



TEST REPORT

No.25T04N000127-003-RF LTE

For

Realme Chongqing Mobile Telecommunications Corp., Ltd.

Mobile Phone

Model Name: RMX5061

FCC ID: 2AUYFRMX5061

with

Hardware Version: 11

Software Version: realme UI 6.0

Issued Date: 2025-03-28

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.

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No.25T04N000127-003-RF LTE

REPORT HISTORY

Report Number	Revision	Description	Issue Date
25T04N000127-003-RF LTE	Rev.0	1st edition	2025-03-28



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1. SUMMARY OF TEST REPORT

1.1. Test Items

Description	Mobile Phone
Model Name	RMX5061
Brand Name	realme
Applicant's name	Realme Chongqing Mobile Telecommunications Corp., Ltd.
Manufacturer's Name	Realme Chongqing Mobile Telecommunications Corp., Ltd.

1.2. Test Standards

FCC Part 2/22/24/27/90	10-1-23 Edition
ANSI C63.26	2015
KDB971168 D01	v03r01

1.3. Test Result

All test items are passed. 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: 2025-01-27

Testing End Date: 2025-03-27

1.6. Signature

Wang Ping
(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: Realme Chongqing Mobile Telecommunications Corp., Ltd.
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2.2. Manufacturer Information

Company Name: Realme Chongqing Mobile Telecommunications Corp., Ltd.
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Contact: HuangMinJiang
Email: mega@realme.com
Telephone: (86)18502096102
Fax: /



3. EQUIPMENT UNDER TEST (EUT) AND ANCILLARY EQUIPMENT

(AE)

3.1. About EUT

Description	Mobile Phone
Model Name	RMX5061
FCC ID	2AUYFRMX5061
Frequency Bands	LTE Bands:2/4/5/7/12/13/17/26/38/41/66/ CA_7C/CA_38C/CA_41C
Antenna	PIFA
Extreme vol. Limits	6.70V to 9.04V (nominal: 7.66V)
Condition of EUT as received	No abnormality in appearance

Note1: Components list, please refer to documents of the manufacturer; it is also included in the original test record of SAICT.

3.2. Internal Identification of EUT

EUT ID*	SN or IMEI	HW Version	SW Version	Date of receipt
UT15aa	866636070019991	11	realme UI 6.0	2025-01-27
UT07aa	866636070019751	11	realme UI 6.0	2025-01-27

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

UT15aa is used for conduction test, UT05aa is used for radiation test.

3.3. Internal Identification of AE

AE ID*	Description
AE1	Battery
AE2	Charger
AE3	USB Cable

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

AE: ancillary equipment

3.4. General Description

The Equipment Under Test (EUT) is a model Mobile Phone with PIFA 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	10-1-23 Edition
FCC Part 24	PERSONAL COMMUNICATIONS SERVICES	10-1-23 Edition
FCC Part 2	FREQUENCY ALLOCATIONS AND RADIO TREATY MATTERS; GENERAL RULES AND REGULATIONS	10-1-23 Edition
FCC Part 27	MISCELLANEOUS WIRELESS COMMUNICATIONS SERVICES	10-1-23 Edition
FCC Part 90	PRIVATE LAND MOBILE RADIO SERVICES	10-1-23 Edition
ANSI C63.26	American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services	2015
KDB971168 D01	Power Meas License Digital Systems	v03r01



5. LABORATORY ENVIRONMENT

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

Temperature	Min. = 15 °C, Max. = 35 °C
Relative humidity	Min. = 20 %, Max. = 75 %
Shielding effectiveness	0.014MHz-1MHz>60 dB; 1MHz-18000MHz>90 dB
Electrical insulation	>2 M Ω
Ground system resistance	< 4 Ω

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

Temperature	Min. = 15 °C, Max. = 35 °C
Relative humidity	Min. = 20 %, Max. = 75 %
Shielding effectiveness	0.014MHz-1MHz> 60 dB; 1MHz-18000MHz>90 dB
Electrical insulation	> 2M Ω
Ground system resistance	< 4 Ω
Voltage Standing Wave Ratio (VSWR)	$\leq$ 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

LTE Band 2

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

LTE Band 4/66

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(g)	A.4	P
5	Emission Bandwidth	2.1049/27.53(g)	A.5	P
6	Band Edge Compliance	2.1051/27.53(h)	A.6	P
7	Conducted Spurious Emission	2.1051/27.53(h)	A.7	P
8	Peak-to-Average Power Ratio	27.50(d)/ KDB971168 D01	A.8	P

**LTE Band 5/ 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 7/38/41/CA_7C/CA_38C/ CA_41C

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

LTE Band 12/17

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

**LTE Band 13**

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



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7. STATEMENT

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

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

8. TEST EQUIPMENTS UTILIZED

No.	Description	Type	Manufacture	Series Number	Cal Due Date
1	Test Receiver	ESR7	R&S	101676	2025-11-21
2	Hybrid antenna	VULB 9163	Schwarzbeck	330	2027-04-21
3	Horn Antenna	3117	ETS-Lindgren	00066577	2025-04-17
4	Horn Antenna	QSH-SL-18-26-S-20	Q-par	17013	2026-02-01
5	Antenna	BBHA 9120D	Schwarzbeck	1593	2025-10-24
6	Antenna	QWH-SL-18-40-K-SG	Q-par	15979	2026-01-30
7	preamplifier	83017A	Agilent	MY39501110	/
8	Signal Generator	SMB100A	R&S	179725	2025-11-21
9	Fully Anechoic Chamber	FACT3-2.0	ETS-Lindgren	1285	2025-05-28
10	Spectrum Analyzer	FSV40	R&S	101192	2026-01-09
11	Universal Radio Communication Tester	CMU200	R&S	114545	2025-03-18
12	Universal Radio Communication Tester	CMW500	R&S	168719	2025-03-22
13	Power Supply	HMC8042	R&S	103284	2025-05-07
14	Universal Radio Communication Tester	CMW500	R&S	129146	2025-04-10
15	Spectrum Analyzer	FSW26	R&S	102197	2025-05-07
16	Temperature Chamber	SH-241	ESPEC	92007516	2025-05-07

Test software

Item	Name	Version
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	22.98	22.07	21.02
		1880.0	22.99	21.85	21.18
		1850.7	23.08	22.17	21.52
	1 RB low	1909.3	22.94	22.03	20.99
		1880.0	22.99	21.86	21.24
		1850.7	23.08	22.23	21.58
	50% RB mid	1909.3	22.96	21.92	21.04
		1880.0	22.94	21.95	21.05
		1850.7	23.07	22.14	21.01
	100% RB	1909.3	21.94	20.83	19.79
		1880.0	21.97	20.92	19.84
		1850.7	22.11	21.11	19.90
3MHz	1 RB high	1908.5	22.99	22.10	21.14
		1880.0	22.95	21.88	21.32
		1851.5	23.01	22.21	21.03
	1 RB low	1908.5	22.91	22.10	20.97
		1880.0	22.99	21.88	21.23
		1851.5	23.04	22.26	21.10
	50% RB mid	1908.5	21.94	20.95	19.98
		1880.0	21.92	20.87	19.99
		1851.5	22.05	21.16	20.09
	100% RB	1908.5	21.90	20.88	19.97



Bandwidth	RB size/offset	Frequency(MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
5MHz		1880.0	21.93	20.89	19.91
		1851.5	22.05	21.10	20.16
		1907.5	23.15	22.34	21.68
	1 RB high	1880.0	23.11	22.07	21.38
		1852.5	23.25	22.15	21.08
		1907.5	23.00	22.16	21.56
	1 RB low	1880.0	23.14	22.13	21.46
		1852.5	23.26	22.19	21.13
		1907.5	21.97	21.12	19.90
	50% RB mid	1880.0	22.01	20.98	20.16
		1852.5	22.08	21.18	20.17
		1907.5	21.97	20.98	19.99
	100% RB	1880.0	22.00	21.07	20.05
		1852.5	22.12	21.19	20.14
		1905.0	23.07	22.21	21.16
10MHz	1 RB high	1880.0	23.07	21.93	21.34
		1855.0	23.10	22.31	21.11
		1905.0	22.89	22.10	21.00
	1 RB low	1880.0	23.09	22.01	21.37
		1855.0	23.15	22.30	21.12
		1905.0	21.98	21.00	19.89
	50% RB mid	1880.0	22.04	21.03	19.98
		1855.0	22.11	21.15	20.19
		1905.0	22.00	20.99	20.00
	100% RB	1880.0	22.01	21.02	19.96
		1855.0	22.11	21.10	20.10
15MHz	1 RB high	1902.5	23.02	22.31	21.30
		1880.0	23.05	21.89	21.29
		1857.5	23.14	22.37	21.13
	1 RB low	1902.5	22.85	22.14	21.15
		1880.0	23.06	21.97	21.37
		1857.5	23.07	22.25	21.07
	50% RB mid	1902.5	21.93	21.00	19.90
		1880.0	22.03	21.04	20.11
		1857.5	22.08	21.11	20.14
	100% RB	1902.5	21.89	20.90	19.89
		1880.0	21.96	21.00	19.99
		1857.5	22.06	21.03	20.04



Bandwidth	RB size/offset	Frequency(MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
20MHz	1 RB high	1900.0	23.03	22.23	21.29
		1880.0	22.87	21.97	20.96
		1860.0	23.24	22.19	21.49
	1 RB low	1900.0	22.91	22.11	21.16
		1880.0	22.99	22.08	21.03
		1860.0	23.16	22.18	21.49
	50% RB mid	1900.0	21.96	20.99	19.99
		1880.0	22.04	21.07	20.02
		1860.0	22.13	21.10	20.12
	100% RB	1900.0	21.94	20.90	20.00
		1880.0	22.04	21.06	20.03
		1860.0	22.06	21.09	20.07

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


LTE Band 4

Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
1.4MHz	1 RB high	1754.3	24.33	23.43	22.34
		1732.5	24.25	23.10	22.48
		1710.7	24.23	23.36	22.62
	1 RB low	1754.3	24.30	23.42	22.30
		1732.5	24.27	23.14	22.49
		1710.7	24.22	23.39	22.63
	50% RB mid	1754.3	24.30	23.29	22.40
		1732.5	24.27	23.29	22.33
		1710.7	24.26	23.34	22.19
	100% RB	1754.3	23.29	22.12	21.10
		1732.5	23.22	22.23	21.16
		1710.7	23.23	22.24	21.11
3MHz	1 RB high	1753.5	24.26	23.38	22.32
		1732.5	24.25	23.13	22.53
		1711.5	24.21	23.43	22.19
	1 RB low	1753.5	24.25	23.44	22.31
		1732.5	24.25	23.12	22.50
		1711.5	24.22	23.39	22.18
	50% RB mid	1753.5	23.24	22.20	21.25
		1732.5	23.18	22.15	21.28
		1711.5	23.26	22.36	21.26
	100% RB	1753.5	23.28	22.20	21.29
		1732.5	23.19	22.15	21.18
		1711.5	23.26	22.30	21.34
5MHz	1 RB high	1752.5	24.40	23.62	22.90
		1732.5	24.38	23.35	22.61
		1712.5	24.38	23.33	22.24
	1 RB low	1752.5	24.33	23.50	22.85
		1732.5	24.34	23.34	22.61
		1712.5	24.34	23.32	22.22
	50% RB mid	1752.5	23.24	22.38	21.24
		1732.5	23.23	22.21	21.36
		1712.5	23.24	22.28	21.20
	100% RB	1752.5	23.31	22.26	21.24
		1732.5	23.28	22.29	21.30
		1712.5	23.29	22.27	21.27
10MHz	1 RB high	1750.0	24.23	23.39	22.32
		1732.5	24.25	23.11	22.49
		1715.0	24.23	23.41	22.17
	1 RB low	1750.0	24.10	23.28	22.14



Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
		1732.5	24.26	23.11	22.47
		1715.0	24.18	23.34	22.11
		1750.0	23.18	22.22	21.11
	50% RB mid	1732.5	23.18	22.18	21.16
		1715.0	23.20	22.20	21.21
		1750.0	23.20	22.18	21.18
	100% RB	1732.5	23.18	22.16	21.17
		1715.0	23.22	22.17	21.19
		1750.0	23.22	22.17	21.19
15MHz	1 RB high	1747.5	24.18	23.47	22.52
		1732.5	24.23	23.08	22.49
		1717.5	24.18	23.39	22.12
	1 RB low	1747.5	24.10	23.38	22.35
		1732.5	24.24	23.12	22.50
		1717.5	24.15	23.34	22.11
	50% RB mid	1747.5	23.11	22.17	21.11
		1732.5	23.16	22.17	21.31
		1717.5	23.19	22.19	21.25
	100% RB	1747.5	23.15	22.12	21.18
		1732.5	23.17	22.12	21.18
		1717.5	23.20	22.14	21.17
20MHz	1 RB high	1745.0	24.25	23.40	22.53
		1732.5	24.11	23.22	22.15
		1720.0	24.28	23.26	22.51
	1 RB low	1745.0	24.15	23.34	22.36
		1732.5	24.15	23.23	22.12
		1720.0	24.24	23.23	22.53
	50% RB mid	1745.0	23.13	22.16	21.18
		1732.5	23.21	22.22	21.24
		1720.0	23.20	22.16	21.19
	100% RB	1745.0	23.15	22.08	21.17
		1732.5	23.16	22.16	21.18
		1720.0	23.19	22.16	21.19

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


LTE Band 5

Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
1.4MHz	1 RB high	848.3	24.27	23.92	22.76
		836.5	24.06	23.43	22.80
		824.7	24.02	23.67	23.00
	1 RB low	848.3	24.22	23.86	22.74
		836.5	24.05	23.43	22.80
		824.7	24.08	23.69	23.06
	50% RB mid	848.3	24.24	23.78	22.79
		836.5	24.05	23.62	22.65
		824.7	24.13	23.75	22.61
	100% RB	848.3	23.28	22.66	21.69
		836.5	23.02	22.51	21.55
		824.7	23.10	22.61	21.57
3MHz	1 RB high	847.5	24.24	23.88	22.78
		836.5	24.01	23.42	22.85
		825.5	24.05	23.73	22.51
	1 RB low	847.5	24.16	23.89	22.67
		836.5	24.04	23.43	22.78
		825.5	24.04	23.79	22.57
	50% RB mid	847.5	23.24	22.70	21.84
		836.5	23.01	22.47	21.70
		825.5	23.06	22.66	21.76
	100% RB	847.5	23.24	22.68	21.77
		836.5	23.02	22.50	21.67
		825.5	23.07	22.63	21.82
5MHz	1 RB high	846.5	24.37	24.07	23.42
		836.5	24.16	23.61	22.88
		826.5	24.23	23.65	22.57
	1 RB low	846.5	24.26	23.92	23.28
		836.5	24.18	23.63	22.92
		826.5	24.24	23.67	22.58
	50% RB mid	846.5	23.20	22.82	21.76
		836.5	23.06	22.56	21.81
		826.5	23.12	22.69	21.73
	100% RB	846.5	23.19	22.67	21.80
		836.5	23.01	22.54	21.67
		826.5	23.09	22.61	21.71
10MHz	1 RB high	844.0	24.19	23.84	22.70
		836.5	24.05	23.40	22.85
		829.0	23.99	23.66	22.47
	1 RB low	844.0	24.09	23.76	22.57



Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
		836.5	24.06	23.43	22.76
		829.0	24.09	23.71	22.52
		844.0	23.16	22.71	21.69
	50% RB mid	836.5	23.03	22.56	21.64
		829.0	23.10	22.59	21.72
		844.0	23.13	22.65	21.72
	100% RB	836.5	22.99	22.51	21.63
		829.0	23.08	22.53	21.68
		844.0	23.13	22.65	21.72

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	23.19	22.35	21.71
		2535.0	22.81	21.79	21.06
		2502.5	23.05	21.96	20.90
	1 RB low	2567.5	23.06	22.19	21.63
		2535.0	22.80	21.80	21.03
		2502.5	22.94	21.90	20.79
	50% RB mid	2567.5	22.01	21.14	20.03
		2535.0	21.70	20.72	19.83
		2502.5	21.85	20.95	19.90
	100% RB	2567.5	22.06	21.04	20.07
		2535.0	21.67	20.69	19.68
		2502.5	21.91	20.90	19.92
10MHz	1 RB high	2565.0	23.06	22.29	21.13
		2535.0	22.70	21.62	20.98
		2505.0	22.98	22.17	20.94
	1 RB low	2565.0	22.88	22.07	20.91
		2535.0	22.69	21.60	20.93
		2505.0	22.83	22.04	20.79
	50% RB mid	2565.0	22.07	21.08	20.00
		2535.0	21.72	20.70	19.69
		2505.0	21.97	20.97	20.01
	100% RB	2565.0	22.05	21.04	20.06
		2535.0	21.71	20.68	19.72
		2505.0	21.92	20.93	19.92
15MHz	1 RB high	2562.5	23.15	22.39	21.55
		2535.0	22.76	21.66	21.01
		2507.5	22.97	22.11	20.89
	1 RB low	2562.5	22.84	22.08	21.14
		2535.0	22.67	21.57	20.89
		2507.5	22.89	22.04	20.81
	50% RB mid	2562.5	21.97	21.02	19.96
		2535.0	21.67	20.68	19.74
		2507.5	21.92	20.94	20.03
	100% RB	2562.5	22.00	20.97	20.01
		2535.0	21.65	20.67	19.67
		2507.5	21.95	20.84	19.89
20MHz	1 RB high	2560.0	23.19	22.35	21.42



Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
		2535.0	22.63	21.79	20.68
		2510.0	23.05	22.03	21.29
		2560.0	22.87	22.08	21.11
	1 RB low	2535.0	22.50	21.67	20.54
		2510.0	23.05	22.06	21.27
		2560.0	22.01	21.06	20.04
	50% RB mid	2535.0	21.74	20.75	19.75
		2510.0	22.01	20.97	20.03
		2560.0	21.99	20.96	20.03
	100% RB	2535.0	21.67	20.69	19.74
		2510.0	21.98	20.98	19.96
		2560.0	21.99	20.96	20.03

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


LTE Band 12

Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
1.4MHz	1 RB high	715.3	23.84	23.10	21.88
		707.5	23.97	23.00	22.32
		699.7	23.94	23.23	22.54
	1 RB low	715.3	23.80	23.09	21.88
		707.5	23.95	23.04	22.33
		699.7	23.90	23.22	22.51
	50% RB mid	715.3	23.87	23.00	22.04
		707.5	23.95	23.15	22.26
		699.7	23.96	23.29	22.09
	100% RB	715.3	22.99	21.84	20.76
		707.5	23.14	22.09	21.01
		699.7	23.11	22.16	20.96
3MHz	1 RB high	714.5	23.85	23.10	21.89
		707.5	23.92	22.97	22.36
		700.5	23.95	23.26	22.04
	1 RB low	714.5	23.84	23.21	21.98
		707.5	23.98	22.99	22.31
		700.5	23.89	23.26	22.08
	50% RB mid	714.5	22.97	21.97	20.96
		707.5	23.09	22.05	21.09
		700.5	23.10	22.22	21.14
	100% RB	714.5	23.05	21.95	20.94
		707.5	23.09	22.08	21.01
		700.5	23.16	22.16	21.22
5MHz	1 RB high	713.5	24.01	23.26	22.56
		707.5	24.11	23.18	22.40
		701.5	24.13	23.20	22.15
	1 RB low	713.5	23.91	23.26	22.61
		707.5	24.11	23.14	22.39
		701.5	24.10	23.18	22.05
	50% RB mid	713.5	23.02	22.16	20.96
		707.5	23.09	22.12	21.20
		701.5	23.09	22.20	21.13
	100% RB	713.5	23.11	22.01	21.00
		707.5	23.12	22.13	21.10
		701.5	23.15	22.15	21.14
10MHz	1 RB high	711.0	23.89	23.20	21.98



Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
		707.5	23.99	23.05	22.36
		704.0	24.01	23.34	22.09
	1 RB low	711.0	23.92	23.24	22.03
		707.5	23.92	22.98	22.28
		704.0	23.91	23.31	22.01
	50% RB mid	711.0	23.13	22.13	20.98
		707.5	23.15	22.10	21.07
		704.0	23.12	22.13	21.11
	100% RB	711.0	23.11	22.11	21.05
		707.5	23.15	22.09	21.05
		704.0	23.14	22.11	21.08

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


LTE Band 13

Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
5MHz	1 RB high	784.5	22.84	22.20	21.50
		782.0	22.88	21.95	21.21
		779.5	22.94	22.01	20.93
	1 RB low	784.5	22.78	22.14	21.47
		782.0	22.88	22.00	21.29
		779.5	22.93	22.01	20.88
	50% RB mid	784.5	21.89	20.97	19.81
		782.0	21.90	20.90	20.01
		779.5	21.96	21.04	19.98
	100% RB	784.5	21.92	20.86	19.84
		782.0	21.99	20.99	19.92
		779.5	21.99	21.00	19.96
10MHz	1 RB high	782.0	22.79	22.09	20.87
		782.0	22.77	22.11	20.88
		782.0	22.77	22.07	20.85
	1 RB low	782.0	22.80	22.15	20.91
		782.0	22.78	22.11	20.89
		782.0	22.79	22.14	20.91
	50% RB mid	782.0	21.95	20.95	19.94
		782.0	21.93	20.95	19.93
		782.0	21.99	20.97	19.93
	100% RB	782.0	21.95	20.94	19.87
		782.0	21.95	20.92	19.87
		782.0	21.95	20.91	19.89

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


LTE Band 17

Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
5MHz	1RB-High (24)	713.5	24.00	23.25	22.63
		710.0	24.01	23.17	22.42
		706.5	24.10	23.23	22.16
	1RB-Low (0)	713.5	23.97	23.29	22.67
		710.0	24.05	23.15	22.43
		706.5	24.01	23.14	22.00
	12RB-Middle (6)	713.5	23.04	22.19	21.01
		710.0	23.10	22.09	21.20
		706.5	23.11	22.19	21.13
	25RB (0)	713.5	23.12	22.05	21.02
		710.0	23.13	22.13	21.09
		706.5	23.12	22.14	21.09
10MHz	1RB-High (49)	711.0	23.85	23.21	21.98
		710.0	23.87	23.01	22.35
		709.0	23.91	23.29	22.06
	1RB-Low (0)	711.0	23.85	23.24	22.01
		710.0	23.93	22.97	22.30
		709.0	23.83	23.21	21.95
	25RB-Middle (12)	711.0	23.15	22.20	21.02
		710.0	23.11	22.11	21.06
		709.0	23.16	22.15	21.15
	50RB (0)	711.0	23.16	22.13	21.09
		710.0	23.14	22.11	21.05
		709.0	23.15	22.10	21.08

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	23.91	23.08	22.16
		819.0	23.71	22.57	22.22
		814.7	23.72	22.86	22.45
	1 RB low	823.3	23.89	23.06	22.13
		819.0	23.71	22.57	22.20
		814.7	23.72	22.89	22.43
	50% RB mid	823.3	23.93	22.90	22.29
		819.0	23.71	22.75	22.05
		814.7	23.78	22.91	22.01
	100% RB	823.3	22.98	22.09	20.91
		819.0	22.65	21.85	20.78
		814.7	22.78	22.10	20.78
3MHz	1 RB high	822.5	23.90	23.02	22.07
		819.0	23.69	22.60	22.26
		815.5	23.71	22.87	21.98
	1 RB low	822.5	23.84	23.03	22.10
		819.0	23.69	22.58	22.20
		815.5	23.72	22.91	21.96
	50% RB mid	822.5	22.90	22.06	21.06
		819.0	22.68	21.85	20.88
		815.5	22.73	22.06	20.94
	100% RB	822.5	22.90	22.07	21.04
		819.0	22.68	21.88	20.87
		815.5	22.75	22.01	21.08
5MHz	1 RB high	821.5	24.01	23.17	22.85
		819.0	23.84	22.79	22.29
		816.5	23.93	22.87	21.96
	1 RB low	821.5	23.90	23.10	22.78
		819.0	23.79	22.79	22.29
		816.5	23.91	22.82	21.95
	50% RB mid	821.5	22.86	22.27	20.97
		819.0	22.66	21.90	21.01
		816.5	22.73	22.06	20.98
	100% RB	821.5	22.90	22.07	21.04
		819.0	22.74	22.03	20.92
		816.5	22.73	22.03	20.98



Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
10MHz	1 RB high	844.0	23.85	23.04	22.09
		836.5	23.76	22.62	22.27
		829.0	23.71	22.88	21.91
	1 RB low	844.0	23.74	22.95	21.92
		836.5	23.73	22.62	22.24
		829.0	23.73	22.84	21.88
	50% RB mid	844.0	22.76	22.04	20.88
		836.5	22.69	21.90	20.89
		829.0	22.74	21.97	20.97
	100% RB	844.0	22.78	22.04	20.99
		836.5	22.67	21.90	20.85
		829.0	22.74	21.98	20.94
15MHz	1 RB high	841.5	23.74	23.03	22.44
		836.5	23.75	22.63	22.22
		831.5	23.74	22.88	21.89
	1 RB low	841.5	23.63	22.94	22.24
		836.5	23.73	22.62	22.16
		831.5	23.67	22.86	21.84
	50% RB mid	841.5	22.70	21.97	20.86
		836.5	22.66	21.88	20.89
		831.5	22.64	21.90	20.91
	100% RB	841.5	22.75	21.95	20.89
		836.5	22.66	21.90	20.82
		831.5	22.72	21.86	20.84

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	23.85	22.76	22.36
		836.5	23.76	22.93	22.45
		824.7	23.84	23.00	22.05
	1 RB low	848.3	23.86	22.78	22.37
		836.5	23.82	22.99	22.45
		824.7	23.80	22.97	21.99
	50% RB mid	848.3	23.86	22.89	22.19
		836.5	23.82	22.96	22.07
		824.7	23.85	22.81	22.10
	100% RB	848.3	22.85	22.07	20.94
		836.5	22.84	22.07	20.82
		824.7	22.84	21.93	20.83
3MHz	1 RB high	847.5	23.86	22.98	22.09
		836.5	23.84	22.73	22.39
		825.5	23.83	23.01	22.00
	1 RB low	847.5	23.78	23.01	22.02
		836.5	23.88	22.77	22.31
		825.5	23.78	22.97	22.01
	50% RB mid	847.5	22.77	22.04	21.00
		836.5	22.82	21.94	21.02
		825.5	22.85	22.17	21.03
	100% RB	847.5	22.83	21.99	20.98
		836.5	22.85	22.01	20.97
		825.5	22.84	22.11	21.14
5MHz	1 RB high	846.5	23.98	23.16	22.80
		836.5	24.00	22.94	22.39
		826.5	24.02	22.97	22.04
	1 RB low	846.5	23.92	23.10	22.71
		836.5	23.98	22.94	22.39
		826.5	23.95	22.88	22.01
	50% RB mid	846.5	22.84	22.17	20.97
		836.5	22.80	22.05	21.12
		826.5	22.86	22.15	21.11
	100% RB	846.5	22.83	22.05	21.04
		836.5	22.83	22.10	21.05
		826.5	22.86	22.10	21.04
10MHz	1 RB high	844.0	23.88	23.07	22.05



Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
		836.5	23.89	23.08	22.08
		829.0	23.89	23.04	22.09
		844.0	23.81	22.98	22.01
	1 RB low	836.5	23.81	22.99	22.00
		829.0	23.82	22.99	22.01
		844.0	22.83	22.06	21.04
	50% RB mid	836.5	22.85	22.04	21.02
		829.0	22.85	22.04	21.08
		844.0	22.79	22.04	20.97
	100% RB	836.5	22.80	22.01	20.97
		829.0	22.79	21.97	20.97
		844.0	22.79	21.97	20.97

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


LTE Band 38

Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
5MHz	1 RB high	2617.5	24.05	23.24	22.50
		2595.0	24.10	23.16	22.46
		2572.5	24.18	23.10	22.10
	1 RB low	2617.5	24.01	23.20	22.52
		2595.0	24.10	23.15	22.43
		2572.5	24.08	23.03	21.97
	50% RB mid	2617.5	22.94	21.99	20.89
		2595.0	23.10	22.08	21.21
		2572.5	23.03	22.12	21.05
	100% RB	2617.5	22.96	21.90	20.85
		2595.0	23.12	22.19	21.11
		2572.5	23.09	22.05	21.05
10MHz	1 RB high	2615.0	24.03	23.15	22.02
		2595.0	24.12	23.05	22.41
		2575.0	24.22	23.29	22.09
	1 RB low	2615.0	24.07	23.15	22.03
		2595.0	24.14	23.04	22.36
		2575.0	24.08	23.17	21.90
	50% RB mid	2615.0	22.98	21.99	20.89
		2595.0	23.11	22.10	21.03
		2575.0	23.14	22.10	21.13
	100% RB	2615.0	23.04	22.03	20.93
		2595.0	23.12	22.09	21.03
		2575.0	23.11	22.03	21.03
15MHz	1 RB high	2612.5	24.06	23.26	22.26
		2595.0	24.22	23.02	22.40
		2577.5	24.22	23.41	22.11
	1 RB low	2612.5	24.06	23.28	22.27
		2595.0	24.21	23.05	22.35
		2577.5	24.03	23.20	21.93
	50% RB mid	2612.5	22.96	22.00	20.90
		2595.0	23.08	22.08	21.17
		2577.5	23.10	22.10	21.17
	100% RB	2612.5	22.99	21.98	20.92
		2595.0	23.11	22.06	21.04
		2577.5	23.03	22.00	21.04



Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
20MHz	1 RB high	2610.0	24.11	23.36	22.36
		2595.0	24.04	23.05	22.00
		2580.0	24.23	23.27	22.54
	1 RB low	2610.0	24.19	23.41	22.43
		2595.0	24.09	23.12	22.01
		2580.0	23.99	23.05	22.38
	50% RB mid	2610.0	23.08	22.09	21.07
		2595.0	23.12	22.11	21.11
		2580.0	23.17	22.15	21.11
	100% RB	2610.0	23.11	22.09	21.11
		2595.0	23.07	22.09	21.07
		2580.0	23.10	22.06	21.03

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	2687.5	25.92	25.09	24.95
		2593.0	25.78	24.78	24.60
		2498.5	25.80	24.58	24.10
	1 RB low	2687.5	25.90	25.07	24.97
		2593.0	25.74	24.78	24.56
		2498.5	25.82	24.52	24.01
	50% RB mid	2687.5	24.90	24.52	23.36
		2593.0	24.70	24.21	23.31
		2498.5	24.54	24.19	23.16
	100% RB	2687.5	24.90	24.37	23.35
		2593.0	24.72	24.28	23.20
		2498.5	24.60	24.14	23.09
10MHz	1 RB high	2685.0	25.93	25.07	24.33
		2593.0	25.80	24.67	24.53
		2501.0	25.65	24.67	23.99
	1 RB low	2685.0	25.87	25.03	24.29
		2593.0	25.73	24.65	24.48
		2501.0	25.63	24.65	23.94
	50% RB mid	2685.0	24.97	24.49	23.40
		2593.0	24.75	24.28	23.19
		2501.0	24.64	24.13	23.12
	100% RB	2685.0	24.97	24.45	23.46
		2593.0	24.74	24.23	23.19
		2501.0	24.63	24.11	23.14
15MHz	1 RB high	2682.5	26.29	25.19	24.69
		2593.0	25.76	24.68	24.54
		2503.5	25.65	24.75	24.00
	1 RB low	2682.5	26.22	25.14	24.68
		2593.0	25.69	24.70	24.50
		2503.5	25.62	24.65	23.95
	50% RB mid	2682.5	24.94	24.55	23.46
		2593.0	24.69	24.22	23.26
		2503.5	24.59	24.12	23.17



Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
20MHz	100% RB	2682.5	24.96	24.47	23.48
		2593.0	24.69	24.17	23.17
		2503.5	24.62	24.06	23.06
	1 RB high	2680.0	26.00	25.26	24.87
		2593.0	25.76	24.71	24.13
		2506.0	25.56	24.63	24.40
	1 RB low	2680.0	26.00	25.28	24.80
		2593.0	25.76	24.72	24.14
		2506.0	25.62	24.60	24.40
	50% RB mid	2680.0	25.06	24.58	23.60
		2593.0	24.73	24.27	23.20
		2506.0	24.68	24.12	23.14
	100% RB	2680.0	25.08	24.55	23.56
		2593.0	24.73	24.23	23.24
		2506.0	24.67	24.16	23.14

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	24.02	23.18	22.10
		1745.0	23.74	22.56	21.90
		1710.7	23.82	22.93	22.15
	1 RB low	1779.3	24.00	23.14	22.05
		1745.0	23.70	22.59	21.96
		1710.7	23.80	22.99	22.21
	50% RB mid	1779.3	24.01	22.99	22.08
		1745.0	23.69	22.78	21.78
		1710.7	23.79	22.86	21.72
	100% RB	1779.3	23.02	21.88	20.81
		1745.0	22.66	21.65	20.55
		1710.7	22.78	21.78	20.57
3MHz	1 RB high	1778.5	23.97	23.16	22.11
		1745.0	23.68	22.60	22.00
		1711.5	23.73	22.90	21.67
	1 RB low	1778.5	23.99	23.22	22.05
		1745.0	23.72	22.57	21.90
		1711.5	23.75	23.01	21.71
	50% RB mid	1778.5	22.99	22.01	21.02
		1745.0	22.72	21.64	20.71
		1711.5	22.79	21.83	20.78
	100% RB	1778.5	23.04	21.95	21.02
		1745.0	22.66	21.61	20.64
		1711.5	22.79	21.80	20.85
5MHz	1 RB high	1777.5	24.17	23.30	22.63
		1745.0	23.86	22.81	22.09
		1712.5	23.90	22.87	21.73
	1 RB low	1777.5	24.08	23.22	22.62
		1745.0	23.85	22.79	22.05
		1712.5	23.94	22.88	21.77
	50% RB mid	1777.5	23.04	22.15	20.95
		1745.0	22.68	21.68	20.81
		1712.5	22.76	21.84	20.77
	100% RB	1777.5	23.08	22.00	21.05
		1745.0	22.72	21.71	20.75
		1712.5	22.80	21.79	20.80
10MHz	1 RB high	1775.0	23.93	23.13	22.05



Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
		1745.0	23.74	22.62	21.98
		1715.0	23.77	22.97	21.72
		1775.0	23.75	22.96	21.74
	1 RB low	1745.0	23.70	22.56	21.92
		1715.0	23.73	22.97	21.70
		1775.0	22.96	21.96	20.87
	50% RB mid	1745.0	22.70	21.66	20.65
		1715.0	22.71	21.73	20.72
		1775.0	22.90	21.91	20.87
	100% RB	1745.0	22.67	21.65	20.63
		1715.0	22.70	21.67	20.69
		1772.5	23.90	23.20	22.24
	1 RB high	1745.0	23.74	22.59	22.01
		1717.5	23.75	22.97	21.68
		1772.5	23.64	22.88	22.01
15MHz	1 RB low	1745.0	23.65	22.44	21.83
		1717.5	23.71	22.90	21.66
		1772.5	22.84	21.87	20.80
	50% RB mid	1745.0	22.67	21.62	20.74
		1717.5	22.73	21.69	20.76
		1772.5	22.85	21.78	20.84
	100% RB	1745.0	22.66	21.63	20.63
		1717.5	22.70	21.65	20.67
		1770.0	23.93	23.09	22.16
	1 RB high	1745.0	23.67	22.75	21.62
		1720.0	23.85	22.81	22.08
		1770.0	23.63	22.83	21.85
	1 RB low	1745.0	23.50	22.59	21.48
		1720.0	23.78	22.81	22.11
		1770.0	22.77	21.79	20.81
20MHz	50% RB mid	1745.0	22.70	21.68	20.70
		1720.0	22.71	21.66	20.72
		1770.0	22.67	21.61	20.67
	100% RB	1745.0	22.65	21.62	20.67
		1720.0	22.73	21.66	20.70


LTE CA_7C

Bandwidth	Frequency (MHz)	Frequency (MHz)	Modulation	PCC RB		SCC RB		Conducted Power (dBm)
				Size	Offset	Size	Offset	
10MHz/20M Hz	2525.6	2540.0	QPSK	1	49	1	0	22.28
			QPSK	50	0	100	0	20.58
			16QAM	1	49	1	0	21.32
			16QAM	50	0	100	0	19.61
			64QAM	1	49	1	0	19.01
			64QAM	50	0	100	0	19.60
15MHz/10M Hz	2530.1	2542.1	QPSK	1	74	1	0	22.42
			QPSK	75	0	50	0	20.60
			16QAM	1	74	1	0	21.15
			16QAM	75	0	50	0	19.62
			64QAM	1	74	1	0	19.40
			64QAM	75	0	50	0	19.63
15MHz/15M Hz	2527.5	2542.5	QPSK	1	74	1	0	22.53
			QPSK	75	0	75	0	20.64
			16QAM	1	74	1	0	21.53
			16QAM	75	0	75	0	19.64
			64QAM	1	74	1	0	19.18
			64QAM	75	0	75	0	19.67
15MHz/20M Hz	2525.3	2542.4	QPSK	1	74	1	0	22.39
			QPSK	75	0	100	0	20.59
			16QAM	1	74	1	0	21.15
			16QAM	75	0	100	0	19.64
			64QAM	1	74	1	0	19.37
			64QAM	75	0	100	0	19.70
20MHz/10M Hz	2530.1	2544.5	QPSK	1	99	1	0	22.25
			QPSK	100	0	50	0	20.55
			16QAM	1	99	1	0	21.09
			16QAM	100	0	50	0	19.59
			64QAM	1	99	1	0	19.00
			64QAM	100	0	50	0	19.57
20MHz/15M Hz	2527.6	2544.7	QPSK	1	99	1	0	22.39
			QPSK	100	0	75	0	20.61
			16QAM	1	99	1	0	21.34
			16QAM	100	0	75	0	19.62
			64QAM	1	99	1	0	19.45
			64QAM	100	0	75	0	19.66
20MHz/20M Hz	2525.1	2544.9	QPSK	1	99	1	0	22.33
			QPSK	100	0	100	0	20.61



			16QAM	1	99	1	0	21.29
			16QAM	100	0	100	0	19.66
			64QAM	1	99	1	0	19.05
			64QAM	100	0	100	0	19.66

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

LTE CA_38C

Bandwidth	Frequency (MHz)	Frequency (MHz)	Modulation	PCC RB		SCC RB		Conducted Power (dBm)
				Size	Offset	Size	Offset	
15MHz/15M Hz	2587.5	2602.5	QPSK	1	74	1	0	22.91
			QPSK	75	0	75	0	20.89
			16QAM	1	74	1	0	21.62
			16QAM	75	0	75	0	19.90
			64QAM	1	74	1	0	19.55
			64QAM	75	0	75	0	19.93
20MHz/20M Hz	2585.1	2604.9	QPSK	1	99	1	0	22.71
			QPSK	100	0	100	0	20.87
			16QAM	1	99	1	0	21.66
			16QAM	100	0	100	0	19.91
			64QAM	1	99	1	0	19.80
			64QAM	100	0	100	0	19.92

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


LTE CA_41C

Bandwidth	Frequency (MHz)	Frequency (MHz)	Modulation	PCC RB		SCC RB		Conducted Power (dBm)
				Size	Offset	Size	Offset	
5MHz/20MHz	2583.8	2602.2	QPSK	1	24	1	0	22.75
			QPSK	25	0	100	0	20.89
			16QAM	1	24	1	0	21.71
			16QAM	25	0	100	0	19.92
			64QAM	1	24	1	0	19.56
			64QAM	25	0	100	0	19.91
10MHz/15MHz	2585.9	2600.1	QPSK	1	49	1	0	22.94
			QPSK	50	0	75	0	20.86
			16QAM	1	49	1	0	21.81
			16QAM	50	0	75	0	19.95
			64QAM	1	49	1	0	19.46
			64QAM	50	0	75	0	19.94
10MHz/20MHz	2583.6	2602.5	QPSK	1	49	1	0	22.63
			QPSK	50	0	100	0	20.85
			16QAM	1	49	1	0	21.54
			16QAM	50	0	100	0	19.88
			64QAM	1	49	1	0	19.31
			64QAM	50	0	100	0	19.89
15MHz/10MHz	2588.1	2597.9	QPSK	1	74	1	0	22.78
			QPSK	75	0	50	0	20.84
			16QAM	1	74	1	0	21.43
			16QAM	75	0	50	0	19.89
			64QAM	1	74	1	0	19.45
			64QAM	75	0	50	0	19.90
15MHz/15MHz	2585.5	2600.5	QPSK	1	74	1	0	22.98
			QPSK	75	0	75	0	20.86
			16QAM	1	74	1	0	21.51
			16QAM	75	0	75	0	19.84
			64QAM	1	74	1	0	19.80
			64QAM	75	0	75	0	19.87
15MHz/20MHz	2583.3	2602.7	QPSK	1	74	1	0	22.72
			QPSK	75	0	100	0	20.81
			16QAM	1	74	1	0	21.49
			16QAM	75	0	100	0	19.84
			64QAM	1	74	1	0	19.67
			64QAM	75	0	100	0	19.88
20MHz/5MHz	2590.5	2602.2	QPSK	1	99	1	0	22.68
			QPSK	100	0	25	0	20.86



			16QAM	1	99	1	0	21.62
			16QAM	100	0	25	0	19.88
			64QAM	1	99	1	0	19.72
			64QAM	100	0	25	0	19.92
20MHz/10MHz	2588.1	2602.5	QPSK	1	99	1	0	22.53
			QPSK	100	0	50	0	20.78
			16QAM	1	99	1	0	21.58
			16QAM	100	0	50	0	19.86
			64QAM	1	99	1	0	19.70
			64QAM	100	0	50	0	19.86
20MHz/15MHz	2585.6	2602.7	QPSK	1	99	1	0	22.70
			QPSK	100	0	75	0	20.87
			16QAM	1	99	1	0	21.63
			16QAM	100	0	75	0	19.89
			64QAM	1	99	1	0	19.82
			64QAM	100	0	75	0	19.89
20MHz/20MHz	2583.1	2602.9	QPSK	1	99	1	0	22.72
			QPSK	100	0	100	0	20.86
			16QAM	1	99	1	0	21.69
			16QAM	100	0	100	0	19.87
			64QAM	1	99	1	0	19.82
			64QAM	100	0	100	0	19.90

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".

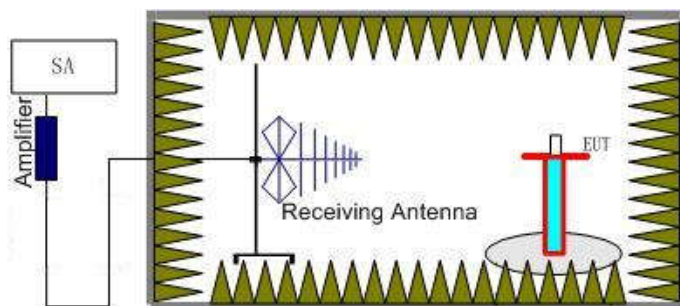
Rule Part 27.50(a)(3) specifies "For mobile and portable stations transmitting in the 2305–2315 MHz band or the 2350–2360 MHz band, the average EIRP must not exceed 50 milliwatts within any 1 megahertz of authorized bandwidth, except that for mobile and portable stations compliant with 3GPP LTE standards 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 22.913(a) specifies "The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 Watts."

Rule Part 90.542 specifies "Portable stations (hand-held devices) transmitting in the 758-768 MHz band and the 788-798 MHz band are limited to 3 watts ERP."

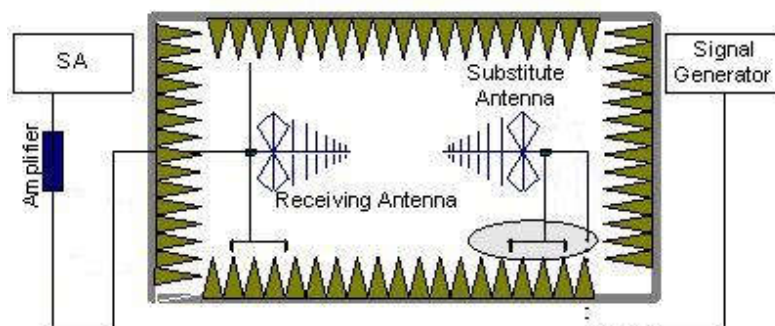
A.1.3.2 Method of Measurement

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



2. The EUT is then put into continuously transmitting mode at its maximum power level during the test. And the maximum value of the receiver should be recorded as (Pr).

3. The EUT shall be replaced by a substitution antenna. The test setup refers to figure below.



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

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

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

The measurement results are obtained as described below:

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

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

**A.1.3.3 Measurement result****Upper antenna****LTE Band 2- EIRP Part 24. 232(c)****Limits: ≤33dBm (2W)****LTE BAND 2 QPSK-1.4MHz**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Polarization	Limit(dBm)
1850.70	-15.72	-29.30	8.10	21.68	H	33.00
1880.00	-15.44	-29.40	8.10	22.06	H	33.00
1909.30	-15.04	-29.30	8.10	22.36	H	33.00

LTE BAND 2 QPSK-3MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Polarization	Limit(dBm)
1851.50	-15.93	-29.30	8.10	21.47	H	33.00
1880.00	-15.62	-29.40	8.10	21.88	H	33.00
1908.50	-15.29	-29.30	8.10	22.11	H	33.00

LTE BAND 2 QPSK-5MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Polarization	Limit(dBm)
1852.50	-16.07	-29.30	8.10	21.33	H	33.00
1880.00	-15.74	-29.40	8.10	21.76	H	33.00
1907.50	-15.45	-29.30	8.10	21.95	H	33.00

LTE BAND 2 QPSK-10MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Polarization	Limit(dBm)
1855.00	-15.95	-29.30	8.10	21.45	H	33.00
1880.00	-15.70	-29.40	8.10	21.80	H	33.00
1905.00	-15.25	-29.30	8.10	22.15	H	33.00

LTE BAND 2 QPSK-15MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Polarization	Limit(dBm)
1857.50	-15.96	-29.30	8.10	21.44	H	33.00
1880.00	-15.75	-29.40	8.10	21.75	H	33.00
1902.50	-15.43	-29.30	8.10	21.97	H	33.00

LTE BAND 2 QPSK-20MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Polarization	Limit(dBm)
1860.00	-16.02	-29.30	8.10	21.38	H	33.00



1880.00	-15.85	-29.40	8.10	21.65	H	33.00
1900.00	-15.39	-29.30	8.10	22.01	H	33.00

LTE BAND 2 16QAM-1.4MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Polarization	Limit(dBm)
1850.70	-16.84	-29.30	8.10	20.56	H	33.00
1880.00	-16.53	-29.40	8.10	20.97	H	33.00
1909.30	-16.29	-29.30	8.10	21.11	H	33.00

LTE BAND 2 16QAM-3MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Polarization	Limit(dBm)
1851.50	-16.92	-29.30	8.10	20.48	H	33.00
1880.00	-16.74	-29.40	8.10	20.76	H	33.00
1908.50	-16.47	-29.30	8.10	20.93	H	33.00

LTE BAND 2 16QAM-5MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Polarization	Limit(dBm)
1852.50	-17.22	-29.30	8.10	20.18	H	33.00
1880.00	-16.91	-29.40	8.10	20.59	H	33.00
1907.50	-16.74	-29.30	8.10	20.66	H	33.00

LTE BAND 2 16QAM-10MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Polarization	Limit(dBm)
1855.00	-17.09	-29.30	8.10	20.31	H	33.00
1880.00	-16.83	-29.40	8.10	20.67	H	33.00
1905.00	-16.39	-29.30	8.10	21.01	H	33.00

LTE BAND 2 16QAM-15MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Polarization	Limit(dBm)
1857.50	-17.17	-29.30	8.10	20.23	H	33.00
1880.00	-16.97	-29.40	8.10	20.53	H	33.00
1902.50	-16.64	-29.30	8.10	20.76	H	33.00

LTE BAND 2 16QAM-20MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Polarization	Limit(dBm)
1860.00	-17.21	-29.30	8.10	20.19	H	33.00
1880.00	-17.11	-29.40	8.10	20.39	H	33.00



1900.00	-16.59	-29.30	8.10	20.81	H	33.00
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LTE BAND 2 64QAM-1.4MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Polarization	Limit(dBm)
1850.70	-18.06	-29.30	8.10	19.34	H	33.00
1880.00	-17.63	-29.40	8.10	19.87	H	33.00
1909.30	-17.32	-29.30	8.10	20.09	H	33.00

LTE BAND 2 64QAM-3MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Polarization	Limit(dBm)
1851.50	-18.30	-29.30	8.10	19.10	H	33.00
1880.00	-18.12	-29.40	8.10	19.38	H	33.00
1908.50	-17.64	-29.30	8.10	19.76	H	33.00

LTE BAND 2 64QAM-5MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Polarization	Limit(dBm)
1852.50	-18.55	-29.30	8.10	18.86	H	33.00
1880.00	-18.24	-29.40	8.10	19.26	H	33.00
1907.50	-18.07	-29.30	8.10	19.34	H	33.00

LTE BAND 2 64QAM-10MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Polarization	Limit(dBm)
1855.00	-18.46	-29.30	8.10	18.93	H	33.00
1880.00	-18.21	-29.40	8.10	19.29	H	33.00
1905.00	-17.86	-29.30	8.10	19.54	H	33.00

LTE BAND 2 64QAM-15MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Polarization	Limit(dBm)
1857.50	-18.47	-29.30	8.10	18.93	H	33.00
1880.00	-18.26	-29.40	8.10	19.24	H	33.00
1902.50	-18.13	-29.30	8.10	19.27	H	33.00

LTE BAND 2 64QAM-20MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Polarization	Limit(dBm)
1860.00	-18.56	-29.30	8.10	18.84	H	33.00
1880.00	-18.45	-29.40	8.10	19.05	H	33.00
1900.00	-18.13	-29.30	8.10	19.27	H	33.00

**LTE Band 4- EIRP Part 27.50(d)(4)****Limits: $\leq 30\text{dBm}$ (1W)****LTE BAND 4 QPSK-1.4MHz**

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Polarization	Limit(dBm)
1710.70	-15.45	-29.60	8.10	22.25	H	30.00
1732.50	-15.23	-29.60	8.10	22.47	H	30.00
1754.30	-15.04	-29.50	8.10	22.56	H	30.00

LTE BAND 4 QPSK-3MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Polarization	Limit(dBm)
1711.50	-15.66	-29.60	8.10	22.04	H	30.00
1732.50	-15.41	-29.60	8.10	22.29	H	30.00
1753.50	-15.29	-29.50	8.10	22.31	H	30.00

LTE BAND 4 QPSK-5MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Polarization	Limit(dBm)
1712.50	-15.80	-29.60	8.10	21.90	H	30.00
1732.50	-15.53	-29.60	8.10	22.17	H	30.00
1752.50	-15.45	-29.50	8.10	22.15	H	30.00

LTE BAND 4 QPSK-10MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Polarization	Limit(dBm)
1715.00	-15.88	-29.60	8.10	21.82	H	30.00
1732.50	-15.69	-29.60	8.10	22.01	H	30.00
1750.00	-15.55	-29.50	8.10	22.05	H	30.00

LTE BAND 4 QPSK-15MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Polarization	Limit(dBm)
1717.50	-15.99	-29.60	8.10	21.71	H	30.00
1732.50	-15.84	-29.60	8.10	21.86	H	30.00
1747.50	-15.63	-29.50	8.10	21.97	H	30.00

LTE BAND 4 QPSK-20MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Polarization	Limit(dBm)
1720.00	-16.15	-29.60	8.10	21.55	H	30.00
1732.50	-15.94	-29.60	8.10	21.76	H	30.00



1745.00	-15.79	-29.50	8.10	21.81	H	30.00
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LTE BAND 4 16QAM-1.4MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Polarization	Limit(dBm)
1710.70	-16.57	-29.60	8.10	21.13	H	30.00
1732.50	-16.32	-29.60	8.10	21.38	H	30.00
1754.30	-16.29	-29.50	8.10	21.31	H	30.00

LTE BAND 4 16QAM-3MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Polarization	Limit(dBm)
1711.50	-16.65	-29.60	8.10	21.05	H	30.00
1732.50	-16.53	-29.60	8.10	21.17	H	30.00
1753.50	-16.47	-29.50	8.10	21.13	H	30.00

LTE BAND 4 16QAM-5MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Polarization	Limit(dBm)
1712.50	-16.95	-29.60	8.10	20.75	H	30.00
1732.50	-16.70	-29.60	8.10	21.00	H	30.00
1752.50	-16.74	-29.50	8.10	20.86	H	30.00

LTE BAND 4 16QAM-10MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Polarization	Limit(dBm)
1715.00	-17.02	-29.60	8.10	20.68	H	30.00
1732.50	-16.82	-29.60	8.10	20.88	H	30.00
1750.00	-16.69	-29.50	8.10	20.91	H	30.00

LTE BAND 4 16QAM-15MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Polarization	Limit(dBm)
1717.50	-17.20	-29.60	8.10	20.50	H	30.00
1732.50	-17.06	-29.60	8.10	20.64	H	30.00
1747.50	-16.84	-29.50	8.10	20.76	H	30.00

LTE BAND 4 16QAM-20MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Polarization	Limit(dBm)
1720.00	-17.34	-29.60	8.10	20.36	H	30.00
1732.50	-17.20	-29.60	8.10	20.50	H	30.00
1745.00	-16.99	-29.50	8.10	20.61	H	30.00

**LTE BAND 4 64QAM-1.4MHz**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Polarization	Limit(dBm)
1710.70	-17.79	-29.60	8.10	19.91	H	30.00
1732.50	-17.42	-29.60	8.10	20.28	H	30.00
1754.30	-17.32	-29.50	8.10	20.29	H	30.00

LTE BAND 4 64QAM-3MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Polarization	Limit(dBm)
1711.50	-18.03	-29.60	8.10	19.67	H	30.00
1732.50	-17.91	-29.60	8.10	19.79	H	30.00
1753.50	-17.64	-29.50	8.10	19.96	H	30.00

LTE BAND 4 64QAM-5MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Polarization	Limit(dBm)
1712.50	-18.27	-29.60	8.10	19.43	H	30.00
1732.50	-18.03	-29.60	8.10	19.67	H	30.00
1752.50	-18.07	-29.50	8.10	19.54	H	30.00

LTE BAND 4 64QAM-10MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Polarization	Limit(dBm)
1715.00	-18.39	-29.60	8.10	19.30	H	30.00
1732.50	-18.20	-29.60	8.10	19.50	H	30.00
1750.00	-18.16	-29.50	8.10	19.44	H	30.00

LTE BAND 4 64QAM-15MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Polarization	Limit(dBm)
1717.50	-18.50	-29.60	8.10	19.20	H	30.00
1732.50	-18.35	-29.60	8.10	19.35	H	30.00
1747.50	-18.33	-29.50	8.10	19.27	H	30.00

LTE BAND 4 64QAM-20MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Polarization	Limit(dBm)
1720.00	-18.69	-29.60	8.10	19.01	H	30.00
1732.50	-18.54	-29.60	8.10	19.16	H	30.00
1745.00	-18.53	-29.50	8.10	19.07	H	30.00

**LTE Band 5- ERP Part 22.913(a)****Limits: $\leq 38.45\text{dBm}$ (7W)****LTE BAND 5 QPSK-1.4MHz**

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
824.70	-9.45	-33.60	-0.79	2.15	21.21	V	38.45
836.50	-9.79	-33.50	-0.74	2.15	20.82	V	38.45
848.30	-9.66	-33.50	-0.73	2.15	20.96	V	38.45

LTE BAND 5 QPSK-3MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
825.50	-9.57	-33.60	-0.84	2.15	21.04	V	38.45
836.50	-9.97	-33.50	-0.74	2.15	20.64	V	38.45
847.50	-9.87	-33.50	-0.73	2.15	20.75	V	38.45

LTE BAND 5 QPSK-5MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
826.50	-9.65	-33.60	-0.84	2.15	20.96	V	38.45
836.50	-10.08	-33.50	-0.74	2.15	20.53	V	38.45
846.50	-9.97	-33.50	-0.73	2.15	20.65	V	38.45

LTE BAND 5 QPSK-10MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
829.00	-9.73	-33.60	-0.84	2.15	20.88	V	38.45
836.50	-10.15	-33.50	-0.74	2.15	20.46	V	38.45
844.00	-10.02	-33.50	-0.78	2.15	20.55	V	38.45

LTE BAND 5 16QAM-1.4MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
824.70	-10.47	-33.60	-0.79	2.15	20.19	V	38.45
836.50	-10.81	-33.50	-0.74	2.15	19.81	V	38.45
848.30	-10.81	-33.50	-0.73	2.15	19.81	V	38.45


LTE BAND 5 16QAM-3MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
825.50	-10.56	-33.60	-0.84	2.15	20.05	V	38.45
836.50	-11.00	-33.50	-0.74	2.15	19.62	V	38.45
847.50	-10.94	-33.50	-0.73	2.15	19.67	V	38.45

LTE BAND 5 16QAM-5MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
826.50	-10.70	-33.60	-0.84	2.15	19.91	V	38.45
836.50	-11.16	-33.50	-0.74	2.15	19.46	V	38.45
846.50	-10.98	-33.50	-0.73	2.15	19.64	V	38.45

LTE BAND 5 16QAM-10MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
829.00	-10.77	-33.60	-0.84	2.15	19.84	V	38.45
836.50	-11.19	-33.50	-0.74	2.15	19.43	V	38.45
844.00	-11.05	-33.50	-0.78	2.15	19.51	V	38.45

LTE BAND 5 64QAM-1.4MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
824.70	-11.48	-33.60	-0.79	2.15	19.17	V	38.45
836.50	-11.91	-33.50	-0.74	2.15	18.71	V	38.45
848.30	-11.83	-33.50	-0.73	2.15	18.79	V	38.45

LTE BAND 5 64QAM-3MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
825.50	-11.54	-33.60	-0.84	2.15	19.07	V	38.45
836.50	-12.00	-33.50	-0.74	2.15	18.61	V	38.45
847.50	-11.82	-33.50	-0.73	2.15	18.80	V	38.45

LTE BAND 5 64QAM-5MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)



826.50	-11.72	-33.60	-0.84	2.15	18.89	V	38.45
836.50	-12.18	-33.50	-0.74	2.15	18.43	V	38.45
846.50	-11.90	-33.50	-0.73	2.15	18.71	V	38.45

LTE BAND 5 64QAM-10MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
829.00	-11.84	-33.60	-0.84	2.15	18.77	V	38.45
836.50	-12.26	-33.50	-0.74	2.15	18.35	V	38.45
844.00	-12.13	-33.50	-0.78	2.15	18.44	V	38.45

**LTE Band 7- EIRP Part 27.50(h)(2)****Limits: ≤ 33 dBm (2W)****LTE BAND 7 QPSK-5MHz**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2502.50	-17.68	-28.70	10.70	21.72	H	33.00
2535.00	-17.03	-28.60	10.70	22.27	H	33.00
2567.50	-16.84	-28.60	10.70	22.46	H	33.00

LTE BAND 7 QPSK-10MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2505.00	-17.99	-28.70	10.70	21.41	H	33.00
2535.00	-17.25	-28.60	10.70	22.05	H	33.00
2565.00	-17.14	-28.60	10.70	22.16	H	33.00

LTE BAND 7 QPSK-15MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2507.50	-18.07	-28.70	10.70	21.33	H	33.00
2535.00	-17.44	-28.60	10.70	21.86	H	33.00
2562.50	-17.16	-28.60	10.70	22.14	H	33.00

LTE BAND 7 QPSK-20MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2510.00	-18.37	-28.70	10.70	21.03	H	33.00
2535.00	-17.59	-28.60	10.70	21.71	H	33.00
2560.00	-17.50	-28.60	10.70	21.80	H	33.00

**LTE BAND 7 16QAM-5MHz**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2502.50	-18.75	-28.70	10.70	20.65	H	33.00
2535.00	-18.17	-28.60	10.70	21.13	H	33.00
2567.50	-17.75	-28.60	10.70	21.55	H	33.00

LTE BAND 7 16QAM-10MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2505.00	-19.16	-28.70	10.70	20.24	H	33.00
2535.00	-18.48	-28.60	10.70	20.82	H	33.00
2565.00	-18.42	-28.60	10.70	20.88	H	33.00

LTE BAND 7 16QAM-15MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2507.50	-18.81	-28.70	10.70	20.59	H	33.00
2535.00	-18.33	-28.60	10.70	20.97	H	33.00
2562.50	-18.14	-28.60	10.70	21.16	H	33.00

LTE BAND 7 16QAM-20MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2510.00	-19.34	-28.70	10.70	20.06	H	33.00
2535.00	-18.64	-28.60	10.70	20.66	H	33.00
2560.00	-18.47	-28.60	10.70	20.83	H	33.00

**LTE BAND 7 64QAM-5MHz**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2502.50	-19.65	-28.70	10.70	19.75	H	33.00
2535.00	-19.08	-28.60	10.70	20.22	H	33.00
2567.50	-18.71	-28.60	10.70	20.59	H	33.00

LTE BAND 7 64QAM-10MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2505.00	-20.03	-28.70	10.70	19.37	H	33.00
2535.00	-19.39	-28.60	10.70	19.91	H	33.00
2565.00	-19.21	-28.60	10.70	20.09	H	33.00

LTE BAND 7 64QAM-15MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2507.50	-19.91	-28.70	10.70	19.49	H	33.00
2535.00	-19.30	-28.60	10.70	20.00	H	33.00
2562.50	-19.09	-28.60	10.70	20.21	H	33.00

LTE BAND 7 64QAM-20MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2510.00	-20.23	-28.70	10.70	19.17	H	33.00
2535.00	-19.34	-28.60	10.70	19.96	H	33.00
2560.00	-19.28	-28.60	10.70	20.02	H	33.00

**LTE Band 12 - ERP Part 27.50(c)(10)****Limits: ≤ 34.77 dBm (3W)****LTE BAND 12 QPSK-1.4MHz**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction(dB)	ERP(dBm)	Polarization	Limit(dBm)
699.70	-11.15	-34.80	-0.93	2.15	20.57	V	34.77
707.50	-10.81	-34.70	-0.91	2.15	20.83	V	34.77
715.30	-10.76	-34.70	-0.68	2.15	21.11	V	34.77

LTE BAND 12 QPSK-3MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction(dB)	ERP(dBm)	Polarization	Limit(dBm)
700.50	-11.29	-34.80	-0.97	2.15	20.39	V	34.77
707.50	-10.99	-34.70	-0.91	2.15	20.65	V	34.77
714.50	-11.00	-34.70	-0.64	2.15	20.90	V	34.77

LTE BAND 12 QPSK-5MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction(dB)	ERP(dBm)	Polarization	Limit(dBm)
701.50	-11.36	-34.80	-0.97	2.15	20.32	V	34.77
707.50	-11.10	-34.70	-0.91	2.15	20.54	V	34.77
713.50	-11.11	-34.70	-0.64	2.15	20.80	V	34.77

LTE BAND 12 QPSK-10MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction(dB)	ERP(dBm)	Polarization	Limit(dBm)
704.00	-11.45	-34.80	-0.97	2.15	20.23	V	34.77
707.50	-11.17	-34.70	-0.91	2.15	20.47	V	34.77
711.00	-11.21	-34.70	-0.64	2.15	20.70	V	34.77

**LTE BAND 12 16QAM-1.4MHz**

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
699.70	-12.17	-34.80	-0.93	2.15	19.55	V	34.77
707.50	-11.83	-34.70	-0.91	2.15	19.82	V	34.77
715.30	-11.91	-34.70	-0.68	2.15	19.96	V	34.77

LTE BAND 12 16QAM-3MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
700.50	-12.27	-34.80	-0.97	2.15	19.41	V	34.77
707.50	-12.01	-34.70	-0.91	2.15	19.63	V	34.77
714.50	-12.08	-34.70	-0.64	2.15	19.82	V	34.77

LTE BAND 12 16QAM-5MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
701.50	-12.41	-34.80	-0.97	2.15	19.27	V	34.77
707.50	-12.18	-34.70	-0.91	2.15	19.47	V	34.77
713.50	-12.11	-34.70	-0.64	2.15	19.79	V	34.77

LTE BAND 12 16QAM-10MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
704.00	-12.48	-34.80	-0.97	2.15	19.20	V	34.77
707.50	-12.21	-34.70	-0.91	2.15	19.44	V	34.77
711.00	-12.24	-34.70	-0.64	2.15	19.66	V	34.77

**LTE BAND 12 64QAM-1.4MHz**

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
699.70	-13.19	-34.80	-0.93	2.15	18.53	V	34.77
707.50	-12.93	-34.70	-0.91	2.15	18.72	V	34.77
715.30	-12.93	-34.70	-0.68	2.15	18.93	V	34.77

LTE BAND 12 64QAM-3MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
700.50	-13.25	-34.80	-0.97	2.15	18.43	V	34.77
707.50	-13.02	-34.70	-0.91	2.15	18.62	V	34.77
714.50	-12.96	-34.70	-0.64	2.15	18.95	V	34.77

LTE BAND 12 64QAM-5MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
701.50	-13.44	-34.80	-0.97	2.15	18.24	V	34.77
707.50	-13.20	-34.70	-0.91	2.15	18.44	V	34.77
713.50	-13.04	-34.70	-0.64	2.15	18.86	V	34.77

LTE BAND 12 64QAM-10MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
704.00	-13.56	-34.80	-0.97	2.15	18.12	V	34.77
707.50	-13.28	-34.70	-0.91	2.15	18.36	V	34.77
711.00	-13.32	-34.70	-0.64	2.15	18.59	V	34.77

**LTE Band 13- ERP Part 27.50(b)(10)****Limits: ≤ 34.77 dBm (3W)****LTE BAND 13 QPSK-5MHz**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction(dB)	ERP (dBm)	Polarization	Limit (dBm)
779.50	-11.00	-34.00	-0.08	2.15	20.77	V	34.77
782.00	-11.03	-34.00	-0.13	2.15	20.69	V	34.77
784.50	-10.68	-34.00	-0.13	2.15	21.04	V	34.77

LTE BAND 13 QPSK-10MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction(dB)	ERP (dBm)	Polarization	Limit (dBm)
782.00	-11.44	-34.00	-0.13	2.15	20.28	V	34.77

LTE BAND 13 16QAM-5MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction(dB)	ERP (dBm)	Polarization	Limit (dBm)
779.50	-12.09	-34.00	-0.08	2.15	19.68	V	34.77
782.00	-12.22	-34.00	-0.13	2.15	19.50	V	34.77
784.50	-11.82	-34.00	-0.13	2.15	19.90	V	34.77

LTE BAND 13 16QAM-10MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction(dB)	ERP (dBm)	Polarization	Limit (dBm)
782.00	-12.31	-34.00	-0.13	2.15	19.41	V	34.77

LTE BAND 13 64QAM-5MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction(dB)	ERP (dBm)	Polarization	Limit (dBm)
779.50	-12.96	-34.00	-0.08	2.15	18.81	V	34.77
782.00	-13.09	-34.00	-0.13	2.15	18.63	V	34.77
784.50	-12.69	-34.00	-0.13	2.15	19.03	V	34.77

LTE BAND 13 64QAM-10MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction(dB)	ERP (dBm)	Polarization	Limit (dBm)
782.00	-13.20	-34.00	-0.13	2.15	18.52	V	34.77

**LTE Band 17- ERP 27.50(c)(10)****Limits: ≤34.77dBm (3W)****LTE BAND 17 QPSK-5MHz**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction(dB)	ERP (dBm)	Polarization	Limit (dBm)
706.50	-10.52	-34.70	-0.91	2.15	21.12	V	34.77
710.00	-11.06	-34.70	-0.64	2.15	20.85	V	34.77
713.50	-10.84	-34.70	-0.64	2.15	21.07	V	34.77

LTE BAND 17 QPSK-10MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction(dB)	ERP (dBm)	Polarization	Limit (dBm)
709.00	-10.70	-34.70	-0.91	2.15	20.95	V	34.77
710.00	-11.23	-34.70	-0.64	2.15	20.67	V	34.77
711.00	-11.04	-34.70	-0.64	2.15	20.86	V	34.77

LTE BAND 17 16QAM-5MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction(dB)	ERP (dBm)	Polarization	Limit (dBm)
706.50	-11.54	-34.70	-0.91	2.15	20.10	V	34.77
710.00	-12.07	-34.70	-0.64	2.15	19.84	V	34.77
713.50	-11.99	-34.70	-0.64	2.15	19.92	V	34.77

LTE BAND 17 16QAM-10MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction(dB)	ERP (dBm)	Polarization	Limit (dBm)
709.00	-11.68	-34.70	-0.91	2.15	19.96	V	34.77
710.00	-12.26	-34.70	-0.64	2.15	19.65	V	34.77
711.00	-12.12	-34.70	-0.64	2.15	19.78	V	34.77

LTE BAND 17 64QAM-5MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction(dB)	ERP (dBm)	Polarization	Limit (dBm)
706.50	-12.56	-34.70	-0.91	2.15	19.08	V	34.77
710.00	-13.17	-34.70	-0.64	2.15	18.74	V	34.77
713.50	-13.01	-34.70	-0.64	2.15	18.89	V	34.77

**LTE BAND 17 64QAM-10MHz**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction(dB)	ERP (dBm)	Polarization	Limit (dBm)
709.00	-12.66	-34.70	-0.91	2.15	18.98	V	34.77
710.00	-13.27	-34.70	-0.64	2.15	18.64	V	34.77
711.00	-13.00	-34.70	-0.64	2.15	18.91	V	34.77

**LTE Band 26(824MHz-849MHz)- ERP Part 22.913(a)****Limits: ≤38.45dBm (7W)****LTE BAND 26 QPSK-1.4MHz**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	G _a Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
824.70	-8.98	-33.60	-0.79	2.15	21.68	H	38.45
836.50	-9.07	-33.50	-0.74	2.15	21.54	H	38.45
848.30	-8.77	-33.50	-0.73	2.15	21.85	H	38.45

LTE BAND 26 QPSK-3MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	G _a Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
825.50	-9.15	-33.60	-0.79	2.15	21.51	H	38.45
836.50	-9.25	-33.50	-0.74	2.15	21.36	H	38.45
847.50	-8.98	-33.50	-0.73	2.15	21.64	H	38.45

LTE BAND 26 QPSK-5MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	G _a Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
826.50	-9.23	-33.60	-0.79	2.15	21.43	H	38.45
836.50	-9.36	-33.50	-0.74	2.15	21.25	H	38.45
846.50	-9.08	-33.50	-0.73	2.15	21.54	H	38.45

LTE BAND 26 QPSK-10MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	G _a Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
829.00	-9.31	-33.60	-0.79	2.15	21.35	H	38.45
836.50	-9.43	-33.50	-0.74	2.15	21.18	H	38.45
844.00	-9.18	-33.50	-0.73	2.15	21.44	H	38.45

LTE BAND 26 QPSK-15MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	G _a Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
831.50	-9.41	-33.60	-0.79	2.15	21.24	H	38.45
836.50	-9.51	-33.50	-0.74	2.15	21.11	H	38.45
841.50	-9.25	-33.50	-0.73	2.15	21.36	H	38.45

**LTE BAND 26 16QAM-1.4MHz**

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
824.70	-10.00	-33.60	-0.79	2.15	20.66	H	38.45
836.50	-10.09	-33.50	-0.74	2.15	20.53	H	38.45
848.30	-9.92	-33.50	-0.73	2.15	20.70	H	38.45

LTE BAND 26 16QAM-3MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
825.50	-10.14	-33.60	-0.79	2.15	20.52	H	38.45
836.50	-10.28	-33.50	-0.74	2.15	20.34	H	38.45
847.50	-10.05	-33.50	-0.73	2.15	20.56	H	38.45

LTE BAND 26 16QAM-5MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
826.50	-10.27	-33.60	-0.79	2.15	20.38	H	38.45
836.50	-10.44	-33.50	-0.74	2.15	20.18	H	38.45
846.50	-10.09	-33.50	-0.73	2.15	20.53	H	38.45

LTE BAND 26 16QAM-10MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
829.00	-10.34	-33.60	-0.79	2.15	20.31	H	38.45
836.50	-10.47	-33.50	-0.74	2.15	20.15	H	38.45
844.00	-10.21	-33.50	-0.73	2.15	20.40	H	38.45

LTE BAND 26 16QAM-15MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
831.50	-10.53	-33.60	-0.79	2.15	20.13	H	38.45
836.50	-10.62	-33.50	-0.74	2.15	19.99	H	38.45
841.50	-10.37	-33.50	-0.73	2.15	20.25	H	38.45


LTE BAND 26 64QAM-1.4MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
824.70	-11.01	-33.60	-0.79	2.15	19.64	H	38.45
836.50	-11.19	-33.50	-0.74	2.15	19.43	H	38.45
848.30	-10.94	-33.50	-0.73	2.15	19.68	H	38.45

LTE BAND 26 64QAM-3MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
825.50	-11.11	-33.60	-0.79	2.15	19.54	H	38.45
836.50	-11.28	-33.50	-0.74	2.15	19.33	H	38.45
847.50	-10.93	-33.50	-0.73	2.15	19.69	H	38.45

LTE BAND 26 64QAM-5MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
826.50	-11.30	-33.60	-0.79	2.15	19.36	H	38.45
836.50	-11.46	-33.50	-0.74	2.15	19.15	H	38.45
846.50	-11.01	-33.50	-0.73	2.15	19.61	H	38.45

LTE BAND 26 64QAM-10MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
829.00	-11.42	-33.60	-0.79	2.15	19.24	H	38.45
836.50	-11.54	-33.50	-0.74	2.15	19.07	H	38.45
844.00	-11.29	-33.50	-0.73	2.15	19.33	H	38.45

LTE BAND 26 64QAM-15MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
831.50	-11.53	-33.60	-0.79	2.15	19.12	H	38.45
836.50	-11.62	-33.50	-0.74	2.15	18.99	H	38.45
841.50	-11.37	-33.50	-0.73	2.15	19.25	H	38.45

**LTE Band 26(814MHz-824MHz)- ERP Part 90.635(b)****Limits: ≤50.00dBm (100W)****LTE BAND 26 QPSK-1.4MHz**

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
814.70	-9.65	-33.70	-0.80	2.15	21.10	H	50.00
819.00	-9.68	-33.60	-0.75	2.15	21.02	H	50.00
823.30	-9.43	-33.60	-0.79	2.15	21.23	H	50.00

LTE BAND 26 QPSK-3MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
815.50	-9.82	-33.70	-0.80	2.15	20.93	H	50.00
819.00	-9.86	-33.60	-0.75	2.15	20.84	H	50.00
822.50	-9.64	-33.60	-0.79	2.15	21.02	H	50.00

LTE BAND 26 QPSK-5MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
816.50	-9.90	-33.70	-0.80	2.15	20.85	H	50.00
819.00	-9.97	-33.60	-0.75	2.15	20.73	H	50.00
821.50	-9.74	-33.60	-0.79	2.15	20.92	H	50.00

LTE BAND 26 QPSK-10MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
819.00	-9.88	-33.60	-0.80	2.15	20.77	H	50.00
819.00	-10.04	-33.60	-0.75	2.15	20.66	H	50.00
819.00	-9.84	-33.60	-0.79	2.15	20.82	H	50.00

**LTE BAND 26 16QAM-1.4MHz**

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
814.70	-10.67	-33.70	-0.80	2.15	20.08	H	50.00
819.00	-10.70	-33.60	-0.75	2.15	20.01	H	50.00
823.30	-10.58	-33.60	-0.79	2.15	20.08	H	50.00

LTE BAND 26 16QAM-3MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
815.50	-10.81	-33.70	-0.80	2.15	19.94	H	50.00
819.00	-10.89	-33.60	-0.75	2.15	19.82	H	50.00
822.50	-10.71	-33.60	-0.79	2.15	19.94	H	50.00

LTE BAND 26 16QAM-5MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
816.50	-10.95	-33.70	-0.80	2.15	19.80	H	50.00
819.00	-11.05	-33.60	-0.75	2.15	19.66	H	50.00
821.50	-10.74	-33.60	-0.79	2.15	19.91	H	50.00

LTE BAND 26 16QAM-10MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
819.00	-10.92	-33.60	-0.80	2.15	19.73	H	50.00
819.00	-11.08	-33.60	-0.75	2.15	19.63	H	50.00
819.00	-10.87	-33.60	-0.79	2.15	19.78	H	50.00

**LTE BAND 26 64QAM-1.4MHz**

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
814.70	-11.69	-33.70	-0.80	2.15	19.06	H	50.00
819.00	-11.80	-33.60	-0.75	2.15	18.91	H	50.00
823.30	-11.60	-33.60	-0.79	2.15	19.05	H	50.00

LTE BAND 26 64QAM-3MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
815.50	-11.79	-33.70	-0.80	2.15	18.96	H	50.00
819.00	-11.89	-33.60	-0.75	2.15	18.81	H	50.00
822.50	-11.59	-33.60	-0.79	2.15	19.07	H	50.00

LTE BAND 26 64QAM-5MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
816.50	-11.97	-33.70	-0.80	2.15	18.77	H	50.00
819.00	-12.07	-33.60	-0.75	2.15	18.63	H	50.00
821.50	-11.67	-33.60	-0.79	2.15	18.98	H	50.00

LTE BAND 26 64QAM-10MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
819.00	-11.99	-33.60	-0.80	2.15	18.66	H	50.00
819.00	-12.15	-33.60	-0.75	2.15	18.55	H	50.00
819.00	-11.95	-33.60	-0.79	2.15	18.71	H	50.00

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**LTE Band 38 - EIRP Part 27.50(h)(2)****Limits: $\leq 33\text{dBm}$ (2W)****LTE BAND 38 QPSK-5MHz**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2572.50	-17.07	-28.60	10.70	22.23	H	33.00
2595.00	-16.90	-28.60	10.70	22.40	H	33.00
2617.50	-17.32	-28.60	10.70	21.98	H	33.00

LTE BAND 38 QPSK-10MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2575.00	-17.39	-28.60	10.70	21.91	H	33.00
2595.00	-17.17	-28.60	10.70	22.13	H	33.00
2615.00	-17.62	-28.60	10.70	21.68	H	33.00

LTE BAND 38 QPSK-15MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2577.50	-17.48	-28.60	10.70	21.82	H	33.00
2595.00	-17.35	-28.60	10.70	21.95	H	33.00
2612.50	-17.81	-28.60	10.70	21.49	H	33.00

LTE BAND 38 QPSK-20MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2580.00	-17.76	-28.60	10.70	21.54	H	33.00
2595.00	-17.56	-28.60	10.70	21.74	H	33.00
2610.00	-18.08	-28.60	10.70	21.22	H	33.00

**LTE BAND 38 16QAM-5MHz**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2572.50	-18.14	-28.60	10.70	21.16	H	33.00
2595.00	-18.04	-28.60	10.70	21.26	H	33.00
2617.50	-18.23	-28.60	10.70	21.07	H	33.00

LTE BAND 38 16QAM-10MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2575.00	-18.55	-28.60	10.70	20.75	H	33.00
2595.00	-18.40	-28.60	10.70	20.90	H	33.00
2615.00	-18.90	-28.60	10.70	20.40	H	33.00

LTE BAND 38 16QAM-15MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2577.50	-18.22	-28.60	10.70	21.08	H	33.00
2595.00	-18.24	-28.60	10.70	21.06	H	33.00
2612.50	-18.79	-28.60	10.70	20.51	H	33.00

LTE BAND 38 16QAM-20MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2580.00	-18.73	-28.60	10.70	20.57	H	33.00
2595.00	-19.01	-28.60	10.70	20.29	H	33.00
2610.00	-18.95	-28.60	10.70	20.35	H	33.00

**LTE BAND 38 64QAM-5MHz**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2572.50	-19.04	-28.60	10.70	20.26	H	33.00
2595.00	-18.95	-28.60	10.70	20.35	H	33.00
2617.50	-19.19	-28.60	10.70	20.11	H	33.00

LTE BAND 38 64QAM-10MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2575.00	-19.43	-28.60	10.70	19.88	H	33.00
2595.00	-19.31	-28.60	10.70	19.99	H	33.00
2615.00	-19.69	-28.60	10.70	19.61	H	33.00

LTE BAND 38 64QAM-15MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2577.50	-19.32	-28.60	10.70	19.98	H	33.00
2595.00	-19.41	-28.60	10.70	19.89	H	33.00
2612.50	-20.04	-28.60	10.70	19.26	H	33.00

LTE BAND 38 64QAM-20MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2580.00	-19.62	-28.60	10.70	19.68	H	33.00
2595.00	-19.91	-28.60	10.70	19.39	H	33.00
2610.00	-19.76	-28.60	10.70	19.54	H	33.00

**LTE Band 41- EIRP Part 27.50(d)(2)****Limits: $\leq 33\text{dBm}$ (2W)****LTE BAND 41 QPSK-5MHz**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2498.50	-17.38	-28.70	10.70	22.02	H	33.00
2593.00	-16.76	-28.60	10.70	22.54	H	33.00
2687.50	-16.73	-28.50	10.70	22.47	H	33.00

LTE BAND 41 QPSK-10MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2501.00	-17.66	-28.70	10.70	21.74	H	33.00
2593.00	-16.97	-28.60	10.70	22.33	H	33.00
2685.00	-17.05	-28.50	10.70	22.16	H	33.00

LTE BAND 41 QPSK-15MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2503.50	-17.77	-28.70	10.70	21.63	H	33.00
2593.00	-17.27	-28.60	10.70	22.03	H	33.00
2682.50	-17.17	-28.50	10.70	22.03	H	33.00

LTE BAND 41 QPSK-20MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2506.00	-18.05	-28.70	10.70	21.35	H	33.00
2593.00	-17.52	-28.60	10.70	21.78	H	33.00
2680.00	-17.44	-28.50	10.70	21.76	H	33.00

**LTE BAND 41 16QAM-5MHz**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2498.50	-18.55	-28.70	10.70	20.85	H	33.00
2593.00	-17.83	-28.60	10.70	21.47	H	33.00
2687.50	-17.70	-28.50	10.70	21.50	H	33.00

LTE BAND 41 16QAM-10MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2501.00	-18.95	-28.70	10.70	20.45	H	33.00
2593.00	-18.16	-28.60	10.70	21.14	H	33.00
2685.00	-18.25	-28.50	10.70	20.95	H	33.00

LTE BAND 41 16QAM-15MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2503.50	-18.76	-28.70	10.70	20.64	H	33.00
2593.00	-18.23	-28.60	10.70	21.07	H	33.00
2682.50	-18.10	-28.50	10.70	21.10	H	33.00

LTE BAND 41 16QAM-20MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2506.00	-19.16	-28.70	10.70	20.24	H	33.00
2593.00	-18.53	-28.60	10.70	20.77	H	33.00
2680.00	-18.63	-28.50	10.70	20.57	H	33.00

**LTE BAND 41 64QAM-5MHz**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2498.50	-19.48	-28.70	10.70	19.92	H	33.00
2593.00	-18.83	-28.60	10.70	20.47	H	33.00
2687.50	-18.60	-28.50	10.70	20.60	H	33.00

LTE BAND 41 64QAM-10MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2501.00	-19.72	-28.70	10.70	19.68	H	33.00
2593.00	-19.13	-28.60	10.70	20.17	H	33.00
2685.00	-19.20	-28.50	10.70	20.00	H	33.00

LTE BAND 41 64QAM-15MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2503.50	-19.86	-28.70	10.70	19.54	H	33.00
2593.00	-19.44	-28.60	10.70	19.86	H	33.00
2682.50	-19.45	-28.50	10.70	19.75	H	33.00

LTE BAND 41 64QAM-20MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2506.00	-20.07	-28.70	10.70	19.33	H	33.00
2593.00	-19.52	-28.60	10.70	19.78	H	33.00
2680.00	-19.47	-28.50	10.70	19.73	H	33.00

**LTE Band 66- EIRP Part 27.50(d)(4)****Limits: $\leq 30\text{dBm}$ (1W)****LTE BAND 66 QPSK-1.4MHz**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1710.70	-15.45	-29.60	8.10	22.25	H	30.00
1745.00	-15.16	-29.50	8.10	22.44	H	30.00
1779.30	-15.14	-29.50	8.10	22.46	H	30.00

LTE BAND 66 QPSK-3MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1711.50	-15.66	-29.60	8.10	22.04	H	30.00
1745.00	-15.34	-29.50	8.10	22.26	H	30.00
1778.50	-15.39	-29.50	8.10	22.21	H	30.00

LTE BAND 66 QPSK-5MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1712.50	-15.80	-29.60	8.10	21.90	H	30.00
1745.00	-15.46	-29.50	8.10	22.14	H	30.00
1777.50	-15.55	-29.50	8.10	22.05	H	30.00

LTE BAND 66 QPSK-10MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1715.00	-15.88	-29.60	8.10	21.82	H	30.00
1745.00	-15.62	-29.50	8.10	21.98	H	30.00
1775.00	-15.65	-29.50	8.10	21.95	H	30.00

LTE BAND 66 QPSK-15MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1717.50	-15.99	-29.60	8.10	21.71	H	30.00
1745.00	-15.77	-29.50	8.10	21.83	H	30.00
1772.53	-15.73	-29.50	8.10	21.87	H	30.00

LTE BAND 66 QPSK-20MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1720.00	-16.15	-29.60	8.10	21.55	H	30.00



1745.00	-15.87	-29.50	8.10	21.73	H	30.00
1770.00	-15.89	-29.50	8.10	21.71	H	30.00

LTE BAND 66 16QAM-1.4MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1710.70	-16.47	-29.60	8.10	21.23	H	30.00
1745.00	-16.25	-29.50	8.10	21.35	H	30.00
1779.30	-16.19	-29.50	8.10	21.41	H	30.00

LTE BAND 66 16QAM-3MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1711.50	-16.55	-29.60	8.10	21.15	H	30.00
1745.00	-16.36	-29.50	8.10	21.24	H	30.00
1778.50	-16.47	-29.50	8.10	21.13	H	30.00

LTE BAND 66 16QAM-5MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1712.50	-16.85	-29.60	8.10	20.85	H	30.00
1745.00	-16.53	-29.50	8.10	21.07	H	30.00
1777.50	-16.64	-29.50	8.10	20.96	H	30.00

LTE BAND 66 16QAM-10MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1715.00	-16.92	-29.60	8.10	20.78	H	30.00
1745.00	-16.65	-29.50	8.10	20.95	H	30.00
1775.00	-16.69	-29.50	8.10	20.91	H	30.00

LTE BAND 66 16QAM-15MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1717.50	-17.00	-29.60	8.10	20.70	H	30.00
1745.00	-16.79	-29.50	8.10	20.81	H	30.00
1772.53	-16.74	-29.50	8.10	20.86	H	30.00

LTE BAND 66 16QAM-20MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1720.00	-17.24	-29.60	8.10	20.46	H	30.00



1745.00	-16.93	-29.50	8.10	20.67	H	30.00
1770.00	-16.99	-29.50	8.10	20.61	H	30.00

LTE BAND 66 64QAM-1.4MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1710.70	-17.29	-29.60	8.10	20.41	H	30.00
1745.00	-17.15	-29.50	8.10	20.45	H	30.00
1779.30	-17.02	-29.50	8.10	20.59	H	30.00

LTE BAND 66 64QAM-3MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1711.50	-17.43	-29.60	8.10	20.27	H	30.00
1745.00	-17.24	-29.50	8.10	20.36	H	30.00
1778.50	-17.34	-29.50	8.10	20.26	H	30.00

LTE BAND 66 64QAM-5MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1712.50	-17.57	-29.60	8.10	20.12	H	30.00
1745.00	-17.26	-29.50	8.10	20.34	H	30.00
1777.50	-17.36	-29.50	8.10	20.23	H	30.00

LTE BAND 66 64QAM-10MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1715.00	-17.80	-29.60	8.10	19.91	H	30.00
1745.00	-17.53	-29.50	8.10	20.07	H	30.00
1775.00	-17.58	-29.50	8.10	20.02	H	30.00

LTE BAND 66 64QAM-15MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1717.50	-17.81	-29.60	8.10	19.89	H	30.00
1745.00	-17.59	-29.50	8.10	20.01	H	30.00
1772.53	-17.54	-29.50	8.10	20.06	H	30.00

LTE BAND 66 64QAM-20MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1720.00	-17.99	-29.60	8.10	19.71	H	30.00



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1745.00	-17.77	-29.50	8.10	19.83	H	30.00
1770.00	-17.73	-29.50	8.10	19.87	H	30.00

**LTE CA_7C - EIRP Part 27.50(h)(2)****Limits:** ≤33 dBm (2W)**LTE BAND CA_7C QPSK 10MHz+20MHz**

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _{A_g} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2505.50	2519.90	-18.38	-28.70	10.70	21.02	V	33.00
2525.60	2540.00	-18.28	-28.60	10.70	21.02	V	33.00
2545.60	2560.00	-18.04	-28.60	10.70	21.26	V	33.00

LTE BAND CA_7C QPSK 20MHz+10MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _{A_g} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2510.00	2524.40	-18.41	-28.70	10.70	20.99	H	33.00
2530.10	2544.50	-18.32	-28.60	10.70	20.98	H	33.00
2550.10	2564.50	-18.07	-28.60	10.70	21.23	H	33.00

LTE BAND CA_7C QPSK 20MHz+15MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _{A_g} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2510.00	2527.10	-18.44	-28.70	10.70	20.96	H	33.00
2527.60	2544.70	-18.34	-28.60	10.70	20.96	H	33.00
2545.10	2562.20	-18.09	-28.60	10.70	21.21	H	33.00

LTE BAND CA_7C QPSK 20MHz+20MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _{A_g} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2510.00	2529.80	-18.45	-28.70	10.70	20.95	H	33.00
2525.10	2544.90	-18.36	-28.60	10.70	20.94	H	33.00
2540.20	2560.00	-18.11	-28.60	10.70	21.19	H	33.00

LTE BAND CA_7C QPSK 15MHz+10MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _{A_g} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2507.50	2519.50	-18.49	-28.70	10.70	20.91	H	33.00
2530.10	2542.10	-18.39	-28.60	10.70	20.91	H	33.00
2552.70	2564.70	-18.14	-28.60	10.70	21.16	H	33.00

LTE BAND CA_7C QPSK 15MHz+15MHz

Frequency	Frequency	P _{Mea}	P _{cl} (dB)+P _A	Ga	EIRP	Polarization	Limit
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(MHz)	(MHz)	(dBm)	g (dB)	Antenna Gain(dBi)	(dBm)	n	(dBm)
2507.50	2522.50	-18.49	-28.70	10.70	20.91	H	33.00
2527.50	2542.50	-18.39	-28.60	10.70	20.91	H	33.00
2547.50	2562.50	-18.14	-28.60	10.70	21.16	H	33.00

LTE BAND CA_7C QPSK 15MHz+20MHz

Frequency (MHz)	Frequency (MHz)	P_{Mea} (dBm)	$P_{cl}(dB)+P_A$ g (dB)	G_a Antenna Gain(dBi)	EIRP (dBm)	Polarizatio n	Limit (dBm)
2507.80	2425.90	-18.54	-28.70	10.70	20.86	H	33.00
2525.30	2542.40	-18.45	-28.60	10.70	20.85	H	33.00
2542.90	2560.00	-18.20	-28.60	10.70	21.10	H	33.00

LTE BAND CA_7C 16QAM 10MHz+20MHz

Frequency (MHz)	Frequency (MHz)	P_{Mea} (dBm)	$P_{cl}(dB)+P_A$ g (dB)	G_a Antenna Gain(dBi)	EIRP (dBm)	Polarizatio n	Limit (dBm)
2505.50	2519.90	-19.49	-28.70	10.70	19.91	V	33.00
2525.60	2540.00	-19.40	-28.60	10.70	19.90	V	33.00
2545.60	2560.00	-19.15	-28.60	10.70	20.15	V	33.00

LTE BAND CA_7C 16QAM 20MHz+10MHz

Frequency (MHz)	Frequency (MHz)	P_{Mea} (dBm)	$P_{cl}(dB)+P_A$ g (dB)	G_a Antenna Gain(dBi)	EIRP (dBm)	Polarizatio n	Limit (dBm)
2510.00	2524.40	-19.48	-28.70	10.70	19.92	H	33.00
2530.10	2544.50	-19.39	-28.60	10.70	19.91	H	33.00
2550.10	2564.50	-19.14	-28.60	10.70	20.16	H	33.00

LTE BAND CA_7C 16QAM 20MHz+15MHz

Frequency (MHz)	Frequency (MHz)	P_{Mea} (dBm)	$P_{cl}(dB)+P_A$ g (dB)	G_a Antenna Gain(dBi)	EIRP (dBm)	Polarizatio n	Limit (dBm)
2510.00	2527.10	-19.51	-28.70	10.70	19.89	H	33.00
2527.60	2544.70	-19.42	-28.60	10.70	19.88	H	33.00
2545.10	2562.20	-19.17	-28.60	10.70	20.13	H	33.00

LTE BAND CA_7C 16QAM 20MHz+20MHz

Frequency (MHz)	Frequency (MHz)	P_{Mea} (dBm)	$P_{cl}(dB)+P_A$ g (dB)	G_a Antenna Gain(dBi)	EIRP (dBm)	Polarizatio n	Limit (dBm)
2510.00	2529.80	-19.51	-28.70	10.70	19.89	H	33.00



2525.10	2544.90	-19.42	-28.60	10.70	19.88	H	33.00
2540.20	2560.00	-19.17	-28.60	10.70	20.13	H	33.00

LTE BAND CA_7C 16QAM 15MHz+10MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A g(dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarizatio n	Limit (dBm)
2507.50	2519.50	-19.54	-28.70	10.70	19.86	H	33.00
2530.10	2542.10	-19.45	-28.60	10.70	19.85	H	33.00
2552.70	2564.70	-19.20	-28.60	10.70	20.10	H	33.00

LTE BAND CA_7C 16QAM 15MHz+15MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A g(dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarizatio n	Limit (dBm)
2507.50	2522.50	-19.51	-28.70	10.70	19.89	H	33.00
2527.50	2542.50	-19.42	-28.60	10.70	19.88	H	33.00
2547.50	2562.50	-19.17	-28.60	10.70	20.13	H	33.00

LTE BAND CA_7C 16QAM 15MHz+20MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A g(dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarizatio n	Limit (dBm)
2507.80	2425.90	-19.58	-28.70	10.70	19.82	H	33.00
2525.30	2542.40	-19.49	-28.60	10.70	19.81	H	33.00
2542.90	2560.00	-19.24	-28.60	10.70	20.06	H	33.00

LTE BAND CA_7C 64QAM 10MHz+20MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A g(dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarizatio n	Limit (dBm)
2505.50	2519.90	-20.54	-28.70	10.70	18.86	V	33.00
2525.60	2540.00	-20.45	-28.60	10.70	18.85	V	33.00
2545.60	2560.00	-20.20	-28.60	10.70	19.10	V	33.00

LTE BAND CA_7C 64QAM 20MHz+10MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A g(dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarizatio n	Limit (dBm)
2510.00	2524.40	-20.56	-28.70	10.70	18.84	H	33.00
2530.10	2544.50	-20.46	-28.60	10.70	18.84	H	33.00
2550.10	2564.50	-20.21	-28.60	10.70	19.09	H	33.00

**LTE BAND CA_7C 64QAM 20MHz+15MHz**

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A _g (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2510.00	2527.10	-20.65	-28.70	10.70	18.75	H	33.00
2527.60	2544.70	-20.56	-28.60	10.70	18.74	H	33.00
2545.10	2562.20	-20.31	-28.60	10.70	18.99	H	33.00

LTE BAND CA_7C 64QAM 20MHz+20MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A _g (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2510.00	2529.80	-20.57	-28.70	10.70	18.83	H	33.00
2525.10	2544.90	-20.48	-28.60	10.70	18.82	H	33.00
2540.20	2560.00	-20.23	-28.60	10.70	19.07	H	33.00

LTE BAND CA_7C 64QAM 15MHz+10MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A _g (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2507.50	2519.50	-20.60	-28.70	10.70	18.80	H	33.00
2530.10	2542.10	-20.51	-28.60	10.70	18.79	H	33.00
2552.70	2564.70	-20.26	-28.60	10.70	19.04	H	33.00

LTE BAND CA_7C 64QAM 15MHz+15MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A _g (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2507.50	2522.50	-20.53	-28.70	10.70	18.87	H	33.00
2527.50	2542.50	-20.44	-28.60	10.70	18.86	H	33.00
2547.50	2562.50	-20.19	-28.60	10.70	19.11	H	33.00

LTE BAND CA_7C 64QAM 15MHz+20MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A _g (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2507.80	2425.90	-20.62	-28.70	10.70	18.78	H	33.00
2525.30	2542.40	-20.53	-28.60	10.70	18.77	H	33.00
2542.90	2560.00	-20.28	-28.60	10.70	19.02	H	33.00

**LTE CA_38C - EIRP Part 27.50(h)(2)****Limits:** ≤33dBm (2W)**LTE BAND CA_38C QPSK 15MHz+15MHz**

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _{A_g} (dB)	G _a Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2577.50	2592.50	-18.41	-28.70	10.70	20.99	V	33.00
2587.50	2602.50	-18.11	-28.60	10.70	21.19	V	33.00
2597.50	2612.50	-18.13	-28.50	10.70	21.07	V	33.00

LTE BAND CA_38C QPSK 20MHz+20MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _{A_g} (dB)	G _a Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2580.00	2599.80	-18.55	-28.70	10.70	20.85	V	33.00
2585.10	2604.90	-18.25	-28.60	10.70	21.05	V	33.00
2590.20	2610.00	-18.37	-28.60	10.70	20.93	V	33.00

LTE BAND CA_38C 16QAM 15MHz+15MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _{A_g} (dB)	G _a Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2577.50	2592.50	-19.46	-28.70	10.70	19.94	V	33.00
2587.50	2602.50	-19.16	-28.60	10.70	20.14	V	33.00
2597.50	2612.50	-19.18	-28.50	10.70	20.02	V	33.00

LTE BAND CA_38C 16QAM 20MHz+20MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _{A_g} (dB)	G _a Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2580.00	2599.80	-19.62	-28.70	10.70	19.78	V	33.00
2585.10	2604.90	-19.33	-28.60	10.70	19.97	V	33.00
2590.20	2610.00	-19.44	-28.60	10.70	19.86	V	33.00

LTE BAND CA_38C 64QAM 15MHz+15MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _{A_g} (dB)	G _a Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2577.50	2592.50	-20.59	-28.70	10.70	18.81	V	33.00
2587.50	2602.50	-20.30	-28.60	10.70	19.00	V	33.00
2597.50	2612.50	-20.32	-28.50	10.70	18.88	V	33.00

**LTE BAND CA_38C 64QAM 20MHz+20MHz**

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A _g (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarizatio n	Limit (dBm)
2580.00	2599.80	-20.80	-28.70	10.70	18.60	V	33.00
2585.10	2604.90	-20.51	-28.60	10.70	18.79	V	33.00
2590.20	2610.00	-20.62	-28.60	10.70	18.68	V	33.00

**LTE CA_41C- EIRP Part 27.50(d)(2)****Limits:** ≤33dBm (2W)**LTE BAND CA_41C QPSK 5MHz+20MHz**

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _{A_g} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2499.30	2511.00	-17.61	-28.70	10.70	21.79	V	33.00
2583.80	2595.50	-17.28	-28.60	10.70	22.02	V	33.00
2668.30	2680.00	-16.81	-28.50	10.70	22.39	V	33.00

LTE BAND CA_41C QPSK 10MHz+20MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _{A_g} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2501.50	2515.90	-17.64	-28.70	10.70	21.76	V	33.00
2583.60	2598.00	-17.32	-28.60	10.70	21.98	V	33.00
2665.60	2680.00	-16.94	-28.60	10.70	22.36	V	33.00

LTE BAND CA_41C QPSK 15MHz+20MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _{A_g} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2503.80	2520.90	-17.63	-28.70	10.70	21.77	H	33.00
2583.30	2600.40	-17.31	-28.60	10.70	21.99	H	33.00
2662.90	2680.00	-16.93	-28.60	10.70	22.37	H	33.00

LTE BAND CA_41C QPSK 20MHz+5MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _{A_g} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2506.00	2517.70	-17.75	-28.70	10.70	21.65	H	33.00
2590.50	2602.20	-17.43	-28.60	10.70	21.87	H	33.00
2675.00	2686.70	-17.05	-28.60	10.70	22.25	H	33.00

LTE BAND CA_41C QPSK 20MHz+10MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _{A_g} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2506.00	2520.40	-17.71	-28.70	10.70	21.69	H	33.00
2588.10	2602.50	-17.39	-28.60	10.70	21.91	H	33.00
2670.10	2684.50	-17.02	-28.60	10.70	22.28	H	33.00

**LTE BAND CA_41C QPSK 20MHz+15MHz**

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A _g (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2506.00	2523.10	-17.73	-28.70	10.70	21.67	H	33.00
2585.60	2602.70	-17.41	-28.60	10.70	21.89	H	33.00
2665.10	2682.20	-17.04	-28.60	10.70	22.26	H	33.00

LTE BAND CA_41C QPSK 15MHz+15MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A _g (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2503.50	2518.50	-17.78	-28.70	10.70	21.62	H	33.00
2585.50	2600.50	-17.53	-28.60	10.70	21.77	H	33.00
2667.50	2682.50	-17.15	-28.60	10.70	22.15	H	33.00

LTE BAND CA_41C QPSK 20MHz+20MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A _g (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2506.00	2525.80	-17.80	-28.70	10.70	21.60	H	33.00
2583.10	2602.90	-17.55	-28.60	10.70	21.75	H	33.00
2660.20	2680.00	-17.17	-28.60	10.70	22.13	H	33.00

LTE BAND CA_41C QPSK 15MHz+10MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A _g (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2503.50	2515.50	-17.86	-28.70	10.70	21.54	H	33.00
2588.10	2600.10	-17.61	-28.60	10.70	21.69	H	33.00
2672.70	2684.70	-17.23	-28.60	10.70	22.07	H	33.00

LTE BAND CA_41C QPSK 10MHz+15MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A _g (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2501.30	2513.30	-17.88	-28.70	10.70	21.52	V	33.00
2585.90	2597.90	-17.63	-28.60	10.70	21.67	V	33.00
2670.50	2682.50	-17.25	-28.60	10.70	22.05	V	33.00

**LTE BAND CA_41C 16QAM 5MHz+20MHz**

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A _g (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2499.30	2511.00	-18.65	-28.70	10.70	20.75	V	33.00
2583.80	2595.50	-18.33	-28.60	10.70	20.97	V	33.00
2668.30	2680.00	-17.85	-28.50	10.70	21.35	V	33.00

LTE BAND CA_41C 16QAM 10MHz+20MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A _g (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2501.50	2515.90	-18.69	-28.70	10.70	20.71	V	33.00
2583.60	2598.00	-18.36	-28.60	10.70	20.94	V	33.00
2665.60	2680.00	-17.99	-28.60	10.70	21.31	V	33.00

LTE BAND CA_41C 16QAM 15MHz+20MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A _g (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2503.80	2520.90	-18.68	-28.70	10.70	20.72	H	33.00
2583.30	2600.40	-18.36	-28.60	10.70	20.94	H	33.00
2662.90	2680.00	-17.99	-28.60	10.70	21.31	H	33.00

LTE BAND CA_41C 16QAM 20MHz+5MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A _g (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2506.00	2517.70	-18.84	-28.70	10.70	20.56	H	33.00
2590.50	2602.20	-18.52	-28.60	10.70	20.78	H	33.00
2675.00	2686.70	-18.15	-28.60	10.70	21.15	H	33.00

LTE BAND CA_41C 16QAM 20MHz+10MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A _g (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2506.00	2520.40	-18.75	-28.70	10.70	20.65	H	33.00
2588.10	2602.50	-18.43	-28.60	10.70	20.87	H	33.00
2670.10	2684.50	-18.06	-28.60	10.70	21.24	H	33.00

LTE BAND CA_41C 16QAM 20MHz+15MHz



Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A g(dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarizatio n	Limit (dBm)
2506.00	2523.10	-18.82	-28.70	10.70	20.58	H	33.00
2585.60	2602.70	-18.50	-28.60	10.70	20.80	H	33.00
2665.10	2682.20	-18.13	-28.60	10.70	21.17	H	33.00

LTE BAND CA_41C 16QAM 15MHz+15MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A g(dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarizatio n	Limit (dBm)
2503.50	2518.50	-18.83	-28.70	10.70	20.57	H	33.00
2585.50	2600.50	-18.58	-28.60	10.70	20.72	H	33.00
2667.50	2682.50	-18.20	-28.60	10.70	21.10	H	33.00

LTE BAND CA_41C 16QAM 20MHz+20MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A g(dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarizatio n	Limit (dBm)
2506.00	2525.80	-18.85	-28.70	10.70	20.55	H	33.00
2583.10	2602.90	-18.60	-28.60	10.70	20.70	H	33.00
2660.20	2680.00	-18.22	-28.60	10.70	21.08	H	33.00

LTE BAND CA_41C 16QAM 15MHz+10MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A g(dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarizatio n	Limit (dBm)
2503.50	2515.50	-18.90	-28.70	10.70	20.50	H	33.00
2588.10	2600.10	-18.65	-28.60	10.70	20.65	H	33.00
2672.70	2684.70	-18.27	-28.60	10.70	21.03	H	33.00

LTE BAND CA_41C 16QAM 10MHz+15MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A g(dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarizatio n	Limit (dBm)
2501.30	2513.30	-18.93	-28.70	10.70	20.47	V	33.00
2585.90	2597.90	-18.68	-28.60	10.70	20.62	V	33.00
2670.50	2682.50	-18.30	-28.60	10.70	21.00	V	33.00

**LTE BAND CA_41C 64QAM 5MHz+20MHz**

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A _g (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2499.30	2511.00	-19.69	-28.70	10.70	19.71	V	33.00
2583.80	2595.50	-19.37	-28.60	10.70	19.93	V	33.00
2668.30	2680.00	-18.89	-28.50	10.70	20.31	V	33.00

LTE BAND CA_41C 64QAM 10MHz+20MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A _g (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2501.50	2515.90	-19.74	-28.70	10.70	19.66	V	33.00
2583.60	2598.00	-19.41	-28.60	10.70	19.89	V	33.00
2665.60	2680.00	-19.04	-28.60	10.70	20.26	V	33.00

LTE BAND CA_41C 64QAM 15MHz+20MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A _g (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2503.80	2520.90	-19.74	-28.70	10.70	19.66	H	33.00
2583.30	2600.40	-19.42	-28.60	10.70	19.88	H	33.00
2662.90	2680.00	-19.04	-28.60	10.70	20.26	H	33.00

LTE BAND CA_41C 64QAM 20MHz+5MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A _g (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2506.00	2517.70	-19.94	-28.70	10.70	19.46	H	33.00
2590.50	2602.20	-19.61	-28.60	10.70	19.69	H	33.00
2675.00	2686.70	-19.24	-28.60	10.70	20.06	H	33.00

LTE BAND CA_41C 64QAM 20MHz+10MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A _g (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2506.00	2520.40	-19.79	-28.70	10.70	19.61	H	33.00
2588.10	2602.50	-19.47	-28.60	10.70	19.83	H	33.00
2670.10	2684.50	-19.10	-28.60	10.70	20.20	H	33.00

LTE BAND CA_41C 64QAM 20MHz+15MHz



Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A g(dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarizatio n	Limit (dBm)
2506.00	2523.10	-18.91	-28.70	10.70	20.49	H	33.00
2585.60	2602.70	-19.54	-28.60	10.70	19.76	H	33.00
2665.10	2682.20	-19.21	-28.60	10.70	20.09	H	33.00

LTE BAND CA_41C 64QAM 15MHz+15MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A g(dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarizatio n	Limit (dBm)
2503.50	2518.50	-19.88	-28.70	10.70	19.52	H	33.00
2585.50	2600.50	-19.62	-28.60	10.70	19.68	H	33.00
2667.50	2682.50	-19.25	-28.60	10.70	20.05	H	33.00

LTE BAND CA_41C 64QAM 20MHz+20MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A g(dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarizatio n	Limit (dBm)
2506.00	2525.80	-19.90	-28.70	10.70	19.50	H	33.00
2583.10	2602.90	-19.65	-28.60	10.70	19.65	H	33.00
2660.20	2680.00	-19.27	-28.60	10.70	20.03	H	33.00

LTE BAND CA_41C 64QAM 15MHz+10MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A g(dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarizatio n	Limit (dBm)
2503.50	2515.50	-19.93	-28.70	10.70	19.47	H	33.00
2588.10	2600.10	-19.68	-28.60	10.70	19.62	H	33.00
2672.70	2684.70	-19.31	-28.60	10.70	19.99	H	33.00

LTE BAND CA_41C 64QAM 10MHz+15MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A g(dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarizatio n	Limit (dBm)
2501.30	2513.30	-19.98	-28.70	10.70	19.42	V	33.00
2585.90	2597.90	-19.73	-28.60	10.70	19.57	V	33.00
2670.50	2682.50	-19.35	-28.60	10.70	19.95	V	33.00

**Lower antenna****LTE Band 2- EIRP Part 24. 232(c)****Limits:** $\leq 33\text{dBm}$ (2W)**LTE BAND 2 QPSK-1.4MHz**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1850.70	-15.47	-29.30	8.10	21.93	H	33.00
1880.00	-15.27	-29.40	8.10	22.23	H	33.00
1909.30	-15.89	-29.30	8.10	21.51	H	33.00

LTE BAND 2 QPSK-3MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1851.50	-15.68	-29.30	8.10	21.72	H	33.00
1880.00	-15.45	-29.40	8.10	22.05	H	33.00
1908.50	-16.14	-29.30	8.10	21.26	H	33.00

LTE BAND 2 QPSK-5MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1852.50	-15.82	-29.30	8.10	21.58	H	33.00
1880.00	-15.57	-29.40	8.10	21.93	H	33.00
1907.50	-16.30	-29.30	8.10	21.10	H	33.00

LTE BAND 2 QPSK-10MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1855.00	-15.70	-29.30	8.10	21.70	H	33.00
1880.00	-15.53	-29.40	8.10	21.97	H	33.00
1905.00	-16.10	-29.30	8.10	21.30	H	33.00

LTE BAND 2 QPSK-15MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1857.50	-15.71	-29.30	8.10	21.69	H	33.00
1880.00	-15.59	-29.40	8.10	21.91	H	33.00
1902.50	-16.27	-29.30	8.10	21.12	H	33.00

LTE BAND 2 QPSK-20MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1860.00	-15.77	-29.30	8.10	21.63	H	33.00



1880.00	-15.69	-29.40	8.10	21.81	H	33.00
1900.00	-16.24	-29.30	8.10	21.16	H	33.00

LTE BAND 2 16QAM-1.4MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1850.70	-16.59	-29.30	8.10	20.81	H	33.00
1880.00	-16.37	-29.40	8.10	21.13	H	33.00
1909.30	-17.14	-29.30	8.10	20.26	H	33.00

LTE BAND 2 16QAM-3MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1851.50	-16.67	-29.30	8.10	20.73	H	33.00
1880.00	-16.57	-29.40	8.10	20.93	H	33.00
1908.50	-17.31	-29.30	8.10	20.09	H	33.00

LTE BAND 2 16QAM-5MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1852.50	-16.97	-29.30	8.10	20.43	H	33.00
1880.00	-16.75	-29.40	8.10	20.75	H	33.00
1907.50	-17.59	-29.30	8.10	19.81	H	33.00

LTE BAND 2 16QAM-10MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1855.00	-16.84	-29.30	8.10	20.56	H	33.00
1880.00	-16.67	-29.40	8.10	20.83	H	33.00
1905.00	-17.23	-29.30	8.10	20.17	H	33.00

LTE BAND 2 16QAM-15MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1857.50	-16.92	-29.30	8.10	20.48	H	33.00
1880.00	-16.80	-29.40	8.10	20.70	H	33.00
1902.50	-17.49	-29.30	8.10	19.91	H	33.00

LTE BAND 2 16QAM-20MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1860.00	-16.96	-29.30	8.10	20.44	H	33.00



1880.00	-16.94	-29.40	8.10	20.56	H	33.00
1900.00	-17.43	-29.30	8.10	19.96	H	33.00

LTE BAND 2 64QAM-1.4MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1850.70	-17.80	-29.30	8.10	19.59	H	33.00
1880.00	-17.47	-29.40	8.10	20.03	H	33.00
1909.30	-18.16	-29.30	8.10	19.24	H	33.00

LTE BAND 2 64QAM-3MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1851.50	-18.05	-29.30	8.10	19.35	H	33.00
1880.00	-17.95	-29.40	8.10	19.55	H	33.00
1908.50	-18.49	-29.30	8.10	18.91	H	33.00

LTE BAND 2 64QAM-5MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1852.50	-18.29	-29.30	8.10	19.11	H	33.00
1880.00	-18.07	-29.40	8.10	19.43	H	33.00
1907.50	-18.91	-29.30	8.10	18.49	H	33.00

LTE BAND 2 64QAM-10MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1855.00	-18.21	-29.30	8.10	19.19	H	33.00
1880.00	-18.04	-29.40	8.10	19.46	H	33.00
1905.00	-18.71	-29.30	8.10	18.69	H	33.00

LTE BAND 2 64QAM-15MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1857.50	-18.21	-29.30	8.10	19.19	H	33.00
1880.00	-18.09	-29.40	8.10	19.41	H	33.00
1902.50	-18.98	-29.30	8.10	18.42	H	33.00



LTE BAND 2 64QAM-20MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1860.00	-18.30	-29.30	8.10	19.10	H	33.00
1880.00	-18.28	-29.40	8.10	19.22	H	33.00
1900.00	-18.98	-29.30	8.10	18.42	H	33.00

**LTE Band 4- EIRP Part 27.50(d)(4)**Limits: $\leq 30\text{dBm}$ (1W)**LTE BAND 4 QPSK-1.4MHz**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1710.70	-15.69	-29.60	8.10	22.01	H	30.00
1732.50	-15.92	-29.60	8.10	21.78	H	30.00
1754.30	-15.14	-29.50	8.10	22.46	H	30.00

LTE BAND 4 QPSK-3MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1711.50	-15.90	-29.60	8.10	21.80	H	30.00
1732.50	-16.10	-29.60	8.10	21.60	H	30.00
1753.50	-15.39	-29.50	8.10	22.21	H	30.00

LTE BAND 4 QPSK-5MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1712.50	-16.04	-29.60	8.10	21.66	H	30.00
1732.50	-16.22	-29.60	8.10	21.48	H	30.00
1752.50	-15.55	-29.50	8.10	22.05	H	30.00

LTE BAND 4 QPSK-10MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1715.00	-16.12	-29.60	8.10	21.58	H	30.00
1732.50	-16.38	-29.60	8.10	21.32	H	30.00
1750.00	-15.65	-29.50	8.10	21.95	H	30.00

LTE BAND 4 QPSK-15MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1717.50	-16.23	-29.60	8.10	21.47	H	30.00
1732.50	-16.53	-29.60	8.10	21.17	H	30.00
1747.50	-15.73	-29.50	8.10	21.87	H	30.00

LTE BAND 4 QPSK-20MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1720.00	-16.39	-29.60	8.10	21.31	H	30.00



1732.50	-16.63	-29.60	8.10	21.07	H	30.00
1745.00	-15.89	-29.50	8.10	21.71	H	30.00

LTE BAND 4 16QAM-1.4MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1710.70	-16.81	-29.60	8.10	20.89	H	30.00
1732.50	-17.01	-29.60	8.10	20.69	H	30.00
1754.30	-16.39	-29.50	8.10	21.21	H	30.00

LTE BAND 4 16QAM-3MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1711.50	-16.89	-29.60	8.10	20.81	H	30.00
1732.50	-17.22	-29.60	8.10	20.48	H	30.00
1753.50	-16.57	-29.50	8.10	21.03	H	30.00

LTE BAND 4 16QAM-5MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1712.50	-17.19	-29.60	8.10	20.51	H	30.00
1732.50	-17.39	-29.60	8.10	20.31	H	30.00
1752.50	-16.84	-29.50	8.10	20.76	H	30.00

LTE BAND 4 16QAM-10MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1715.00	-17.26	-29.60	8.10	20.44	H	30.00
1732.50	-17.51	-29.60	8.10	20.19	H	30.00
1750.00	-16.79	-29.50	8.10	20.81	H	30.00

LTE BAND 4 16QAM-15MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1717.50	-17.44	-29.60	8.10	20.26	H	30.00
1732.50	-17.75	-29.60	8.10	19.95	H	30.00
1747.50	-16.94	-29.50	8.10	20.66	H	30.00

LTE BAND 4 16QAM-20MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1720.00	-17.58	-29.60	8.10	20.12	H	30.00



1732.50	-17.89	-29.60	8.10	19.81	H	30.00
1745.00	-17.09	-29.50	8.10	20.51	H	30.00

LTE BAND 4 64QAM-1.4MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1710.70	-18.03	-29.60	8.10	19.67	H	30.00
1732.50	-18.11	-29.60	8.10	19.59	H	30.00
1754.30	-17.41	-29.50	8.10	20.18	H	30.00

LTE BAND 4 64QAM-3MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1711.50	-18.27	-29.60	8.10	19.43	H	30.00
1732.50	-18.60	-29.60	8.10	19.10	H	30.00
1753.50	-17.74	-29.50	8.10	19.86	H	30.00

LTE BAND 4 64QAM-5MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1712.50	-18.51	-29.60	8.10	19.19	H	30.00
1732.50	-18.72	-29.60	8.10	18.98	H	30.00
1752.50	-18.16	-29.50	8.10	19.43	H	30.00

LTE BAND 4 64QAM-10MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1715.00	-18.63	-29.60	8.10	19.07	H	30.00
1732.50	-18.89	-29.60	8.10	18.81	H	30.00
1750.00	-18.26	-29.50	8.10	19.34	H	30.00

LTE BAND 4 64QAM-15MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1717.50	-18.73	-29.60	8.10	18.96	H	30.00
1732.50	-19.04	-29.60	8.10	18.66	H	30.00
1747.50	-18.43	-29.50	8.10	19.17	H	30.00



LTE BAND 4 64QAM-20MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1720.00	-18.93	-29.60	8.10	18.77	H	30.00
1732.50	-19.23	-29.60	8.10	18.47	H	30.00
1745.00	-18.63	-29.50	8.10	18.97	H	30.00

**LTE Band 5- ERP Part 22.913(a)****Limits:** $\leq 38.45\text{dBm}$ (7W)**LTE BAND 5 QPSK-1.4MHz**

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
824.70	-9.25	-33.60	-0.79	2.15	21.41	V	38.45
836.50	-9.26	-33.50	-0.74	2.15	21.35	V	38.45
848.30	-9.40	-33.50	-0.73	2.15	21.22	V	38.45

LTE BAND 5 QPSK-3MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
825.50	-9.37	-33.60	-0.84	2.15	21.24	V	38.45
836.50	-9.44	-33.50	-0.74	2.15	21.17	V	38.45
847.50	-9.61	-33.50	-0.73	2.15	21.01	V	38.45

LTE BAND 5 QPSK-5MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
826.50	-9.45	-33.60	-0.84	2.15	21.16	V	38.45
836.50	-9.55	-33.50	-0.74	2.15	21.06	V	38.45
846.50	-9.71	-33.50	-0.73	2.15	20.91	V	38.45

LTE BAND 5 QPSK-10MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
829.00	-9.53	-33.60	-0.84	2.15	21.08	V	38.45
836.50	-9.62	-33.50	-0.74	2.15	20.99	V	38.45
844.00	-9.76	-33.50	-0.78	2.15	20.81	V	38.45


LTE BAND 5 16QAM-1.4MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
824.70	-10.27	-33.60	-0.79	2.15	20.39	V	38.45
836.50	-10.28	-33.50	-0.74	2.15	20.34	V	38.45
848.30	-10.55	-33.50	-0.73	2.15	20.07	V	38.45

LTE BAND 5 16QAM-3MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
825.50	-10.36	-33.60	-0.84	2.15	20.25	V	38.45
836.50	-10.47	-33.50	-0.74	2.15	20.15	V	38.45
847.50	-10.68	-33.50	-0.73	2.15	19.93	V	38.45

LTE BAND 5 16QAM-5MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
826.50	-10.50	-33.60	-0.84	2.15	20.11	V	38.45
836.50	-10.63	-33.50	-0.74	2.15	19.99	V	38.45
846.50	-10.72	-33.50	-0.73	2.15	19.90	V	38.45

LTE BAND 5 16QAM-10MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
829.00	-10.57	-33.60	-0.84	2.15	20.04	V	38.45
836.50	-10.66	-33.50	-0.74	2.15	19.96	V	38.45
844.00	-10.79	-33.50	-0.78	2.15	19.77	V	38.45

**LTE BAND 5 64QAM-1.4MHz**

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
824.70	-11.28	-33.60	-0.79	2.15	19.37	V	38.45
836.50	-11.38	-33.50	-0.74	2.15	19.24	V	38.45
848.30	-11.57	-33.50	-0.73	2.15	19.05	V	38.45

LTE BAND 5 64QAM-3MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
825.50	-11.34	-33.60	-0.84	2.15	19.27	V	38.45
836.50	-11.47	-33.50	-0.74	2.15	19.14	V	38.45
847.50	-11.56	-33.50	-0.73	2.15	19.06	V	38.45

LTE BAND 5 64QAM-5MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
826.50	-11.52	-33.60	-0.84	2.15	19.09	V	38.45
836.50	-11.65	-33.50	-0.74	2.15	18.96	V	38.45
846.50	-11.64	-33.50	-0.73	2.15	18.98	V	38.45

LTE BAND 5 64QAM-10MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
829.00	-11.64	-33.60	-0.84	2.15	18.96	V	38.45
836.50	-11.73	-33.50	-0.74	2.15	18.88	V	38.45
844.00	-11.87	-33.50	-0.78	2.15	18.70	V	38.45

**LTE Band 7- EIRP Part 27.50(h)(2)****Limits:** ≤ 33 dBm (2W)**LTE BAND 7 QPSK-5MHz**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2502.50	-18.45	-28.70	10.70	20.95	H	33.00
2535.00	-18.55	-28.60	10.70	20.75	H	33.00
2567.50	-18.18	-28.60	10.70	21.12	H	33.00

LTE BAND 7 QPSK-10MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2505.00	-18.76	-28.70	10.70	20.64	H	33.00
2535.00	-18.77	-28.60	10.70	20.53	H	33.00
2565.00	-18.48	-28.60	10.70	20.82	H	33.00

LTE BAND 7 QPSK-15MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2507.50	-18.84	-28.70	10.70	20.56	H	33.00
2535.00	-18.96	-28.60	10.70	20.34	H	33.00
2562.50	-18.50	-28.60	10.70	20.80	H	33.00

LTE BAND 7 QPSK-20MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2510.00	-19.14	-28.70	10.70	20.26	H	33.00
2535.00	-19.11	-28.60	10.70	20.19	H	33.00
2560.00	-18.84	-28.60	10.70	20.46	H	33.00

**LTE BAND 7 16QAM-5MHz**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2502.50	-19.52	-28.70	10.70	19.88	H	33.00
2535.00	-19.69	-28.60	10.70	19.61	H	33.00
2567.50	-19.09	-28.60	10.70	20.21	H	33.00

LTE BAND 7 16QAM-10MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2505.00	-19.93	-28.70	10.70	19.47	H	33.00
2535.00	-20.00	-28.60	10.70	19.30	H	33.00
2565.00	-19.76	-28.60	10.70	19.54	H	33.00

LTE BAND 7 16QAM-15MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2507.50	-19.58	-28.70	10.70	19.82	H	33.00
2535.00	-19.85	-28.60	10.70	19.45	H	33.00
2562.50	-19.48	-28.60	10.70	19.82	H	33.00

LTE BAND 7 16QAM-20MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2510.00	-20.11	-28.70	10.70	19.29	H	33.00
2535.00	-20.16	-28.60	10.70	19.14	H	33.00
2560.00	-19.81	-28.60	10.70	19.49	H	33.00

**LTE BAND 7 64QAM-5MHz**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2502.50	-20.42	-28.70	10.70	18.98	H	33.00
2535.00	-20.60	-28.60	10.70	18.70	H	33.00
2567.50	-20.05	-28.60	10.70	19.25	H	33.00

LTE BAND 7 64QAM-10MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2505.00	-20.80	-28.70	10.70	18.60	H	33.00
2535.00	-20.91	-28.60	10.70	18.39	H	33.00
2565.00	-20.55	-28.60	10.70	18.75	H	33.00

LTE BAND 7 64QAM-15MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2507.50	-20.68	-28.70	10.70	18.72	H	33.00
2535.00	-20.82	-28.60	10.70	18.48	H	33.00
2562.50	-20.43	-28.60	10.70	18.87	H	33.00

LTE BAND 7 64QAM-20MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2510.00	-21.00	-28.70	10.70	18.40	H	33.00
2535.00	-20.86	-28.60	10.70	18.44	H	33.00
2560.00	-20.62	-28.60	10.70	18.68	H	33.00


LTE Band 12 - ERP Part 27.50(c)(10)
Limits: $\leq 34.77\text{dBm}$ (3W)

LTE BAND 12 QPSK-1.4MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP (dBm)	Polarization	Limit (dBm)
699.70	-11.62	-34.80	-0.93	2.15	20.10	V	34.77
707.50	-11.26	-34.70	-0.91	2.15	20.38	V	34.77
715.30	-11.62	-34.70	-0.68	2.15	20.25	V	34.77

LTE BAND 12 QPSK-3MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP (dBm)	Polarization	Limit (dBm)
700.50	-11.76	-34.80	-0.97	2.15	19.93	V	34.77
707.50	-11.44	-34.70	-0.91	2.15	20.20	V	34.77
714.50	-11.86	-34.70	-0.64	2.15	20.04	V	34.77

LTE BAND 12 QPSK-5MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP (dBm)	Polarization	Limit (dBm)
701.50	-11.83	-34.80	-0.97	2.15	19.85	V	34.77
707.50	-11.55	-34.70	-0.91	2.15	20.09	V	34.77
713.50	-11.97	-34.70	-0.64	2.15	19.94	V	34.77

LTE BAND 12 QPSK-10MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP (dBm)	Polarization	Limit (dBm)
704.00	-11.92	-34.80	-0.97	2.15	19.77	V	34.77
707.50	-11.62	-34.70	-0.91	2.15	20.02	V	34.77
711.00	-12.07	-34.70	-0.64	2.15	19.84	V	34.77

**LTE BAND 12 16QAM-1.4MHz**

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
699.70	-12.64	-34.80	-0.93	2.15	19.08	V	34.77
707.50	-12.28	-34.70	-0.91	2.15	19.37	V	34.77
715.30	-12.77	-34.70	-0.68	2.15	19.10	V	34.77

LTE BAND 12 16QAM-3MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
700.50	-12.74	-34.80	-0.97	2.15	18.94	V	34.77
707.50	-12.47	-34.70	-0.91	2.15	19.18	V	34.77
714.50	-12.94	-34.70	-0.64	2.15	18.96	V	34.77

LTE BAND 12 16QAM-5MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
701.50	-12.88	-34.80	-0.97	2.15	18.80	V	34.77
707.50	-12.63	-34.70	-0.91	2.15	19.02	V	34.77
713.50	-12.97	-34.70	-0.64	2.15	18.93	V	34.77

LTE BAND 12 16QAM-10MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
704.00	-12.95	-34.80	-0.97	2.15	18.73	V	34.77
707.50	-12.66	-34.70	-0.91	2.15	18.99	V	34.77
711.00	-13.10	-34.70	-0.64	2.15	18.80	V	34.77

**LTE BAND 12 64QAM-1.4MHz**

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
699.70	-13.66	-34.80	-0.93	2.15	18.06	V	34.77
707.50	-13.38	-34.70	-0.91	2.15	18.27	V	34.77
715.30	-13.79	-34.70	-0.68	2.15	18.07	V	34.77

LTE BAND 12 64QAM-3MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
700.50	-13.72	-34.80	-0.97	2.15	17.96	V	34.77
707.50	-13.47	-34.70	-0.91	2.15	18.17	V	34.77
714.50	-13.82	-34.70	-0.64	2.15	18.09	V	34.77

LTE BAND 12 64QAM-5MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
701.50	-13.91	-34.80	-0.97	2.15	17.77	V	34.77
707.50	-13.65	-34.70	-0.91	2.15	17.99	V	34.77
713.50	-13.90	-34.70	-0.64	2.15	18.00	V	34.77

LTE BAND 12 64QAM-10MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
704.00	-14.03	-34.80	-0.97	2.15	17.66	V	34.77
707.50	-13.73	-34.70	-0.91	2.15	17.91	V	34.77
711.00	-14.18	-34.70	-0.64	2.15	17.73	V	34.77

**LTE Band 13- ERP Part 27.50(b)(10)****Limits:** $\leq 34.77\text{dBm}$ (3W)**LTE BAND 13 QPSK-5MHz**

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
779.50	-11.58	-34.00	-0.08	2.15	20.19	V	34.77
782.00	-11.45	-34.00	-0.13	2.15	20.27	V	34.77
784.50	-11.15	-34.00	-0.13	2.15	20.57	V	34.77

LTE BAND 13 QPSK-10MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
782.00	-11.86	-34.00	-0.13	2.15	19.86	V	34.77

LTE BAND 13 16QAM-5MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
779.50	-12.67	-34.00	-0.08	2.15	19.10	V	34.77
782.00	-12.64	-34.00	-0.13	2.15	19.08	V	34.77
784.50	-12.29	-34.00	-0.13	2.15	19.43	V	34.77

LTE BAND 13 16QAM-10MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
782.00	-12.73	-34.00	-0.13	2.15	18.99	V	34.77

LTE BAND 13 64QAM-5MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
779.50	-13.54	-34.00	-0.08	2.15	18.23	V	34.77
782.00	-13.51	-34.00	-0.13	2.15	18.21	V	34.77
784.50	-13.16	-34.00	-0.13	2.15	18.56	V	34.77



No.25T04N000127-003-RF LTE

LTE BAND 13 64QAM-10MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction(dB)	ERP (dBm)	Polarization	Limit (dBm)
782.00	-13.62	-34.00	-0.13	2.15	18.10	V	34.77


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

LTE BAND 17 QPSK-5MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction(dB)	ERP(dBm)	Polarization	Limit(dBm)
706.50	-11.29	-34.70	-0.91	2.15	20.35	V	34.77
710.00	-11.48	-34.70	-0.64	2.15	20.43	V	34.77
713.50	-11.72	-34.70	-0.64	2.15	20.19	V	34.77

LTE BAND 17 QPSK-10MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction(dB)	ERP(dBm)	Polarization	Limit(dBm)
709.00	-11.47	-34.70	-0.91	2.15	20.18	V	34.77
710.00	-11.65	-34.70	-0.64	2.15	20.25	V	34.77
711.00	-11.92	-34.70	-0.64	2.15	19.98	V	34.77

LTE BAND 17 16QAM-5MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction(dB)	ERP(dBm)	Polarization	Limit(dBm)
706.50	-12.31	-34.70	-0.91	2.15	19.33	V	34.77
710.00	-12.49	-34.70	-0.64	2.15	19.42	V	34.77
713.50	-12.87	-34.70	-0.64	2.15	19.04	V	34.77

LTE BAND 17 16QAM-10MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction(dB)	ERP(dBm)	Polarization	Limit(dBm)
709.00	-12.45	-34.70	-0.91	2.15	19.19	V	34.77
710.00	-12.68	-34.70	-0.64	2.15	19.23	V	34.77
711.00	-13.00	-34.70	-0.64	2.15	18.90	V	34.77

LTE BAND 17 64QAM-5MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction(dB)	ERP(dBm)	Polarization	Limit(dBm)
706.50	-13.33	-34.70	-0.91	2.15	18.31	V	34.77
710.00	-13.59	-34.70	-0.64	2.15	18.32	V	34.77
713.50	-13.89	-34.70	-0.64	2.15	18.02	V	34.77

**LTE BAND 17 64QAM-10MHz**

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
709.00	-13.43	-34.70	-0.91	2.15	18.21	V	34.77
710.00	-13.69	-34.70	-0.64	2.15	18.22	V	34.77
711.00	-13.88	-34.70	-0.64	2.15	18.03	V	34.77

**LTE Band 26(824MHz-849MHz)- ERP Part 22.913(a)****Limits:** $\leq 38.45\text{dBm}$ (7W)**LTE BAND 26 QPSK-1.4MHz**

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
824.70	-9.68	-33.60	-0.79	2.15	20.98	H	38.45
836.50	-9.39	-33.50	-0.74	2.15	21.23	H	38.45
848.30	-9.59	-33.50	-0.73	2.15	21.03	H	38.45

LTE BAND 26 QPSK-3MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
825.50	-9.85	-33.60	-0.79	2.15	20.81	H	38.45
836.50	-9.57	-33.50	-0.74	2.15	21.05	H	38.45
847.50	-9.80	-33.50	-0.73	2.15	20.82	H	38.45

LTE BAND 26 QPSK-5MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
826.50	-9.93	-33.60	-0.79	2.15	20.73	H	38.45
836.50	-9.68	-33.50	-0.74	2.15	20.94	H	38.45
846.50	-9.90	-33.50	-0.73	2.15	20.71	H	38.45

LTE BAND 26 QPSK-10MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
829.00	-10.01	-33.60	-0.79	2.15	20.65	H	38.45
836.50	-9.75	-33.50	-0.74	2.15	20.87	H	38.45
844.00	-10.00	-33.50	-0.73	2.15	20.61	H	38.45

LTE BAND 26 QPSK-15MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
831.50	-10.12	-33.60	-0.79	2.15	20.54	H	38.45
836.50	-9.82	-33.50	-0.74	2.15	20.79	H	38.45
841.50	-10.08	-33.50	-0.73	2.15	20.54	H	38.45

**LTE BAND 26 16QAM-1.4MHz**

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
824.70	-10.70	-33.60	-0.79	2.15	19.96	H	38.45
836.50	-10.40	-33.50	-0.74	2.15	20.21	H	38.45
848.30	-10.75	-33.50	-0.73	2.15	19.87	H	38.45

LTE BAND 26 16QAM-3MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
825.50	-10.84	-33.60	-0.79	2.15	19.82	H	38.45
836.50	-10.59	-33.50	-0.74	2.15	20.02	H	38.45
847.50	-10.88	-33.50	-0.73	2.15	19.74	H	38.45

LTE BAND 26 16QAM-5MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
826.50	-10.97	-33.60	-0.79	2.15	19.68	H	38.45
836.50	-10.75	-33.50	-0.74	2.15	19.86	H	38.45
846.50	-10.91	-33.50	-0.73	2.15	19.71	H	38.45

LTE BAND 26 16QAM-10MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
829.00	-11.04	-33.60	-0.79	2.15	19.61	H	38.45
836.50	-10.78	-33.50	-0.74	2.15	19.83	H	38.45
844.00	-11.04	-33.50	-0.73	2.15	19.58	H	38.45

LTE BAND 26 16QAM-15MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
831.50	-11.23	-33.60	-0.79	2.15	19.43	H	38.45
836.50	-10.93	-33.50	-0.74	2.15	19.68	H	38.45
841.50	-11.19	-33.50	-0.73	2.15	19.43	H	38.45

**LTE BAND 26 64QAM-1.4MHz**

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
824.70	-11.71	-33.60	-0.79	2.15	18.94	H	38.45
836.50	-11.50	-33.50	-0.74	2.15	19.11	H	38.45
848.30	-11.77	-33.50	-0.73	2.15	18.85	H	38.45

LTE BAND 26 64QAM-3MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
825.50	-11.82	-33.60	-0.79	2.15	18.84	H	38.45
836.50	-11.60	-33.50	-0.74	2.15	19.02	H	38.45
847.50	-11.76	-33.50	-0.73	2.15	18.86	H	38.45

LTE BAND 26 64QAM-5MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
826.50	-12.00	-33.60	-0.79	2.15	18.66	H	38.45
836.50	-11.78	-33.50	-0.74	2.15	18.83	H	38.45
846.50	-11.84	-33.50	-0.73	2.15	18.78	H	38.45

LTE BAND 26 64QAM-10MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
829.00	-12.12	-33.60	-0.79	2.15	18.54	H	38.45
836.50	-11.86	-33.50	-0.74	2.15	18.75	H	38.45
844.00	-12.11	-33.50	-0.73	2.15	18.50	H	38.45

LTE BAND 26 64QAM-15MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
831.50	-12.23	-33.60	-0.79	2.15	18.42	H	38.45
836.50	-11.94	-33.50	-0.74	2.15	18.68	H	38.45
841.50	-12.20	-33.50	-0.73	2.15	18.42	H	38.45


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

LTE BAND 26 QPSK-1.4MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP (dBm)	Polarization	Limit (dBm)
814.70	-10.16	-33.70	-0.80	2.15	20.59	H	50.00
819.00	-10.25	-33.60	-0.75	2.15	20.45	H	50.00
823.30	-9.80	-33.60	-0.79	2.15	20.86	H	50.00

LTE BAND 26 QPSK-3MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP (dBm)	Polarization	Limit (dBm)
815.50	-10.33	-33.70	-0.80	2.15	20.42	H	50.00
819.00	-10.43	-33.60	-0.75	2.15	20.27	H	50.00
822.50	-10.01	-33.60	-0.79	2.15	20.65	H	50.00

LTE BAND 26 QPSK-5MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP (dBm)	Polarization	Limit (dBm)
816.50	-10.41	-33.70	-0.80	2.15	20.34	H	50.00
819.00	-10.54	-33.60	-0.75	2.15	20.16	H	50.00
821.50	-10.11	-33.60	-0.79	2.15	20.55	H	50.00

LTE BAND 26 QPSK-10MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP (dBm)	Polarization	Limit (dBm)
819.00	-10.39	-33.60	-0.80	2.15	20.26	H	50.00
819.00	-10.61	-33.60	-0.75	2.15	20.09	H	50.00
819.00	-10.21	-33.60	-0.79	2.15	20.44	H	50.00

**LTE BAND 26 16QAM-1.4MHz**

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
814.70	-11.18	-33.70	-0.80	2.15	19.57	H	50.00
819.00	-11.27	-33.60	-0.75	2.15	19.44	H	50.00
823.30	-10.95	-33.60	-0.79	2.15	19.70	H	50.00

LTE BAND 26 16QAM-3MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
815.50	-11.32	-33.70	-0.80	2.15	19.43	H	50.00
819.00	-11.46	-33.60	-0.75	2.15	19.25	H	50.00
822.50	-11.09	-33.60	-0.79	2.15	19.57	H	50.00

LTE BAND 26 16QAM-5MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
816.50	-11.46	-33.70	-0.80	2.15	19.29	H	50.00
819.00	-11.62	-33.60	-0.75	2.15	19.09	H	50.00
821.50	-11.12	-33.60	-0.79	2.15	19.54	H	50.00

LTE BAND 26 16QAM-10MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
819.00	-11.43	-33.60	-0.80	2.15	19.22	H	50.00
819.00	-11.65	-33.60	-0.75	2.15	19.06	H	50.00
819.00	-11.25	-33.60	-0.79	2.15	19.41	H	50.00

**LTE BAND 26 64QAM-1.4MHz**

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
814.70	-12.20	-33.70	-0.80	2.15	18.55	H	50.00
819.00	-12.37	-33.60	-0.75	2.15	18.34	H	50.00
823.30	-11.98	-33.60	-0.79	2.15	18.68	H	50.00

LTE BAND 26 64QAM-3MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
815.50	-12.30	-33.70	-0.80	2.15	18.45	H	50.00
819.00	-12.46	-33.60	-0.75	2.15	18.24	H	50.00
822.50	-11.96	-33.60	-0.79	2.15	18.69	H	50.00

LTE BAND 26 64QAM-5MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
816.50	-12.48	-33.70	-0.80	2.15	18.27	H	50.00
819.00	-12.64	-33.60	-0.75	2.15	18.06	H	50.00
821.50	-12.05	-33.60	-0.79	2.15	18.61	H	50.00

LTE BAND 26 64QAM-10MHz

Frequenc y(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correctio n(dB)	ERP (dBm)	Polarizati on	Limit (dBm)
819.00	-12.50	-33.60	-0.80	2.15	18.14	H	50.00
819.00	-12.72	-33.60	-0.75	2.15	17.98	H	50.00
819.00	-12.32	-33.60	-0.79	2.15	18.33	H	50.00

**LTE Band 38 - EIRP Part 27.50(h)(2)**Limits: $\leq 33\text{dBm}$ (2W)**LTE BAND 38 QPSK-5MHz**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2572.50	-17.34	-28.60	10.70	21.96	H	33.00
2595.00	-18.02	-28.60	10.70	21.28	H	33.00
2617.50	-17.19	-28.60	10.70	22.11	H	33.00

LTE BAND 38 QPSK-10MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2575.00	-17.65	-28.60	10.70	21.65	H	33.00
2595.00	-18.29	-28.60	10.70	21.01	H	33.00
2615.00	-17.49	-28.60	10.70	21.81	H	33.00

LTE BAND 38 QPSK-15MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2577.50	-17.75	-28.60	10.70	21.55	H	33.00
2595.00	-18.47	-28.60	10.70	20.83	H	33.00
2612.50	-17.68	-28.60	10.70	21.62	H	33.00

LTE BAND 38 QPSK-20MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2580.00	-18.03	-28.60	10.70	21.27	H	33.00
2595.00	-18.68	-28.60	10.70	20.62	H	33.00
2610.00	-17.95	-28.60	10.70	21.35	H	33.00

**LTE BAND 38 16QAM-5MHz**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2572.50	-18.41	-28.60	10.70	20.89	H	33.00
2595.00	-19.16	-28.60	10.70	20.14	H	33.00
2617.50	-18.10	-28.60	10.70	21.20	H	33.00

LTE BAND 38 16QAM-10MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2575.00	-18.82	-28.60	10.70	20.48	H	33.00
2595.00	-19.52	-28.60	10.70	19.78	H	33.00
2615.00	-18.77	-28.60	10.70	20.53	H	33.00

LTE BAND 38 16QAM-15MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2577.50	-18.49	-28.60	10.70	20.81	H	33.00
2595.00	-19.36	-28.60	10.70	19.94	H	33.00
2612.50	-18.66	-28.60	10.70	20.64	H	33.00

LTE BAND 38 16QAM-20MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2580.00	-19.00	-28.60	10.70	20.30	H	33.00
2595.00	-20.13	-28.60	10.70	19.17	H	33.00
2610.00	-18.82	-28.60	10.70	20.48	H	33.00

**LTE BAND 38 64QAM-5MHz**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2572.50	-19.31	-28.60	10.70	19.99	H	33.00
2595.00	-20.07	-28.60	10.70	19.23	H	33.00
2617.50	-19.06	-28.60	10.70	20.24	H	33.00

LTE BAND 38 64QAM-10MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2575.00	-19.69	-28.60	10.70	19.61	H	33.00
2595.00	-20.43	-28.60	10.70	18.87	H	33.00
2615.00	-19.56	-28.60	10.70	19.74	H	33.00

LTE BAND 38 64QAM-15MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2577.50	-19.59	-28.60	10.70	19.71	H	33.00
2595.00	-20.53	-28.60	10.70	18.77	H	33.00
2612.50	-19.91	-28.60	10.70	19.39	H	33.00

LTE BAND 38 64QAM-20MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2580.00	-19.89	-28.60	10.70	19.41	H	33.00
2595.00	-21.03	-28.60	10.70	18.27	H	33.00
2610.00	-19.63	-28.60	10.70	19.67	H	33.00

**LTE Band 41- EIRP Part 27.50(d)(2)**Limits: $\leq 33\text{dBm}$ (2W)**LTE BAND 41 QPSK-5MHz**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2498.50	-18.23	-28.70	10.70	21.16	H	33.00
2593.00	-17.63	-28.60	10.70	21.67	H	33.00
2687.50	-16.75	-28.50	10.70	22.45	H	33.00

LTE BAND 41 QPSK-10MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2501.00	-18.51	-28.70	10.70	20.89	H	33.00
2593.00	-17.84	-28.60	10.70	21.46	H	33.00
2685.00	-17.07	-28.50	10.70	22.13	H	33.00

LTE BAND 41 QPSK-15MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2503.50	-18.62	-28.70	10.70	20.77	H	33.00
2593.00	-18.14	-28.60	10.70	21.16	H	33.00
2682.50	-17.19	-28.50	10.70	22.01	H	33.00

LTE BAND 41 QPSK-20MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2506.00	-18.91	-28.70	10.70	20.50	H	33.00
2593.00	-18.39	-28.60	10.70	20.91	H	33.00
2680.00	-17.46	-28.50	10.70	21.74	H	33.00

**LTE BAND 41 16QAM-5MHz**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2498.50	-19.41	-28.70	10.70	20.00	H	33.00
2593.00	-18.70	-28.60	10.70	20.60	H	33.00
2687.50	-17.72	-28.50	10.70	21.48	H	33.00

LTE BAND 41 16QAM-10MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2501.00	-19.80	-28.70	10.70	19.60	H	33.00
2593.00	-19.03	-28.60	10.70	20.27	H	33.00
2685.00	-18.28	-28.50	10.70	20.92	H	33.00

LTE BAND 41 16QAM-15MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2503.50	-19.61	-28.70	10.70	19.79	H	33.00
2593.00	-19.10	-28.60	10.70	20.20	H	33.00
2682.50	-18.12	-28.50	10.70	21.08	H	33.00

LTE BAND 41 16QAM-20MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2506.00	-20.02	-28.70	10.70	19.39	H	33.00
2593.00	-19.40	-28.60	10.70	19.90	H	33.00
2680.00	-18.65	-28.50	10.70	20.55	H	33.00

**LTE BAND 41 64QAM-5MHz**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2498.50	-20.33	-28.70	10.70	19.07	H	33.00
2593.00	-19.70	-28.60	10.70	19.60	H	33.00
2687.50	-18.63	-28.50	10.70	20.57	H	33.00

LTE BAND 41 64QAM-10MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2501.00	-20.57	-28.70	10.70	18.83	H	33.00
2593.00	-20.00	-28.60	10.70	19.30	H	33.00
2685.00	-19.23	-28.50	10.70	19.97	H	33.00

LTE BAND 41 64QAM-15MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2503.50	-20.71	-28.70	10.70	18.68	H	33.00
2593.00	-20.31	-28.60	10.70	18.99	H	33.00
2682.50	-19.47	-28.50	10.70	19.73	H	33.00

LTE BAND 41 64QAM-20MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2506.00	-20.93	-28.70	10.70	18.48	H	33.00
2593.00	-20.39	-28.60	10.70	18.91	H	33.00
2680.00	-19.49	-28.50	10.70	19.71	H	33.00

**LTE Band 66- EIRP Part 27.50(d)(4)**Limits: $\leq 30\text{dBm}$ (1W)**LTE BAND 66 QPSK-1.4MHz**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1710.70	-15.46	-29.60	8.10	22.24	H	30.00
1745.00	-15.32	-29.50	8.10	22.28	H	30.00
1779.30	-16.34	-29.50	8.10	21.26	H	30.00

LTE BAND 66 QPSK-3MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1711.50	-15.68	-29.60	8.10	22.02	H	30.00
1745.00	-15.50	-29.50	8.10	22.10	H	30.00
1778.50	-16.59	-29.50	8.10	21.01	H	30.00

LTE BAND 66 QPSK-5MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1712.50	-15.81	-29.60	8.10	21.89	H	30.00
1745.00	-15.62	-29.50	8.10	21.98	H	30.00
1777.50	-16.75	-29.50	8.10	20.85	H	30.00

LTE BAND 66 QPSK-10MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1715.00	-15.90	-29.60	8.10	21.80	H	30.00
1745.00	-15.78	-29.50	8.10	21.82	H	30.00
1775.00	-16.86	-29.50	8.10	20.75	H	30.00

LTE BAND 66 QPSK-15MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1717.50	-16.00	-29.60	8.10	21.70	H	30.00
1745.00	-15.93	-29.50	8.10	21.67	H	30.00
1772.53	-16.93	-29.50	8.10	20.67	H	30.00

LTE BAND 66 QPSK-20MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1720.00	-16.16	-29.60	8.10	21.54	H	30.00



1745.00	-16.04	-29.50	8.10	21.57	H	30.00
1770.00	-17.10	-29.50	8.10	20.50	H	30.00

LTE BAND 66 16QAM-1.4MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1710.70	-16.48	-29.60	8.10	21.22	H	30.00
1745.00	-16.41	-29.50	8.10	21.19	H	30.00
1779.30	-17.40	-29.50	8.10	20.20	H	30.00

LTE BAND 66 16QAM-3MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1711.50	-16.56	-29.60	8.10	21.14	H	30.00
1745.00	-16.52	-29.50	8.10	21.08	H	30.00
1778.50	-17.67	-29.50	8.10	19.93	H	30.00

LTE BAND 66 16QAM-5MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1712.50	-16.86	-29.60	8.10	20.84	H	30.00
1745.00	-16.70	-29.50	8.10	20.91	H	30.00
1777.50	-17.84	-29.50	8.10	19.76	H	30.00

LTE BAND 66 16QAM-10MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1715.00	-16.93	-29.60	8.10	20.77	H	30.00
1745.00	-16.81	-29.50	8.10	20.79	H	30.00
1775.00	-17.89	-29.50	8.10	19.71	H	30.00

LTE BAND 66 16QAM-15MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1717.50	-17.01	-29.60	8.10	20.69	H	30.00
1745.00	-16.95	-29.50	8.10	20.65	H	30.00
1772.53	-17.94	-29.50	8.10	19.66	H	30.00

LTE BAND 66 16QAM-20MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1720.00	-17.25	-29.60	8.10	20.45	H	30.00



1745.00	-17.09	-29.50	8.10	20.51	H	30.00
1770.00	-17.11	-29.50	8.10	20.49	H	30.00

LTE BAND 66 64QAM-1.4MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1710.70	-17.30	-29.60	8.10	20.40	H	30.00
1745.00	-17.31	-29.50	8.10	20.29	H	30.00
1779.30	-18.22	-29.50	8.10	19.38	H	30.00

LTE BAND 66 64QAM-3MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1711.50	-17.44	-29.60	8.10	20.26	H	30.00
1745.00	-17.40	-29.50	8.10	20.20	H	30.00
1778.50	-18.55	-29.50	8.10	19.05	H	30.00

LTE BAND 66 64QAM-5MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1712.50	-17.59	-29.60	8.10	20.11	H	30.00
1745.00	-17.42	-29.50	8.10	20.18	H	30.00
1777.50	-18.57	-29.50	8.10	19.03	H	30.00

LTE BAND 66 64QAM-10MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1715.00	-17.81	-29.60	8.10	19.89	H	30.00
1745.00	-17.69	-29.50	8.10	19.91	H	30.00
1775.00	-18.79	-29.50	8.10	18.81	H	30.00

LTE BAND 66 64QAM-15MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1717.50	-17.82	-29.60	8.10	19.88	H	30.00
1745.00	-17.75	-29.50	8.10	19.85	H	30.00
1772.53	-18.75	-29.50	8.10	18.85	H	30.00



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LTE BAND 66 64QAM-20MHz

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
1720.00	-18.00	-29.60	8.10	19.70	H	30.00
1745.00	-17.93	-29.50	8.10	19.67	H	30.00
1770.00	-18.93	-29.50	8.10	18.67	H	30.00

**LTE CA_7C - EIRP Part 27.50(h)(2)****Limits:** ≤33 dBm (2W)**LTE BAND CA_7C QPSK 10MHz+20MHz**

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A _g (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2505.50	2519.90	-19.72	-28.70	10.70	19.68	V	33.00
2525.60	2540.00	-19.72	-28.60	10.70	19.58	V	33.00
2545.60	2560.00	-19.63	-28.60	10.70	19.67	V	33.00

LTE BAND CA_7C QPSK 20MHz+10MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A _g (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2510.00	2524.40	-19.75	-28.70	10.70	19.65	H	33.00
2530.10	2544.50	-19.76	-28.60	10.70	19.54	H	33.00
2550.10	2564.50	-19.66	-28.60	10.70	19.64	H	33.00

LTE BAND CA_7C QPSK 20MHz+15MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A _g (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2510.00	2527.10	-19.78	-28.70	10.70	19.62	H	33.00
2527.60	2544.70	-19.79	-28.60	10.70	19.51	H	33.00
2545.10	2562.20	-19.69	-28.60	10.70	19.61	H	33.00

LTE BAND CA_7C QPSK 20MHz+20MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A _g (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2510.00	2529.80	-19.79	-28.70	10.70	19.61	H	33.00
2525.10	2544.90	-19.80	-28.60	10.70	19.50	H	33.00
2540.20	2560.00	-19.70	-28.60	10.70	19.60	H	33.00

LTE BAND CA_7C QPSK 15MHz+10MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A _g (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2507.50	2519.50	-19.83	-28.70	10.70	19.57	H	33.00
2530.10	2542.10	-19.83	-28.60	10.70	19.47	H	33.00
2552.70	2564.70	-19.74	-28.60	10.70	19.56	H	33.00

**LTE BAND CA_7C QPSK 15MHz+15MHz**

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A g(dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarizatio n	Limit (dBm)
2507.50	2522.50	-19.83	-28.70	10.70	19.57	H	33.00
2527.50	2542.50	-19.83	-28.60	10.70	19.47	H	33.00
2547.50	2562.50	-19.73	-28.60	10.70	19.57	H	33.00

LTE BAND CA_7C QPSK 15MHz+20MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A g(dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarizatio n	Limit (dBm)
2507.80	2425.90	-19.88	-28.70	10.70	19.52	H	33.00
2525.30	2542.40	-19.89	-28.60	10.70	19.41	H	33.00
2542.90	2560.00	-19.79	-28.60	10.70	19.51	H	33.00

LTE BAND CA_7C 16QAM 10MHz+20MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A g(dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarizatio n	Limit (dBm)
2505.50	2519.90	-20.83	-28.70	10.70	18.57	V	33.00
2525.60	2540.00	-20.83	-28.60	10.70	18.47	V	33.00
2545.60	2560.00	-20.74	-28.60	10.70	18.56	V	33.00

LTE BAND CA_7C 16QAM 20MHz+10MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A g(dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarizatio n	Limit (dBm)
2510.00	2524.40	-20.82	-28.70	10.70	18.58	H	33.00
2530.10	2544.50	-20.83	-28.60	10.70	18.47	H	33.00
2550.10	2564.50	-20.73	-28.60	10.70	18.57	H	33.00

LTE BAND CA_7C 16QAM 20MHz+15MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A g(dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarizatio n	Limit (dBm)
2510.00	2527.10	-20.85	-28.70	10.70	18.55	H	33.00
2527.60	2544.70	-20.85	-28.60	10.70	18.45	H	33.00
2545.10	2562.20	-20.75	-28.60	10.70	18.55	H	33.00

LTE BAND CA_7C 16QAM 20MHz+20MHz



Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A g(dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarizatio n	Limit (dBm)
2510.00	2529.80	-20.85	-28.70	10.70	18.55	H	33.00
2525.10	2544.90	-20.86	-28.60	10.70	18.44	H	33.00
2540.20	2560.00	-20.76	-28.60	10.70	18.54	H	33.00

LTE BAND CA_7C 16QAM 15MHz+10MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A g(dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarizatio n	Limit (dBm)
2507.50	2519.50	-20.88	-28.70	10.70	18.52	H	33.00
2530.10	2542.10	-20.89	-28.60	10.70	18.41	H	33.00
2552.70	2564.70	-20.79	-28.60	10.70	18.51	H	33.00

LTE BAND CA_7C 16QAM 15MHz+15MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A g(dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarizatio n	Limit (dBm)
2507.50	2522.50	-20.85	-28.70	10.70	18.55	H	33.00
2527.50	2542.50	-20.85	-28.60	10.70	18.45	H	33.00
2547.50	2562.50	-20.75	-28.60	10.70	18.55	H	33.00

LTE BAND CA_7C 16QAM 15MHz+20MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A g(dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarizatio n	Limit (dBm)
2507.80	2425.90	-20.92	-28.70	10.70	18.48	H	33.00
2525.30	2542.40	-20.93	-28.60	10.70	18.37	H	33.00
2542.90	2560.00	-20.83	-28.60	10.70	18.47	H	33.00

LTE BAND CA_7C 64QAM 10MHz+20MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A g(dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarizatio n	Limit (dBm)
2505.50	2519.90	-21.88	-28.70	10.70	17.52	V	33.00
2525.60	2540.00	-21.88	-28.60	10.70	17.42	V	33.00
2545.60	2560.00	-21.79	-28.60	10.70	17.51	V	33.00

LTE BAND CA_7C 64QAM 20MHz+10MHz



Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A g(dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarizatio n	Limit (dBm)
2510.00	2524.40	-21.90	-28.70	10.70	17.50	H	33.00
2530.10	2544.50	-21.90	-28.60	10.70	17.40	H	33.00
2550.10	2564.50	-21.80	-28.60	10.70	17.50	H	33.00

LTE BAND CA_7C 64QAM 20MHz+15MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A g(dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarizatio n	Limit (dBm)
2510.00	2527.10	-21.99	-28.70	10.70	17.41	H	33.00
2527.60	2544.70	-22.00	-28.60	10.70	17.30	H	33.00
2545.10	2562.20	-21.90	-28.60	10.70	17.40	H	33.00

LTE BAND CA_7C 64QAM 20MHz+20MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A g(dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarizatio n	Limit (dBm)
2510.00	2529.80	-21.92	-28.70	10.70	17.48	H	33.00
2525.10	2544.90	-21.92	-28.60	10.70	17.38	H	33.00
2540.20	2560.00	-21.82	-28.60	10.70	17.48	H	33.00

LTE BAND CA_7C 64QAM 15MHz+10MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A g(dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarizatio n	Limit (dBm)
2507.50	2519.50	-21.94	-28.70	10.70	17.46	H	33.00
2530.10	2542.10	-21.94	-28.60	10.70	17.36	H	33.00
2552.70	2564.70	-21.85	-28.60	10.70	17.45	H	33.00

LTE BAND CA_7C 64QAM 15MHz+15MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A g(dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarizatio n	Limit (dBm)
2507.50	2522.50	-21.87	-28.70	10.70	17.53	H	33.00
2527.50	2542.50	-21.87	-28.60	10.70	17.43	H	33.00
2547.50	2562.50	-21.78	-28.60	10.70	17.52	H	33.00

**LTE BAND CA_7C 64QAM 15MHz+20MHz**

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A g(dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarizatio n	Limit (dBm)
2507.80	2425.90	-21.96	-28.70	10.70	17.44	H	33.00
2525.30	2542.40	-21.97	-28.60	10.70	17.33	H	33.00
2542.90	2560.00	-21.87	-28.60	10.70	17.43	H	33.00

**LTE CA_38C - EIRP Part 27.50(h)(2)****Limits:** ≤33dBm (2W)**LTE BAND CA_38C QPSK 15MHz+15MHz**

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A _g (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2577.50	2592.50	-19.68	-28.70	10.70	19.72	V	33.00
2587.50	2602.50	-19.57	-28.60	10.70	19.73	V	33.00
2597.50	2612.50	-19.59	-28.50	10.70	19.61	V	33.00

LTE BAND CA_38C QPSK 20MHz+20MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A _g (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2580.00	2599.80	-19.82	-28.70	10.70	19.58	V	33.00
2585.10	2604.90	-19.71	-28.60	10.70	19.59	V	33.00
2590.20	2610.00	-19.83	-28.60	10.70	19.47	V	33.00

LTE BAND CA_38C 16QAM 15MHz+15MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A _g (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2577.50	2592.50	-20.73	-28.70	10.70	18.67	V	33.00
2587.50	2602.50	-20.62	-28.60	10.70	18.68	V	33.00
2597.50	2612.50	-20.64	-28.50	10.70	18.56	V	33.00

LTE BAND CA_38C 16QAM 20MHz+20MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A _g (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2580.00	2599.80	-20.90	-28.70	10.70	18.50	V	33.00
2585.10	2604.90	-20.79	-28.60	10.70	18.51	V	33.00
2590.20	2610.00	-20.91	-28.60	10.70	18.39	V	33.00

LTE BAND CA_38C 64QAM 15MHz+15MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A _g (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2577.50	2592.50	-21.87	-28.70	10.70	17.53	V	33.00
2587.50	2602.50	-21.76	-28.60	10.70	17.54	V	33.00
2597.50	2612.50	-21.78	-28.50	10.70	17.42	V	33.00

**LTE BAND CA_38C 64QAM 20MHz+20MHz**

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A g(dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarizatio n	Limit (dBm)
2580.00	2599.80	-22.08	-28.70	10.70	17.32	V	33.00
2585.10	2604.90	-21.97	-28.60	10.70	17.33	V	33.00
2590.20	2610.00	-22.09	-28.60	10.70	17.21	V	33.00

**LTE CA_41C- EIRP Part 27.50(d)(2)****Limits:** ≤33dBm (2W)**LTE BAND CA_41C QPSK 5MHz+20MHz**

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _{A_g} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2499.30	2511.00	-18.95	-28.70	10.70	20.45	V	33.00
2583.80	2595.50	-18.96	-28.60	10.70	20.34	V	33.00
2668.30	2680.00	-19.20	-28.50	10.70	20.00	V	33.00

LTE BAND CA_41C QPSK 10MHz+20MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _{A_g} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2501.50	2515.90	-18.98	-28.70	10.70	20.42	V	33.00
2583.60	2598.00	-18.99	-28.60	10.70	20.31	V	33.00
2665.60	2680.00	-19.33	-28.60	10.70	19.97	V	33.00

LTE BAND CA_41C QPSK 15MHz+20MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _{A_g} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2503.80	2520.90	-18.97	-28.70	10.70	20.43	H	33.00
2583.30	2600.40	-18.98	-28.60	10.70	20.32	H	33.00
2662.90	2680.00	-19.32	-28.60	10.70	19.98	H	33.00

LTE BAND CA_41C QPSK 20MHz+5MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _{A_g} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2506.00	2517.70	-19.09	-28.70	10.70	20.31	H	33.00
2590.50	2602.20	-19.10	-28.60	10.70	20.20	H	33.00
2675.00	2686.70	-19.44	-28.60	10.70	19.86	H	33.00

LTE BAND CA_41C QPSK 20MHz+10MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _{A_g} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2506.00	2520.40	-19.05	-28.70	10.70	20.35	H	33.00
2588.10	2602.50	-19.07	-28.60	10.70	20.23	H	33.00
2670.10	2684.50	-19.41	-28.60	10.70	19.89	H	33.00

**LTE BAND CA_41C QPSK 20MHz+15MHz**

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A g(dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarizatio n	Limit (dBm)
2506.00	2523.10	-19.07	-28.70	10.70	20.33	H	33.00
2585.60	2602.70	-19.09	-28.60	10.70	20.21	H	33.00
2665.10	2682.20	-19.43	-28.60	10.70	19.87	H	33.00

LTE BAND CA_41C QPSK 15MHz+15MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A g(dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarizatio n	Limit (dBm)
2503.50	2518.50	-19.13	-28.70	10.70	20.27	H	33.00
2585.50	2600.50	-19.25	-28.60	10.70	20.05	H	33.00
2667.50	2682.50	-19.58	-28.60	10.70	19.72	H	33.00

LTE BAND CA_41C QPSK 20MHz+20MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A g(dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarizatio n	Limit (dBm)
2506.00	2525.80	-19.14	-28.70	10.70	20.26	H	33.00
2583.10	2602.90	-19.26	-28.60	10.70	20.04	H	33.00
2660.20	2680.00	-19.60	-28.60	10.70	19.70	H	33.00

LTE BAND CA_41C QPSK 15MHz+10MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A g(dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarizatio n	Limit (dBm)
2503.50	2515.50	-19.19	-28.70	10.70	20.21	H	33.00
2588.10	2600.10	-19.32	-28.60	10.70	19.98	H	33.00
2672.70	2684.70	-19.65	-28.60	10.70	19.65	H	33.00

LTE BAND CA_41C QPSK 10MHz+15MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A g(dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarizatio n	Limit (dBm)
2501.30	2513.30	-19.21	-28.70	10.70	20.19	V	33.00
2585.90	2597.90	-19.33	-28.60	10.70	19.97	V	33.00
2670.50	2682.50	-19.67	-28.60	10.70	19.63	V	33.00

**LTE BAND CA_41C 16QAM 5MHz+20MHz**

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A _g (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2499.30	2511.00	-19.99	-28.70	10.70	19.41	V	33.00
2583.80	2595.50	-20.01	-28.60	10.70	19.29	V	33.00
2668.30	2680.00	-20.24	-28.50	10.70	18.96	V	33.00

LTE BAND CA_41C 16QAM 10MHz+20MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A _g (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2501.50	2515.90	-20.02	-28.70	10.70	19.38	V	33.00
2583.60	2598.00	-20.03	-28.60	10.70	19.27	V	33.00
2665.60	2680.00	-20.37	-28.60	10.70	18.93	V	33.00

LTE BAND CA_41C 16QAM 15MHz+20MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A _g (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2503.80	2520.90	-20.03	-28.70	10.70	19.37	H	33.00
2583.30	2600.40	-20.04	-28.60	10.70	19.26	H	33.00
2662.90	2680.00	-20.38	-28.60	10.70	18.92	H	33.00

LTE BAND CA_41C 16QAM 20MHz+5MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A _g (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2506.00	2517.70	-20.18	-28.70	10.70	19.22	H	33.00
2590.50	2602.20	-20.19	-28.60	10.70	19.11	H	33.00
2675.00	2686.70	-20.53	-28.60	10.70	18.77	H	33.00

LTE BAND CA_41C 16QAM 20MHz+10MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A _g (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2506.00	2520.40	-20.09	-28.70	10.70	19.31	H	33.00
2588.10	2602.50	-20.11	-28.60	10.70	19.19	H	33.00
2670.10	2684.50	-20.45	-28.60	10.70	18.85	H	33.00

LTE BAND CA_41C 16QAM 20MHz+15MHz



Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A g(dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarizatio n	Limit (dBm)
2506.00	2523.10	-20.20	-28.70	10.70	19.20	H	33.00
2585.60	2602.70	-20.22	-28.60	10.70	19.08	H	33.00
2665.10	2682.20	-20.55	-28.60	10.70	18.75	H	33.00

LTE BAND CA_41C 16QAM 15MHz+15MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A g(dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarizatio n	Limit (dBm)
2503.50	2518.50	-20.17	-28.70	10.70	19.23	H	33.00
2585.50	2600.50	-20.29	-28.60	10.70	19.01	H	33.00
2667.50	2682.50	-20.63	-28.60	10.70	18.67	H	33.00

LTE BAND CA_41C 16QAM 20MHz+20MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A g(dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarizatio n	Limit (dBm)
2506.00	2525.80	-20.18	-28.70	10.70	19.22	H	33.00
2583.10	2602.90	-20.31	-28.60	10.70	18.99	H	33.00
2660.20	2680.00	-20.64	-28.60	10.70	18.66	H	33.00

LTE BAND CA_41C 16QAM 15MHz+10MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A g(dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarizatio n	Limit (dBm)
2503.50	2515.50	-20.23	-28.70	10.70	19.17	H	33.00
2588.10	2600.10	-20.36	-28.60	10.70	18.94	H	33.00
2672.70	2684.70	-20.69	-28.60	10.70	18.61	H	33.00

LTE BAND CA_41C 16QAM 10MHz+15MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _A g(dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarizatio n	Limit (dBm)
2501.30	2513.30	-20.26	-28.70	10.70	19.14	V	33.00
2585.90	2597.90	-20.38	-28.60	10.70	18.92	V	33.00
2670.50	2682.50	-20.72	-28.60	10.70	18.58	V	33.00

**LTE BAND CA_41C 64QAM 5MHz+20MHz**

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _{A_g} (dB)	G _a Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2499.30	2511.00	-21.04	-28.70	10.70	18.36	V	33.00
2583.80	2595.50	-21.05	-28.60	10.70	18.25	V	33.00
2668.30	2680.00	-21.29	-28.50	10.70	17.91	V	33.00

LTE BAND CA_41C 64QAM 10MHz+20MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _{A_g} (dB)	G _a Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2501.50	2515.90	-21.07	-28.70	10.70	18.33	V	33.00
2583.60	2598.00	-21.08	-28.60	10.70	18.22	V	33.00
2665.60	2680.00	-21.42	-28.60	10.70	17.88	V	33.00

LTE BAND CA_41C 64QAM 15MHz+20MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _{A_g} (dB)	G _a Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2503.80	2520.90	-21.08	-28.70	10.70	18.32	H	33.00
2583.30	2600.40	-21.10	-28.60	10.70	18.20	H	33.00
2662.90	2680.00	-21.44	-28.60	10.70	17.86	H	33.00

LTE BAND CA_41C 64QAM 20MHz+5MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _{A_g} (dB)	G _a Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2506.00	2517.70	-21.27	-28.70	10.70	18.13	H	33.00
2590.50	2602.20	-21.28	-28.60	10.70	18.02	H	33.00
2675.00	2686.70	-21.62	-28.60	10.70	17.68	H	33.00

LTE BAND CA_41C 64QAM 20MHz+10MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _{A_g} (dB)	G _a Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2506.00	2520.40	-21.13	-28.70	10.70	18.27	H	33.00
2588.10	2602.50	-21.15	-28.60	10.70	18.15	H	33.00
2670.10	2684.50	-21.48	-28.60	10.70	17.82	H	33.00

LTE BAND CA_41C 64QAM 20MHz+15MHz



Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _{A_g} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2506.00	2523.10	-20.32	-28.70	10.70	19.08	H	33.00
2585.60	2602.70	-21.26	-28.60	10.70	18.04	H	33.00
2665.10	2682.20	-21.67	-28.60	10.70	17.63	H	33.00

LTE BAND CA_41C 64QAM 15MHz+15MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _{A_g} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2503.50	2518.50	-21.21	-28.70	10.70	18.19	H	33.00
2585.50	2600.50	-21.34	-28.60	10.70	17.96	H	33.00
2667.50	2682.50	-21.67	-28.60	10.70	17.63	H	33.00

LTE BAND CA_41C 64QAM 20MHz+20MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _{A_g} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2506.00	2525.80	-21.23	-28.70	10.70	18.17	H	33.00
2583.10	2602.90	-21.35	-28.60	10.70	17.95	H	33.00
2660.20	2680.00	-21.69	-28.60	10.70	17.61	H	33.00

LTE BAND CA_41C 64QAM 15MHz+10MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _{A_g} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2503.50	2515.50	-21.27	-28.70	10.70	18.13	H	33.00
2588.10	2600.10	-21.39	-28.60	10.70	17.91	H	33.00
2672.70	2684.70	-21.73	-28.60	10.70	17.57	H	33.00

LTE BAND CA_41C 64QAM 10MHz+15MHz

Frequency (MHz)	Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)+P _{A_g} (dB)	Ga Antenna Gain(dBi)	EIRP (dBm)	Polarization	Limit (dBm)
2501.30	2513.30	-21.30	-28.70	10.70	18.10	V	33.00
2585.90	2597.90	-21.43	-28.60	10.70	17.87	V	33.00
2670.50	2682.50	-21.76	-28.60	10.70	17.54	V	33.00

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.



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Note: The maximum value of expanded measurement uncertainty for this test item is $U = 2.87\text{dB}(30\text{MHz}-3\text{GHz})/3.35\text{dB}(3\text{GHz}-18\text{GHz})/2.68\text{dB}(18\text{GHz}-40\text{GHz})$, $k = 2$

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.

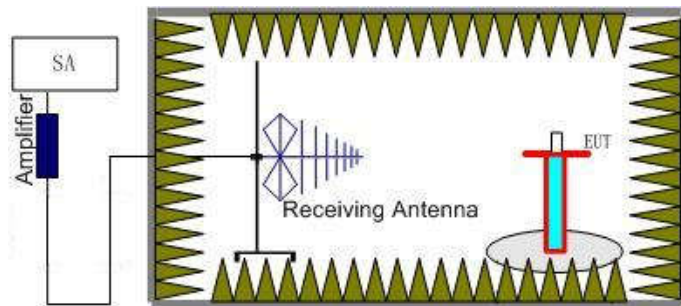
A.2.1 Measurement Method

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

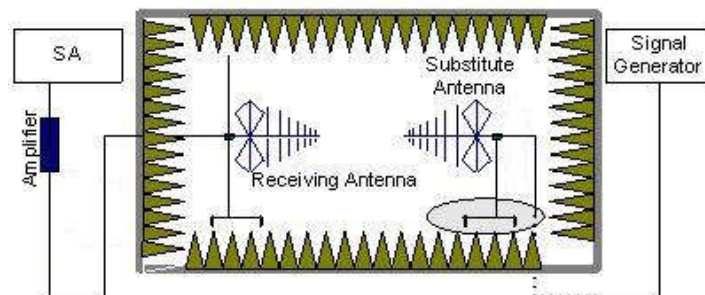
The spectrum was scanned from 30 MHz to the 10th harmonic of the highest frequency generated within the equipment, which is the transmitted carrier. The resolution bandwidth is set 1MHz as outlined in Part 22.917, 24.238, 27.53(h) and 90.691. The spectrum was scanned with the mobile station transmitting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

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 substitute 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. 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 test LTE Bands. 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 test LTE Bands. into any of the other blocks. The equipment must still, however, meet emissions requirements with the carrier at all frequencies over which it is capable of operating and it is the manufacturer's responsibility to verify this.
Only worst case result is given below.

**Upper antenna****LTE BAND 2 18607 QPSK**

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16992.50	-45.52	2.90	16.50	-31.92	-13.00	H
17189.00	-42.92	2.90	14.50	-31.32	-13.00	H
17282.00	-43.08	3.20	14.50	-31.78	-13.00	H
17415.00	-42.29	2.90	14.50	-30.69	-13.00	H
17617.50	-39.69	3.30	12.80	-30.19	-13.00	H
17753.00	-40.17	3.60	12.80	-30.97	-13.00	H

LTE BAND 2 18900 QPSK

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16957.50	-44.31	2.90	16.50	-30.71	-13.00	H
17185.00	-43.34	2.90	14.50	-31.74	-13.00	H
17323.00	-41.55	3.20	14.50	-30.25	-13.00	H
17452.00	-40.89	2.90	14.50	-29.29	-13.00	H
17593.00	-39.36	3.30	12.80	-29.86	-13.00	H
17831.00	-39.33	3.60	12.80	-30.13	-13.00	H

LTE BAND 2 19193 QPSK

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16945.00	-45.63	2.90	16.50	-32.03	-13.00	H
17105.50	-43.91	2.90	14.50	-32.31	-13.00	H
17240.50	-43.43	3.20	14.50	-32.13	-13.00	H
17432.00	-41.37	2.90	14.50	-29.77	-13.00	H
17611.00	-39.46	3.30	12.80	-29.96	-13.00	H
17812.00	-40.45	3.60	12.80	-31.25	-13.00	H

**LTE BAND 2 18607 16QAM**

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16960.00	-45.11	2.90	16.50	-31.51	-13.00	H
17191.00	-44.04	2.90	14.50	-32.44	-13.00	H
17295.50	-42.29	3.20	14.50	-30.99	-13.00	H
17518.00	-40.04	2.90	12.80	-30.14	-13.00	H
17579.50	-38.59	3.30	12.80	-29.09	-13.00	H
17826.50	-39.93	3.60	12.80	-30.73	-13.00	H

LTE BAND 2 18900 16QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16980.00	-45.01	2.90	16.50	-31.41	-13.00	H
17114.00	-43.00	2.90	14.50	-31.40	-13.00	H
17341.50	-43.45	3.20	14.50	-32.15	-13.00	H
17522.00	-40.59	2.90	12.80	-30.69	-13.00	H
17585.50	-38.78	3.30	12.80	-29.28	-13.00	H
17743.50	-40.10	3.60	12.80	-30.90	-13.00	H

LTE BAND 2 19193 16QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16956.50	-44.85	2.90	16.50	-31.25	-13.00	H
17208.00	-44.14	2.90	14.50	-32.54	-13.00	H
17283.50	-43.08	3.20	14.50	-31.78	-13.00	H
17507.50	-39.50	2.90	12.80	-29.60	-13.00	H
17599.00	-39.52	3.30	12.80	-30.02	-13.00	H
17700.00	-39.93	3.30	12.80	-30.43	-13.00	H

**LTE BAND 2 18607 64QAM**

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
17004.50	-43.19	2.90	14.50	-31.59	-13.00	H
17100.00	-44.03	2.90	14.50	-32.43	-13.00	H
17263.00	-42.47	3.20	14.50	-31.17	-13.00	H
17462.50	-41.46	2.90	14.50	-29.86	-13.00	H
17626.50	-39.71	3.30	12.80	-30.21	-13.00	H
17770.50	-39.77	3.60	12.80	-30.57	-13.00	H

LTE BAND 2 18900 64QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16981.00	-45.57	2.90	16.50	-31.97	-13.00	H
17169.50	-43.01	2.90	14.50	-31.41	-13.00	H
17307.50	-43.32	3.20	14.50	-32.02	-13.00	H
17523.00	-39.11	2.90	12.80	-29.21	-13.00	H
17608.00	-40.03	3.30	12.80	-30.53	-13.00	H
17771.00	-40.18	3.60	12.80	-30.98	-13.00	H

LTE BAND 2 19193 64QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
17000.00	-43.14	2.90	14.50	-31.54	-13.00	H
17194.00	-43.95	2.90	14.50	-32.35	-13.00	H
17262.00	-42.95	3.20	14.50	-31.65	-13.00	H
17498.00	-42.23	2.90	14.50	-30.63	-13.00	H
17667.00	-39.61	3.30	12.80	-30.11	-13.00	H
17822.00	-40.47	3.60	12.80	-31.27	-13.00	H

**LTE BAND 4 19957 QPSK**

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16963.00	-45.66	2.90	16.50	-32.06	-13.00	H
17160.00	-44.22	2.90	14.50	-32.62	-13.00	H
17366.50	-43.20	3.20	14.50	-31.90	-13.00	H
17523.00	-39.88	2.90	12.80	-29.98	-13.00	H
17597.00	-39.39	3.30	12.80	-29.89	-13.00	H
17804.50	-38.08	3.60	12.80	-28.88	-13.00	H

LTE BAND 4 20175 QPSK

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16943.00	-45.81	2.90	16.50	-32.21	-13.00	H
17190.50	-43.82	2.90	14.50	-32.22	-13.00	H
17366.50	-43.22	3.20	14.50	-31.92	-13.00	H
17514.50	-40.23	2.90	12.80	-30.33	-13.00	H
17626.50	-39.95	3.30	12.80	-30.45	-13.00	H
17822.50	-40.38	3.60	12.80	-31.18	-13.00	H

LTE BAND 4 20393 QPSK

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16477.00	-46.67	2.70	17.40	-31.97	-13.00	H
16965.00	-45.14	2.90	16.50	-31.54	-13.00	H
17276.50	-43.07	3.20	14.50	-31.77	-13.00	H
17453.00	-41.90	2.90	14.50	-30.30	-13.00	H
17629.50	-39.96	3.30	12.80	-30.46	-13.00	H
17837.00	-39.94	3.60	12.80	-30.74	-13.00	H

LTE BAND 4 19957 16QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16934.50	-45.49	2.90	16.50	-31.89	-13.00	H
17132.50	-43.44	2.90	14.50	-31.84	-13.00	H
17287.50	-43.21	3.20	14.50	-31.91	-13.00	H
17459.50	-41.65	2.90	14.50	-30.05	-13.00	H
17572.50	-39.31	3.30	12.80	-29.81	-13.00	H
17770.50	-38.71	3.60	12.80	-29.51	-13.00	H

LTE BAND 4 20175 16QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16955.00	-45.33	2.90	16.50	-31.73	-13.00	H
17192.50	-43.19	2.90	14.50	-31.59	-13.00	H
17290.00	-43.30	3.20	14.50	-32.00	-13.00	H
17454.50	-41.85	2.90	14.50	-30.25	-13.00	H
17620.50	-39.03	3.30	12.80	-29.53	-13.00	H
17700.00	-40.48	3.30	12.80	-30.98	-13.00	H

LTE BAND 4 20393 16QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16958.00	-45.04	2.90	16.50	-31.44	-13.00	H
17189.00	-44.21	2.90	14.50	-32.61	-13.00	H
17285.50	-43.21	3.20	14.50	-31.91	-13.00	H
17404.50	-41.74	2.90	14.50	-30.14	-13.00	H
17622.00	-38.86	3.30	12.80	-29.36	-13.00	H
17765.50	-40.05	3.60	12.80	-30.85	-13.00	H

LTE BAND 4 19957 64QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16931.50	-45.57	2.90	16.50	-31.97	-13.00	H
17198.00	-43.29	2.90	14.50	-31.69	-13.00	H
17239.00	-43.34	3.20	14.50	-32.04	-13.00	H
17508.00	-40.45	2.90	12.80	-30.55	-13.00	H
17596.50	-39.34	3.30	12.80	-29.84	-13.00	H
17821.50	-39.85	3.60	12.80	-30.65	-13.00	H

LTE BAND 4 20175 64QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16953.50	-45.33	2.90	16.50	-31.73	-13.00	H
17210.00	-44.23	2.90	14.50	-32.63	-13.00	H
17296.50	-44.01	3.20	14.50	-32.71	-13.00	H
17450.00	-41.91	2.90	14.50	-30.31	-13.00	H
17579.50	-39.13	3.30	12.80	-29.63	-13.00	H
17789.00	-40.32	3.60	12.80	-31.12	-13.00	H

LTE BAND 4 20393 64QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16938.50	-45.70	2.90	16.50	-32.10	-13.00	H
17165.50	-43.92	2.90	14.50	-32.32	-13.00	H
17338.00	-43.13	3.20	14.50	-31.83	-13.00	H
17450.00	-42.22	2.90	14.50	-30.62	-13.00	H
17585.00	-39.35	3.30	12.80	-29.85	-13.00	H
17819.50	-40.44	3.60	12.80	-31.24	-13.00	H

**LTE BAND 5 20407 QPSK**

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarization
8773.50	-52.71	1.90	12.00	-44.76	-13.00	H
9095.75	-51.86	2.20	11.60	-44.61	-13.00	H
9172.25	-51.44	2.10	11.60	-44.09	-13.00	H
9222.50	-50.28	2.10	11.60	-42.93	-13.00	H
9297.00	-50.48	2.00	11.60	-43.03	-13.00	H
9476.00	-51.10	2.10	11.60	-43.75	-13.00	V

LTE BAND 5 20525 QPSK

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarization
9092.00	-52.37	2.20	11.60	-45.12	-13.00	H
9119.25	-51.88	2.10	11.60	-44.53	-13.00	V
9228.00	-51.97	2.10	11.60	-44.62	-13.00	H
9298.75	-51.90	2.00	11.60	-44.45	-13.00	H
9368.25	-51.67	2.00	11.60	-44.22	-13.00	V
9473.75	-51.78	2.10	11.60	-44.43	-13.00	V

LTE BAND 5 20643 QPSK

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarization
8385.00	-52.14	1.80	11.30	-44.79	-13.00	H
9093.50	-51.60	2.20	11.60	-44.35	-13.00	H
9157.75	-51.60	2.10	11.60	-44.25	-13.00	H
9221.50	-51.54	2.10	11.60	-44.19	-13.00	H
9301.50	-51.15	2.00	11.60	-43.70	-13.00	H
9475.50	-51.83	2.10	11.60	-44.48	-13.00	V

**LTE BAND 5 20407 16QAM**

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarization
9096.00	-51.21	2.20	11.60	-43.96	-13.00	H
9151.50	-52.10	2.10	11.60	-44.75	-13.00	H
9223.75	-51.08	2.10	11.60	-43.73	-13.00	H
9298.25	-50.10	2.00	11.60	-42.65	-13.00	H
9367.75	-52.02	2.00	11.60	-44.57	-13.00	V
9469.00	-52.13	2.10	11.60	-44.78	-13.00	V

LTE BAND 5 20525 16QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarization
8467.75	-52.53	1.80	11.30	-45.18	-13.00	V
9227.50	-51.05	2.10	11.60	-43.70	-13.00	H
9298.75	-51.57	2.00	11.60	-44.12	-13.00	H
9425.25	-52.32	2.10	11.60	-44.97	-13.00	H
9466.50	-51.83	2.10	11.60	-44.48	-13.00	V
9674.00	-51.90	2.20	11.20	-45.05	-13.00	H

LTE BAND 5 20643 16QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarization
8758.75	-52.80	1.90	12.00	-44.85	-13.00	H
9147.25	-52.04	2.10	11.60	-44.69	-13.00	H
9228.25	-51.30	2.10	11.60	-43.95	-13.00	H
9298.75	-50.41	2.00	11.60	-42.96	-13.00	H
9362.75	-52.29	2.00	11.60	-44.84	-13.00	V
9476.25	-51.30	2.10	11.60	-43.95	-13.00	V

LTE BAND 5 20407 64QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
9101.25	-51.09	2.20	11.60	-43.84	-13.00	H
9224.25	-51.12	2.10	11.60	-43.77	-13.00	H
9304.75	-51.36	2.00	11.60	-43.91	-13.00	H
9472.00	-51.58	2.10	11.60	-44.23	-13.00	V
9717.25	-51.30	2.20	11.20	-44.45	-13.00	H
9799.00	-51.41	2.30	11.20	-44.66	-13.00	H

LTE BAND 5 20525 64QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
9173.25	-52.04	2.10	11.60	-44.69	-13.00	V
9214.50	-51.46	2.10	11.60	-44.11	-13.00	H
9299.75	-51.18	2.00	11.60	-43.73	-13.00	H
9394.00	-52.57	2.10	11.60	-45.22	-13.00	V
9476.25	-51.32	2.10	11.60	-43.97	-13.00	V
9711.50	-52.15	2.20	11.20	-45.30	-13.00	H

LTE BAND 5 20643 64QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
8748.50	-52.87	2.00	12.00	-45.02	-13.00	V
9095.25	-52.39	2.20	11.60	-45.14	-13.00	H
9104.00	-52.27	2.20	11.60	-45.02	-13.00	H
9223.00	-51.83	2.10	11.60	-44.48	-13.00	H
9299.25	-51.26	2.00	11.60	-43.81	-13.00	H
9422.00	-51.40	2.10	11.60	-44.05	-13.00	H

LTE BAND 7 20775 QPSK

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16987.50	-54.72	2.90	16.50	-41.12	-25.00	H
17211.50	-53.56	2.90	14.50	-41.96	-25.00	H
17339.00	-52.85	3.20	14.50	-41.55	-25.00	H
17453.00	-51.37	2.90	14.50	-39.77	-25.00	H
17566.00	-49.39	3.30	12.80	-39.89	-25.00	H
17837.00	-49.50	3.60	12.80	-40.30	-25.00	H

LTE BAND 7 21100 QPSK

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16997.50	-54.37	2.90	16.50	-40.77	-25.00	H
17207.00	-53.69	2.90	14.50	-42.09	-25.00	H
17293.00	-52.70	3.20	14.50	-41.40	-25.00	H
17461.00	-51.36	2.90	14.50	-39.76	-25.00	H
17532.50	-49.53	2.90	12.80	-39.63	-25.00	H
17839.00	-49.51	3.60	12.80	-40.31	-25.00	H

LTE BAND 7 21425 QPSK

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16983.00	-54.95	2.90	16.50	-41.35	-25.00	H
17139.00	-53.64	2.90	14.50	-42.04	-25.00	H
17304.00	-52.93	3.20	14.50	-41.63	-25.00	H
17449.50	-51.54	2.90	14.50	-39.94	-25.00	H
17573.00	-49.43	3.30	12.80	-39.93	-25.00	H
17839.00	-49.65	3.60	12.80	-40.45	-25.00	H

**LTE BAND 7 20775 16QAM**

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16983.50	-54.34	2.90	16.50	-40.74	-25.00	H
17206.50	-53.69	2.90	14.50	-42.09	-25.00	H
17364.50	-53.02	3.20	14.50	-41.72	-25.00	H
17512.50	-49.73	2.90	12.80	-39.83	-25.00	H
17622.00	-48.54	3.30	12.80	-39.04	-25.00	H
17838.50	-49.32	3.60	12.80	-40.12	-25.00	H

LTE BAND 7 21100 16QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16951.00	-54.89	2.90	16.50	-41.29	-25.00	H
17096.50	-53.63	2.90	14.50	-42.03	-25.00	H
17231.00	-52.88	3.20	14.50	-41.58	-25.00	H
17503.50	-49.53	2.90	12.80	-39.63	-25.00	H
17618.50	-49.21	3.30	12.80	-39.71	-25.00	H
17840.00	-49.40	3.60	12.80	-40.20	-25.00	H

LTE BAND 7 21425 16QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16962.00	-55.04	2.90	16.50	-41.44	-25.00	H
17187.00	-53.58	2.90	14.50	-41.98	-25.00	H
17355.50	-53.03	3.20	14.50	-41.73	-25.00	H
17508.00	-49.80	2.90	12.80	-39.90	-25.00	H
17614.50	-49.44	3.30	12.80	-39.94	-25.00	H
17840.00	-49.86	3.60	12.80	-40.66	-25.00	H

LTE BAND 7 20775 64QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarizatio n
16983.50	-54.64	2.90	16.50	-41.04	-25.00	H
17193.00	-53.42	2.90	14.50	-41.82	-25.00	H
17299.00	-53.03	3.20	14.50	-41.73	-25.00	H
17452.00	-51.26	2.90	14.50	-39.66	-25.00	H
17578.50	-49.06	3.30	12.80	-39.56	-25.00	H
17839.00	-49.48	3.60	12.80	-40.28	-25.00	H

LTE BAND 7 21100 64QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarizatio n
16955.50	-54.54	2.90	16.50	-40.94	-25.00	H
17184.50	-53.69	2.90	14.50	-42.09	-25.00	H
17295.00	-52.51	3.20	14.50	-41.21	-25.00	H
17520.00	-49.49	2.90	12.80	-39.59	-25.00	H
17612.50	-49.27	3.30	12.80	-39.77	-25.00	H
17776.00	-49.65	3.60	12.80	-40.45	-25.00	H

LTE BAND 7 21425 64QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarizatio n
16977.50	-54.83	2.90	16.50	-41.23	-25.00	H
17118.50	-53.70	2.90	14.50	-42.10	-25.00	H
17230.00	-52.79	3.20	14.50	-41.49	-25.00	H
17456.50	-51.55	2.90	14.50	-39.95	-25.00	H
17597.50	-48.94	3.30	12.80	-39.44	-25.00	H
17835.50	-49.59	3.60	12.80	-40.39	-25.00	H

LTE BAND 12 23017 QPSK

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarization
8425.75	-52.51	1.80	11.30	-45.16	-13.00	H
9100.25	-51.38	2.20	11.60	-44.13	-13.00	H
9155.50	-51.03	2.10	11.60	-43.68	-13.00	H
9300.25	-50.41	2.00	11.60	-42.96	-13.00	H
9422.25	-51.68	2.10	11.60	-44.33	-13.00	H
9481.75	-51.15	2.10	11.60	-43.80	-13.00	V

LTE BAND 12 23095 QPSK

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarization
8463.00	-51.91	1.80	11.30	-44.56	-13.00	H
9105.50	-52.26	2.20	11.60	-45.01	-13.00	H
9225.25	-51.23	2.10	11.60	-43.88	-13.00	H
9300.00	-51.20	2.00	11.60	-43.75	-13.00	H
9366.25	-52.36	2.00	11.60	-44.91	-13.00	V
9474.25	-51.32	2.10	11.60	-43.97	-13.00	V

LTE BAND 12 23173 QPSK

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarization
2145.00	-47.68	0.90	9.80	-40.93	-13.00	V
9101.00	-51.73	2.20	11.60	-44.48	-13.00	H
9223.00	-51.86	2.10	11.60	-44.51	-13.00	H
9298.75	-50.89	2.00	11.60	-43.44	-13.00	H
9421.50	-52.26	2.10	11.60	-44.91	-13.00	H
9471.75	-51.89	2.10	11.60	-44.54	-13.00	V

**LTE BAND 12 23017 16QAM**

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
7327.25	-53.03	1.70	12.00	-44.88	-13.00	H
9225.75	-50.82	2.10	11.60	-43.47	-13.00	H
9298.00	-51.53	2.00	11.60	-44.08	-13.00	H
9369.75	-52.15	2.00	11.60	-44.70	-13.00	V
9474.25	-51.85	2.10	11.60	-44.50	-13.00	V
9734.25	-51.63	2.20	11.20	-44.78	-13.00	H

LTE BAND 12 23095 16QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
7320.25	-52.90	1.70	12.00	-44.75	-13.00	H
8428.00	-51.78	1.80	11.30	-44.43	-13.00	H
9228.00	-51.17	2.10	11.60	-43.82	-13.00	H
9295.00	-50.89	2.00	11.60	-43.44	-13.00	H
9471.75	-51.40	2.10	11.60	-44.05	-13.00	V
9723.50	-51.15	2.20	11.20	-44.30	-13.00	H

LTE BAND 12 23173 16QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
2144.58	-47.87	0.90	9.80	-41.12	-13.00	V
8396.75	-51.23	1.80	11.30	-43.88	-13.00	V
8432.00	-51.68	1.80	11.30	-44.33	-13.00	H
9223.00	-51.31	2.10	11.60	-43.96	-13.00	H
9303.50	-50.64	2.00	11.60	-43.19	-13.00	H
9476.50	-50.17	2.10	11.60	-42.82	-13.00	V

**LTE BAND 12 23017 64QAM**

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
2124.58	-51.00	0.90	9.80	-44.25	-13.00	V
9098.75	-52.24	2.20	11.60	-44.99	-13.00	H
9225.75	-51.16	2.10	11.60	-43.81	-13.00	H
9295.75	-50.86	2.00	11.60	-43.41	-13.00	H
9366.75	-52.28	2.00	11.60	-44.83	-13.00	V
9473.00	-52.06	2.10	11.60	-44.71	-13.00	V

LTE BAND 12 23095 64QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
8338.75	-52.45	1.80	11.30	-45.10	-13.00	H
9118.50	-52.43	2.10	11.60	-45.08	-13.00	V
9224.75	-51.65	2.10	11.60	-44.30	-13.00	H
9301.25	-51.10	2.00	11.60	-43.65	-13.00	H
9425.25	-51.55	2.10	11.60	-44.20	-13.00	H
9477.00	-51.25	2.10	11.60	-43.90	-13.00	V

LTE BAND 12 23173 64QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
2144.58	-48.37	0.90	9.80	-41.62	-13.00	V
9089.75	-52.02	2.20	11.60	-44.77	-13.00	H
9220.25	-51.61	2.10	11.60	-44.26	-13.00	H
9299.75	-51.10	2.00	11.60	-43.65	-13.00	H
9424.50	-52.23	2.10	11.60	-44.88	-13.00	H
9476.00	-51.25	2.10	11.60	-43.90	-13.00	V

LTE BAND 13 23205 QPSK

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
1566.50	-60.21	0.70	8.10	-54.96	-40.00	V
9098.88	-52.01	2.20	11.60	-44.76	-13.00	H
9224.25	-50.65	2.10	11.60	-43.30	-13.00	H
9472.12	-51.52	2.10	11.60	-44.17	-13.00	V
9728.88	-50.85	2.20	11.20	-44.00	-13.00	H
9798.50	-51.68	2.30	11.20	-44.93	-13.00	H

LTE BAND 13 23230 QPSK

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
1564.00	-60.37	0.70	8.10	-55.12	-40.00	V
9092.25	-51.73	2.20	11.60	-44.48	-13.00	H
9225.38	-50.97	2.10	11.60	-43.62	-13.00	H
9475.62	-51.31	2.10	11.60	-43.96	-13.00	V
9739.62	-50.62	2.20	11.20	-43.77	-13.00	H
9783.88	-51.21	2.30	11.20	-44.46	-13.00	H

LTE BAND 13 23255 QPSK

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
1565.50	-60.13	0.70	8.10	-54.88	-40.00	V
9101.62	-51.56	2.20	11.60	-44.31	-13.00	H
9220.75	-50.77	2.10	11.60	-43.42	-13.00	H
9475.88	-50.97	2.10	11.60	-43.62	-13.00	V
9770.00	-50.91	2.30	11.20	-44.16	-13.00	H
9932.12	-51.23	2.20	11.20	-44.38	-13.00	H

LTE BAND 13 23205 16QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarization
1570.50	-59.92	0.70	8.10	-54.67	-40.00	V
1587.00	-61.44	0.70	8.10	-56.19	-13.00	V
9098.88	-51.71	2.20	11.60	-44.46	-13.00	H
9225.00	-50.67	2.10	11.60	-43.32	-13.00	H
9474.75	-50.37	2.10	11.60	-43.02	-13.00	V
9714.75	-51.20	2.20	11.20	-44.35	-13.00	H

LTE BAND 13 23230 16QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarization
1561.00	-59.93	0.70	8.10	-54.68	-40.00	V
9101.38	-51.44	2.20	11.60	-44.19	-13.00	H
9299.25	-50.45	2.00	11.60	-43.00	-13.00	H
9425.25	-50.73	2.10	11.60	-43.38	-13.00	H
9743.50	-50.89	2.20	11.20	-44.04	-13.00	H
9795.75	-51.10	2.30	11.20	-44.35	-13.00	H

LTE BAND 13 23255 16QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarization
1566.00	-59.92	0.70	8.10	-54.67	-40.00	V
1595.00	-61.65	0.70	8.10	-56.40	-13.00	V
8390.62	-51.93	1.80	11.30	-44.58	-13.00	H
9307.38	-50.83	2.00	11.60	-43.38	-13.00	H
9475.50	-50.58	2.10	11.60	-43.23	-13.00	V
9726.12	-50.56	2.20	11.20	-43.71	-13.00	H

**LTE BAND 13 23205 64QAM**

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
1567.00	-59.29	0.70	8.10	-54.04	-40.00	V
9098.50	-51.91	2.20	11.60	-44.66	-13.00	H
9226.50	-50.62	2.10	11.60	-43.27	-13.00	H
9491.38	-51.19	2.10	11.60	-43.84	-13.00	H
9732.38	-50.68	2.20	11.20	-43.83	-13.00	H
9799.38	-50.44	2.30	11.20	-43.69	-13.00	H

LTE BAND 13 23230 64QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
1568.50	-60.74	0.70	8.10	-55.49	-40.00	V
9104.75	-51.95	2.20	11.60	-44.70	-13.00	H
9297.62	-51.15	2.00	11.60	-43.70	-13.00	H
9475.88	-51.07	2.10	11.60	-43.72	-13.00	V
9723.00	-50.80	2.20	11.20	-43.95	-13.00	H
9809.50	-51.15	2.30	11.20	-44.40	-13.00	H

LTE BAND 13 23255 64QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
1571.00	-60.18	0.70	8.10	-54.93	-40.00	V
8974.88	-52.48	2.00	12.00	-44.63	-13.00	H
9225.38	-50.71	2.10	11.60	-43.36	-13.00	H
9474.12	-51.19	2.10	11.60	-43.84	-13.00	V
9724.88	-51.32	2.20	11.20	-44.47	-13.00	H
9788.50	-51.06	2.30	11.20	-44.31	-13.00	V

**LTE BAND 17 23755 QPSK**

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarization
8364.50	-52.20	1.80	11.30	-44.85	-13.00	H
9109.75	-51.93	2.10	11.60	-44.58	-13.00	H
9296.25	-51.56	2.00	11.60	-44.11	-13.00	H
9423.00	-51.20	2.10	11.60	-43.85	-13.00	H
9480.00	-51.02	2.10	11.60	-43.67	-13.00	V
9735.25	-51.59	2.20	11.20	-44.74	-13.00	H

LTE BAND 17 23790 QPSK

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarization
2128.75	-51.43	0.90	9.80	-44.68	-13.00	V
8420.50	-52.02	1.80	11.30	-44.67	-13.00	H
9228.75	-51.49	2.10	11.60	-44.14	-13.00	H
9299.25	-50.98	2.00	11.60	-43.53	-13.00	H
9424.25	-52.07	2.10	11.60	-44.72	-13.00	H
9472.75	-51.28	2.10	11.60	-43.93	-13.00	V

LTE BAND 17 23825 QPSK

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarization
2139.17	-47.93	0.90	9.80	-41.18	-13.00	V
8432.75	-51.88	1.80	11.30	-44.53	-13.00	H
9099.50	-51.64	2.20	11.60	-44.39	-13.00	H
9225.00	-50.88	2.10	11.60	-43.53	-13.00	H
9304.50	-51.11	2.00	11.60	-43.66	-13.00	H
9476.75	-51.37	2.10	11.60	-44.02	-13.00	V

**LTE BAND 17 23755 16QAM**

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
9092.00	-51.94	2.20	11.60	-44.69	-13.00	H
9223.50	-51.31	2.10	11.60	-43.96	-13.00	H
9300.25	-50.81	2.00	11.60	-43.36	-13.00	H
9425.25	-51.82	2.10	11.60	-44.47	-13.00	H
9470.25	-51.86	2.10	11.60	-44.51	-13.00	V
9744.00	-51.52	2.20	11.20	-44.67	-13.00	H

LTE BAND 17 23790 16QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
2128.75	-49.55	0.90	9.80	-42.80	-13.00	V
9097.50	-52.19	2.20	11.60	-44.94	-13.00	H
9223.50	-51.28	2.10	11.60	-43.93	-13.00	H
9300.00	-51.20	2.00	11.60	-43.75	-13.00	H
9364.50	-52.41	2.00	11.60	-44.96	-13.00	V
9475.50	-51.63	2.10	11.60	-44.28	-13.00	V

LTE BAND 17 23825 16QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
2139.17	-47.12	0.90	9.80	-40.37	-13.00	V
8464.00	-51.93	1.80	11.30	-44.58	-13.00	H
9223.75	-51.26	2.10	11.60	-43.91	-13.00	H
9298.50	-50.97	2.00	11.60	-43.52	-13.00	H
9426.25	-51.48	2.10	11.60	-44.13	-13.00	H
9475.75	-51.93	2.10	11.60	-44.58	-13.00	V

**LTE BAND 17 23755 64QAM**

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
8424.75	-52.07	1.80	11.30	-44.72	-13.00	H
9099.75	-51.30	2.20	11.60	-44.05	-13.00	H
9223.25	-52.13	2.10	11.60	-44.78	-13.00	H
9306.50	-51.77	2.00	11.60	-44.32	-13.00	H
9428.00	-52.42	2.10	11.60	-45.07	-13.00	H
9736.75	-50.67	2.20	11.20	-43.82	-13.00	H

LTE BAND 17 23790 64QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
2128.33	-49.67	0.90	9.80	-42.92	-13.00	V
9220.25	-51.65	2.10	11.60	-44.30	-13.00	H
9236.25	-51.55	2.10	11.60	-44.20	-13.00	H
9416.50	-52.09	2.10	11.60	-44.74	-13.00	H
9474.25	-50.54	2.10	11.60	-43.19	-13.00	V
9719.00	-51.62	2.20	11.20	-44.77	-13.00	H

LTE BAND 17 23825 64QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
2139.17	-47.32	0.90	9.80	-40.57	-13.00	V
9102.25	-51.06	2.20	11.60	-43.81	-13.00	H
9225.50	-51.86	2.10	11.60	-44.51	-13.00	H
9303.00	-51.10	2.00	11.60	-43.65	-13.00	H
9375.00	-51.15	2.00	11.60	-43.70	-13.00	V
9471.75	-51.90	2.10	11.60	-44.55	-13.00	V

**LTE BAND 26 27033 QPSK**

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarization
9153.25	-52.23	2.10	11.60	-44.88	-13.00	H
9224.75	-51.54	2.10	11.60	-44.19	-13.00	H
9303.75	-51.75	2.00	11.60	-44.30	-13.00	H
9362.25	-52.29	2.00	11.60	-44.84	-13.00	V
9477.00	-52.09	2.10	11.60	-44.74	-13.00	V
9717.00	-52.00	2.20	11.20	-45.15	-13.00	H

LTE BAND 26 26915 QPSK

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarization
8475.00	-52.32	1.80	11.30	-44.97	-13.00	H
9148.75	-51.77	2.10	11.60	-44.42	-13.00	H
9224.50	-51.57	2.10	11.60	-44.22	-13.00	H
9300.50	-51.56	2.00	11.60	-44.11	-13.00	H
9423.75	-52.16	2.10	11.60	-44.81	-13.00	H
9474.25	-51.96	2.10	11.60	-44.61	-13.00	V

LTE BAND 26 26797 QPSK

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarization
8456.25	-52.37	1.80	11.30	-45.02	-13.00	H
9153.00	-52.52	2.10	11.60	-45.17	-13.00	H
9222.00	-50.65	2.10	11.60	-43.30	-13.00	H
9296.25	-51.70	2.00	11.60	-44.25	-13.00	H
9421.00	-51.61	2.10	11.60	-44.26	-13.00	H
9474.75	-51.95	2.10	11.60	-44.60	-13.00	V

**LTE BAND 26 27033 16QAM**

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
9182.25	-52.16	2.10	11.60	-44.81	-13.00	V
9228.75	-52.08	2.10	11.60	-44.73	-13.00	H
9301.50	-51.56	2.00	11.60	-44.11	-13.00	H
9420.75	-52.05	2.10	11.60	-44.70	-13.00	H
9474.50	-50.90	2.10	11.60	-43.55	-13.00	V
9714.25	-51.75	2.20	11.20	-44.90	-13.00	H

LTE BAND 26 26915 16QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
8476.00	-51.89	1.80	11.30	-44.54	-13.00	H
9097.75	-52.31	2.20	11.60	-45.06	-13.00	H
9144.25	-52.25	2.10	11.60	-44.90	-13.00	H
9219.75	-51.74	2.10	11.60	-44.39	-13.00	H
9303.75	-51.32	2.00	11.60	-43.87	-13.00	H
9474.75	-51.68	2.10	11.60	-44.33	-13.00	V

LTE BAND 26 26797 16QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
8649.50	-53.09	2.00	12.00	-45.24	-13.00	H
9105.50	-52.37	2.20	11.60	-45.12	-13.00	H
9228.00	-52.20	2.10	11.60	-44.85	-13.00	H
9307.25	-51.58	2.00	11.60	-44.13	-13.00	H
9410.25	-52.29	2.10	11.60	-44.94	-13.00	H
9472.50	-52.11	2.10	11.60	-44.76	-13.00	V

**LTE BAND 26 27033 64QAM**

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarization
8432.00	-52.09	1.80	11.30	-44.74	-13.00	H
9101.00	-52.35	2.20	11.60	-45.10	-13.00	H
9225.00	-51.65	2.10	11.60	-44.30	-13.00	H
9303.75	-51.23	2.00	11.60	-43.78	-13.00	H
9424.50	-52.46	2.10	11.60	-45.11	-13.00	H
9473.25	-51.42	2.10	11.60	-44.07	-13.00	V

LTE BAND 26 26915 64QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarization
9151.50	-51.99	2.10	11.60	-44.64	-13.00	H
9221.75	-51.63	2.10	11.60	-44.28	-13.00	H
9301.50	-50.35	2.00	11.60	-42.90	-13.00	H
9430.25	-52.52	2.10	11.60	-45.17	-13.00	H
9469.00	-51.86	2.10	11.60	-44.51	-13.00	V
9676.50	-52.15	2.20	11.20	-45.30	-13.00	H

LTE BAND 26 26797 64QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarization
9097.25	-51.87	2.20	11.60	-44.62	-13.00	H
9223.75	-51.01	2.10	11.60	-43.66	-13.00	H
9304.00	-51.30	2.00	11.60	-43.85	-13.00	H
9441.00	-52.26	2.10	11.60	-44.91	-13.00	H
9476.75	-51.64	2.10	11.60	-44.29	-13.00	V
9717.00	-51.74	2.20	11.20	-44.89	-13.00	H

LTE BAND 26 26783 QPSK

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarization
9094.75	-51.11	2.20	11.60	-43.86	-13.00	H
9226.25	-51.74	2.10	11.60	-44.39	-13.00	H
9304.25	-50.93	2.00	11.60	-43.48	-13.00	H
9428.50	-51.75	2.10	11.60	-44.40	-13.00	H
9480.25	-51.98	2.10	11.60	-44.63	-13.00	V
9718.50	-50.94	2.20	11.20	-44.09	-13.00	H

LTE BAND 26 26740 QPSK

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarization
8438.25	-52.42	1.80	11.30	-45.07	-13.00	H
9103.25	-51.48	2.20	11.60	-44.23	-13.00	H
9223.75	-51.17	2.10	11.60	-43.82	-13.00	H
9300.25	-50.86	2.00	11.60	-43.41	-13.00	H
9364.25	-52.34	2.00	11.60	-44.89	-13.00	V
9475.25	-51.42	2.10	11.60	-44.07	-13.00	V

LTE BAND 26 26697 QPSK

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarization
9149.25	-52.06	2.10	11.60	-44.71	-13.00	H
9221.25	-51.16	2.10	11.60	-43.81	-13.00	H
9299.25	-51.19	2.00	11.60	-43.74	-13.00	H
9384.25	-52.07	2.10	11.60	-44.72	-13.00	V
9476.50	-51.76	2.10	11.60	-44.41	-13.00	V
9730.50	-51.55	2.20	11.20	-44.70	-13.00	H

**LTE BAND 26 26783 16QAM**

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
8711.75	-53.06	2.00	12.00	-45.21	-13.00	H
9095.00	-51.67	2.20	11.60	-44.42	-13.00	H
9155.75	-52.02	2.10	11.60	-44.67	-13.00	H
9225.75	-51.08	2.10	11.60	-43.73	-13.00	H
9305.00	-51.08	2.00	11.60	-43.63	-13.00	H
9472.50	-52.15	2.10	11.60	-44.80	-13.00	V

LTE BAND 26 26740 16QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
9097.75	-52.14	2.20	11.60	-44.89	-13.00	H
9223.25	-51.47	2.10	11.60	-44.12	-13.00	H
9301.75	-50.63	2.00	11.60	-43.18	-13.00	H
9422.25	-52.59	2.10	11.60	-45.24	-13.00	H
9473.75	-52.15	2.10	11.60	-44.80	-13.00	V
9718.25	-52.01	2.20	11.20	-45.16	-13.00	H

LTE BAND 26 26697 16QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
9142.25	-52.30	2.10	11.60	-44.95	-13.00	H
9226.00	-51.98	2.10	11.60	-44.63	-13.00	H
9298.75	-51.68	2.00	11.60	-44.23	-13.00	H
9434.75	-52.01	2.10	11.60	-44.66	-13.00	H
9467.50	-51.98	2.10	11.60	-44.63	-13.00	V
9685.75	-51.67	2.20	11.20	-44.82	-13.00	H

**LTE BAND 26 26783 64QAM**

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
8463.00	-52.25	1.80	11.30	-44.90	-13.00	H
9103.00	-51.91	2.20	11.60	-44.66	-13.00	H
9224.25	-51.97	2.10	11.60	-44.62	-13.00	H
9302.75	-51.73	2.00	11.60	-44.28	-13.00	H
9426.25	-51.32	2.10	11.60	-43.97	-13.00	H
9474.25	-51.64	2.10	11.60	-44.29	-13.00	V

LTE BAND 26 26740 64QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
9123.25	-52.13	2.10	11.60	-44.78	-13.00	V
9219.00	-51.48	2.10	11.60	-44.13	-13.00	H
9303.00	-51.26	2.00	11.60	-43.81	-13.00	H
9415.50	-52.39	2.10	11.60	-45.04	-13.00	V
9475.25	-50.52	2.10	11.60	-43.17	-13.00	V
9739.75	-51.63	2.20	11.20	-44.78	-13.00	H

LTE BAND 26 26697 64QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
9151.25	-52.07	2.10	11.60	-44.72	-13.00	H
9225.50	-51.38	2.10	11.60	-44.03	-13.00	H
9301.25	-51.38	2.00	11.60	-43.93	-13.00	H
9422.00	-51.82	2.10	11.60	-44.47	-13.00	H
9471.25	-51.51	2.10	11.60	-44.16	-13.00	V
9716.75	-51.60	2.20	11.20	-44.75	-13.00	H

**LTE BAND 38 37775 QPSK**

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16978.50	-54.93	2.90	16.50	-41.33	-25.00	H
17203.50	-53.70	2.90	14.50	-42.10	-25.00	H
17366.00	-53.11	3.20	14.50	-41.81	-25.00	H
17524.00	-49.58	2.90	12.80	-39.68	-25.00	H
17626.50	-49.03	3.30	12.80	-39.53	-25.00	H
17838.50	-49.59	3.60	12.80	-40.39	-25.00	H

LTE BAND 38 38000 QPSK

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16991.00	-54.54	2.90	16.50	-40.94	-25.00	H
17120.50	-53.32	2.90	14.50	-41.72	-25.00	H
17301.00	-52.82	3.20	14.50	-41.52	-25.00	H
17505.50	-49.74	2.90	12.80	-39.84	-25.00	H
17597.00	-49.19	3.30	12.80	-39.69	-25.00	H
17838.00	-49.19	3.60	12.80	-39.99	-25.00	H

LTE BAND 38 38225 QPSK

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16984.50	-54.99	2.90	16.50	-41.39	-25.00	H
17114.00	-53.76	2.90	14.50	-42.16	-25.00	H
17288.00	-52.98	3.20	14.50	-41.68	-25.00	H
17521.00	-49.77	2.90	12.80	-39.87	-25.00	H
17614.50	-49.32	3.30	12.80	-39.82	-25.00	H
17822.00	-49.75	3.60	12.80	-40.55	-25.00	H

**LTE BAND 38 37775 16QAM**

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16981.50	-54.93	2.90	16.50	-41.33	-25.00	H
17109.00	-53.64	2.90	14.50	-42.04	-25.00	H
17300.00	-52.93	3.20	14.50	-41.63	-25.00	H
17503.50	-49.84	2.90	12.80	-39.94	-25.00	H
17573.50	-49.38	3.30	12.80	-39.88	-25.00	H
17839.00	-49.50	3.60	12.80	-40.30	-25.00	H

LTE BAND 38 38000 16QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16960.50	-54.85	2.90	16.50	-41.25	-25.00	H
17168.00	-53.34	2.90	14.50	-41.74	-25.00	H
17364.00	-52.95	3.20	14.50	-41.65	-25.00	H
17524.00	-49.21	2.90	12.80	-39.31	-25.00	H
17601.50	-49.27	3.30	12.80	-39.77	-25.00	H
17821.50	-49.47	3.60	12.80	-40.27	-25.00	H

LTE BAND 38 38225 16QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16984.00	-54.92	2.90	16.50	-41.32	-25.00	H
17205.00	-53.74	2.90	14.50	-42.14	-25.00	H
17346.50	-52.93	3.20	14.50	-41.63	-25.00	H
17513.50	-49.74	2.90	12.80	-39.84	-25.00	H
17617.00	-49.32	3.30	12.80	-39.82	-25.00	H
17839.00	-49.62	3.60	12.80	-40.42	-25.00	H

**LTE BAND 38 37775 64QAM**

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarizatio n
16963.00	-54.67	2.90	16.50	-41.07	-25.00	H
17187.00	-53.84	2.90	14.50	-42.24	-25.00	H
17368.00	-52.84	3.20	14.50	-41.54	-25.00	H
17497.00	-51.57	2.90	14.50	-39.97	-25.00	H
17614.00	-49.42	3.30	12.80	-39.92	-25.00	H
17840.00	-49.48	3.60	12.80	-40.28	-25.00	H

LTE BAND 38 38000 64QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarizatio n
16934.50	-54.58	2.90	16.50	-40.98	-25.00	H
17182.50	-53.38	2.90	14.50	-41.78	-25.00	H
17298.00	-52.88	3.20	14.50	-41.58	-25.00	H
17455.50	-51.33	2.90	14.50	-39.73	-25.00	H
17592.50	-49.02	3.30	12.80	-39.52	-25.00	H
17830.50	-49.75	3.60	12.80	-40.55	-25.00	H

LTE BAND 38 38225 64QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarizatio n
16966.50	-54.82	2.90	16.50	-41.22	-25.00	H
17189.50	-53.70	2.90	14.50	-42.10	-25.00	H
17364.50	-52.91	3.20	14.50	-41.61	-25.00	H
17509.00	-49.86	2.90	12.80	-39.96	-25.00	H
17625.00	-49.28	3.30	12.80	-39.78	-25.00	H
17837.00	-49.54	3.60	12.80	-40.34	-25.00	H

**LTE BAND 41 39675 QPSK**

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16938.00	-54.44	2.90	16.50	-40.84	-25.00	H
17202.50	-53.38	2.90	14.50	-41.78	-25.00	H
17295.00	-52.87	3.20	14.50	-41.57	-25.00	H
17524.50	-49.79	2.90	12.80	-39.89	-25.00	H
17577.00	-49.34	3.30	12.80	-39.84	-25.00	H
17840.00	-49.68	3.60	12.80	-40.48	-25.00	H

LTE BAND 41 40620 QPSK

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16983.50	-54.94	2.90	16.50	-41.34	-25.00	H
17189.00	-53.63	2.90	14.50	-42.03	-25.00	H
17299.00	-52.84	3.20	14.50	-41.54	-25.00	H
17456.50	-51.36	2.90	14.50	-39.76	-25.00	H
17613.00	-49.39	3.30	12.80	-39.89	-25.00	H
17838.00	-49.62	3.60	12.80	-40.42	-25.00	H

LTE BAND 41 41565 QPSK

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16979.50	-54.74	2.90	16.50	-41.14	-25.00	H
17211.00	-53.69	2.90	14.50	-42.09	-25.00	H
17295.00	-52.81	3.20	14.50	-41.51	-25.00	H
17507.00	-49.70	2.90	12.80	-39.80	-25.00	H
17574.50	-49.06	3.30	12.80	-39.56	-25.00	H
17840.00	-49.40	3.60	12.80	-40.20	-25.00	H

LTE BAND 41 39675 16QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16950.50	-54.80	2.90	16.50	-41.20	-25.00	H
17119.00	-53.25	2.90	14.50	-41.65	-25.00	H
17278.00	-52.57	3.20	14.50	-41.27	-25.00	H
17455.50	-51.38	2.90	14.50	-39.78	-25.00	H
17575.00	-49.28	3.30	12.80	-39.78	-25.00	H
17835.50	-49.53	3.60	12.80	-40.33	-25.00	H

LTE BAND 41 40620 16QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16935.50	-54.82	2.90	16.50	-41.22	-25.00	H
17126.50	-53.28	2.90	14.50	-41.68	-25.00	H
17364.00	-52.83	3.20	14.50	-41.53	-25.00	H
17506.50	-49.55	2.90	12.80	-39.65	-25.00	H
17596.50	-49.34	3.30	12.80	-39.84	-25.00	H
17835.50	-49.46	3.60	12.80	-40.26	-25.00	H

LTE BAND 41 41565 16QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16987.00	-54.57	2.90	16.50	-40.97	-25.00	H
17177.50	-53.53	2.90	14.50	-41.93	-25.00	H
17303.00	-52.70	3.20	14.50	-41.40	-25.00	H
17444.00	-51.31	2.90	14.50	-39.71	-25.00	H
17588.00	-49.01	3.30	12.80	-39.51	-25.00	H
17839.00	-49.60	3.60	12.80	-40.40	-25.00	H

LTE BAND 41 39675 64QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16950.50	-54.41	2.90	16.50	-40.81	-25.00	H
17188.00	-53.56	2.90	14.50	-41.96	-25.00	H
17368.00	-52.84	3.20	14.50	-41.54	-25.00	H
17456.50	-51.35	2.90	14.50	-39.75	-25.00	H
17594.50	-49.43	3.30	12.80	-39.93	-25.00	H
17839.50	-49.43	3.60	12.80	-40.23	-25.00	H

LTE BAND 41 40620 64QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16960.50	-54.74	2.90	16.50	-41.14	-25.00	H
17202.50	-53.73	2.90	14.50	-42.13	-25.00	H
17295.00	-53.03	3.20	14.50	-41.73	-25.00	H
17503.50	-49.25	2.90	12.80	-39.35	-25.00	H
17625.50	-49.55	3.30	12.80	-40.05	-25.00	H
17834.50	-49.72	3.60	12.80	-40.52	-25.00	H

LTE BAND 41 41565 64QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16987.00	-54.81	2.90	16.50	-41.21	-25.00	H
17191.00	-53.35	2.90	14.50	-41.75	-25.00	H
17297.00	-52.53	3.20	14.50	-41.23	-25.00	H
17427.50	-51.53	2.90	14.50	-39.93	-25.00	H
17525.50	-49.72	2.90	12.80	-39.82	-25.00	H
17823.00	-49.29	3.60	12.80	-40.09	-25.00	H

**LTE BAND 66 131979 QPSK**

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16958.00	-45.40	2.90	16.50	-31.80	-13.00	H
17212.00	-43.90	2.90	14.50	-32.30	-13.00	H
17238.50	-42.73	3.20	14.50	-31.43	-13.00	H
17434.50	-41.48	2.90	14.50	-29.88	-13.00	H
17612.50	-39.49	3.30	12.80	-29.99	-13.00	H
17824.00	-40.22	3.60	12.80	-31.02	-13.00	H

LTE BAND 66 132322 QPSK

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16941.00	-45.00	2.90	16.50	-31.40	-13.00	H
17191.00	-42.91	2.90	14.50	-31.31	-13.00	H
17309.50	-43.11	3.20	14.50	-31.81	-13.00	H
17423.00	-41.44	2.90	14.50	-29.84	-13.00	H
17569.00	-39.58	3.30	12.80	-30.08	-13.00	H
17837.50	-39.65	3.60	12.80	-30.45	-13.00	H

LTE BAND 66 132665 QPSK

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16998.00	-44.76	2.90	16.50	-31.16	-13.00	H
17167.50	-43.20	2.90	14.50	-31.60	-13.00	H
17290.00	-43.25	3.20	14.50	-31.95	-13.00	H
17521.00	-39.74	2.90	12.80	-29.84	-13.00	H
17629.00	-39.59	3.30	12.80	-30.09	-13.00	H
17774.00	-40.20	3.60	12.80	-31.00	-13.00	H

**LTE BAND 66 131979 16QAM**

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16925.50	-45.22	2.90	16.50	-31.62	-13.00	H
17188.00	-43.26	2.90	14.50	-31.66	-13.00	H
17277.50	-43.29	3.20	14.50	-31.99	-13.00	H
17523.50	-40.17	2.90	12.80	-30.27	-13.00	H
17527.00	-39.98	2.90	12.80	-30.08	-13.00	H
17838.00	-39.86	3.60	12.80	-30.66	-13.00	H

LTE BAND 66 132322 16QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16998.00	-44.49	2.90	16.50	-30.89	-13.00	H
17121.50	-43.64	2.90	14.50	-32.04	-13.00	H
17298.50	-42.70	3.20	14.50	-31.40	-13.00	H
17525.00	-38.86	2.90	12.80	-28.96	-13.00	H
17588.00	-39.06	3.30	12.80	-29.56	-13.00	H
17787.50	-39.76	3.60	12.80	-30.56	-13.00	H

LTE BAND 66 132665 16QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16976.50	-44.91	2.90	16.50	-31.31	-13.00	H
17183.50	-43.79	2.90	14.50	-32.19	-13.00	H
17301.00	-43.13	3.20	14.50	-31.83	-13.00	H
17414.00	-41.25	2.90	14.50	-29.65	-13.00	H
17618.00	-39.01	3.30	12.80	-29.51	-13.00	H
17798.50	-39.41	3.60	12.80	-30.21	-13.00	H

**LTE BAND 66 131979 64QAM**

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarizatio n
16976.50	-45.01	2.90	16.50	-31.41	-13.00	H
17144.00	-44.39	2.90	14.50	-32.79	-13.00	H
17345.00	-43.41	3.20	14.50	-32.11	-13.00	H
17405.00	-42.06	2.90	14.50	-30.46	-13.00	H
17630.00	-38.82	3.30	12.80	-29.32	-13.00	H
17771.50	-39.96	3.60	12.80	-30.76	-13.00	H

LTE BAND 66 132322 64QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarizatio n
16938.00	-44.88	2.90	16.50	-31.28	-13.00	H
17209.00	-42.96	2.90	14.50	-31.36	-13.00	H
17369.00	-42.62	3.20	14.50	-31.32	-13.00	H
17442.00	-42.29	2.90	14.50	-30.69	-13.00	H
17611.50	-39.29	3.30	12.80	-29.79	-13.00	H
17823.00	-39.23	3.60	12.80	-30.03	-13.00	H

LTE BAND 66 132665 64QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarizatio n
16933.00	-44.36	2.90	16.50	-30.76	-13.00	H
17123.00	-44.04	2.90	14.50	-32.44	-13.00	H
17224.00	-42.50	3.20	14.50	-31.20	-13.00	H
17520.50	-39.55	2.90	12.80	-29.65	-13.00	H
17619.00	-38.36	3.30	12.80	-28.86	-13.00	H
17821.50	-40.15	3.60	12.80	-30.95	-13.00	H

**LTE BAND CA_7C QPSK 20MHz+20MHz Channel 20850+21048**

Frequency(MHz)	Ppm (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit	Polarization
16960.00	-54.83	2.90	16.50	-41.23	-25.00	H
17125.50	-53.72	2.90	14.50	-42.12	-25.00	H
17363.00	-53.21	3.20	14.50	-41.91	-25.00	H
17484.00	-51.65	2.90	14.50	-40.05	-25.00	H
17589.50	-49.39	3.30	12.80	-39.89	-25.00	H
17839.50	-49.44	3.60	12.80	-40.24	-25.00	H

LTE BAND CA_7C QPSK 20MHz+20MHz Channel 21001+21199

Frequency(MHz)	Ppm (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit	Polarization
16979.50	-55.14	2.90	16.50	-41.54	-25.00	H
17117.00	-53.75	2.90	14.50	-42.15	-25.00	H
17303.00	-53.06	3.20	14.50	-41.76	-25.00	H
17448.50	-51.68	2.90	14.50	-40.08	-25.00	H
17572.50	-49.53	3.30	12.80	-40.03	-25.00	H
17840.00	-49.64	3.60	12.80	-40.44	-25.00	H

LTE BAND CA_7C QPSK 20MHz+20MHz Channel 21152+21350

Frequency(MHz)	Ppm (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit	Polarization
16947.00	-54.81	2.90	16.50	-41.21	-25.00	H
17120.00	-53.52	2.90	14.50	-41.92	-25.00	H
17368.50	-53.08	3.20	14.50	-41.78	-25.00	H
17457.00	-51.35	2.90	14.50	-39.75	-25.00	H
17601.50	-49.59	3.30	12.80	-40.09	-25.00	H
17836.50	-49.62	3.60	12.80	-40.42	-25.00	H

**LTE BAND CA_7C 16QAM 20MHz+20MHz Channel 20850+21048**

Frequency(MHz)	Ppm (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit	Polarization
16960.50	-54.93	2.90	16.50	-41.33	-25.00	H
17206.50	-53.79	2.90	14.50	-42.19	-25.00	H
17369.00	-53.16	3.20	14.50	-41.86	-25.00	H
17519.00	-50.11	2.90	12.80	-40.21	-25.00	H
17573.00	-49.31	3.30	12.80	-39.81	-25.00	H
17840.00	-49.56	3.60	12.80	-40.36	-25.00	H

LTE BAND CA_7C 16QAM 20MHz+20MHz Channel 21001+21199

Frequency(MHz)	Ppm (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit	Polarization
16928.50	-53.60	2.90	16.50	-40.00	-25.00	H
17210.50	-52.05	2.90	14.50	-40.45	-25.00	H
17278.50	-51.50	3.20	14.50	-40.20	-25.00	H
17512.50	-48.02	2.90	12.80	-38.12	-25.00	H
17573.00	-47.67	3.30	12.80	-38.17	-25.00	H
17818.50	-47.69	3.60	12.80	-38.49	-25.00	H

LTE BAND CA_7C 16QAM 20MHz+20MHz Channel 21152+21350

Frequency(MHz)	Ppm (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit	Polarization
16931.50	-55.16	2.90	16.50	-41.56	-25.00	H
17183.00	-53.65	2.90	14.50	-42.05	-25.00	H
17279.00	-53.11	3.20	14.50	-41.81	-25.00	H
17515.50	-49.76	2.90	12.80	-39.86	-25.00	H
17594.50	-49.51	3.30	12.80	-40.01	-25.00	H
17834.50	-49.66	3.60	12.80	-40.46	-25.00	H

**LTE BAND CA_7C 64QAM 20MHz+20MHz Channel 20850+21048**

Frequency(MHz)	Ppm (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit	Polarization
16938.00	-54.95	2.90	16.50	-41.35	-25.00	H
17197.50	-53.32	2.90	14.50	-41.72	-25.00	H
17303.00	-53.29	3.20	14.50	-41.99	-25.00	H
17458.00	-51.78	2.90	14.50	-40.18	-25.00	H
17581.00	-49.53	3.30	12.80	-40.03	-25.00	H
17838.50	-49.39	3.60	12.80	-40.19	-25.00	H

LTE BAND CA_7C 64QAM 20MHz+20MHz Channel 21001+21199

Frequency(MHz)	Ppm (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit	Polarization
16961.50	-53.53	2.90	16.50	-39.93	-25.00	H
17122.00	-52.26	2.90	14.50	-40.66	-25.00	H
17295.00	-51.38	3.20	14.50	-40.08	-25.00	H
17437.50	-50.31	2.90	14.50	-38.71	-25.00	H
17617.50	-47.90	3.30	12.80	-38.40	-25.00	H
17830.50	-48.08	3.60	12.80	-38.88	-25.00	H

LTE BAND CA_7C 64QAM 20MHz+20MHz Channel 21152+21350

Frequency(MHz)	Ppm (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit	Polarization
16945.50	-55.16	2.90	16.50	-41.56	-25.00	H
17193.00	-53.58	2.90	14.50	-41.98	-25.00	H
17260.00	-53.26	3.20	14.50	-41.96	-25.00	H
17508.00	-49.97	2.90	12.80	-40.07	-25.00	H
17582.50	-49.47	3.30	12.80	-39.97	-25.00	H
17839.50	-49.66	3.60	12.80	-40.46	-25.00	H

**LTE BAND CA_38C QPSK 20MHz+20MHz Channel 37850+38048**

Frequency(MHz)	Ppm (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit	Polarization
16975.00	-54.05	2.90	16.50	-40.45	-25.00	H
17120.00	-52.41	2.90	14.50	-40.81	-25.00	H
17298.50	-51.89	3.20	14.50	-40.59	-25.00	H
17453.00	-50.63	2.90	14.50	-39.03	-25.00	H
17617.00	-48.20	3.30	12.80	-38.70	-25.00	H
17837.00	-48.28	3.60	12.80	-39.08	-25.00	H

LTE BAND CA_38C QPSK 20MHz+20MHz Channel 37901+38099

Frequency(MHz)	Ppm (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit	Polarization
16937.50	-54.92	2.90	16.50	-41.32	-25.00	H
17116.00	-53.45	2.90	14.50	-41.85	-25.00	H
17300.50	-53.05	3.20	14.50	-41.75	-25.00	H
17443.50	-51.64	2.90	14.50	-40.04	-25.00	H
17623.50	-49.21	3.30	12.80	-39.71	-25.00	H
17700.50	-49.85	3.30	12.80	-40.35	-25.00	H

LTE BAND CA_38C QPSK 20MHz+20MHz Channel 37952+38150

Frequency(MHz)	Ppm (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit	Polarization
16991.50	-54.77	2.90	16.50	-41.17	-25.00	H
17184.00	-53.65	2.90	14.50	-42.05	-25.00	H
17275.00	-52.71	3.20	14.50	-41.41	-25.00	H
17453.00	-51.44	2.90	14.50	-39.84	-25.00	H
17600.00	-49.49	3.30	12.80	-39.99	-25.00	H
17826.00	-49.39	3.60	12.80	-40.19	-25.00	H

**LTE BAND CA_38C 16QAM 20MHz+20MHz Channel 37850+38048**

Frequency(MHz)	Ppm (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit	Polarization
16991.50	-54.08	2.90	16.50	-40.48	-25.00	H
17207.00	-52.49	2.90	14.50	-40.89	-25.00	H
17298.00	-52.04	3.20	14.50	-40.74	-25.00	H
17413.00	-51.00	2.90	14.50	-39.40	-25.00	H
17615.50	-48.44	3.30	12.80	-38.94	-25.00	H
17836.50	-48.73	3.60	12.80	-39.53	-25.00	H

LTE BAND CA_38C 16QAM 20MHz+20MHz Channel 37901+38099

Frequency(MHz)	Ppm (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit	Polarization
16984.00	-55.15	2.90	16.50	-41.55	-25.00	H
17117.00	-53.74	2.90	14.50	-42.14	-25.00	H
17279.00	-53.29	3.20	14.50	-41.99	-25.00	H
17456.50	-51.78	2.90	14.50	-40.18	-25.00	H
17590.00	-49.54	3.30	12.80	-40.04	-25.00	H
17840.00	-49.67	3.60	12.80	-40.47	-25.00	H

LTE BAND CA_38C 16QAM 20MHz+20MHz Channel 37952+38150

Frequency(MHz)	Ppm (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit	Polarization
16960.50	-55.06	2.90	16.50	-41.46	-25.00	H
17209.50	-53.68	2.90	14.50	-42.08	-25.00	H
17301.00	-53.05	3.20	14.50	-41.75	-25.00	H
17508.00	-49.69	2.90	12.80	-39.79	-25.00	H
17618.50	-49.20	3.30	12.80	-39.70	-25.00	H
17821.50	-49.77	3.60	12.80	-40.57	-25.00	H

**LTE BAND CA_38C 64QAM 20MHz+20MHz Channel 37850+38048**

Frequency(MHz)	Ppm (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit	Polarization
16987.00	-54.57	2.90	16.50	-40.97	-25.00	H
17206.00	-53.74	2.90	14.50	-42.14	-25.00	H
17277.50	-52.97	3.20	14.50	-41.67	-25.00	H
17502.00	-49.76	2.90	12.80	-39.86	-25.00	H
17624.00	-49.19	3.30	12.80	-39.69	-25.00	H
17837.50	-49.44	3.60	12.80	-40.24	-25.00	H

LTE BAND CA_38C 64QAM 20MHz+20MHz Channel 37901+38099

Frequency(MHz)	Ppm (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit	Polarization
16955.50	-55.07	2.90	16.50	-41.47	-25.00	H
17209.50	-53.89	2.90	14.50	-42.29	-25.00	H
17368.00	-53.06	3.20	14.50	-41.76	-25.00	H
17458.00	-51.89	2.90	14.50	-40.29	-25.00	H
17619.50	-49.30	3.30	12.80	-39.80	-25.00	H
17835.50	-49.49	3.60	12.80	-40.29	-25.00	H

LTE BAND CA_38C 64QAM 20MHz+20MHz Channel 37952+38150

Frequency(MHz)	Ppm (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit	Polarization
16951.50	-54.77	2.90	16.50	-41.17	-25.00	H
17186.00	-53.92	2.90	14.50	-42.32	-25.00	H
17275.00	-53.26	3.20	14.50	-41.96	-25.00	H
17500.50	-49.82	2.90	12.80	-39.92	-25.00	H
17585.00	-49.42	3.30	12.80	-39.92	-25.00	H
17840.00	-49.80	3.60	12.80	-40.60	-25.00	H

**LTE BAND CA_41C QPSK 20MHz+20MHz Channel 39750+39948**

Frequency(MHz)	Ppm (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit	Polarization
16983.00	-55.06	2.90	16.50	-41.46	-25.00	H
17120.00	-53.51	2.90	14.50	-41.91	-25.00	H
17303.00	-52.86	3.20	14.50	-41.56	-25.00	H
17458.00	-51.64	2.90	14.50	-40.04	-25.00	H
17589.00	-49.16	3.30	12.80	-39.66	-25.00	H
17839.00	-49.61	3.60	12.80	-40.41	-25.00	H

LTE BAND CA_41C QPSK 20MHz+20MHz Channel 40521+40719

Frequency(MHz)	Ppm (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit	Polarization
16958.50	-54.82	2.90	16.50	-41.22	-25.00	H
17174.50	-53.55	2.90	14.50	-41.95	-25.00	H
17293.50	-53.16	3.20	14.50	-41.86	-25.00	H
17506.50	-49.93	2.90	12.80	-40.03	-25.00	H
17527.00	-49.44	2.90	12.80	-39.54	-25.00	H
17838.50	-49.68	3.60	12.80	-40.48	-25.00	H

LTE BAND CA_41C QPSK 20MHz+20MHz Channel 41292+41490

Frequency(MHz)	Ppm (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit	Polarization
16986.50	-54.51	2.90	16.50	-40.91	-25.00	H
17172.00	-53.74	2.90	14.50	-42.14	-25.00	H
17306.00	-52.95	3.20	14.50	-41.65	-25.00	H
17451.50	-51.37	2.90	14.50	-39.77	-25.00	H
17569.50	-49.07	3.30	12.80	-39.57	-25.00	H
17834.50	-49.63	3.60	12.80	-40.43	-25.00	H

**LTE BAND CA_41C 16QAM 20MHz+20MHz Channel 39750+39948**

Frequency(MHz)	Ppm (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit	Polarization
16989.50	-54.77	2.90	16.50	-41.17	-25.00	H
17165.50	-53.64	2.90	14.50	-42.04	-25.00	H
17301.00	-52.82	3.20	14.50	-41.52	-25.00	H
17456.50	-51.30	2.90	14.50	-39.70	-25.00	H
17594.50	-49.03	3.30	12.80	-39.53	-25.00	H
17834.00	-49.61	3.60	12.80	-40.41	-25.00	H

LTE BAND CA_41C 16QAM 20MHz+20MHz Channel 40521+40719

Frequency(MHz)	Ppm (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit	Polarization
16996.50	-55.03	2.90	16.50	-41.43	-25.00	H
17187.00	-53.81	2.90	14.50	-42.21	-25.00	H
17293.00	-53.12	3.20	14.50	-41.82	-25.00	H
17459.50	-51.55	2.90	14.50	-39.95	-25.00	H
17619.50	-49.63	3.30	12.80	-40.13	-25.00	H
17840.00	-49.55	3.60	12.80	-40.35	-25.00	H

LTE BAND CA_41C 16QAM 20MHz+20MHz Channel 41292+41490

Frequency(MHz)	Ppm (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit	Polarization
16983.00	-54.97	2.90	16.50	-41.37	-25.00	H
17096.50	-53.74	2.90	14.50	-42.14	-25.00	H
17278.50	-53.18	3.20	14.50	-41.88	-25.00	H
17518.00	-49.71	2.90	12.80	-39.81	-25.00	H
17576.00	-49.14	3.30	12.80	-39.64	-25.00	H
17840.00	-49.53	3.60	12.80	-40.33	-25.00	H

**LTE BAND CA_41C 64QAM 20MHz+20MHz Channel 39750+39948**

Frequency(MHz)	Ppm (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit	Polarization
16991.00	-54.95	2.90	16.50	-41.35	-25.00	H
17117.00	-53.27	2.90	14.50	-41.67	-25.00	H
17225.50	-52.97	3.20	14.50	-41.67	-25.00	H
17457.00	-51.47	2.90	14.50	-39.87	-25.00	H
17598.50	-49.27	3.30	12.80	-39.77	-25.00	H
17838.50	-49.57	3.60	12.80	-40.37	-25.00	H

LTE BAND CA_41C 64QAM 20MHz+20MHz Channel 40521+40719

Frequency(MHz)	Ppm (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit	Polarization
16961.50	-54.78	2.90	16.50	-41.18	-25.00	H
17202.50	-53.61	2.90	14.50	-42.01	-25.00	H
17299.50	-53.01	3.20	14.50	-41.71	-25.00	H
17443.50	-51.66	2.90	14.50	-40.06	-25.00	H
17592.00	-49.37	3.30	12.80	-39.87	-25.00	H
17839.00	-49.59	3.60	12.80	-40.39	-25.00	H

LTE BAND CA_41C 64QAM 20MHz+20MHz Channel 41292+41490

Frequency(MHz)	Ppm (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit	Polarization
16968.00	-55.02	2.90	16.50	-41.42	-25.00	H
17186.50	-53.71	2.90	14.50	-42.11	-25.00	H
17281.00	-53.02	3.20	14.50	-41.72	-25.00	H
17524.00	-49.97	2.90	12.80	-40.07	-25.00	H
17596.00	-49.19	3.30	12.80	-39.69	-25.00	H
17835.50	-49.72	3.60	12.80	-40.52	-25.00	H

**Lower antenna****LTE BAND 2 18607 QPSK**

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarizatio n
16958.50	-44.76	2.90	16.50	-31.16	-13.00	H
17171.00	-43.58	2.90	14.50	-31.98	-13.00	H
17350.50	-43.04	3.20	14.50	-31.74	-13.00	H
17503.00	-39.63	2.90	12.80	-29.73	-13.00	H
17615.50	-39.57	3.30	12.80	-30.07	-13.00	H
17743.50	-40.03	3.60	12.80	-30.83	-13.00	H

LTE BAND 2 18900 QPSK

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarizatio n
16945.50	-44.52	2.90	16.50	-30.92	-13.00	H
17173.00	-43.89	2.90	14.50	-32.29	-13.00	H
17274.50	-41.71	3.20	14.50	-30.41	-13.00	H
17521.50	-39.25	2.90	12.80	-29.35	-13.00	H
17569.00	-39.03	3.30	12.80	-29.53	-13.00	H
17828.50	-40.09	3.60	12.80	-30.89	-13.00	H

LTE BAND 2 19193 QPSK

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarizatio n
16987.50	-45.01	2.90	16.50	-31.41	-13.00	H
17175.00	-43.31	2.90	14.50	-31.71	-13.00	H
17257.50	-43.25	3.20	14.50	-31.95	-13.00	H
17523.50	-39.95	2.90	12.80	-30.05	-13.00	H
17564.00	-39.79	3.30	12.80	-30.29	-13.00	H
17783.00	-40.11	3.60	12.80	-30.91	-13.00	H

**LTE BAND 2 18607 16QAM**

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16940.00	-45.00	2.90	16.50	-31.40	-13.00	H
17166.50	-42.92	2.90	14.50	-31.32	-13.00	H
17272.00	-43.50	3.20	14.50	-32.20	-13.00	H
17455.50	-41.52	2.90	14.50	-29.92	-13.00	H
17590.00	-38.94	3.30	12.80	-29.44	-13.00	H
17830.00	-39.64	3.60	12.80	-30.44	-13.00	H

LTE BAND 2 18900 16QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16952.00	-44.26	2.90	16.50	-30.66	-13.00	H
17207.00	-43.09	2.90	14.50	-31.49	-13.00	H
17232.50	-43.24	3.20	14.50	-31.94	-13.00	H
17503.50	-39.47	2.90	12.80	-29.57	-13.00	H
17607.50	-38.84	3.30	12.80	-29.34	-13.00	H
17840.00	-39.57	3.60	12.80	-30.37	-13.00	H

LTE BAND 2 19193 16QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16986.00	-45.26	2.90	16.50	-31.66	-13.00	H
17141.50	-43.69	2.90	14.50	-32.09	-13.00	H
17355.00	-42.65	3.20	14.50	-31.35	-13.00	H
17395.00	-41.64	2.90	14.50	-30.04	-13.00	H
17581.00	-39.54	3.30	12.80	-30.04	-13.00	H
17839.50	-40.06	3.60	12.80	-30.86	-13.00	H

**LTE BAND 2 18607 64QAM**

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16942.00	-44.10	2.90	16.50	-30.50	-13.00	H
17202.50	-43.59	2.90	14.50	-31.99	-13.00	H
17259.00	-43.06	3.20	14.50	-31.76	-13.00	H
17525.00	-40.18	2.90	12.80	-30.28	-13.00	H
17594.50	-38.16	3.30	12.80	-28.66	-13.00	H
17703.00	-39.85	3.30	12.80	-30.35	-13.00	H

LTE BAND 2 18900 64QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16963.50	-45.23	2.90	16.50	-31.63	-13.00	H
17189.00	-43.75	2.90	14.50	-32.15	-13.00	H
17294.00	-42.96	3.20	14.50	-31.66	-13.00	H
17514.50	-39.68	2.90	12.80	-29.78	-13.00	H
17603.50	-39.61	3.30	12.80	-30.11	-13.00	H
17769.50	-39.53	3.60	12.80	-30.33	-13.00	H

LTE BAND 2 19193 64QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16959.50	-44.63	2.90	16.50	-31.03	-13.00	H
17205.00	-43.78	2.90	14.50	-32.18	-13.00	H
17351.00	-42.44	3.20	14.50	-31.14	-13.00	H
17513.50	-39.93	2.90	12.80	-30.03	-13.00	H
17616.00	-39.22	3.30	12.80	-29.72	-13.00	H
17756.00	-40.14	3.60	12.80	-30.94	-13.00	H

LTE BAND 4 19957 QPSK

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
17002.00	-43.11	2.90	14.50	-31.51	-13.00	H
17075.00	-44.10	2.90	14.50	-32.50	-13.00	H
17368.00	-42.66	3.20	14.50	-31.36	-13.00	H
17513.00	-39.75	2.90	12.80	-29.85	-13.00	H
17554.50	-40.11	2.90	12.80	-30.21	-13.00	H
17837.50	-39.86	3.60	12.80	-30.66	-13.00	H

LTE BAND 4 20175 QPSK

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16942.50	-44.94	2.90	16.50	-31.34	-13.00	H
17201.50	-43.70	2.90	14.50	-32.10	-13.00	H
17367.00	-43.04	3.20	14.50	-31.74	-13.00	H
17444.50	-42.18	2.90	14.50	-30.58	-13.00	H
17590.00	-39.73	3.30	12.80	-30.23	-13.00	H
17840.00	-39.90	3.60	12.80	-30.70	-13.00	H

LTE BAND 4 20393 QPSK

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16940.00	-45.04	2.90	16.50	-31.44	-13.00	H
17181.50	-43.75	2.90	14.50	-32.15	-13.00	H
17298.50	-43.19	3.20	14.50	-31.89	-13.00	H
17446.50	-41.87	2.90	14.50	-30.27	-13.00	H
17594.50	-39.30	3.30	12.80	-29.80	-13.00	H
17834.50	-40.38	3.60	12.80	-31.18	-13.00	H

**LTE BAND 4 19957 16QAM**

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16997.00	-45.49	2.90	16.50	-31.89	-13.00	H
17177.50	-43.62	2.90	14.50	-32.02	-13.00	H
17283.00	-43.28	3.20	14.50	-31.98	-13.00	H
17500.00	-39.92	2.90	12.80	-30.02	-13.00	H
17572.50	-39.09	3.30	12.80	-29.59	-13.00	H
17766.50	-40.19	3.60	12.80	-30.99	-13.00	H

LTE BAND 4 20175 16QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16995.50	-45.27	2.90	16.50	-31.67	-13.00	H
17132.00	-43.83	2.90	14.50	-32.23	-13.00	H
17297.00	-42.21	3.20	14.50	-30.91	-13.00	H
17449.00	-41.99	2.90	14.50	-30.39	-13.00	H
17554.00	-40.23	2.90	12.80	-30.33	-13.00	H
17804.50	-40.61	3.60	12.80	-31.41	-13.00	H

LTE BAND 4 20393 16QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16936.00	-45.07	2.90	16.50	-31.47	-13.00	H
17192.00	-43.91	2.90	14.50	-32.31	-13.00	H
17275.50	-42.83	3.20	14.50	-31.53	-13.00	H
17442.50	-41.33	2.90	14.50	-29.73	-13.00	H
17542.00	-39.65	2.90	12.80	-29.75	-13.00	H
17832.00	-39.95	3.60	12.80	-30.75	-13.00	H

**LTE BAND 4 19957 64QAM**

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarizatio n
16950.00	-44.98	2.90	16.50	-31.38	-13.00	H
17200.50	-42.80	2.90	14.50	-31.20	-13.00	H
17264.50	-42.84	3.20	14.50	-31.54	-13.00	H
17395.50	-41.65	2.90	14.50	-30.05	-13.00	H
17578.00	-39.11	3.30	12.80	-29.61	-13.00	H
17823.00	-40.12	3.60	12.80	-30.92	-13.00	H

LTE BAND 4 20175 64QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarizatio n
16955.50	-44.96	2.90	16.50	-31.36	-13.00	H
17135.00	-43.91	2.90	14.50	-32.31	-13.00	H
17269.00	-42.94	3.20	14.50	-31.64	-13.00	H
17478.50	-42.12	2.90	14.50	-30.52	-13.00	H
17589.00	-38.55	3.30	12.80	-29.05	-13.00	H
17802.00	-39.92	3.60	12.80	-30.72	-13.00	H

LTE BAND 4 20393 64QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarizatio n
16995.50	-45.59	2.90	16.50	-31.99	-13.00	H
17111.50	-44.02	2.90	14.50	-32.42	-13.00	H
17268.00	-43.10	3.20	14.50	-31.80	-13.00	H
17438.50	-41.15	2.90	14.50	-29.55	-13.00	H
17529.50	-40.06	2.90	12.80	-30.16	-13.00	H
17774.50	-39.77	3.60	12.80	-30.57	-13.00	H

**LTE BAND 5 20407 QPSK**

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
9166.25	-52.44	2.10	11.60	-45.09	-13.00	H
9226.75	-49.90	2.10	11.60	-42.55	-13.00	H
9294.75	-51.11	2.00	11.60	-43.66	-13.00	H
9430.25	-52.46	2.10	11.60	-45.11	-13.00	H
9477.50	-51.77	2.10	11.60	-44.42	-13.00	V
9671.75	-51.47	2.20	11.20	-44.62	-13.00	H

LTE BAND 5 20525 QPSK

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
8430.75	-52.30	1.80	11.30	-44.95	-13.00	H
8833.00	-53.05	1.90	12.00	-45.10	-13.00	H
9225.75	-51.81	2.10	11.60	-44.46	-13.00	H
9306.25	-51.18	2.00	11.60	-43.73	-13.00	H
9427.25	-51.65	2.10	11.60	-44.30	-13.00	H
9473.75	-51.57	2.10	11.60	-44.22	-13.00	V

LTE BAND 5 20643 QPSK

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
8425.50	-51.25	1.80	11.30	-43.90	-13.00	H
8452.50	-51.74	1.80	11.30	-44.39	-13.00	H
9225.25	-51.34	2.10	11.60	-43.99	-13.00	H
9302.00	-51.45	2.00	11.60	-44.00	-13.00	H
9472.00	-51.05	2.10	11.60	-43.70	-13.00	V
9750.25	-51.15	2.20	11.20	-44.30	-13.00	H

LTE BAND 5 20407 16QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarization
9224.50	-50.63	2.10	11.60	-43.28	-13.00	H
9298.25	-50.64	2.00	11.60	-43.19	-13.00	H
9419.50	-51.70	2.10	11.60	-44.35	-13.00	H
9468.50	-51.04	2.10	11.60	-43.69	-13.00	V
9720.25	-51.66	2.20	11.20	-44.81	-13.00	H
9744.50	-50.40	2.20	11.20	-43.55	-13.00	H

LTE BAND 5 20525 16QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarization
9093.75	-52.19	2.20	11.60	-44.94	-13.00	H
9157.25	-52.36	2.10	11.60	-45.01	-13.00	H
9223.75	-51.94	2.10	11.60	-44.59	-13.00	H
9301.75	-50.71	2.00	11.60	-43.26	-13.00	H
9362.50	-52.37	2.00	11.60	-44.92	-13.00	V
9474.50	-50.97	2.10	11.60	-43.62	-13.00	V

LTE BAND 5 20643 16QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarization
8525.50	-52.14	2.10	12.00	-44.39	-13.00	H
9099.00	-51.57	2.20	11.60	-44.32	-13.00	H
9106.75	-51.90	2.10	11.60	-44.55	-13.00	H
9230.00	-51.36	2.10	11.60	-44.01	-13.00	H
9299.00	-50.58	2.00	11.60	-43.13	-13.00	H
9476.25	-51.23	2.10	11.60	-43.88	-13.00	V

**LTE BAND 5 20407 64QAM**

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
9154.25	-52.40	2.10	11.60	-45.05	-13.00	H
9227.00	-51.95	2.10	11.60	-44.60	-13.00	H
9303.75	-51.06	2.00	11.60	-43.61	-13.00	H
9367.25	-52.12	2.00	11.60	-44.67	-13.00	V
9475.00	-51.42	2.10	11.60	-44.07	-13.00	V
9720.50	-51.67	2.20	11.20	-44.82	-13.00	H

LTE BAND 5 20525 64QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
8424.50	-52.43	1.80	11.30	-45.08	-13.00	H
8452.00	-52.44	1.80	11.30	-45.09	-13.00	H
9102.25	-52.08	2.20	11.60	-44.83	-13.00	H
9225.25	-51.09	2.10	11.60	-43.74	-13.00	H
9302.25	-51.16	2.00	11.60	-43.71	-13.00	H
9474.50	-50.97	2.10	11.60	-43.62	-13.00	V

LTE BAND 5 20643 64QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
8472.75	-51.97	1.80	11.30	-44.62	-13.00	H
9098.75	-51.30	2.20	11.60	-44.05	-13.00	H
9226.50	-50.69	2.10	11.60	-43.34	-13.00	H
9296.25	-51.01	2.00	11.60	-43.56	-13.00	H
9473.00	-51.25	2.10	11.60	-43.90	-13.00	V
9713.50	-51.58	2.20	11.20	-44.73	-13.00	H

**LTE BAND 7 20775 QPSK**

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarizatio n
17004.50	-53.00	2.90	14.50	-41.40	-25.00	H
17122.50	-53.50	2.90	14.50	-41.90	-25.00	H
17273.00	-53.05	3.20	14.50	-41.75	-25.00	H
17505.00	-49.84	2.90	12.80	-39.94	-25.00	H
17585.50	-49.44	3.30	12.80	-39.94	-25.00	H
17774.00	-49.89	3.60	12.80	-40.69	-25.00	H

LTE BAND 7 21100 QPSK

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarizatio n
7598.50	-48.00	1.80	11.30	-38.50	-25.00	H
16983.00	-54.82	2.90	16.50	-41.22	-25.00	H
17363.00	-53.08	3.20	14.50	-41.78	-25.00	H
17450.00	-51.27	2.90	14.50	-39.67	-25.00	H
17618.00	-49.29	3.30	12.80	-39.79	-25.00	H
17838.00	-49.32	3.60	12.80	-40.12	-25.00	H

LTE BAND 7 21425 QPSK

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarizatio n
16983.00	-54.64	2.90	16.50	-41.04	-25.00	H
17186.50	-53.43	2.90	14.50	-41.83	-25.00	H
17364.50	-52.64	3.20	14.50	-41.34	-25.00	H
17506.50	-49.68	2.90	12.80	-39.78	-25.00	H
17608.00	-49.24	3.30	12.80	-39.74	-25.00	H
17837.00	-49.35	3.60	12.80	-40.15	-25.00	H

**LTE BAND 7 20775 16QAM**

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarizatio n
16999.00	-55.02	2.90	16.50	-41.42	-25.00	H
17213.00	-53.58	2.90	14.50	-41.98	-25.00	H
17282.50	-52.96	3.20	14.50	-41.66	-25.00	H
17459.50	-51.34	2.90	14.50	-39.74	-25.00	H
17593.50	-49.01	3.30	12.80	-39.51	-25.00	H
17831.50	-49.67	3.60	12.80	-40.47	-25.00	H

LTE BAND 7 21100 16QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarizatio n
16941.50	-54.64	2.90	16.50	-41.04	-25.00	H
17211.00	-53.49	2.90	14.50	-41.89	-25.00	H
17299.00	-53.15	3.20	14.50	-41.85	-25.00	H
17521.00	-49.99	2.90	12.80	-40.09	-25.00	H
17622.00	-49.35	3.30	12.80	-39.85	-25.00	H
17840.00	-49.42	3.60	12.80	-40.22	-25.00	H

LTE BAND 7 21425 16QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarizatio n
16955.50	-55.04	2.90	16.50	-41.44	-25.00	H
17121.00	-53.63	2.90	14.50	-42.03	-25.00	H
17281.00	-53.07	3.20	14.50	-41.77	-25.00	H
17506.50	-49.73	2.90	12.80	-39.83	-25.00	H
17587.00	-49.15	3.30	12.80	-39.65	-25.00	H
17819.50	-49.52	3.60	12.80	-40.32	-25.00	H

**LTE BAND 7 20775 64QAM**

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16993.00	-54.61	2.90	16.50	-41.01	-25.00	H
17174.00	-53.59	2.90	14.50	-41.99	-25.00	H
17281.00	-53.09	3.20	14.50	-41.79	-25.00	H
17450.50	-51.45	2.90	14.50	-39.85	-25.00	H
17593.00	-49.37	3.30	12.80	-39.87	-25.00	H
17833.50	-49.67	3.60	12.80	-40.47	-25.00	H

LTE BAND 7 21100 64QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16954.50	-55.00	2.90	16.50	-41.40	-25.00	H
17188.00	-53.48	2.90	14.50	-41.88	-25.00	H
17258.00	-52.93	3.20	14.50	-41.63	-25.00	H
17520.50	-49.87	2.90	12.80	-39.97	-25.00	H
17621.00	-49.14	3.30	12.80	-39.64	-25.00	H
17840.00	-49.56	3.60	12.80	-40.36	-25.00	H

LTE BAND 7 21425 64QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16949.00	-54.86	2.90	16.50	-41.26	-25.00	H
17187.00	-53.68	2.90	14.50	-42.08	-25.00	H
17362.50	-52.68	3.20	14.50	-41.38	-25.00	H
17525.00	-49.88	2.90	12.80	-39.98	-25.00	H
17565.00	-49.13	3.30	12.80	-39.63	-25.00	H
17840.00	-49.52	3.60	12.80	-40.32	-25.00	H

**LTE BAND 12 23017 QPSK**

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
8516.25	-52.52	2.10	12.00	-44.77	-13.00	V
9112.25	-52.12	2.10	11.60	-44.77	-13.00	H
9223.50	-50.85	2.10	11.60	-43.50	-13.00	H
9295.75	-51.56	2.00	11.60	-44.11	-13.00	H
9429.50	-51.51	2.10	11.60	-44.16	-13.00	H
9462.50	-51.43	2.10	11.60	-44.08	-13.00	V

LTE BAND 12 23095 QPSK

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
8366.25	-52.33	1.80	11.30	-44.98	-13.00	H
9223.00	-50.85	2.10	11.60	-43.50	-13.00	H
9297.00	-51.11	2.00	11.60	-43.66	-13.00	H
9428.50	-52.29	2.10	11.60	-44.94	-13.00	H
9475.75	-51.71	2.10	11.60	-44.36	-13.00	V
9712.75	-51.96	2.20	11.20	-45.11	-13.00	H

LTE BAND 12 23173 QPSK

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
8426.25	-52.14	1.80	11.30	-44.79	-13.00	H
9110.50	-51.75	2.10	11.60	-44.40	-13.00	H
9226.00	-50.52	2.10	11.60	-43.17	-13.00	H
9300.25	-50.50	2.00	11.60	-43.05	-13.00	H
9424.50	-51.74	2.10	11.60	-44.39	-13.00	H
9469.25	-51.16	2.10	11.60	-43.81	-13.00	V

**LTE BAND 12 23017 16QAM**

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
9224.50	-52.19	2.10	11.60	-44.84	-13.00	H
9302.75	-51.34	2.00	11.60	-43.89	-13.00	H
9420.00	-52.49	2.10	11.60	-45.14	-13.00	H
9474.25	-52.17	2.10	11.60	-44.82	-13.00	V
9736.25	-51.81	2.20	11.20	-44.96	-13.00	H
9845.00	-51.45	2.30	11.20	-44.70	-13.00	H

LTE BAND 12 23095 16QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
8419.50	-52.34	1.80	11.30	-44.99	-13.00	H
8423.25	-52.32	1.80	11.30	-44.97	-13.00	H
9224.25	-51.79	2.10	11.60	-44.44	-13.00	H
9302.75	-50.78	2.00	11.60	-43.33	-13.00	H
9433.00	-51.74	2.10	11.60	-44.39	-13.00	H
9474.00	-51.44	2.10	11.60	-44.09	-13.00	V

LTE BAND 12 23173 16QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
9099.25	-51.69	2.20	11.60	-44.44	-13.00	H
9223.75	-51.33	2.10	11.60	-43.98	-13.00	H
9298.50	-51.66	2.00	11.60	-44.21	-13.00	H
9423.00	-51.85	2.10	11.60	-44.50	-13.00	H
9471.25	-51.75	2.10	11.60	-44.40	-13.00	V
9721.00	-51.75	2.20	11.20	-44.90	-13.00	H

**LTE BAND 12 23017 64QAM**

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarization
8582.25	-52.88	2.00	12.00	-45.03	-13.00	H
9224.00	-50.75	2.10	11.60	-43.40	-13.00	H
9297.00	-51.19	2.00	11.60	-43.74	-13.00	H
9426.50	-51.94	2.10	11.60	-44.59	-13.00	H
9476.25	-52.23	2.10	11.60	-44.88	-13.00	V
9723.00	-51.77	2.20	11.20	-44.92	-13.00	H

LTE BAND 12 23095 64QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarization
8477.75	-51.73	1.80	11.30	-44.38	-13.00	H
9100.75	-51.99	2.20	11.60	-44.74	-13.00	H
9225.25	-50.17	2.10	11.60	-42.82	-13.00	H
9299.75	-51.47	2.00	11.60	-44.02	-13.00	H
9374.25	-52.21	2.00	11.60	-44.76	-13.00	V
9471.25	-51.69	2.10	11.60	-44.34	-13.00	V

LTE BAND 12 23173 64QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarization
8747.25	-53.12	2.00	12.00	-45.27	-13.00	H
9101.50	-51.80	2.20	11.60	-44.55	-13.00	H
9225.25	-51.25	2.10	11.60	-43.90	-13.00	H
9297.75	-51.24	2.00	11.60	-43.79	-13.00	H
9370.25	-51.95	2.00	11.60	-44.50	-13.00	V
9478.50	-52.25	2.10	11.60	-44.90	-13.00	V

**LTE BAND 13 23205 QPSK**

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
1564.00	-59.56	0.70	8.10	-54.31	-40.00	H
9107.50	-51.33	2.10	11.60	-43.98	-13.00	H
9226.25	-50.80	2.10	11.60	-43.45	-13.00	H
9473.62	-50.86	2.10	11.60	-43.51	-13.00	V
9752.12	-50.17	2.20	11.20	-43.32	-13.00	H
9795.00	-51.39	2.30	11.20	-44.64	-13.00	H

LTE BAND 13 23230 QPSK

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
1566.00	-59.70	0.70	8.10	-54.45	-40.00	V
9099.25	-51.90	2.20	11.60	-44.65	-13.00	H
9296.38	-50.90	2.00	11.60	-43.45	-13.00	H
9476.12	-50.71	2.10	11.60	-43.36	-13.00	V
9716.88	-51.02	2.20	11.20	-44.17	-13.00	H
9782.25	-50.07	2.30	11.20	-43.32	-13.00	H

LTE BAND 13 23255 QPSK

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
1571.00	-59.97	0.70	8.10	-54.72	-40.00	V
7966.88	-51.54	1.90	11.30	-44.29	-13.00	H
9300.38	-50.32	2.00	11.60	-42.87	-13.00	H
9425.50	-50.94	2.10	11.60	-43.59	-13.00	H
9755.38	-50.94	2.20	11.20	-44.09	-13.00	H
9781.25	-51.44	2.30	11.20	-44.69	-13.00	H

**LTE BAND 13 23205 16QAM**

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
1569.50	-59.93	0.70	8.10	-54.68	-40.00	V
9099.88	-51.99	2.20	11.60	-44.74	-13.00	H
9301.50	-49.79	2.00	11.60	-42.34	-13.00	H
9472.75	-51.55	2.10	11.60	-44.20	-13.00	V
9725.12	-50.57	2.20	11.20	-43.72	-13.00	H
9779.00	-51.01	2.30	11.20	-44.26	-13.00	H

LTE BAND 13 23230 16QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
1569.50	-59.82	0.70	8.10	-54.57	-40.00	V
9100.25	-51.41	2.20	11.60	-44.16	-13.00	H
9293.50	-50.11	2.00	11.60	-42.66	-13.00	H
9475.38	-51.11	2.10	11.60	-43.76	-13.00	V
9747.00	-51.14	2.20	11.20	-44.29	-13.00	H
9792.12	-50.97	2.30	11.20	-44.22	-13.00	H

LTE BAND 13 23255 16QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
1565.50	-59.77	0.70	8.10	-54.52	-40.00	V
9098.25	-51.49	2.20	11.60	-44.24	-13.00	H
9307.50	-50.85	2.00	11.60	-43.40	-13.00	H
9424.00	-51.23	2.10	11.60	-43.88	-13.00	H
9737.25	-50.70	2.20	11.20	-43.85	-13.00	H
9783.75	-51.48	2.30	11.20	-44.73	-13.00	H

**LTE BAND 13 23205 64QAM**

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
1567.00	-59.47	0.70	8.10	-54.22	-40.00	V
9104.38	-51.78	2.20	11.60	-44.53	-13.00	H
9293.25	-49.90	2.00	11.60	-42.45	-13.00	H
9474.75	-50.54	2.10	11.60	-43.19	-13.00	V
9745.62	-51.43	2.20	11.20	-44.58	-13.00	H
9794.38	-51.05	2.30	11.20	-44.30	-13.00	H

LTE BAND 13 23230 64QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
1563.50	-59.15	0.70	8.10	-53.90	-40.00	V
1586.00	-60.77	0.70	8.10	-55.52	-13.00	V
8574.75	-52.67	2.10	12.00	-44.92	-13.00	H
9099.38	-52.04	2.20	11.60	-44.79	-13.00	H
9299.62	-50.64	2.00	11.60	-43.19	-13.00	H
9474.25	-51.32	2.10	11.60	-43.97	-13.00	V

LTE BAND 13 23255 64QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
1560.50	-58.70	0.70	8.10	-53.45	-40.00	V
9097.38	-52.19	2.20	11.60	-44.94	-13.00	H
9219.75	-50.80	2.10	11.60	-43.45	-13.00	H
9477.25	-51.27	2.10	11.60	-43.92	-13.00	V
9748.12	-50.43	2.20	11.20	-43.58	-13.00	H
9995.62	-51.47	2.20	11.20	-44.62	-13.00	H

LTE BAND 17 23755 QPSK

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
8386.75	-52.12	1.80	11.30	-44.77	-13.00	H
9223.50	-51.17	2.10	11.60	-43.82	-13.00	H
9301.75	-51.49	2.00	11.60	-44.04	-13.00	H
9424.75	-51.72	2.10	11.60	-44.37	-13.00	H
9475.25	-51.69	2.10	11.60	-44.34	-13.00	V
9743.75	-50.98	2.20	11.20	-44.13	-13.00	H

LTE BAND 17 23790 QPSK

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
8373.75	-52.45	1.80	11.30	-45.10	-13.00	H
9112.75	-52.43	2.10	11.60	-45.08	-13.00	H
9217.00	-51.65	2.10	11.60	-44.30	-13.00	H
9234.00	-50.71	2.10	11.60	-43.36	-13.00	H
9475.75	-51.22	2.10	11.60	-43.87	-13.00	V
9751.50	-51.59	2.20	11.20	-44.74	-13.00	H

LTE BAND 17 23825 QPSK

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
8475.00	-52.24	1.80	11.30	-44.89	-13.00	H
8851.25	-52.77	1.90	12.00	-44.82	-13.00	V
9224.75	-51.54	2.10	11.60	-44.19	-13.00	H
9296.50	-51.23	2.00	11.60	-43.78	-13.00	H
9474.00	-49.96	2.10	11.60	-42.61	-13.00	V
9742.25	-51.18	2.20	11.20	-44.33	-13.00	H

**LTE BAND 17 23755 16QAM**

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarization
7197.00	-52.88	1.80	12.00	-44.83	-13.00	V
9103.75	-51.72	2.20	11.60	-44.47	-13.00	H
9223.75	-50.48	2.10	11.60	-43.13	-13.00	H
9300.00	-51.34	2.00	11.60	-43.89	-13.00	H
9428.00	-52.39	2.10	11.60	-45.04	-13.00	H
9475.75	-51.06	2.10	11.60	-43.71	-13.00	V

LTE BAND 17 23790 16QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarization
9099.00	-51.40	2.20	11.60	-44.15	-13.00	H
9222.50	-50.85	2.10	11.60	-43.50	-13.00	H
9295.75	-51.43	2.00	11.60	-43.98	-13.00	H
9369.25	-52.07	2.00	11.60	-44.62	-13.00	V
9472.25	-52.05	2.10	11.60	-44.70	-13.00	V
9724.00	-51.34	2.20	11.20	-44.49	-13.00	H

LTE BAND 17 23825 16QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarization
9107.00	-52.07	2.10	11.60	-44.72	-13.00	H
9228.00	-51.08	2.10	11.60	-43.73	-13.00	H
9300.00	-50.47	2.00	11.60	-43.02	-13.00	H
9423.75	-52.30	2.10	11.60	-44.95	-13.00	H
9477.50	-50.75	2.10	11.60	-43.40	-13.00	V
9717.25	-51.45	2.20	11.20	-44.60	-13.00	H

**LTE BAND 17 23755 64QAM**

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
8522.50	-52.26	2.10	12.00	-44.51	-13.00	H
9220.75	-51.43	2.10	11.60	-44.08	-13.00	H
9302.00	-51.80	2.00	11.60	-44.35	-13.00	H
9425.50	-51.42	2.10	11.60	-44.07	-13.00	H
9469.00	-51.63	2.10	11.60	-44.28	-13.00	V
9721.75	-51.69	2.20	11.20	-44.84	-13.00	H

LTE BAND 17 23790 64QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
8434.00	-52.31	1.80	11.30	-44.96	-13.00	H
9098.25	-52.04	2.20	11.60	-44.79	-13.00	H
9224.25	-50.05	2.10	11.60	-42.70	-13.00	H
9302.50	-51.44	2.00	11.60	-43.99	-13.00	H
9426.50	-51.74	2.10	11.60	-44.39	-13.00	H
9474.75	-51.37	2.10	11.60	-44.02	-13.00	V

LTE BAND 17 23825 64QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
8379.25	-52.22	1.80	11.30	-44.87	-13.00	H
9100.00	-52.25	2.20	11.60	-45.00	-13.00	H
9220.50	-51.81	2.10	11.60	-44.46	-13.00	H
9292.50	-51.74	2.00	11.60	-44.29	-13.00	H
9424.25	-51.74	2.10	11.60	-44.39	-13.00	H
9475.75	-50.61	2.10	11.60	-43.26	-13.00	V

**LTE BAND 26 27033 QPSK**

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarization
9098.00	-52.69	2.20	11.60	-45.44	-13.00	H
9103.75	-52.47	2.20	11.60	-45.22	-13.00	H
9220.50	-51.61	2.10	11.60	-44.26	-13.00	H
9300.00	-51.38	2.00	11.60	-43.93	-13.00	H
9372.50	-52.15	2.00	11.60	-44.70	-13.00	V
9474.50	-51.38	2.10	11.60	-44.03	-13.00	V

LTE BAND 26 26915 QPSK

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarization
7194.00	-53.23	1.80	12.00	-45.18	-13.00	H
9094.25	-52.19	2.20	11.60	-44.94	-13.00	H
9223.75	-51.73	2.10	11.60	-44.38	-13.00	H
9299.50	-50.85	2.00	11.60	-43.40	-13.00	H
9456.50	-51.79	2.10	11.60	-44.44	-13.00	V
9705.75	-51.95	2.20	11.20	-45.10	-13.00	H

LTE BAND 26 26797 QPSK

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarization
9098.25	-52.31	2.20	11.60	-45.06	-13.00	H
9104.50	-51.33	2.20	11.60	-44.08	-13.00	H
9225.50	-51.40	2.10	11.60	-44.05	-13.00	H
9302.50	-51.54	2.00	11.60	-44.09	-13.00	H
9417.00	-51.96	2.10	11.60	-44.61	-13.00	H
9479.25	-51.44	2.10	11.60	-44.09	-13.00	V

**LTE BAND 26 27033 16QAM**

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
8368.00	-52.13	1.80	11.30	-44.78	-13.00	H
9221.75	-51.09	2.10	11.60	-43.74	-13.00	H
9306.50	-51.23	2.00	11.60	-43.78	-13.00	H
9424.25	-51.96	2.10	11.60	-44.61	-13.00	H
9474.25	-51.08	2.10	11.60	-43.73	-13.00	V
9719.00	-51.25	2.20	11.20	-44.40	-13.00	H

LTE BAND 26 26915 16QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
8718.25	-52.22	2.00	12.00	-44.37	-13.00	H
9145.50	-52.17	2.10	11.60	-44.82	-13.00	H
9219.50	-51.19	2.10	11.60	-43.84	-13.00	H
9301.00	-51.13	2.00	11.60	-43.68	-13.00	H
9424.75	-52.04	2.10	11.60	-44.69	-13.00	H
9470.50	-49.81	2.10	11.60	-42.46	-13.00	V

LTE BAND 26 26797 16QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
9091.25	-52.22	2.20	11.60	-44.97	-13.00	H
9108.25	-52.24	2.10	11.60	-44.89	-13.00	H
9226.00	-51.48	2.10	11.60	-44.13	-13.00	H
9300.50	-51.02	2.00	11.60	-43.57	-13.00	H
9428.00	-52.00	2.10	11.60	-44.65	-13.00	H
9477.75	-51.83	2.10	11.60	-44.48	-13.00	V

**LTE BAND 26 27033 64QAM**

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
9097.50	-52.14	2.20	11.60	-44.89	-13.00	H
9160.00	-52.28	2.10	11.60	-44.93	-13.00	H
9224.75	-51.55	2.10	11.60	-44.20	-13.00	H
9301.25	-51.46	2.00	11.60	-44.01	-13.00	H
9431.75	-51.99	2.10	11.60	-44.64	-13.00	H
9475.75	-51.43	2.10	11.60	-44.08	-13.00	V

LTE BAND 26 26915 64QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
8428.50	-52.53	1.80	11.30	-45.18	-13.00	H
9222.00	-51.46	2.10	11.60	-44.11	-13.00	H
9309.75	-51.61	2.00	11.60	-44.16	-13.00	H
9372.00	-51.99	2.00	11.60	-44.54	-13.00	V
9473.25	-52.13	2.10	11.60	-44.78	-13.00	V
9718.25	-51.65	2.20	11.20	-44.80	-13.00	H

LTE BAND 26 26797 64QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
8654.75	-52.68	2.00	12.00	-44.83	-13.00	H
9096.00	-51.89	2.20	11.60	-44.64	-13.00	H
9105.25	-52.03	2.20	11.60	-44.78	-13.00	H
9225.00	-51.35	2.10	11.60	-44.00	-13.00	H
9303.00	-50.74	2.00	11.60	-43.29	-13.00	H
9426.50	-51.78	2.10	11.60	-44.43	-13.00	H

**LTE BAND 26 26783 QPSK**

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
8414.25	-51.70	1.80	11.30	-44.35	-13.00	H
8521.00	-52.73	2.10	12.00	-44.98	-13.00	V
9217.50	-51.58	2.10	11.60	-44.23	-13.00	H
9305.50	-50.53	2.00	11.60	-43.08	-13.00	H
9363.75	-52.11	2.00	11.60	-44.66	-13.00	V
9469.50	-51.75	2.10	11.60	-44.40	-13.00	V

LTE BAND 26 26740 QPSK

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
8473.50	-52.36	1.80	11.30	-45.01	-13.00	H
9097.50	-51.00	2.20	11.60	-43.75	-13.00	H
9224.25	-51.10	2.10	11.60	-43.75	-13.00	H
9299.75	-51.18	2.00	11.60	-43.73	-13.00	H
9431.00	-51.41	2.10	11.60	-44.06	-13.00	H
9470.50	-51.60	2.10	11.60	-44.25	-13.00	V

LTE BAND 26 26697 QPSK

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
8470.50	-52.32	1.80	11.30	-44.97	-13.00	H
9120.00	-52.00	2.10	11.60	-44.65	-13.00	V
9224.50	-51.79	2.10	11.60	-44.44	-13.00	H
9298.75	-51.01	2.00	11.60	-43.56	-13.00	H
9426.50	-52.35	2.10	11.60	-45.00	-13.00	H
9476.00	-50.94	2.10	11.60	-43.59	-13.00	V

**LTE BAND 26 26783 16QAM**

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
8456.25	-51.10	1.80	11.30	-43.75	-13.00	H
9097.50	-51.46	2.20	11.60	-44.21	-13.00	H
9108.75	-51.59	2.10	11.60	-44.24	-13.00	H
9222.75	-51.70	2.10	11.60	-44.35	-13.00	H
9296.00	-51.26	2.00	11.60	-43.81	-13.00	H
9424.25	-51.92	2.10	11.60	-44.57	-13.00	H

LTE BAND 26 26740 16QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
9099.25	-51.57	2.20	11.60	-44.32	-13.00	H
9161.50	-52.31	2.10	11.60	-44.96	-13.00	H
9220.75	-50.80	2.10	11.60	-43.45	-13.00	H
9300.75	-51.20	2.00	11.60	-43.75	-13.00	H
9423.50	-52.12	2.10	11.60	-44.77	-13.00	H
9473.75	-51.00	2.10	11.60	-43.65	-13.00	V

LTE BAND 26 26697 16QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
8474.25	-52.27	1.80	11.30	-44.92	-13.00	H
8900.00	-52.62	1.90	12.00	-44.67	-13.00	H
9223.00	-51.25	2.10	11.60	-43.90	-13.00	H
9300.00	-51.33	2.00	11.60	-43.88	-13.00	H
9472.00	-51.81	2.10	11.60	-44.46	-13.00	V
9718.50	-51.74	2.20	11.20	-44.89	-13.00	H

**LTE BAND 26 26783 64QAM**

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
8427.00	-52.45	1.80	11.30	-45.10	-13.00	H
8526.25	-52.85	2.10	12.00	-45.10	-13.00	H
9226.50	-51.80	2.10	11.60	-44.45	-13.00	H
9300.25	-50.69	2.00	11.60	-43.24	-13.00	H
9423.50	-52.12	2.10	11.60	-44.77	-13.00	H
9476.50	-51.56	2.10	11.60	-44.21	-13.00	V

LTE BAND 26 26740 64QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
8743.25	-52.88	2.00	12.00	-45.03	-13.00	H
8976.50	-52.45	2.00	12.00	-44.60	-13.00	H
9103.75	-50.69	2.20	11.60	-43.44	-13.00	H
9221.00	-51.84	2.10	11.60	-44.49	-13.00	H
9300.00	-50.97	2.00	11.60	-43.52	-13.00	H
9473.25	-51.56	2.10	11.60	-44.21	-13.00	V

LTE BAND 26 26697 64QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Polarizatio n
8456.00	-52.28	1.80	11.30	-44.93	-13.00	H
9100.00	-52.31	2.20	11.60	-45.06	-13.00	H
9226.00	-51.51	2.10	11.60	-44.16	-13.00	H
9353.75	-50.81	2.00	11.60	-43.36	-13.00	V
9427.25	-51.69	2.10	11.60	-44.34	-13.00	H
9475.75	-51.23	2.10	11.60	-43.88	-13.00	V

**LTE BAND 38 37775 QPSK**

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16984.50	-54.79	2.90	16.50	-41.19	-25.00	H
17187.00	-53.71	2.90	14.50	-42.11	-25.00	H
17298.50	-53.10	3.20	14.50	-41.80	-25.00	H
17506.50	-49.95	2.90	12.80	-40.05	-25.00	H
17589.50	-49.18	3.30	12.80	-39.68	-25.00	H
17839.50	-49.37	3.60	12.80	-40.17	-25.00	H

LTE BAND 38 38000 QPSK

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16979.00	-54.87	2.90	16.50	-41.27	-25.00	H
17125.50	-53.18	2.90	14.50	-41.58	-25.00	H
17301.00	-53.09	3.20	14.50	-41.79	-25.00	H
17509.50	-49.62	2.90	12.80	-39.72	-25.00	H
17595.00	-49.58	3.30	12.80	-40.08	-25.00	H
17821.50	-49.63	3.60	12.80	-40.43	-25.00	H

LTE BAND 38 38225 QPSK

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16961.50	-55.11	2.90	16.50	-41.51	-25.00	H
17209.00	-53.69	2.90	14.50	-42.09	-25.00	H
17367.00	-53.01	3.20	14.50	-41.71	-25.00	H
17499.00	-51.61	2.90	14.50	-40.01	-25.00	H
17527.00	-49.81	2.90	12.80	-39.91	-25.00	H
17783.50	-49.62	3.60	12.80	-40.42	-25.00	H

**LTE BAND 38 37775 16QAM**

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarizatio n
16989.50	-54.97	2.90	16.50	-41.37	-25.00	H
17116.00	-53.62	2.90	14.50	-42.02	-25.00	H
17295.00	-52.47	3.20	14.50	-41.17	-25.00	H
17524.50	-49.78	2.90	12.80	-39.88	-25.00	H
17583.00	-49.48	3.30	12.80	-39.98	-25.00	H
17840.00	-49.79	3.60	12.80	-40.59	-25.00	H

LTE BAND 38 38000 16QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarizatio n
16992.00	-55.11	2.90	16.50	-41.51	-25.00	H
17191.00	-53.74	2.90	14.50	-42.14	-25.00	H
17270.50	-53.11	3.20	14.50	-41.81	-25.00	H
17447.00	-51.68	2.90	14.50	-40.08	-25.00	H
17571.50	-49.10	3.30	12.80	-39.60	-25.00	H
17838.50	-49.55	3.60	12.80	-40.35	-25.00	H

LTE BAND 38 38225 16QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarizatio n
16957.50	-54.76	2.90	16.50	-41.16	-25.00	H
17135.00	-53.55	2.90	14.50	-41.95	-25.00	H
17362.50	-53.22	3.20	14.50	-41.92	-25.00	H
17510.00	-49.82	2.90	12.80	-39.92	-25.00	H
17621.00	-49.29	3.30	12.80	-39.79	-25.00	H
17835.50	-49.77	3.60	12.80	-40.57	-25.00	H

**LTE BAND 38 37775 64QAM**

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarizatio n
17003.50	-53.06	2.90	14.50	-41.46	-25.00	H
17125.00	-53.82	2.90	14.50	-42.22	-25.00	H
17354.50	-53.18	3.20	14.50	-41.88	-25.00	H
17519.50	-49.91	2.90	12.80	-40.01	-25.00	H
17625.00	-49.41	3.30	12.80	-39.91	-25.00	H
17840.00	-49.72	3.60	12.80	-40.52	-25.00	H

LTE BAND 38 38000 64QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarizatio n
16978.50	-54.76	2.90	16.50	-41.16	-25.00	H
17209.50	-53.47	2.90	14.50	-41.87	-25.00	H
17353.00	-52.85	3.20	14.50	-41.55	-25.00	H
17460.50	-51.58	2.90	14.50	-39.98	-25.00	H
17626.50	-49.36	3.30	12.80	-39.86	-25.00	H
17835.50	-49.87	3.60	12.80	-40.67	-25.00	H

LTE BAND 38 38225 64QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarizatio n
16940.50	-54.93	2.90	16.50	-41.33	-25.00	H
17197.50	-53.43	2.90	14.50	-41.83	-25.00	H
17361.00	-53.17	3.20	14.50	-41.87	-25.00	H
17514.00	-49.76	2.90	12.80	-39.86	-25.00	H
17614.50	-49.34	3.30	12.80	-39.84	-25.00	H
17839.00	-49.64	3.60	12.80	-40.44	-25.00	H

**LTE BAND 41 39675 QPSK**

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarizatio n
16959.00	-54.95	2.90	16.50	-41.35	-25.00	H
17207.50	-53.84	2.90	14.50	-42.24	-25.00	H
17346.00	-53.38	3.20	14.50	-42.08	-25.00	H
17488.50	-51.82	2.90	14.50	-40.22	-25.00	H
17617.00	-49.23	3.30	12.80	-39.73	-25.00	H
17838.00	-49.96	3.60	12.80	-40.76	-25.00	H

LTE BAND 41 40620 QPSK

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarizatio n
16977.50	-54.76	2.90	16.50	-41.16	-25.00	H
17214.00	-53.65	2.90	14.50	-42.05	-25.00	H
17297.00	-53.04	3.20	14.50	-41.74	-25.00	H
17447.00	-51.53	2.90	14.50	-39.93	-25.00	H
17612.00	-49.23	3.30	12.80	-39.73	-25.00	H
17774.50	-49.70	3.60	12.80	-40.50	-25.00	H

LTE BAND 41 41565 QPSK

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarizatio n
16967.50	-55.14	2.90	16.50	-41.54	-25.00	H
17182.50	-53.77	2.90	14.50	-42.17	-25.00	H
17366.50	-53.08	3.20	14.50	-41.78	-25.00	H
17508.00	-50.02	2.90	12.80	-40.12	-25.00	H
17578.00	-49.57	3.30	12.80	-40.07	-25.00	H
17835.00	-49.70	3.60	12.80	-40.50	-25.00	H

**LTE BAND 41 39675 16QAM**

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarizatio n
16961.50	-54.73	2.90	16.50	-41.13	-25.00	H
17165.50	-53.82	2.90	14.50	-42.22	-25.00	H
17281.50	-53.13	3.20	14.50	-41.83	-25.00	H
17455.00	-51.42	2.90	14.50	-39.82	-25.00	H
17606.50	-49.48	3.30	12.80	-39.98	-25.00	H
17835.50	-49.63	3.60	12.80	-40.43	-25.00	H

LTE BAND 41 40620 16QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarizatio n
17001.00	-52.96	2.90	14.50	-41.36	-25.00	H
17120.00	-53.73	2.90	14.50	-42.13	-25.00	H
17282.50	-53.33	3.20	14.50	-42.03	-25.00	H
17509.50	-49.78	2.90	12.80	-39.88	-25.00	H
17545.50	-49.68	2.90	12.80	-39.78	-25.00	H
17839.00	-49.75	3.60	12.80	-40.55	-25.00	H

LTE BAND 41 41565 16QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarizatio n
16960.00	-55.10	2.90	16.50	-41.50	-25.00	H
17199.50	-53.87	2.90	14.50	-42.27	-25.00	H
17299.00	-52.97	3.20	14.50	-41.67	-25.00	H
17524.50	-49.63	2.90	12.80	-39.73	-25.00	H
17589.50	-49.21	3.30	12.80	-39.71	-25.00	H
17831.00	-49.93	3.60	12.80	-40.73	-25.00	H

**LTE BAND 41 39675 64QAM**

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarizatio n
16935.50	-54.98	2.90	16.50	-41.38	-25.00	H
17124.50	-53.59	2.90	14.50	-41.99	-25.00	H
17368.50	-53.03	3.20	14.50	-41.73	-25.00	H
17453.00	-51.13	2.90	14.50	-39.53	-25.00	H
17612.00	-49.44	3.30	12.80	-39.94	-25.00	H
17840.00	-49.29	3.60	12.80	-40.09	-25.00	H

LTE BAND 41 40620 64QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarizatio n
17000.50	-52.98	2.90	14.50	-41.38	-25.00	H
17119.00	-53.91	2.90	14.50	-42.31	-25.00	H
17368.00	-52.97	3.20	14.50	-41.67	-25.00	H
17450.00	-51.40	2.90	14.50	-39.80	-25.00	H
17569.00	-49.49	3.30	12.80	-39.99	-25.00	H
17833.00	-49.61	3.60	12.80	-40.41	-25.00	H

LTE BAND 41 41565 64QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarizatio n
16965.00	-55.10	2.90	16.50	-41.50	-25.00	H
17211.50	-53.80	2.90	14.50	-42.20	-25.00	H
17368.50	-53.02	3.20	14.50	-41.72	-25.00	H
17462.50	-51.63	2.90	14.50	-40.03	-25.00	H
17573.00	-49.57	3.30	12.80	-40.07	-25.00	H
17839.50	-49.85	3.60	12.80	-40.65	-25.00	H

**LTE BAND 66 131979 QPSK**

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarizatio n
16981.00	-44.48	2.90	16.50	-30.88	-13.00	H
17127.00	-43.66	2.90	14.50	-32.06	-13.00	H
17224.50	-43.42	3.20	14.50	-32.12	-13.00	H
17519.00	-39.81	2.90	12.80	-29.91	-13.00	H
17614.00	-39.67	3.30	12.80	-30.17	-13.00	H
17840.00	-39.76	3.60	12.80	-30.56	-13.00	H

LTE BAND 66 132322 QPSK

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarizatio n
16985.50	-43.93	2.90	16.50	-30.33	-13.00	H
17181.00	-43.23	2.90	14.50	-31.63	-13.00	H
17367.00	-42.97	3.20	14.50	-31.67	-13.00	H
17435.00	-41.60	2.90	14.50	-30.00	-13.00	H
17547.00	-39.68	2.90	12.80	-29.78	-13.00	H
17780.50	-39.56	3.60	12.80	-30.36	-13.00	H

LTE BAND 66 132665 QPSK

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarizatio n
16983.00	-44.59	2.90	16.50	-30.99	-13.00	H
17120.00	-43.96	2.90	14.50	-32.36	-13.00	H
17295.50	-43.50	3.20	14.50	-32.20	-13.00	H
17507.00	-40.28	2.90	12.80	-30.38	-13.00	H
17595.50	-39.27	3.30	12.80	-29.77	-13.00	H
17797.50	-40.29	3.60	12.80	-31.09	-13.00	H

**LTE BAND 66 131979 16QAM**

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarizatio n
16993.00	-45.24	2.90	16.50	-31.64	-13.00	H
17126.00	-43.79	2.90	14.50	-32.19	-13.00	H
17357.50	-43.30	3.20	14.50	-32.00	-13.00	H
17466.00	-41.81	2.90	14.50	-30.21	-13.00	H
17624.00	-39.74	3.30	12.80	-30.24	-13.00	H
17835.50	-39.91	3.60	12.80	-30.71	-13.00	H

LTE BAND 66 132322 16QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarizatio n
16988.50	-44.93	2.90	16.50	-31.33	-13.00	H
17120.00	-43.52	2.90	14.50	-31.92	-13.00	H
17237.50	-43.25	3.20	14.50	-31.95	-13.00	H
17460.50	-41.82	2.90	14.50	-30.22	-13.00	H
17561.50	-39.21	3.30	12.80	-29.71	-13.00	H
17768.50	-39.74	3.60	12.80	-30.54	-13.00	H

LTE BAND 66 132665 16QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarizatio n
16932.00	-44.86	2.90	16.50	-31.26	-13.00	H
17117.00	-43.96	2.90	14.50	-32.36	-13.00	H
17272.00	-43.67	3.20	14.50	-32.37	-13.00	H
17476.00	-41.56	2.90	14.50	-29.96	-13.00	H
17607.50	-39.20	3.30	12.80	-29.70	-13.00	H
17837.50	-39.41	3.60	12.80	-30.21	-13.00	H

**LTE BAND 66 131979 64QAM**

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarizatio n
16472.50	-46.95	2.70	17.40	-32.25	-13.00	H
16974.00	-43.77	2.90	16.50	-30.17	-13.00	H
17358.50	-42.88	3.20	14.50	-31.58	-13.00	H
17484.00	-41.62	2.90	14.50	-30.02	-13.00	H
17618.50	-39.65	3.30	12.80	-30.15	-13.00	H
17828.00	-39.36	3.60	12.80	-30.16	-13.00	H

LTE BAND 66 132322 64QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarizatio n
16950.50	-44.98	2.90	16.50	-31.38	-13.00	H
17202.00	-43.34	2.90	14.50	-31.74	-13.00	H
17250.00	-43.31	3.20	14.50	-32.01	-13.00	H
17515.50	-40.29	2.90	12.80	-30.39	-13.00	H
17579.00	-39.41	3.30	12.80	-29.91	-13.00	H
17839.50	-40.16	3.60	12.80	-30.96	-13.00	H

LTE BAND 66 132665 64QAM

Frequency (MHz)	P _{Mea} (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarizatio n
16936.00	-45.71	2.90	16.50	-32.11	-13.00	H
17111.00	-43.36	2.90	14.50	-31.76	-13.00	H
17277.00	-42.71	3.20	14.50	-31.41	-13.00	H
17468.00	-41.81	2.90	14.50	-30.21	-13.00	H
17578.00	-38.93	3.30	12.80	-29.43	-13.00	H
17839.50	-39.17	3.60	12.80	-29.97	-13.00	H

**LTE BAND CA_7C QPSK 20MHz+20MHz Channel 20850+21048**

Frequency(MHz)	Ppm (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16995.50	-54.80	2.90	16.50	-41.20	-25.00	H
17213.50	-53.71	2.90	14.50	-42.11	-25.00	H
17278.50	-52.74	3.20	14.50	-41.44	-25.00	H
17521.00	-49.65	2.90	12.80	-39.75	-25.00	H
17574.50	-49.21	3.30	12.80	-39.71	-25.00	H
17840.00	-49.48	3.60	12.80	-40.28	-25.00	H

LTE BAND CA_7C QPSK 20MHz+20MHz Channel 21001+21199

Frequency(MHz)	Ppm (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16954.00	-55.06	2.90	16.50	-41.46	-25.00	H
17099.50	-53.69	2.90	14.50	-42.09	-25.00	H
17281.00	-53.03	3.20	14.50	-41.73	-25.00	H
17503.50	-49.52	2.90	12.80	-39.62	-25.00	H
17626.00	-49.31	3.30	12.80	-39.81	-25.00	H
17835.50	-49.56	3.60	12.80	-40.36	-25.00	H

LTE BAND CA_7C QPSK 20MHz+20MHz Channel 21152+21350

Frequency(MHz)	Ppm (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16988.50	-54.83	2.90	16.50	-41.23	-25.00	H
17173.50	-53.69	2.90	14.50	-42.09	-25.00	H
17279.50	-52.87	3.20	14.50	-41.57	-25.00	H
17509.50	-49.57	2.90	12.80	-39.67	-25.00	H
17528.50	-49.82	2.90	12.80	-39.92	-25.00	H
17773.50	-49.92	3.60	12.80	-40.72	-25.00	H

**LTE BAND CA_7C 16QAM 20MHz+20MHz Channel 20850+21048**

Frequency(MHz)	Ppm (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16965.00	-55.27	2.90	16.50	-41.67	-25.00	H
17188.00	-53.69	2.90	14.50	-42.09	-25.00	H
17362.00	-53.37	3.20	14.50	-42.07	-25.00	H
17508.00	-50.05	2.90	12.80	-40.15	-25.00	H
17574.50	-49.41	3.30	12.80	-39.91	-25.00	H
17839.50	-49.83	3.60	12.80	-40.63	-25.00	H

LTE BAND CA_7C 16QAM 20MHz+20MHz Channel 21001+21199

Frequency(MHz)	Ppm (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16936.00	-54.74	2.90	16.50	-41.14	-25.00	H
17115.00	-53.58	2.90	14.50	-41.98	-25.00	H
17297.00	-52.90	3.20	14.50	-41.60	-25.00	H
17458.00	-51.39	2.90	14.50	-39.79	-25.00	H
17600.00	-49.18	3.30	12.80	-39.68	-25.00	H
17839.00	-49.52	3.60	12.80	-40.32	-25.00	H

LTE BAND CA_7C 16QAM 20MHz+20MHz Channel 21152+21350

Frequency(MHz)	Ppm (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16940.50	-54.64	2.90	16.50	-41.04	-25.00	H
17119.50	-53.56	2.90	14.50	-41.96	-25.00	H
17368.00	-52.87	3.20	14.50	-41.57	-25.00	H
17522.00	-49.80	2.90	12.80	-39.90	-25.00	H
17579.50	-49.27	3.30	12.80	-39.77	-25.00	H
17840.00	-49.58	3.60	12.80	-40.38	-25.00	H

**LTE BAND CA_7C 64QAM 20MHz+20MHz Channel 20850+21048**

Frequency(MHz)	Ppm (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16991.50	-55.08	2.90	16.50	-41.48	-25.00	H
17121.00	-53.78	2.90	14.50	-42.18	-25.00	H
17281.50	-53.35	3.20	14.50	-42.05	-25.00	H
17520.50	-49.95	2.90	12.80	-40.05	-25.00	H
17577.00	-49.20	3.30	12.80	-39.70	-25.00	H
17777.50	-49.89	3.60	12.80	-40.69	-25.00	H

LTE BAND CA_7C 64QAM 20MHz+20MHz Channel 21001+21199

Frequency(MHz)	Ppm (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16940.50	-54.94	2.90	16.50	-41.34	-25.00	H
17188.00	-53.72	2.90	14.50	-42.12	-25.00	H
17276.50	-52.91	3.20	14.50	-41.61	-25.00	H
17520.00	-49.82	2.90	12.80	-39.92	-25.00	H
17593.50	-49.15	3.30	12.80	-39.65	-25.00	H
17826.50	-49.53	3.60	12.80	-40.33	-25.00	H

LTE BAND CA_7C 64QAM 20MHz+20MHz Channel 21152+21350

Frequency(MHz)	Ppm (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
17001.50	-52.94	2.90	14.50	-41.34	-25.00	H
17188.50	-53.75	2.90	14.50	-42.15	-25.00	H
17295.50	-53.08	3.20	14.50	-41.78	-25.00	H
17509.50	-49.90	2.90	12.80	-40.00	-25.00	H
17622.00	-49.02	3.30	12.80	-39.52	-25.00	H
17775.50	-49.74	3.60	12.80	-40.54	-25.00	H

**LTE BAND CA_38C QPSK 20MHz+20MHz Channel 37850+38048**

Frequency(MHz)	Ppm (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16949.50	-54.66	2.90	16.50	-41.06	-25.00	H
17117.00	-53.63	2.90	14.50	-42.03	-25.00	H
17295.00	-52.98	3.20	14.50	-41.68	-25.00	H
17505.00	-49.62	2.90	12.80	-39.72	-25.00	H
17619.50	-49.22	3.30	12.80	-39.72	-25.00	H
17839.00	-49.56	3.60	12.80	-40.36	-25.00	H

LTE BAND CA_38C QPSK 20MHz+20MHz Channel 37901+38099

Frequency(MHz)	Ppm (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16984.00	-54.93	2.90	16.50	-41.33	-25.00	H
17200.00	-53.51	2.90	14.50	-41.91	-25.00	H
17358.00	-52.99	3.20	14.50	-41.69	-25.00	H
17525.00	-49.67	2.90	12.80	-39.77	-25.00	H
17529.50	-49.64	2.90	12.80	-39.74	-25.00	H
17833.50	-49.62	3.60	12.80	-40.42	-25.00	H

LTE BAND CA_38C QPSK 20MHz+20MHz Channel 37952+38150

Frequency(MHz)	Ppm (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16984.50	-55.05	2.90	16.50	-41.45	-25.00	H
17212.00	-53.69	2.90	14.50	-42.09	-25.00	H
17279.00	-53.00	3.20	14.50	-41.70	-25.00	H
17506.50	-49.79	2.90	12.80	-39.89	-25.00	H
17525.50	-49.50	2.90	12.80	-39.60	-25.00	H
17840.00	-49.26	3.60	12.80	-40.06	-25.00	H

**LTE BAND CA_38C 16QAM 20MHz+20MHz Channel 37850+38048**

Frequency(MHz)	Ppm (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16959.50	-54.81	2.90	16.50	-41.21	-25.00	H
17184.00	-53.72	2.90	14.50	-42.12	-25.00	H
17368.00	-52.88	3.20	14.50	-41.58	-25.00	H
17507.00	-49.81	2.90	12.80	-39.91	-25.00	H
17622.00	-49.17	3.30	12.80	-39.67	-25.00	H
17838.00	-49.58	3.60	12.80	-40.38	-25.00	H

LTE BAND CA_38C 16QAM 20MHz+20MHz Channel 37901+38099

Frequency(MHz)	Ppm (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16933.00	-54.94	2.90	16.50	-41.34	-25.00	H
17164.50	-53.48	2.90	14.50	-41.88	-25.00	H
17368.00	-52.98	3.20	14.50	-41.68	-25.00	H
17511.00	-49.80	2.90	12.80	-39.90	-25.00	H
17619.00	-49.53	3.30	12.80	-40.03	-25.00	H
17776.00	-49.52	3.60	12.80	-40.32	-25.00	H

LTE BAND CA_38C 16QAM 20MHz+20MHz Channel 37952+38150

Frequency(MHz)	Ppm (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16965.00	-54.89	2.90	16.50	-41.29	-25.00	H
17206.00	-53.71	2.90	14.50	-42.11	-25.00	H
17364.50	-52.94	3.20	14.50	-41.64	-25.00	H
17503.50	-49.71	2.90	12.80	-39.81	-25.00	H
17587.50	-49.51	3.30	12.80	-40.01	-25.00	H
17825.00	-49.44	3.60	12.80	-40.24	-25.00	H

**LTE BAND CA_38C 64QAM 20MHz+20MHz Channel 37850+38048**

Frequency(MHz)	Ppm (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16984.50	-55.05	2.90	16.50	-41.45	-25.00	H
17212.00	-53.69	2.90	14.50	-42.09	-25.00	H
17279.00	-53.00	3.20	14.50	-41.70	-25.00	H
17506.50	-49.79	2.90	12.80	-39.89	-25.00	H
17525.50	-49.50	2.90	12.80	-39.60	-25.00	H
17840.00	-49.26	3.60	12.80	-40.06	-25.00	H

LTE BAND CA_38C 64QAM 20MHz+20MHz Channel 37901+38099

Frequency(MHz)	Ppm (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16965.50	-54.74	2.90	16.50	-41.14	-25.00	H
17125.50	-53.47	2.90	14.50	-41.87	-25.00	H
17289.50	-52.94	3.20	14.50	-41.64	-25.00	H
17509.00	-49.87	2.90	12.80	-39.97	-25.00	H
17625.00	-49.19	3.30	12.80	-39.69	-25.00	H
17836.50	-49.59	3.60	12.80	-40.39	-25.00	H

LTE BAND CA_38C 64QAM 20MHz+20MHz Channel 37952+38150

Frequency(MHz)	Ppm (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16982.50	-54.62	2.90	16.50	-41.02	-25.00	H
17203.50	-53.54	2.90	14.50	-41.94	-25.00	H
17283.00	-52.85	3.20	14.50	-41.55	-25.00	H
17509.50	-49.94	2.90	12.80	-40.04	-25.00	H
17612.00	-49.29	3.30	12.80	-39.79	-25.00	H
17839.50	-49.68	3.60	12.80	-40.48	-25.00	H

**LTE BAND CA_41C QPSK 20MHz+20MHz Channel 39750+39948**

Frequency(MHz)	Ppm (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16970.00	-54.85	2.90	16.50	-41.25	-25.00	H
17119.00	-53.63	2.90	14.50	-42.03	-25.00	H
17303.50	-52.68	3.20	14.50	-41.38	-25.00	H
17515.50	-49.74	2.90	12.80	-39.84	-25.00	H
17525.50	-49.55	2.90	12.80	-39.65	-25.00	H
17839.00	-49.64	3.60	12.80	-40.44	-25.00	H

LTE BAND CA_41C QPSK 20MHz+20MHz Channel 40521+40719

Frequency(MHz)	Ppm (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16950.50	-54.96	2.90	16.50	-41.36	-25.00	H
17139.50	-53.50	2.90	14.50	-41.90	-25.00	H
17366.50	-53.12	3.20	14.50	-41.82	-25.00	H
17435.50	-51.53	2.90	14.50	-39.93	-25.00	H
17596.50	-49.36	3.30	12.80	-39.86	-25.00	H
17840.00	-49.80	3.60	12.80	-40.60	-25.00	H

LTE BAND CA_41C QPSK 20MHz+20MHz Channel 41292+41490

Frequency(MHz)	Ppm (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16934.00	-54.13	2.90	16.50	-40.53	-25.00	H
17212.50	-52.34	2.90	14.50	-40.74	-25.00	H
17289.00	-51.65	3.20	14.50	-40.35	-25.00	H
17451.50	-50.64	2.90	14.50	-39.04	-25.00	H
17588.00	-48.08	3.30	12.80	-38.58	-25.00	H
17839.50	-48.70	3.60	12.80	-39.50	-25.00	H

**LTE BAND CA_41C 16QAM 20MHz+20MHz Channel 39750+39948**

Frequency(MHz)	Ppm (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16984.00	-54.90	2.90	16.50	-41.30	-25.00	H
17189.00	-53.73	2.90	14.50	-42.13	-25.00	H
17279.00	-52.30	3.20	14.50	-41.00	-25.00	H
17509.00	-49.79	2.90	12.80	-39.89	-25.00	H
17593.50	-49.15	3.30	12.80	-39.65	-25.00	H
17774.50	-49.47	3.60	12.80	-40.27	-25.00	H

LTE BAND CA_41C 16QAM 20MHz+20MHz Channel 40521+40719

Frequency(MHz)	Ppm (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16940.50	-54.78	2.90	16.50	-41.18	-25.00	H
17202.50	-53.66	2.90	14.50	-42.06	-25.00	H
17368.00	-52.83	3.20	14.50	-41.53	-25.00	H
17512.50	-49.16	2.90	12.80	-39.26	-25.00	H
17525.50	-49.78	2.90	12.80	-39.88	-25.00	H
17833.50	-49.41	3.60	12.80	-40.21	-25.00	H

LTE BAND CA_41C 16QAM 20MHz+20MHz Channel 41292+41490

Frequency(MHz)	Ppm (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16985.50	-54.18	2.90	16.50	-40.58	-25.00	H
17213.50	-53.02	2.90	14.50	-41.42	-25.00	H
17298.00	-52.22	3.20	14.50	-40.92	-25.00	H
17445.50	-50.53	2.90	14.50	-38.93	-25.00	H
17622.50	-48.42	3.30	12.80	-38.92	-25.00	H
17837.00	-49.09	3.60	12.80	-39.89	-25.00	H

**LTE BAND CA_41C 64QAM 20MHz+20MHz Channel 39750+39948**

Frequency(MHz)	Ppm (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16987.00	-53.68	2.90	16.50	-40.08	-25.00	H
17202.50	-52.21	2.90	14.50	-40.61	-25.00	H
17294.50	-51.26	3.20	14.50	-39.96	-25.00	H
17509.50	-48.47	2.90	12.80	-38.57	-25.00	H
17624.50	-47.81	3.30	12.80	-38.31	-25.00	H
17778.00	-47.84	3.60	12.80	-38.64	-25.00	H

LTE BAND CA_41C 64QAM 20MHz+20MHz Channel 40521+40719

Frequency(MHz)	Ppm (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16997.50	-54.85	2.90	16.50	-41.25	-25.00	H
17210.00	-53.39	2.90	14.50	-41.79	-25.00	H
17365.50	-52.88	3.20	14.50	-41.58	-25.00	H
17455.00	-51.50	2.90	14.50	-39.90	-25.00	H
17617.00	-49.25	3.30	12.80	-39.75	-25.00	H
17839.00	-49.66	3.60	12.80	-40.46	-25.00	H

LTE BAND CA_41C 64QAM 20MHz+20MHz Channel 41292+41490

Frequency(MHz)	Ppm (dBm)	Path loss	Ga Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)	Polarization
16980.50	-54.92	2.90	16.50	-41.32	-25.00	H
17120.00	-53.62	2.90	14.50	-42.02	-25.00	H
17301.00	-53.04	3.20	14.50	-41.74	-25.00	H
17500.50	-49.80	2.90	12.80	-39.90	-25.00	H
17578.00	-49.44	3.30	12.80	-39.94	-25.00	H
17838.00	-49.62	3.60	12.80	-40.42	-25.00	H

Note: The maximum value of expanded measurement uncertainty for this test item is $U = 2.87\text{dB}(30\text{MHz}-3\text{GHz})/3.35\text{dB}(3\text{GHz}-18\text{GHz})/2.68\text{dB}(18\text{GHz}-40\text{GHz})$, $k = 2$



A.3 FREQUENCY STABILITY

A.3.1 Method of Measurement

Frequency stability is a measure of the frequency drift due to temperature and supply voltage variations, with reference to the frequency measured at +20 °C and rated supply voltage. Two reference points are established at the applicable unwanted emissions limit using a RBW equal to the RBW required by the unwanted emissions specification of the applicable regulatory standard. These reference points measured using the lowest and highest channel of operation shall be identified as F_L and F_H respectively.

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 CMW500

1. Measure the carrier frequency at room temperature.
2. Subject the EUT to overnight soak at -30°C.
3. With the EUT, powered via nominal voltage, connected to the CMW500 and in a simulated call on mid channel of each band, 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 10°C increments from -30°C to +50°C. Allow at least 1.5 hours at each temperature, unpowered, before making measurements.
5. Re-measure carrier frequency at room temperature with nominal voltage. Vary supply voltage from minimum voltage to maximum voltage, in 0.1Volt increments e-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 +50°C.
7. With the EUT, powered via nominal voltage, connected to the CMW500 and in a simulated call on the center 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 10°C increments from +50°C to -30°C. Allow at least 1.5 hours at each temperature, unpowered, before making measurements.
9. At all temperature levels hold the temperature to +/- 0.5°C during the measurement procedure.

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 the lower, higher and nominal voltage. 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.

A.3.2 Measurement results

LTE Band 2, 20MHz bandwidth (worst case of all bandwidths)

Frequency Error vs Temperature

Temperature(°C)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	7.66	1850.790	1909.230		
50				-1.30	0.0007
40				-1.20	0.0006
30				-2.52	0.0013
10				-0.94	0.0005
0				-1.45	0.0008
-10				-1.53	0.0008
-20				2.32	0.0012
-30				2.56	0.0014

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
6.70	20	1850.790	1909.230	2.35	0.0012
9.04				2.53	0.0013

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

LTE Band 4, 20MHz bandwidth (worst case of all bandwidths)

Frequency Error vs Temperature

Temperature(°C)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
50	7.66	1710.780	1754.250		
40				-2.63	0.0015
30				-1.65	0.0009
20				-2.09	0.0012
10				-0.99	0.0006
0				-1.80	0.0010
-10				-1.40	0.0008
-20				-0.77	0.0004
-30				-0.84	0.0005

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
6.70	20	1710.780	1754.250	0.39	0.0002
9.04				2.08	0.0012

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

LTE Band 5, 10MHz bandwidth (worst case of all bandwidths)
Frequency Error vs Temperature

Temperature(°C)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
50	7.66	824.360	848.620		
40				0.01	0.0000
30				1.40	0.0017
20				-0.03	0.0000
10				1.03	0.0012
0				0.14	0.0002
-10				-0.04	0.0001
-20				0.44	0.0005
-30				0.86	0.0010

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
6.70	20	824.360	848.620	1.45	0.0017
9.04				-0.16	0.0002

Expanded measurement uncertainty is 10 Hz, $k = 2$
LTE Band 7, 20MHz bandwidth (worst case of all bandwidths)
Frequency Error vs Temperature

Temperature(°C)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	7.66	2500.500	2569.500		
50				0.44	0.0002
40				-1.39	0.0005
30				-0.76	0.0003
10				0.96	0.0004
0				-0.97	0.0004
-10				-1.22	0.0005
-20				-0.59	0.0002
-30				-0.64	0.0003

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
6.70	20	2500.500	2569.500	-0.53	0.0002
9.04				-0.37	0.0001

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

LTE Band 12, 10MHz bandwidth (worst case of all bandwidths)
Frequency Error vs Temperature

Temperature(°C)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	7.66	699.430	715.540		
50				-1.40	0.0020
40				-1.00	0.0014
30				-1.07	0.0015
10				0.73	0.0010
0				-1.00	0.0014
-10				-1.43	0.0020
-20				-0.16	0.0002
-30				-1.83	0.0026

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
6.70	20	699.430	715.540	-0.94	0.0013
9.04				-1.95	0.0028

Expanded measurement uncertainty is 10Hz, k = 2

LTE Band 13, 10MHz bandwidth (worst case of all bandwidths)
Frequency Error vs Temperature

Temperature(°C)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	7.66	777.463	786.534		
50				-1.12	0.0014
40				-0.07	0.0001
30				-1.65	0.0021
10				-1.00	0.0013
0				-0.46	0.0006
-10				-0.79	0.0010
-20				-1.23	0.0016
-30				-1.13	0.0014

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
6.70	20	777.463	786.534	-0.87	0.0011
9.04				-1.92	0.0025

Expanded measurement uncertainty is 10Hz, k = 2

LTE Band 17, 10MHz bandwidth (worst case of all bandwidths)
Frequency Error vs Temperature

Temperature(°C)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
50	7.66	704.360	715.630		
40				0.53	0.0007
30				-1.80	0.0025
20				-0.62	0.0009
10				0.89	0.0012
0				-0.04	0.0001
-10				-0.19	0.0003
-20				0.44	0.0006
-30				-0.63	0.0009

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
6.70	20	704.360	715.630	-0.70	0.0010
9.04				-1.36	0.0019

Expanded measurement uncertainty is 10Hz, k = 2

LTE Band 26(814MHz-824MHz), 15MHz bandwidth (worst case of all bandwidths)
Frequency Error vs Temperature

Temperature(°C)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	7.66	824.500	848.480		
50				-1.92	0.0023
40				-0.89	0.0011
30				0.23	0.0003
10				-1.72	0.0021
0				-1.46	0.0017
-10				-2.40	0.0029
-20				-1.82	0.0022
-30				-1.07	0.0013

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
6.70	20	824.500	848.480	-0.72	0.0009
9.04				-0.42	0.0005

Expanded measurement uncertainty is 10Hz, k = 2

**LTE Band 26(824MHz-849MHz), 10MHz bandwidth (worst case of all bandwidths)****Frequency Error vs Temperature**

Temperature(°C)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	7.66	814.350	823.630		
50				-0.73	0.0009
40				-0.33	0.0004
30				0.93	0.0011
10				-1.16	0.0014
0				-0.34	0.0004
-10				0.46	0.0006
-20				-0.07	0.0001
-30				0.43	0.0005

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
6.70	20	814.350	823.630	0.29	0.0003
9.04				0.80	0.0010

Expanded measurement uncertainty is 10Hz, k = 2

LTE Band 38, 20MHz bandwidth (worst case of all bandwidths)**Frequency Error vs Temperature**

Temperature(°C)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	7.66	2570.500	2619.480		
50				-2.73	0.0011
40				-0.44	0.0002
30				-0.50	0.0002
10				-1.70	0.0007
0				-2.25	0.0009
-10				0.44	0.0002
-20				-2.56	0.0010
-30				-1.46	0.0006

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
6.70	20	2570.500	2619.480	-0.33	0.0001
9.04				-0.69	0.0003

Expanded measurement uncertainty is 10 Hz, k = 2

**LTE Band 41, 20MHz bandwidth QPSK(worst case of all bandwidths)****Frequency Error vs Temperature**

Temperature(°C)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	7.66	2496.440	2689.520		
50				-0.43	0.0002
40				-0.16	0.0001
30				0.11	0.0000
10				-0.03	0.0000
0				1.79	0.0007
-10				-0.17	0.0001
-20				-0.19	0.0001
-30				-0.63	0.0002

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
6.70	20	2496.440	2689.520	-0.04	0.0000
9.04				0.82	0.0003

Expanded measurement uncertainty is 10 Hz, k = 2

LTE Band 66, 20MHz bandwidth (worst case of all bandwidths)**Frequency Error vs Temperature**

Temperature(°C)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	7.66	1710.790	1779.200		
50				0.99	0.0006
40				0.13	0.0001
30				-0.09	0.0000
10				-0.60	0.0003
0				0.83	0.0005
-10				-0.99	0.0006
-20				-1.55	0.0009
-30				-0.82	0.0005

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
6.70	20	1710.790	1779.200	-1.62	0.0009
9.04				1.70	0.0010

Expanded measurement uncertainty is 10Hz, k = 2



LTE CA_7C, 20MHz+20MHz bandwidth QPSK(worst case of all bandwidths)

Frequency Error vs Temperature

Temperature(°C)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	7.66	2500.540	2569.480		
50				1.12	0.0004
40				1.29	0.0005
30				0.63	0.0002
10				-1.26	0.0005
0				-2.04	0.0008
-10				0.67	0.0003
-20				-0.57	0.0002
-30				-0.55	0.0002

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
6.70	20	2500.540	2569.480	-1.79	0.0007
9.04				-1.94	0.0008

LTE CA_38C, 20MHz+20MHz bandwidth QPSK(worst case of all bandwidths)

Frequency Error vs Temperature

Temperature(°C)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	7.66	2570.560	2619.420		
50				-0.63	0.0002
40				0.81	0.0003
30				-0.97	0.0004
10				-2.39	0.0009
0				-3.03	0.0012
-10				-0.69	0.0003
-20				1.04	0.0004
-30				-1.55	0.0006

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
6.70	20	2570.560	2619.420	2.35	0.0009
9.04				0.38	0.0001



LTE CA_41C, 20MHz+20MHz bandwidth QPSK(worst case of all bandwidths)

Frequency Error vs Temperature

Temperature(°C)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	7.66	2496.880	2689.100		
50				0.73	0.0003
40				0.46	0.0002
30				0.46	0.0002
10				-1.57	0.0006
0				-0.90	0.0003
-10				0.47	0.0002
-20				-1.82	0.0007
-30				-1.45	0.0006

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
6.70	20	2496.880	2689.100	-1.01	0.0004
9.04				-1.42	0.0005



A.4 OCCUPIED BANDWIDTH

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 frequency. The table below lists the measured 99% BW. Spectrum analyzer plots are included on the following pages. The measurement method is from ANSI C63.26:

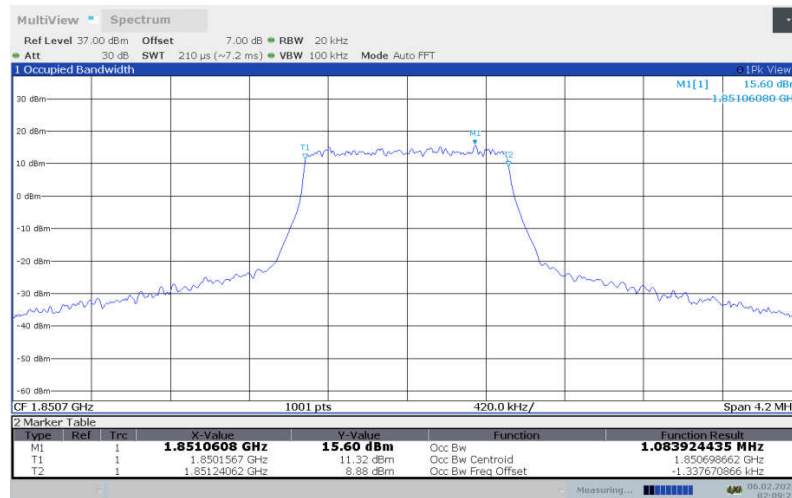
- a) The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be set wide enough to capture all modulation products including the emission skirts.
- b) The nominal IF filter 3 dB bandwidth (RBW) shall be in the range of 1% to 5% of the anticipated OBW, and the VBW shall be set $\geq 3 \times$ RBW.
- c) Set the reference level of the instrument as required to prevent the signal amplitude from exceeding the maximum spectrum analyzer input mixer level for linear operation.
- d) Set the detection mode to peak, and the trace mode to max-hold.



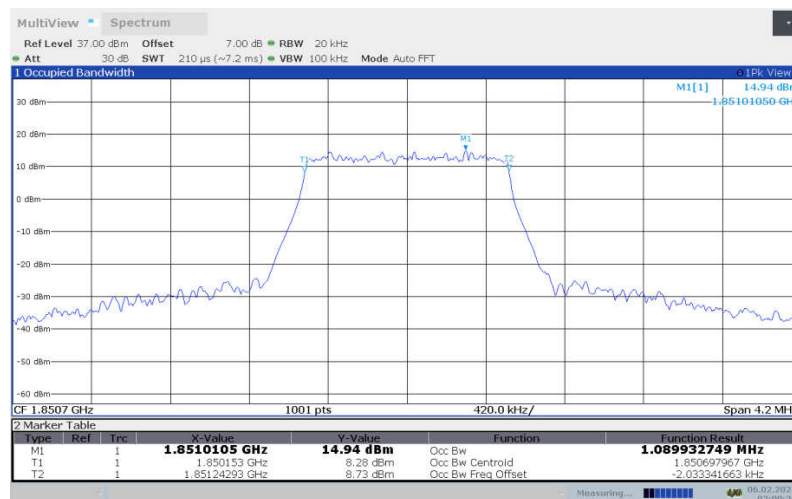
LTE Band 2,1.4MHz(99% OBW)

Frequency (MHz)	Occupied Bandwidth (99% OBW)(MHz)		
	QPSK	16QAM	64QAM
1850.7	1.084	1.090	1.082
1880	1.088	1.083	1.092
1909.3	1.090	1.086	1.084

LTE Band 2 , 1.4MHz Bandwidth,LOW,QPSK (99% OBW)



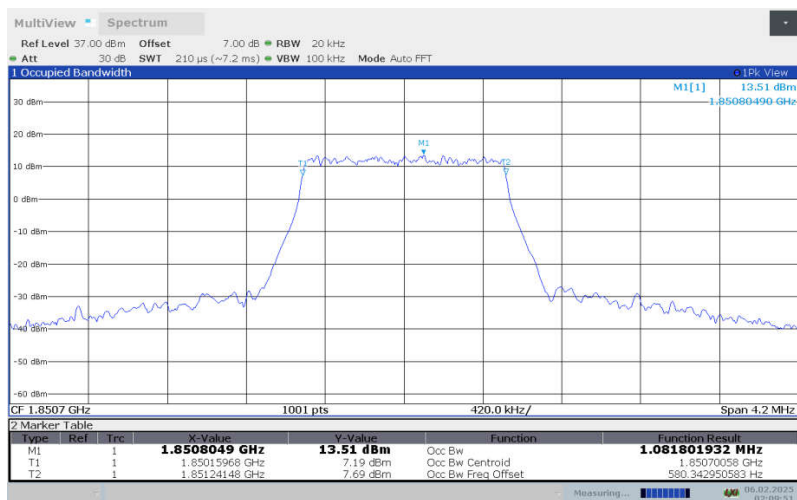
LTE Band 2 , 1.4MHz Bandwidth,LOW,16QAM (99% OBW)



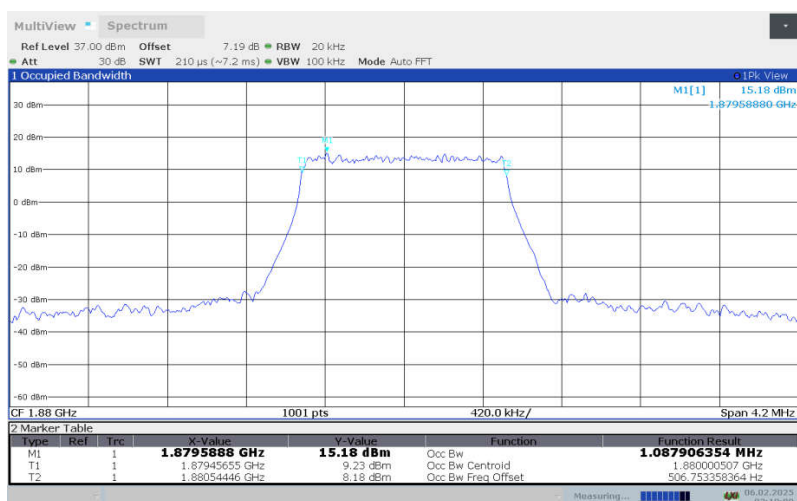
LTE Band 2 , 1.4MHz Bandwidth,LOW,64QAM (99% OBW)



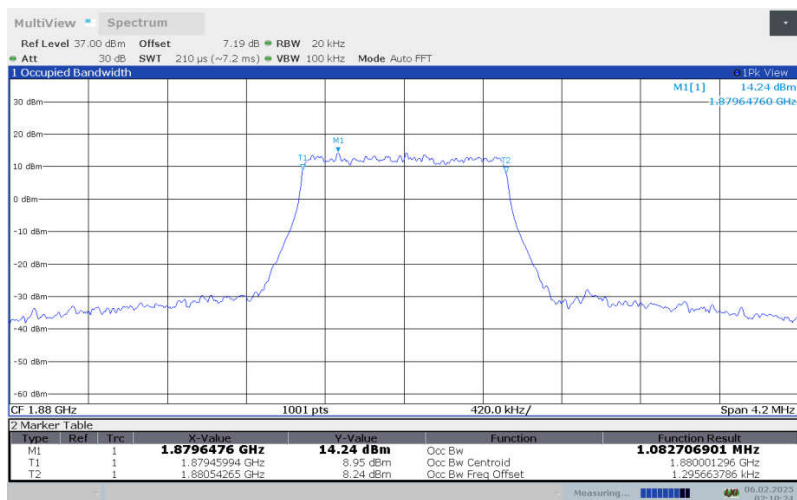
No.25T04N000127-003-RF LTE



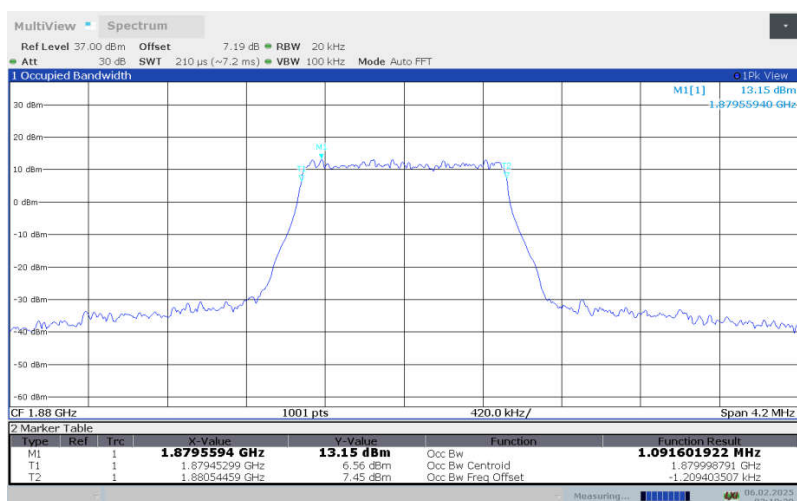
LTE Band 2 , 1.4MHz Bandwidth,MID,QPSK (99% OBW)



LTE Band 2 , 1.4MHz Bandwidth,MID,16QAM (99% OBW)



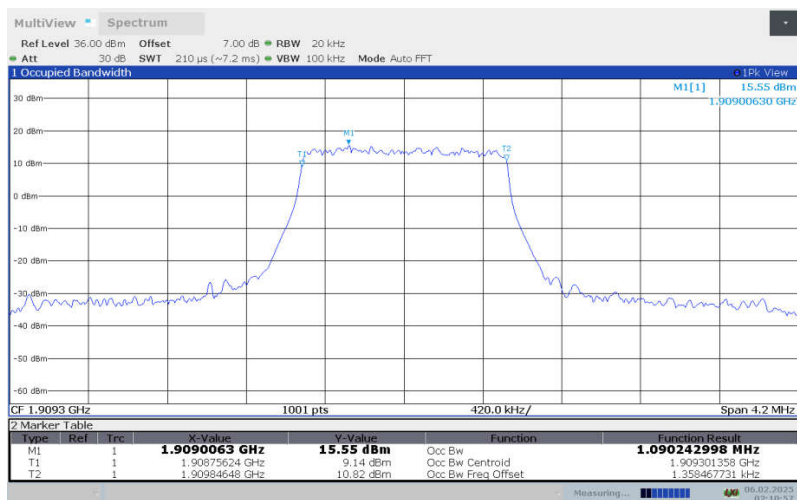
LTE Band 2 , 1.4MHz Bandwidth,MID,64QAM (99% OBW)



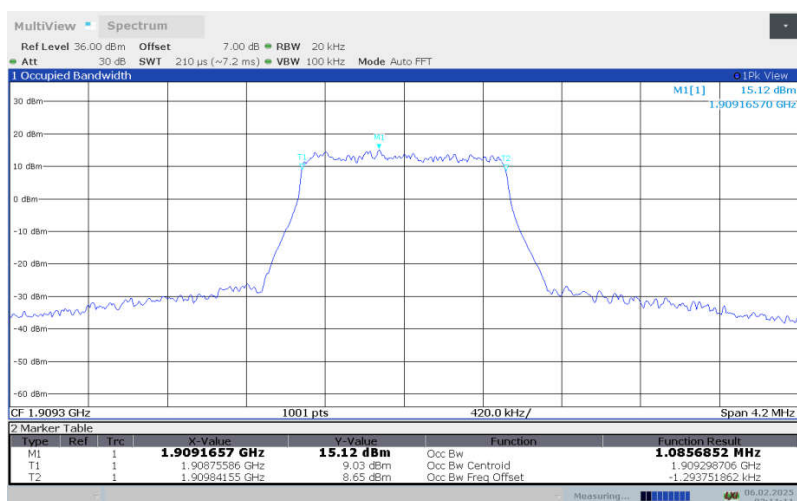
LTE Band 2 , 1.4MHz Bandwidth,HIGH,QPSK (99% OBW)



No.25T04N000127-003-RF LTE



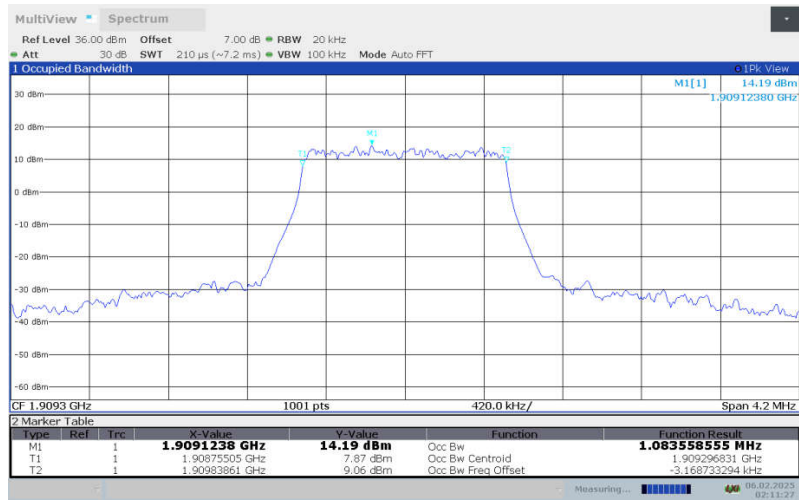
LTE Band 2 , 1.4MHz Bandwidth,HIGH,16QAM (99% OBW)



LTE Band 2 , 1.4MHz Bandwidth,HIGH,64QAM (99% OBW)



No.25T04N000127-003-RF LTE

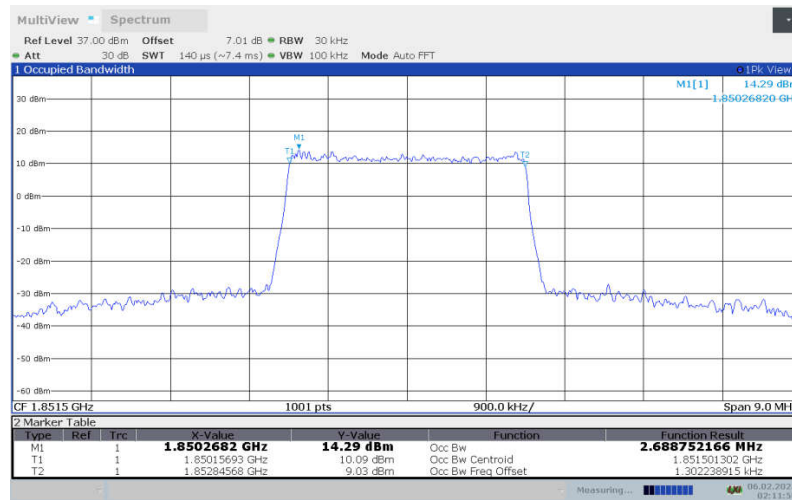




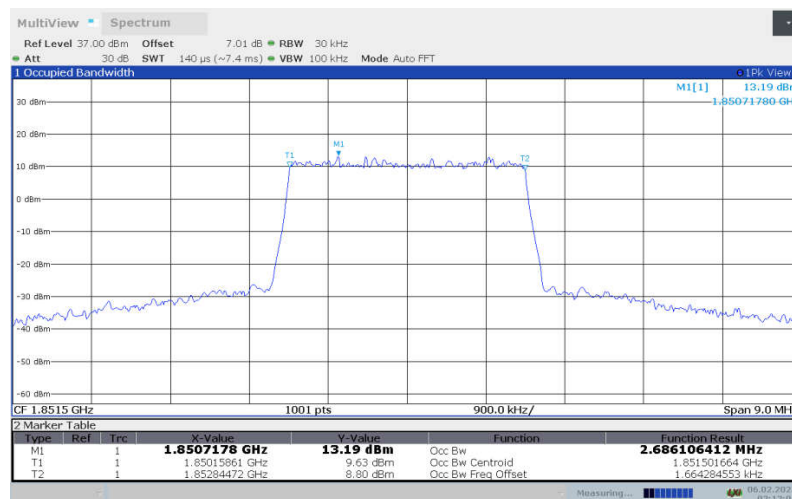
LTE Band 2,3MHz(99% OBW)

Frequency (MHz)	Occupied Bandwidth (99% OBW)(MHz)		
	QPSK	16QAM	64QAM
1851.5	2.689	2.686	2.686
1880	2.688	2.685	2.683
1908.5	2.684	2.682	2.688

LTE Band 2 , 3MHz Bandwidth,LOW,QPSK (99% OBW)



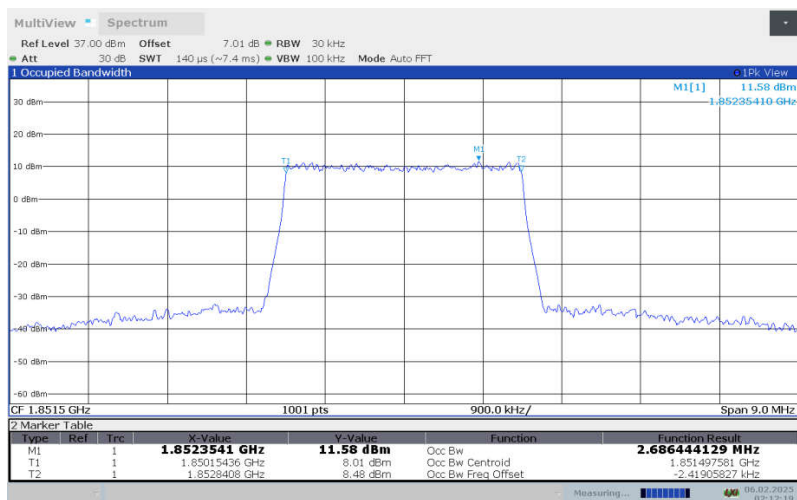
LTE Band 2 , 3MHz Bandwidth,LOW,16QAM (99% OBW)



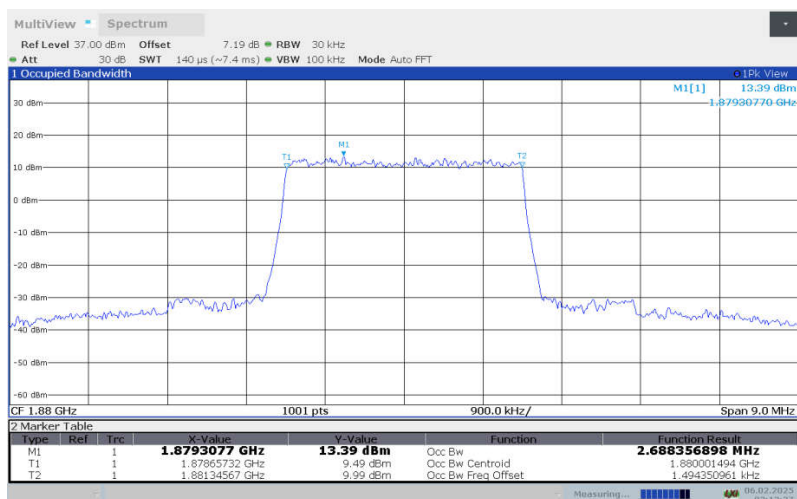
LTE Band 2 , 3MHz Bandwidth,LOW,64QAM (99% OBW)



No.25T04N000127-003-RF LTE



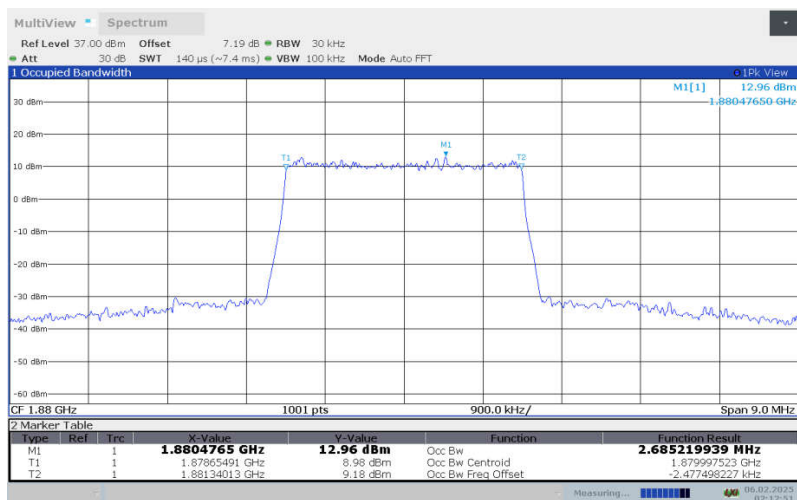
LTE Band 2 , 3MHz Bandwidth,MID,QPSK (99% OBW)



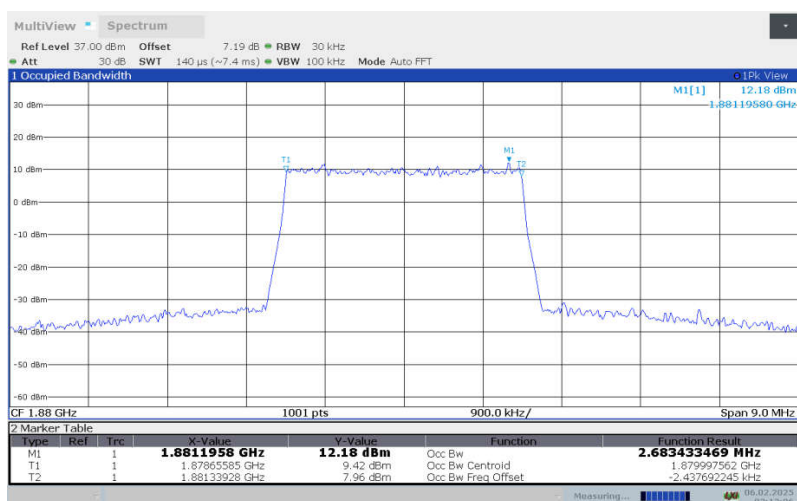
LTE Band 2 , 3MHz Bandwidth,MID,16QAM (99% OBW)



No.25T04N000127-003-RF LTE



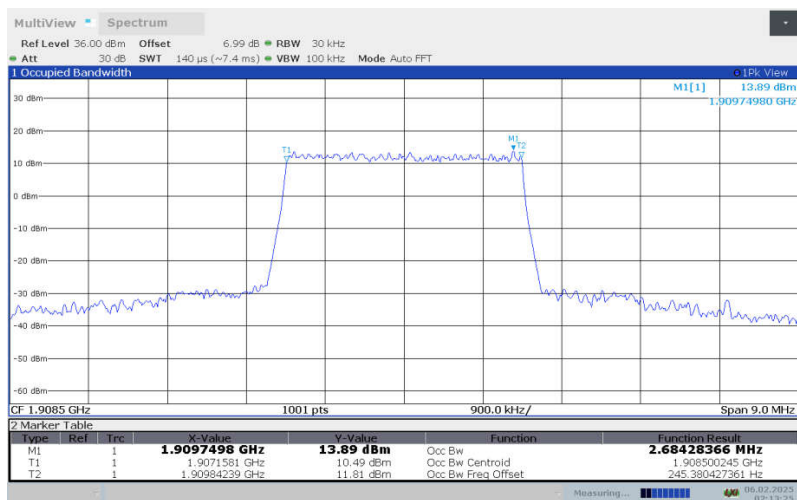
LTE Band 2 , 3MHz Bandwidth,MID,64QAM (99% OBW)



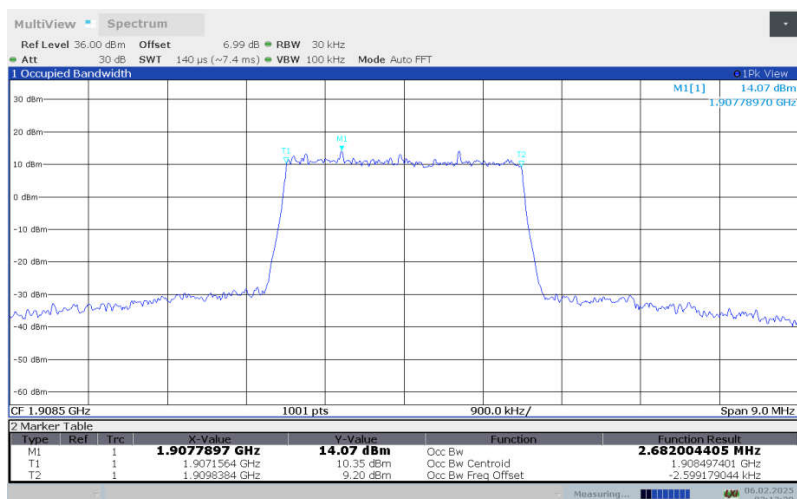
LTE Band 2 , 3MHz Bandwidth,HIGH,QPSK (99% OBW)



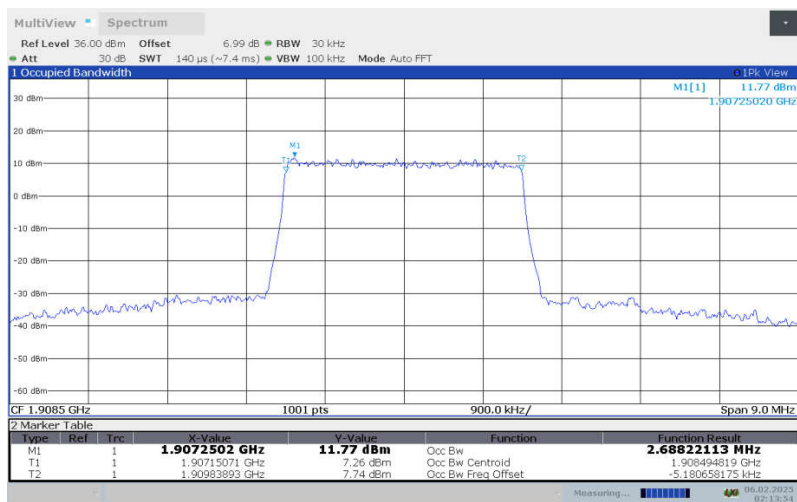
No.25T04N000127-003-RF LTE



LTE Band 2 , 3MHz Bandwidth,HIGH,16QAM (99% OBW)



LTE Band 2 , 3MHz Bandwidth,HIGH,64QAM (99% OBW)

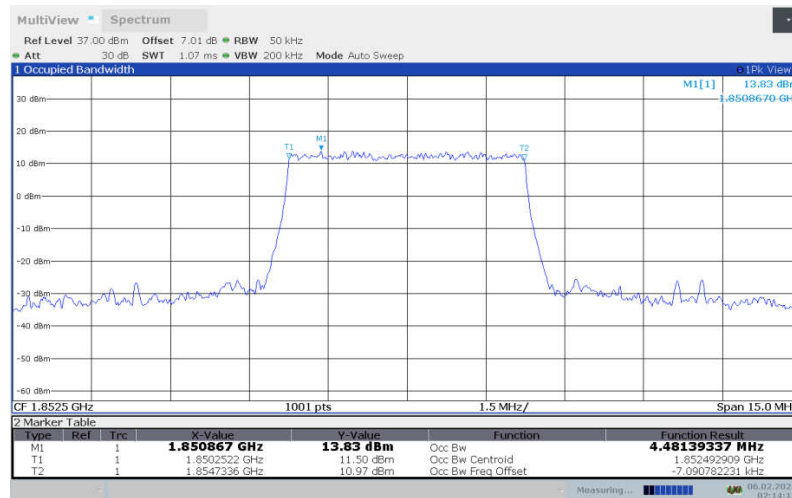




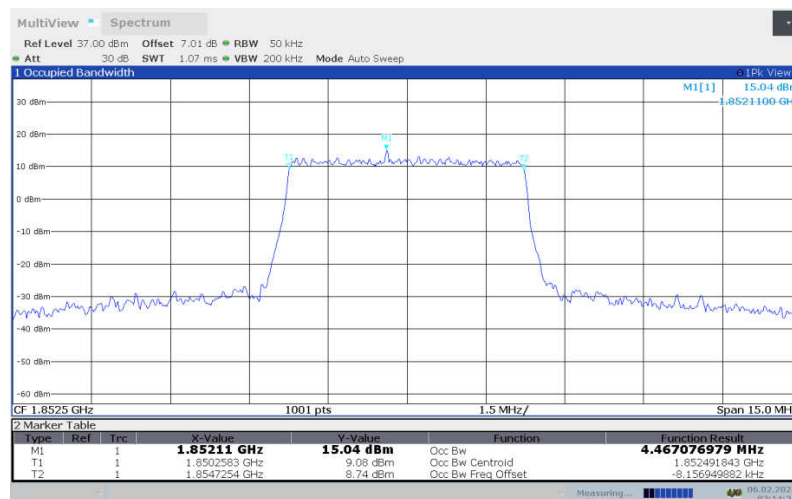
LTE Band 2,5MHz(99% OBW)

Frequency (MHz)	Occupied Bandwidth (99% OBW)(MHz)		
	QPSK	16QAM	64QAM
1852.5	4.481	4.467	4.469
1880	4.481	4.482	4.473
1907.5	4.468	4.473	4.466

LTE Band 2 , 5MHz Bandwidth,LOW,QPSK (99% OBW)



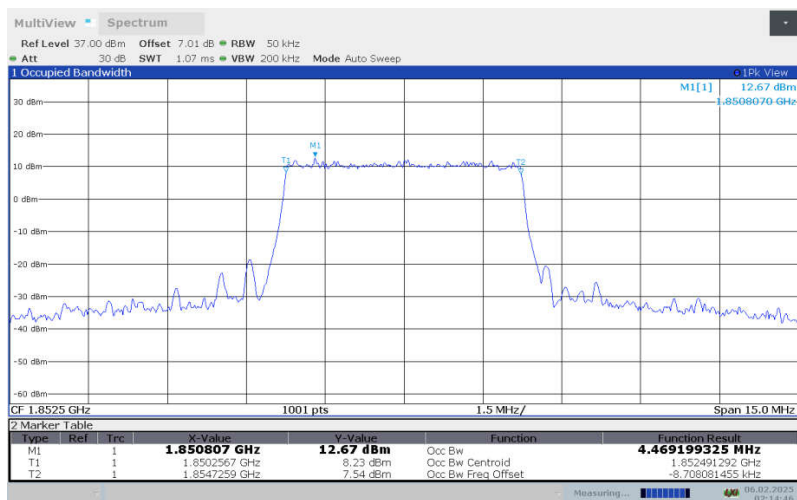
LTE Band 2 , 5MHz Bandwidth,LOW,16QAM (99% OBW)



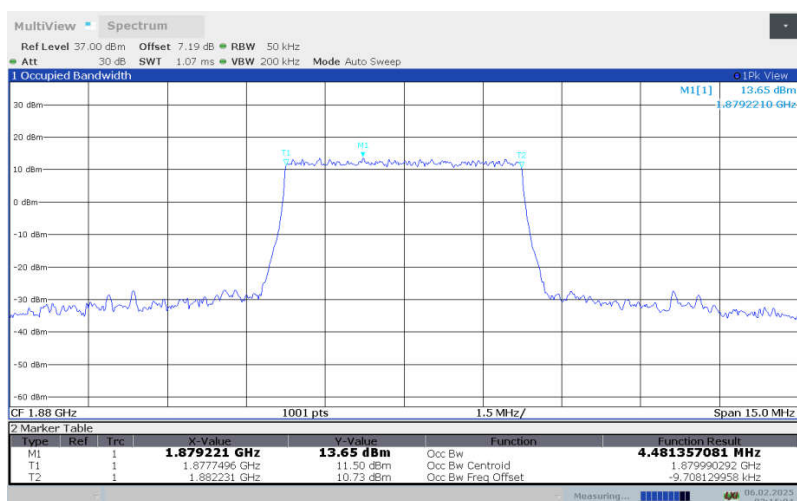
LTE Band 2 , 5MHz Bandwidth,LOW,64QAM (99% OBW)



No.25T04N000127-003-RF LTE



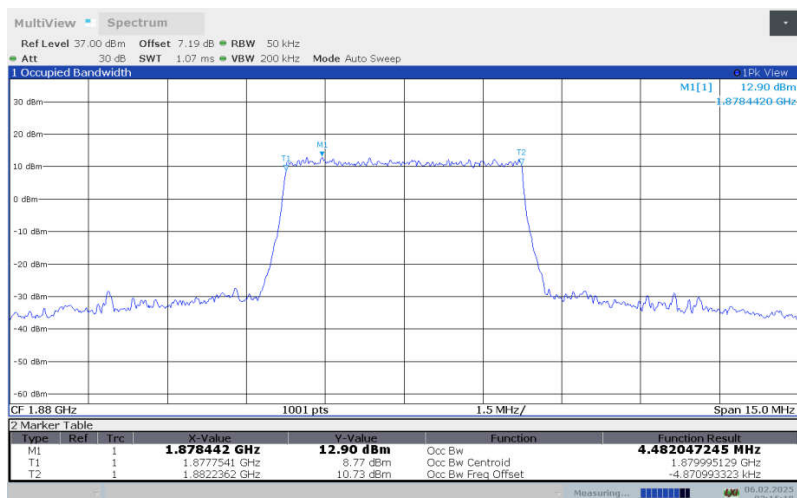
LTE Band 2 , 5MHz Bandwidth,MID,QPSK (99% OBW)



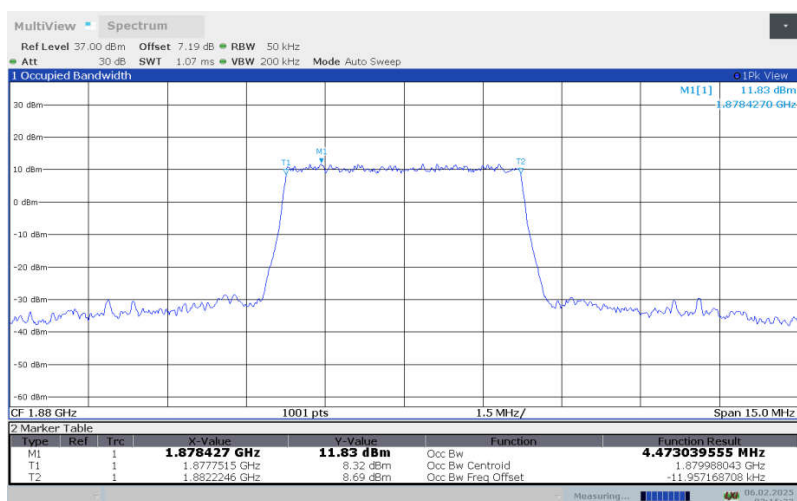
LTE Band 2 , 5MHz Bandwidth,MID,16QAM (99% OBW)



No.25T04N000127-003-RF LTE



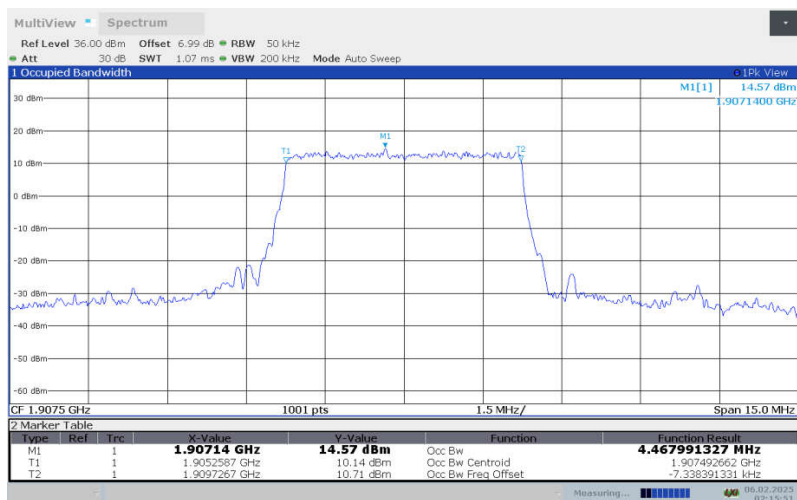
LTE Band 2 , 5MHz Bandwidth,MID,64QAM (99% OBW)



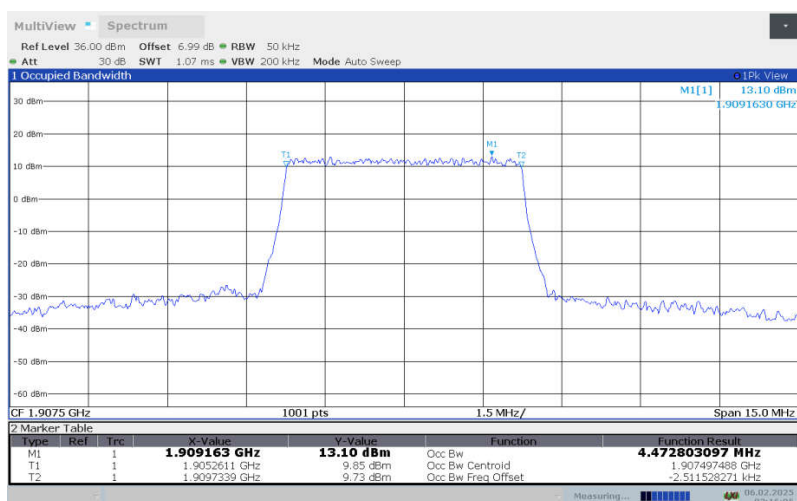
LTE Band 2 , 5MHz Bandwidth,HIGH,QPSK (99% OBW)



No.25T04N000127-003-RF LTE



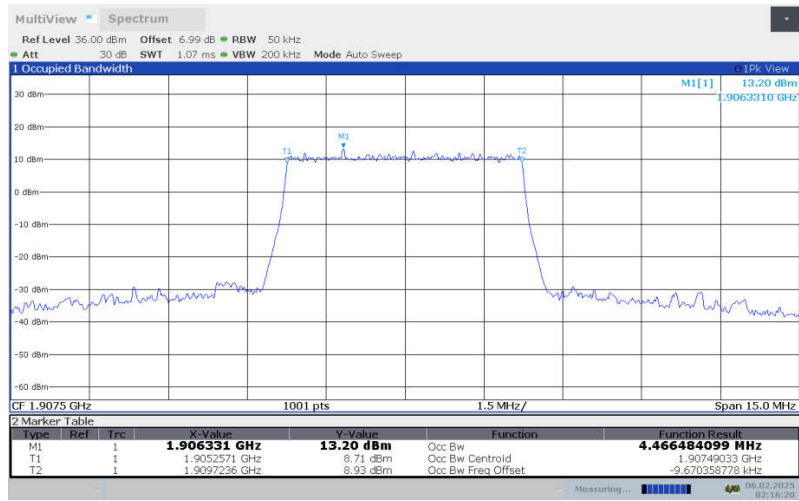
LTE Band 2 , 5MHz Bandwidth,HIGH,16QAM (99% OBW)



LTE Band 2 , 5MHz Bandwidth,HIGH,64QAM (99% OBW)



No.25T04N000127-003-RF LTE

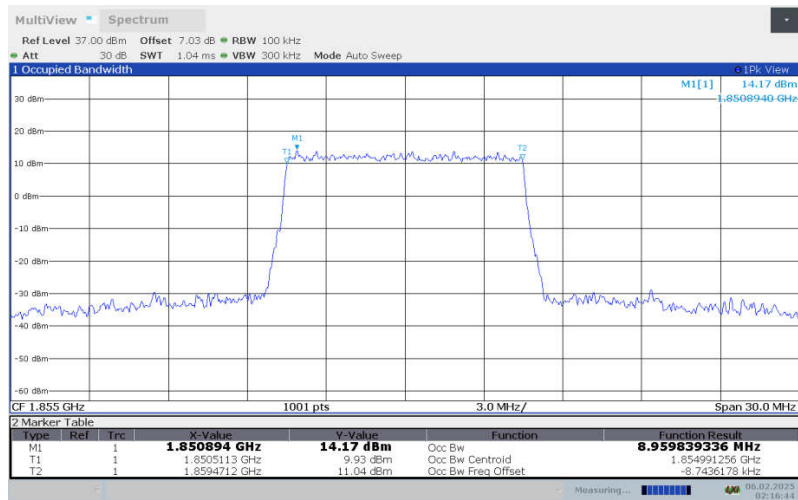




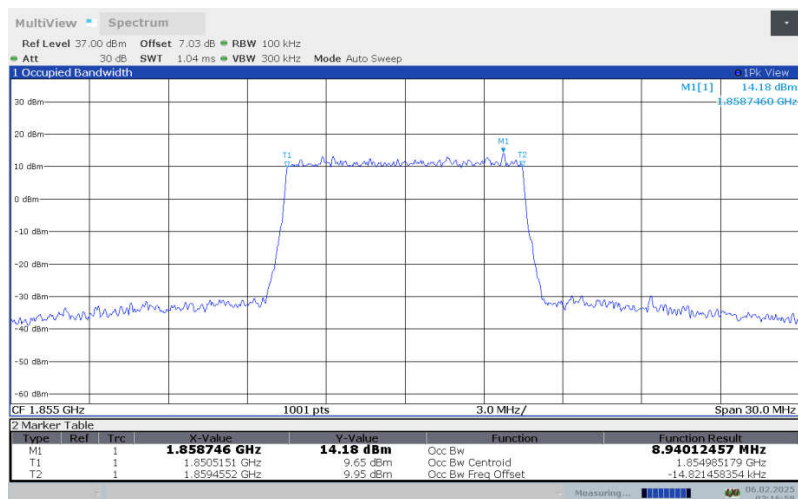
LTE Band 2,10MHz(99% OBW)

Frequency (MHz)	Occupied Bandwidth (99% OBW)(MHz)		
	QPSK	16QAM	64QAM
1855	8.960	8.940	8.944
1880	8.937	8.955	8.938
1905	8.958	8.954	8.953

LTE Band 2 , 10MHz Bandwidth,LOW,QPSK (99% OBW)



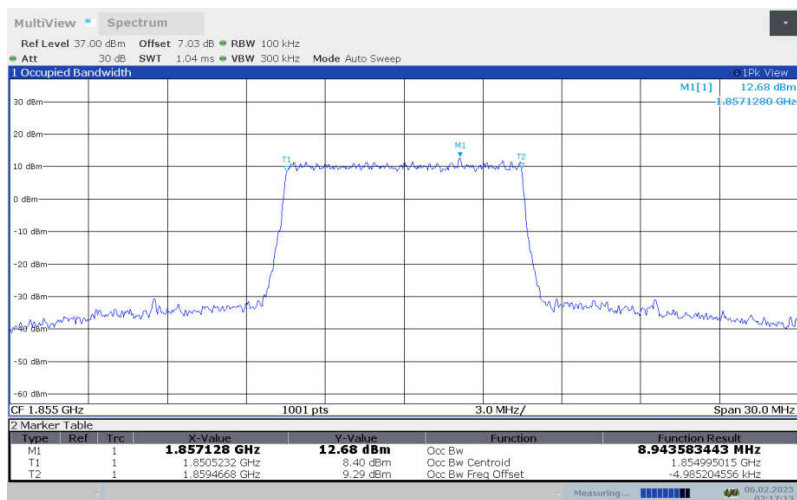
LTE Band 2 , 10MHz Bandwidth,LOW,16QAM (99% OBW)



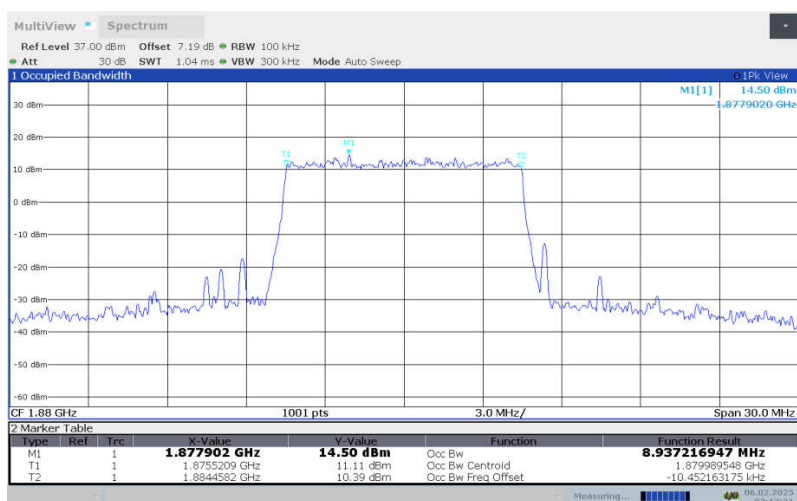
LTE Band 2 , 10MHz Bandwidth,LOW,64QAM (99% OBW)



No.25T04N000127-003-RF LTE



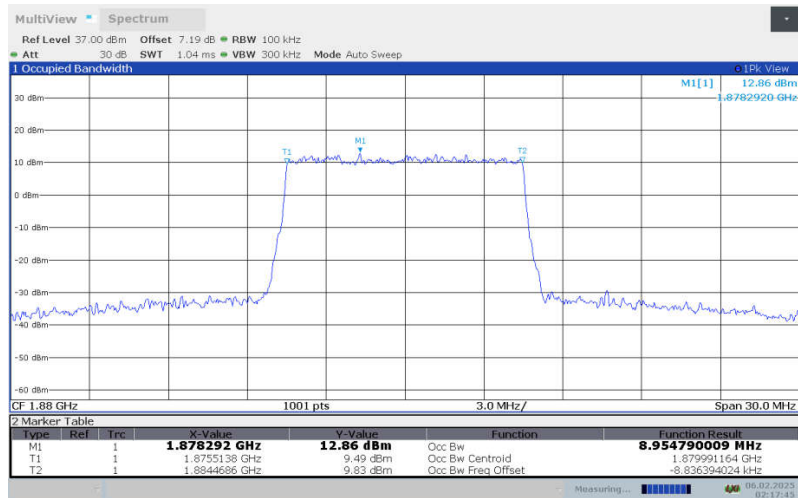
LTE Band 2 , 10MHz Bandwidth,MID,QPSK (99% OBW)



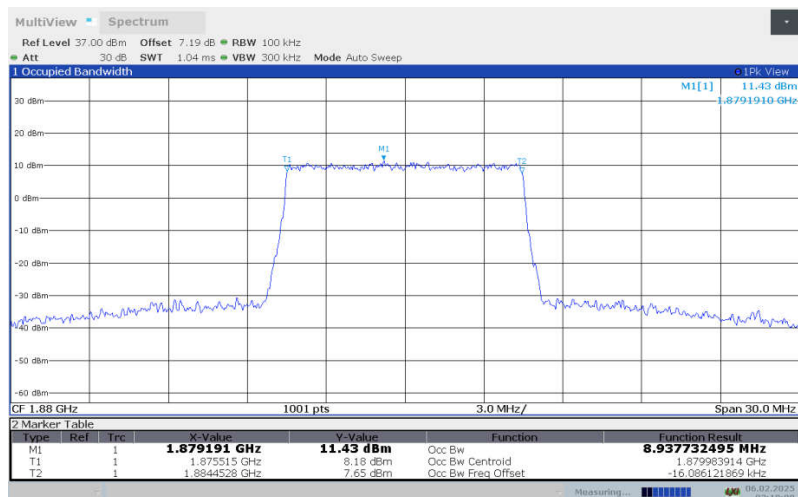
LTE Band 2 , 10MHz Bandwidth,MID,16QAM (99% OBW)



No.25T04N000127-003-RF LTE



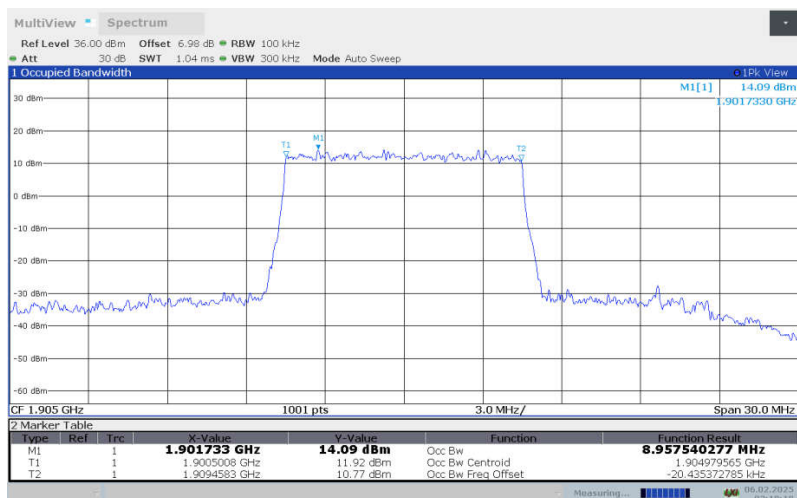
LTE Band 2 , 10MHz Bandwidth,MID,64QAM (99% OBW)



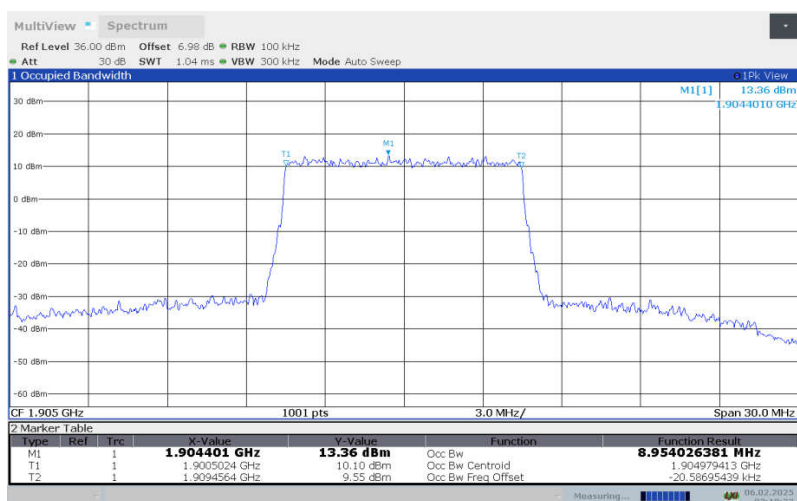
LTE Band 2 , 10MHz Bandwidth,HIGH,QPSK (99% OBW)



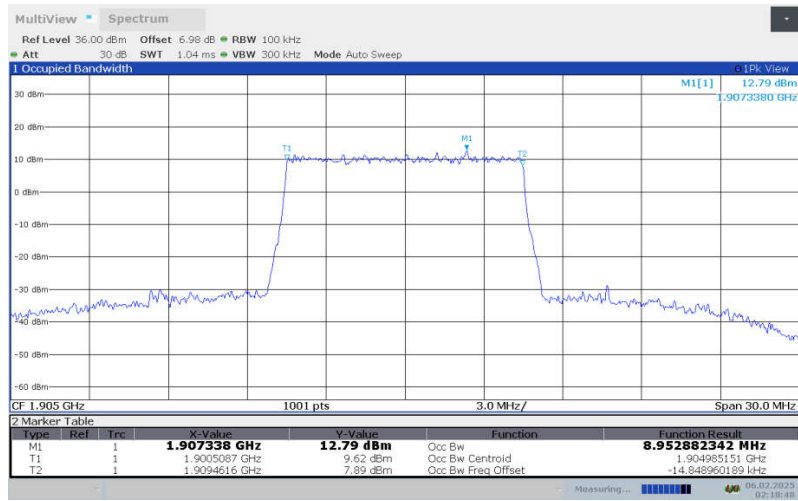
No.25T04N000127-003-RF LTE



LTE Band 2 , 10MHz Bandwidth,HIGH,16QAM (99% OBW)



LTE Band 2 , 10MHz Bandwidth,HIGH,64QAM (99% OBW)

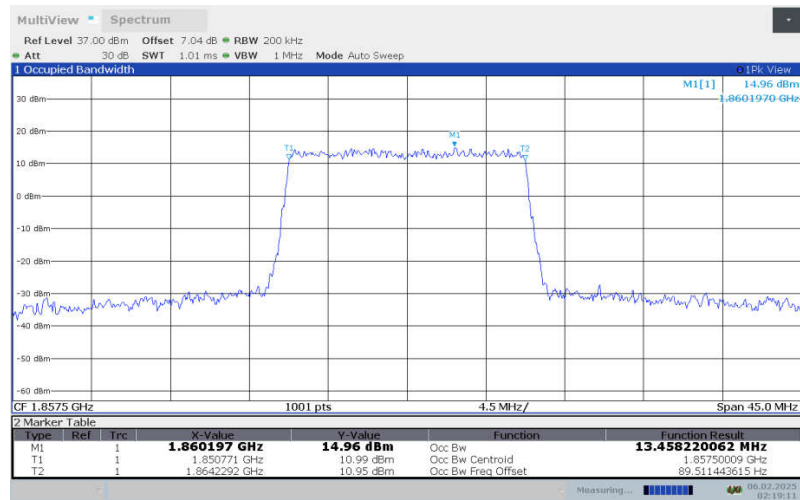




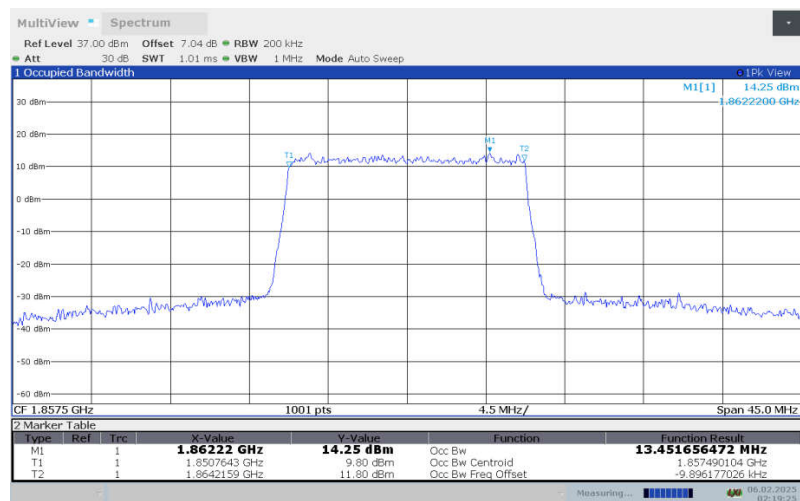
LTE Band 2,15MHz(99% OBW)

Frequency (MHz)	Occupied Bandwidth (99% OBW)(MHz)		
	QPSK	16QAM	64QAM
1857.5	13.458	13.452	13.416
1880	13.423	13.450	13.425
1902.5	13.417	13.444	13.420

LTE Band 2 , 15MHz Bandwidth,LOW,QPSK (99% OBW)



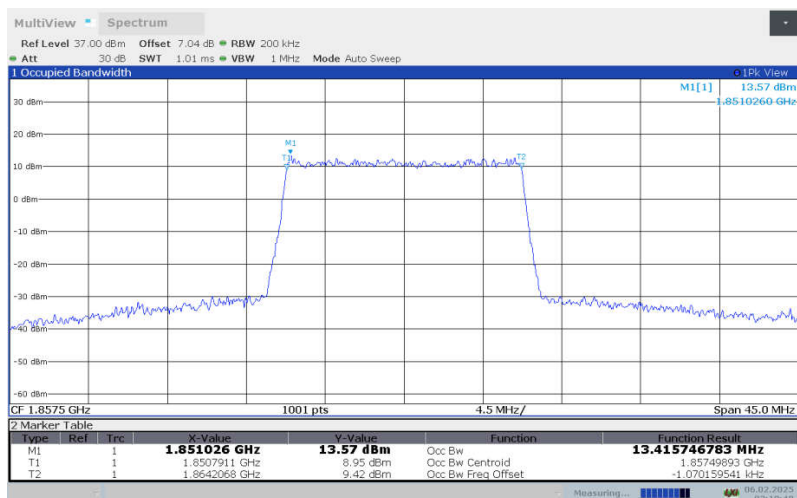
LTE Band 2 , 15MHz Bandwidth,LOW,16QAM (99% OBW)



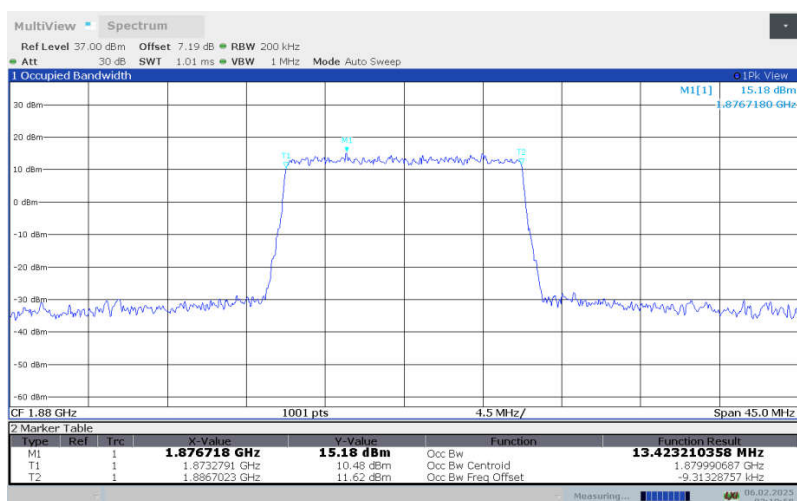
LTE Band 2 , 15MHz Bandwidth,LOW,64QAM (99% OBW)



No.25T04N000127-003-RF LTE



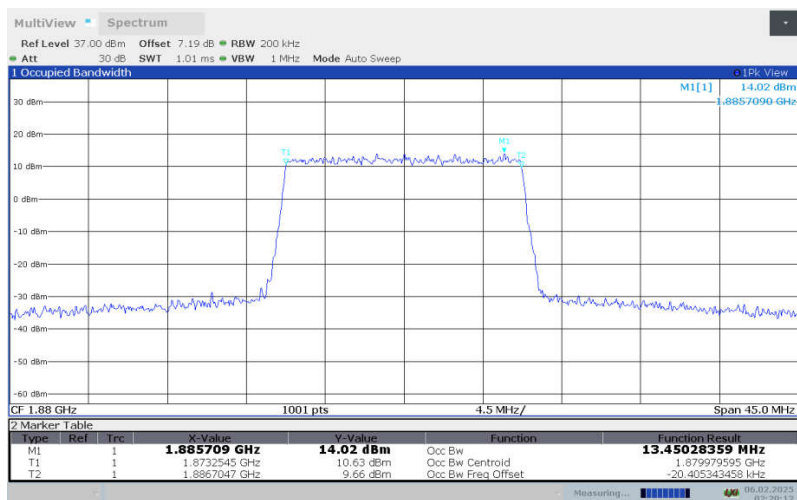
LTE Band 2 , 15MHz Bandwidth,MID,QPSK (99% OBW)



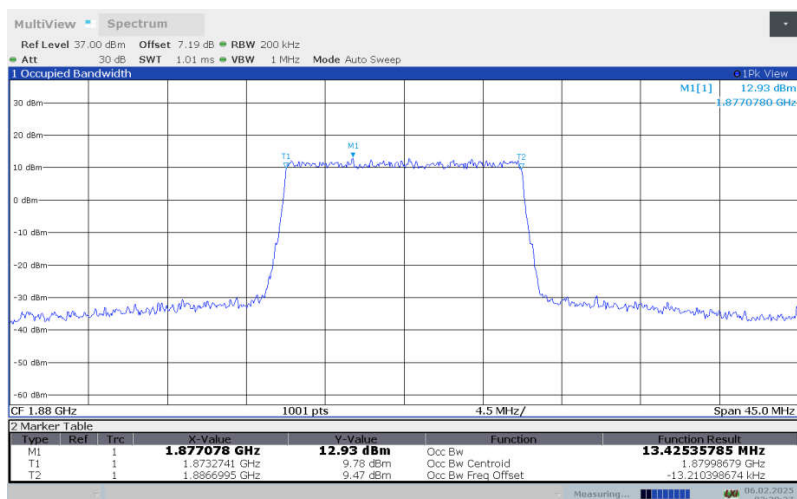
LTE Band 2 , 15MHz Bandwidth,MID,16QAM (99% OBW)



No.25T04N000127-003-RF LTE



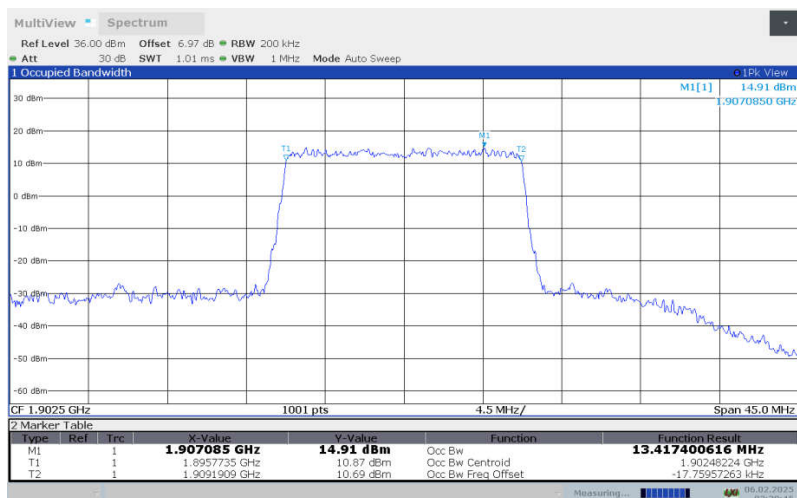
LTE Band 2 , 15MHz Bandwidth,MID,64QAM (99% OBW)



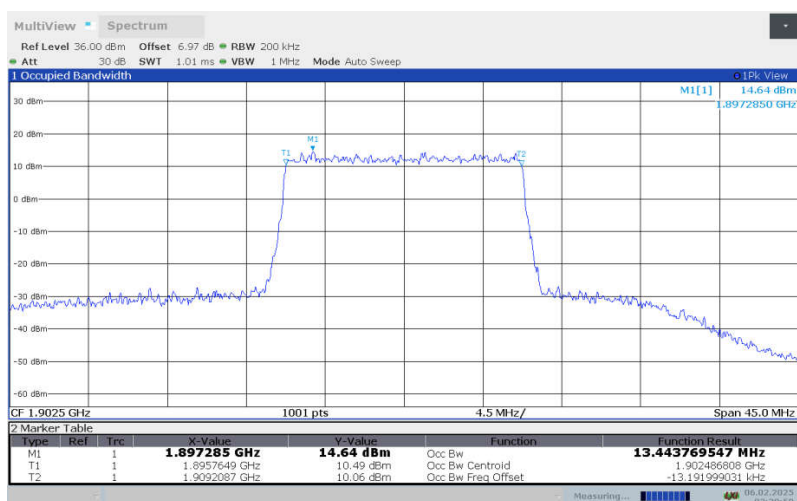
LTE Band 2 , 15MHz Bandwidth,HIGH,QPSK (99% OBW)



No.25T04N000127-003-RF LTE



LTE Band 2 , 15MHz Bandwidth,HIGH,16QAM (99% OBW)



LTE Band 2 , 15MHz Bandwidth,HIGH,64QAM (99% OBW)