



TEST REPORT

No.25T04N000894-008-RF LTE

for

Shanghai Sunmi Technology Co.,Ltd.

Wireless data POS System

Model Name: T5F1A

FCC ID: 2AH25T5F1A

with

Hardware Version: SM03_MB_V1.1

Software Version: QSC625VPBCJ10R01A03_BA01BP01GLM03V01

Issued Date: 2025-05-20

Note:

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

Test Laboratory:

SAICT, Shenzhen Academy of Information and Communications Technology

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

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

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



No.25T04N000894-008-RF LTE

REPORT HISTORY

Report Number	Revision	Description	Issue Date
25T04N000894-008-RF LTE	Rev.0	1st edition	2025-05-20



CONTENTS

1. SUMMARY OF TEST REPORT	4
1.1. TEST ITEMS.....	4
1.2. TEST STANDARDS	4
1.3. TEST RESULT	4
1.4. TESTING LOCATION	4
1.5. PROJECT DATA	4
1.6. SIGNATURE	4
2. CLIENT INFORMATION	5
2.1. APPLICANT INFORMATION.....	5
2.2. MANUFACTURER INFORMATION.....	5
3. EQUIPMENT UNDER TEST (EUT) AND ANCILLARY EQUIPMENT (AE)	6
3.1. ABOUT EUT	6
3.2. INTERNAL IDENTIFICATION OF EUT	6
3.3. INTERNAL IDENTIFICATION OF AE.....	6
3.4. GENERAL DESCRIPTION	6
4. REFERENCE DOCUMENTS.....	7
5. LABORATORY ENVIRONMENT.....	8
6. SUMMARY OF TEST RESULTS	9
7. STATEMENT	12
8. TEST EQUIPMENTS UTILIZED.....	13
ANNEX A: MEASUREMENT RESULTS	14
A.1 OUTPUT POWER	14
A.2 FIELD STRENGTH OF SPURIOUS RADIATION	87
A.3 FREQUENCY STABILITY	137
A.4 OCCUPIED BANDWIDTH	146
A.5 EMISSION BANDWIDTH	472
A.6 BAND EDGE COMPLIANCE.....	798
A.7 CONDUCTED SPURIOUS EMISSION	833
A.8 PEAK-TO-AVERAGE POWER RATIO	844
ANNEX B: ACCREDITATION CERTIFICATE	974



1. SUMMARY OF TEST REPORT

1.1. Test Items

Description	Wireless data POS System
Model Name	T5F1A
Brand Name	SUNMI
Applicant's name	Shanghai Sunmi Technology Co.,Ltd.
Manufacturer's Name	Shanghai Sunmi Technology Co.,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: 2024-11-04

Testing End Date: 2025-01-15

1.6. Signature

Xie Chuhan
(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: Shanghai Sunmi Technology Co.,Ltd.
Address /Post: Room 505, NO.388 Song Hu Road, Yang Pu District, Shanghai 200433,
China
Contact: Emma Yang
Email: chan.yang@sunmi.com
Telephone: 13510126210
Fax: /

2.2. Manufacturer Information

Company Name: Shanghai Sunmi Technology Co.,Ltd.
Address /Post: Room 505, NO.388 Song Hu Road, Yang Pu District, Shanghai 200433,
China
Contact: Emma Yang
Email: chan.yang@sunmi.com
Telephone: 13510126210
Fax: /



3. EQUIPMENT UNDER TEST (EUT) AND ANCILLARY EQUIPMENT

(AE)

3.1. About EUT

Description	Wireless data POS System
Model Name	T5F1A
FCC ID	2AH25T5F1A
Frequency Bands	LTE Bands 2/4/5/7/12/13/14/17/25/26/30/38/41/66/71
Antenna	Integrated
Extreme vol. Limits	6.60V to 8.80V (nominal: 7.70V)
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
/	/	/	/	/

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

3.3. Internal Identification of AE

AE ID*	Description	SN
AE2	Battery	---
AE1	RF 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 T5F1A with integrated antenna. It consists of normal options: lithium battery, charger. Manual and specifications of the EUT were provided to fulfil the test. Samples undergoing test were selected by the Client.



4. REFERENCE DOCUMENTS

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

Reference	Title	Version
FCC Part 22	PUBLIC MOBILE SERVICES	10-1-23 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 2/25

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 5/26(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**

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 12/17/71

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 14**

Items	Test Name	Clause in FCC rules	Section in this report	Verdict
1	Output Power	2.1046/90.542(a)(7)	A.1	P
2	Field Strength of Spurious Radiation	2.1053/90.543(e)	A.2	P
3	Frequency Stability	2.1055/90.213	A.3	P
4	Occupied Bandwidth	2.1049/90.543(e)	A.4	P
5	Emission Bandwidth	2.1049/90.543(e)	A.5	P
6	Band Edge Compliance	2.1051/90.543(e)	A.6	P
7	Conducted Spurious Emission	2.1051/90.543(e)	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	2.1049/90.691	A.4	P
5	Emission Bandwidth	2.1049/90.691	A.5	P
6	Band Edge Compliance	2.1051/90.691	A.6	P
7	Conducted Spurious Emission	2.1051/90.691	A.7	P
8	Peak-to-Average Power Ratio	KDB971168 D01	A.8	P

LTE Band 30

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



7. STATEMENT

The Wireless data POS System, T5F1A, Shanghai Sunmi Technology Co.,Ltd. is a variant of T5F1A for testing.

According to the declaration, reused all test data from No.25T04N000894-005-RF LTE. For detail information please check the declaration provided by the manufacturer.

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.



No.25T04N000894-008-RF LTE

8. TEST EQUIPMENTS UTILIZED

/

ANNEX A: MEASUREMENT RESULTS

A.1 OUTPUT POWER

Reference

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	22.26	21.51	20.14
		1880.0	22.29	21.54	20.52
		1850.7	22.28	21.76	20.43
	1 RB low	1909.3	22.23	21.85	20.19
		1880.0	22.19	21.60	20.46
		1850.7	22.59	21.23	20.41
	50% RB mid	1909.3	22.38	21.30	20.56
		1880.0	22.10	21.14	20.17
		1850.7	22.58	21.38	20.40
	100% RB	1909.3	21.38	20.07	19.15
		1880.0	21.14	20.22	19.05
		1850.7	21.31	20.21	19.08
3MHz	1 RB high	1908.5	22.29	21.53	20.23
		1880.0	22.20	21.68	20.18
		1851.5	22.36	21.25	20.78
	1 RB low	1908.5	22.34	21.51	20.18
		1880.0	22.01	21.65	20.09
		1851.5	22.37	21.32	20.27
	50% RB mid	1908.5	21.48	20.23	19.49
		1880.0	21.17	20.36	19.06
		1851.5	21.36	20.41	19.47
	100% RB	1908.5	21.34	20.25	19.24
		1880.0	21.18	20.16	19.00



Bandwidth	RB size/offset	Frequency(MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
5MHz	1 RB high	1851.5	21.37	20.44	19.22
		1907.5	22.11	21.09	20.30
		1880.0	22.21	21.47	20.58
	1 RB low	1852.5	22.25	21.20	20.28
		1907.5	22.10	21.11	20.28
		1880.0	22.06	21.23	20.30
	50% RB mid	1852.5	22.26	20.97	20.30
		1907.5	21.36	20.51	19.32
		1880.0	21.24	20.27	19.16
	100% RB	1852.5	21.43	20.32	19.59
		1907.5	21.36	20.32	19.19
		1880.0	21.25	20.21	19.11
10MHz	1 RB high	1852.5	21.37	20.32	19.53
		1907.5	21.36	20.32	19.19
		1880.0	21.25	20.21	19.11
	1 RB low	1905.0	22.31	21.51	19.79
		1880.0	22.46	21.49	20.65
		1855.0	22.43	21.37	20.77
	50% RB mid	1905.0	22.38	21.49	20.44
		1880.0	22.24	21.62	20.26
		1855.0	22.45	21.45	20.83
	100% RB	1905.0	21.39	20.56	19.41
		1880.0	21.34	20.28	19.35
		1855.0	21.39	20.36	19.39
15MHz	1 RB high	1905.0	21.45	20.21	19.53
		1880.0	21.27	20.21	19.29
		1855.0	21.41	20.25	19.43
	1 RB low	1902.5	22.17	20.95	20.74
		1880.0	22.49	21.68	20.57
		1857.5	22.17	21.13	20.54
	50% RB mid	1902.5	22.06	20.67	20.16
		1880.0	22.20	21.79	19.89
		1857.5	22.28	21.33	20.75
	100% RB	1902.5	21.42	20.39	19.31
		1880.0	21.33	20.17	19.35
		1857.5	21.43	20.24	19.23
20MHz	1 RB high	1902.5	21.41	20.29	19.39
		1880.0	21.32	20.18	19.36
		1857.5	21.38	20.26	19.39
	1 RB high	1900.0	22.20	21.81	21.09



Bandwidth	RB size/offset	Frequency(MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
		1880.0	22.30	21.03	20.43
		1860.0	22.04	21.65	20.45
		1900.0	22.18	21.70	20.99
	1 RB low	1880.0	22.21	20.95	20.43
		1860.0	22.18	21.38	20.74
		1900.0	21.39	20.44	19.38
	50% RB mid	1880.0	21.27	20.23	19.33
		1860.0	21.30	20.44	19.38
		1900.0	21.36	20.28	19.36
	100% RB	1880.0	21.25	20.20	19.10
		1860.0	21.20	20.22	19.23
		1900.0	21.36	20.28	19.36

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	22.86	21.98	20.84
		1732.5	22.85	22.13	20.66
		1710.7	22.93	22.01	21.07
	1 RB low	1754.3	22.65	21.66	20.76
		1732.5	22.78	22.4	20.47
		1710.7	22.94	22.02	21.09
	50% RB mid	1754.3	22.72	21.63	20.93
		1732.5	22.84	21.36	20.63
		1710.7	22.95	21.81	20.72
	100% RB	1754.3	21.73	20.59	19.38
		1732.5	21.75	20.67	19.4
		1710.7	21.77	20.88	19.54
3MHz	1 RB high	1753.5	22.79	21.71	20.82
		1732.5	22.67	21.83	20.53
		1711.5	22.94	21.7	20.5
	1 RB low	1753.5	22.62	21.51	20.57
		1732.5	22.74	21.79	20.79
		1711.5	22.83	21.79	20.51
	50% RB mid	1753.5	21.77	20.46	19.35
		1732.5	21.81	20.83	19.81
		1711.5	21.87	20.52	19.36
	100% RB	1753.5	21.81	20.63	19.45
		1732.5	21.82	20.75	19.73
		1711.5	21.79	20.79	19.6
5MHz	1 RB high	1752.5	22.99	21.99	20.53
		1732.5	22.73	22.03	20.85
		1712.5	22.68	21.61	20.81
	1 RB low	1752.5	22.4	21.47	20.7
		1732.5	22.74	21.87	20.89
		1712.5	22.45	21.55	20.59
	50% RB mid	1752.5	21.65	20.92	19.56
		1732.5	21.89	20.76	20.04
		1712.5	21.83	20.85	19.57
	100% RB	1752.5	21.65	20.64	19.6
		1732.5	21.88	20.82	19.65
		1712.5	21.87	20.75	19.71
10MHz	1 RB high	1750.0	22.7	21.56	20.62
		1732.5	22.44	20.99	20.63
		1715.0	22.77	21.73	21.29



Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
	1 RB low	1750.0	22.58	21.34	20.66
		1732.5	22.73	21.12	20.64
		1715.0	22.64	21.78	21.22
	50% RB mid	1750.0	21.63	20.56	19.55
		1732.5	21.79	20.89	19.71
		1715.0	21.88	20.83	19.89
	100% RB	1750.0	21.6	20.5	19.53
		1732.5	21.75	20.74	19.68
		1715.0	21.82	20.71	19.76
15MHz	1 RB high	1747.5	22.7	21.31	20.71
		1732.5	22.69	21.95	20.53
		1717.5	22.72	21.94	21.21
	1 RB low	1747.5	22.63	21.29	20.76
		1732.5	22.79	22.41	20.18
		1717.5	22.63	21.75	21.17
	50% RB mid	1747.5	21.55	20.58	19.46
		1732.5	21.78	20.74	19.7
		1717.5	21.84	20.83	19.97
	100% RB	1747.5	21.58	20.73	19.45
		1732.5	21.74	20.72	19.7
		1717.5	21.79	20.83	19.76
20MHz	1 RB high	1745.0	22.77	22.28	21.59
		1732.5	22.84	21.61	20.98
		1720.0	22.64	21.71	21.13
	1 RB low	1745.0	22.72	22.19	21.35
		1732.5	22.79	21.14	20.88
		1720.0	22.55	21.71	21.21
	50% RB mid	1745.0	21.57	20.6	19.58
		1732.5	21.76	20.76	19.73
		1720.0	21.76	20.83	19.75
	100% RB	1745.0	21.63	20.61	19.62
		1732.5	21.78	20.79	19.65
		1720.0	21.81	20.71	19.75

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	22.68	21.46	20.61
		836.5	22.24	21.71	19.76
		824.7	22.52	21.56	20.55
	1 RB low	848.3	22.57	21.55	20.5
		836.5	22.22	21.77	19.88
		824.7	22.55	21.89	20.72
	50% RB mid	848.3	22.61	21.67	20.77
		836.5	22.3	21.18	20.4
		824.7	22.39	21.36	20.22
	100% RB	848.3	21.68	20.46	19.3
		836.5	21.26	20.07	18.98
		824.7	21.28	20.21	19.21
3MHz	1 RB high	847.5	22.6	21.52	20.57
		836.5	22.37	21.77	20.22
		825.5	22.39	21.33	20.65
	1 RB low	847.5	22.52	21.53	20.52
		836.5	22.36	21.45	19.61
		825.5	22.39	21.32	20.81
	50% RB mid	847.5	21.57	20.49	19.62
		836.5	21.33	20.22	19.27
		825.5	21.17	20.37	19.25
	100% RB	847.5	21.66	20.44	19.69
		836.5	21.34	20.17	19.23
		825.5	21.3	20.25	19.11
5MHz	1 RB high	846.5	22.34	21.5	20.57
		836.5	22.03	21.53	20.54
		826.5	22.26	21.03	20.08
	1 RB low	846.5	22.22	21.3	20.55
		836.5	22.04	21.48	20.52
		826.5	22.18	21.01	20.2
	50% RB mid	846.5	21.56	20.63	19.36
		836.5	21.31	20.24	19.32
		826.5	21.27	20.26	19.18
	100% RB	846.5	21.54	20.36	19.57
		836.5	21.27	20.26	19.41
		826.5	21.3	20.22	19.24
10MHz	1 RB high	844.0	22.57	21.08	20.55
		836.5	22.25	21.84	20.38
		829.0	22.12	21.11	20.62



Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
	1 RB low	844.0	22.18	21.33	20.37
		836.5	22.25	21.7	20.18
		829.0	22.26	20.74	20.68
	50% RB mid	844.0	21.53	20.67	19.46
		836.5	21.35	20.47	19.34
		829.0	21.34	20.4	19.32
	100% RB	844.0	21.47	20.48	19.47
		836.5	21.21	20.33	19.21
		829.0	21.25	20.36	19.24

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


LTE band 7

Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
5MHz	1 RB high	2567.5	22.66	21.53	21.11
		2535.0	22.42	21.30	20.85
		2502.5	22.42	21.55	20.29
	1 RB low	2567.5	22.59	21.56	20.96
		2535.0	22.31	22.02	20.89
		2502.5	22.38	21.38	20.56
	50% RB mid	2567.5	21.73	20.92	19.59
		2535.0	21.70	20.44	19.88
		2502.5	21.78	20.90	19.59
	100% RB	2567.5	21.79	20.79	19.60
		2535.0	21.64	20.75	19.44
		2502.5	21.68	20.83	19.79
10MHz	1 RB high	2565.0	22.75	21.93	20.98
		2535.0	22.58	21.87	20.81
		2505.0	22.61	21.59	21.12
	1 RB low	2565.0	22.69	21.61	20.74
		2535.0	22.49	21.96	20.79
		2505.0	22.60	21.70	21.21
	50% RB mid	2565.0	21.85	20.97	19.70
		2535.0	21.74	20.76	19.74
		2505.0	21.80	20.88	19.77
	100% RB	2565.0	21.85	20.88	19.78
		2535.0	21.69	20.52	19.60
		2505.0	21.83	20.79	19.78
15MHz	1 RB high	2562.5	22.73	22.02	21.23
		2535.0	22.47	22.09	21.01
		2507.5	22.59	21.74	21.12
	1 RB low	2562.5	22.45	21.61	20.60
		2535.0	22.41	22.00	20.60
		2507.5	22.60	21.52	21.15
	50% RB mid	2562.5	21.83	20.77	19.59
		2535.0	21.66	20.67	19.77
		2507.5	21.89	20.97	19.98
	100% RB	2562.5	21.80	20.81	19.74
		2535.0	21.67	20.68	19.62
		2507.5	21.78	20.64	19.65
20MHz	1 RB high	2560.0	22.66	22.34	21.66



Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
		2535.0	22.64	21.61	20.97
		2510.0	22.54	22.01	21.33
	1 RB low	2560.0	22.46	22.20	21.00
		2535.0	22.43	21.34	20.67
		2510.0	22.55	21.75	21.24
	50% RB mid	2560.0	21.81	20.84	19.76
		2535.0	21.69	20.91	19.66
		2510.0	21.77	20.83	19.70
	100% RB	2560.0	21.78	20.78	19.64
		2535.0	21.72	20.76	19.63
		2510.0	21.86	20.84	19.74

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	22.89	21.99	20.99
		707.5	22.98	22.45	20.87
		699.7	23.01	22.31	21.36
	1 RB low	715.3	22.87	22.20	21.04
		707.5	23.00	22.60	21.08
		699.7	22.94	22.51	21.44
	50% RB mid	715.3	22.93	22.03	21.15
		707.5	23.13	21.54	21.10
		699.7	23.06	22.15	21.32
	100% RB	715.3	21.97	20.86	20.01
		707.5	22.13	21.05	19.76
		699.7	22.09	21.08	20.10
3MHz	1 RB high	714.5	23.13	21.93	20.74
		707.5	23.08	22.45	20.60
		700.5	22.93	22.01	20.79
	1 RB low	714.5	23.00	22.05	20.90
		707.5	22.98	21.48	20.67
		700.5	23.00	22.00	20.77
	50% RB mid	714.5	22.04	21.01	20.19
		707.5	22.09	21.29	19.97
		700.5	22.09	21.14	19.92
	100% RB	714.5	22.03	20.93	19.94
		707.5	21.97	20.97	19.82
		700.5	22.19	21.06	19.86
5MHz	1 RB high	713.5	22.94	21.88	20.97
		707.5	22.82	22.17	21.29
		701.5	22.97	21.47	21.02
	1 RB low	713.5	22.75	21.89	20.99
		707.5	22.71	22.02	21.29
		701.5	22.79	21.51	20.83
	50% RB mid	713.5	21.99	21.23	19.86
		707.5	22.14	21.09	20.09
		701.5	21.99	20.98	20.16
	100% RB	713.5	21.98	20.89	19.93
		707.5	22.02	21.03	19.86
		701.5	21.94	20.90	19.83
10MHz	1 RB high	711.0	22.81	21.84	20.33



Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
		707.5	22.97	22.18	21.08
		704.0	22.86	21.87	21.24
		711.0	23.00	22.16	20.45
	1 RB low	707.5	22.71	22.00	20.76
		704.0	22.87	21.97	21.36
		711.0	22.10	21.08	19.96
	50% RB mid	707.5	21.95	21.11	19.91
		704.0	21.99	20.89	20.02
		711.0	22.03	21.01	19.95
	100% RB	707.5	22.02	20.98	19.87
		704.0	21.96	20.90	19.93
		711.0	22.03	21.01	19.95

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	22.98	21.92	21.29
		782.0	22.79	21.39	21.40
		779.5	22.93	21.46	20.71
	1 RB low	784.5	23.06	21.96	21.22
		782.0	22.84	21.51	21.30
		779.5	22.89	21.36	20.95
	50% RB mid	784.5	22.06	21.22	19.94
		782.0	22.08	20.96	20.08
		779.5	22.04	21.19	19.99
	100% RB	784.5	22.09	21.09	20.06
		782.0	21.93	21.20	19.90
		779.5	22.01	20.93	20.02
10MHz	1 RB high	782.0	23.03	21.62	21.44
	1 RB low	782.0	23.15	21.96	21.44
	50% RB mid	782.0	22.95	21.95	21.44
	100% RB	782.0	22.88	21.89	21.34

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



LTE band 14

Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
5MHz	1RB-High (24)	790.5	22.96	22.02	20.94
		793.0	22.67	22.39	21.20
		795.5	22.97	21.48	20.87
	1RB-Low (0)	790.5	22.95	21.86	20.97
		793.0	22.80	22.53	21.23
		795.5	22.95	21.61	20.98
	12RB-Middle (6)	790.5	22.17	21.20	19.96
		793.0	22.16	20.99	20.03
		795.5	22.10	21.13	19.95
	25RB (0)	790.5	22.06	21.06	19.95
		793.0	22.13	21.20	19.88
		795.5	22.07	21.18	20.19
10MHz	1RB-High (49)	793.0	22.85	21.93	21.42
	1RB-Low (0)	793.0	23.10	21.92	21.41
	25RB-Middle (12)	793.0	23.03	21.92	21.41
	50RB (0)	793.0	22.97	22.15	21.55

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


LTE band 17

Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
5MHz	1RB-High (24)	713.5	22.66	21.84	20.78
		710.0	22.77	22.32	21.36
		706.5	22.88	21.90	21.03
	1RB-Low (0)	713.5	22.72	21.84	20.49
		710.0	22.83	22.58	21.33
		706.5	23.01	21.81	20.68
	12RB-Middle (6)	713.5	21.85	21.00	19.91
		710.0	22.12	21.15	20.29
		706.5	22.15	21.03	20.22
	25RB (0)	713.5	21.83	20.67	19.80
		710.0	22.02	21.03	19.84
		706.5	22.15	21.20	20.04
10MHz	1RB-High (49)	711.0	22.84	21.69	20.97
		710.0	23.06	22.50	20.97
		709.0	23.04	21.99	21.40
	1RB-Low (0)	711.0	22.92	21.86	21.10
		710.0	23.02	22.49	21.03
		709.0	23.06	21.63	21.60
	25RB-Middle (12)	711.0	22.05	21.22	19.87
		710.0	22.10	21.24	19.97
		709.0	22.22	21.38	20.09
	50RB (0)	711.0	22.07	21.05	19.99
		710.0	22.06	21.03	19.97
		709.0	22.20	21.05	20.09

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


LTE band 25

Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
1.4MHz	1RB-High (5)	1914.3	22.94	22.23	21.01
		1882.5	22.94	22.46	20.43
		1850.7	23.27	22.40	21.33
	1RB-Low (0)	1914.3	22.91	22.32	21.07
		1882.5	22.88	22.50	20.57
		1850.7	23.17	22.43	21.41
	3RB-Middle (1)	1914.3	23.33	22.08	21.41
		1882.5	22.81	21.95	20.96
		1850.7	23.15	22.46	21.07
	6RB (0)	1914.3	22.07	20.92	19.92
		1882.5	21.98	20.86	19.51
		1850.7	22.18	21.24	19.85
3MHz	1RB-High (14)	1913.5	23.13	22.05	21.10
		1882.5	23.18	22.10	20.62
		1851.5	23.07	21.96	21.38
	1RB-Low (0)	1913.5	23.02	21.83	21.03
		1882.5	22.72	22.05	20.21
		1851.5	23.12	22.16	21.54
	8RB-Middle (4)	1913.5	22.17	21.11	20.24
		1882.5	21.91	20.81	19.90
		1851.5	22.07	21.11	19.85
	15RB (0)	1913.5	22.29	21.07	20.05
		1882.5	21.92	20.80	19.81
		1851.5	22.10	21.00	19.98
5MHz	1RB-High (24)	1912.5	22.89	22.09	21.13
		1882.5	22.79	22.17	21.18
		1852.5	22.80	21.69	20.54
	1RB-Low (0)	1912.5	22.75	21.91	20.89
		1882.5	22.60	22.02	21.01
		1852.5	23.00	21.50	20.80
	12RB-Middle (6)	1912.5	22.23	21.27	19.97
		1882.5	21.97	20.80	19.82
		1852.5	22.03	21.02	19.80
	25RB (0)	1912.5	22.19	21.13	19.76
		1882.5	21.98	20.89	19.65
		1852.5	22.05	20.91	19.80
10MHz	1RB-High (49)	1910.0	23.16	22.28	21.26
		1882.5	22.90	22.23	21.39
		1855.0	23.05	22.11	21.52



Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
	1RB-Low (0)	1910.0	23.05	22.10	21.09
		1882.5	22.92	22.30	20.73
		1855.0	23.10	22.19	21.58
	25RB-Middle (12)	1910.0	22.08	21.26	19.92
		1882.5	22.07	20.99	19.88
		1855.0	21.96	20.81	19.93
	50RB (0)	1910.0	22.15	21.02	19.95
		1882.5	22.01	20.94	19.84
		1855.0	22.04	20.84	19.85
15MHz	1RB-High (74)	1907.5	22.95	21.58	21.51
		1882.5	23.01	22.58	21.37
		1857.5	23.15	22.06	21.39
	1RB-Low (0)	1907.5	22.82	21.76	20.89
		1882.5	22.77	22.25	20.76
		1857.5	23.03	22.05	21.49
	36RB-Middle (19)	1907.5	22.10	20.97	19.74
		1882.5	22.06	20.99	19.87
		1857.5	22.05	20.90	19.93
	75RB (0)	1907.5	22.09	21.15	19.89
		1882.5	21.88	20.90	19.61
		1857.5	22.03	21.04	19.83
20MHz	1RB-High (99)	1905.0	23.22	22.65	21.66
		1882.5	23.19	21.93	21.24
		1860.0	22.78	22.38	21.17
	1RB-Low (0)	1905.0	22.99	22.55	21.26
		1882.5	22.84	21.09	20.76
		1860.0	22.92	22.11	21.29
	50RB-Middle (25)	1905.0	22.05	21.13	19.87
		1882.5	22.02	20.96	19.87
		1860.0	22.04	21.18	19.94
	100RB (0)	1905.0	22.14	21.08	20.01
		1882.5	21.93	20.88	19.69
		1860.0	21.94	20.97	19.78

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	22.92	22.24	21.06
		819.0	22.87	22.32	20.53
		814.7	22.97	22.20	21.21
	1 RB low	823.3	22.96	22.20	21.03
		819.0	22.82	22.40	20.64
		814.7	22.92	22.15	21.14
	50% RB mid	823.3	22.91	22.05	20.76
		819.0	23.04	21.48	20.90
		814.7	22.91	21.89	20.74
	100% RB	823.3	22.08	20.90	19.57
		819.0	21.83	20.67	19.37
		814.7	21.87	20.83	19.56
3MHz	1 RB high	822.5	23.03	21.91	20.75
		819.0	22.81	22.03	20.51
		815.5	23.03	21.99	21.31
	1 RB low	822.5	22.96	22.03	20.94
		819.0	22.90	22.09	20.47
		815.5	23.05	21.82	20.73
	50% RB mid	822.5	22.04	21.06	20.17
		819.0	21.87	21.04	19.95
		815.5	21.99	21.03	19.86
	100% RB	822.5	22.16	20.95	19.97
		819.0	21.87	20.84	19.48
		815.5	21.98	21.03	19.71
5MHz	1 RB high	821.5	22.81	21.82	20.89
		819.0	22.72	22.11	21.14
		816.5	22.99	21.75	20.79
	1 RB low	821.5	22.68	21.69	20.94
		819.0	22.69	21.81	21.00
		816.5	22.92	21.17	20.08
	50% RB mid	821.5	21.95	20.89	19.75
		819.0	21.93	20.82	19.78
		816.5	21.93	20.92	19.81
	100% RB	821.5	22.02	20.85	19.85
		819.0	21.90	20.85	19.76
		816.5	21.90	20.85	19.82



Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
10MHz	1 RB high	819.0	23.06	22.03	21.49
		819.0	23.07	22.01	21.48
		819.0	23.02	22.01	21.48
	1 RB low	819.0	22.87	21.82	21.26
		821.5	22.87	21.91	21.34
		819.0	22.87	21.88	21.34
	50% RB mid	816.5	21.98	21.01	19.85
		821.5	21.95	20.99	20.03
		819.0	21.95	20.99	20.00
	100% RB	816.5	22.04	21.02	19.97
		821.5	22.02	20.90	19.84
		819.0	22.11	20.83	19.94

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	23.05	22.65	21.11
		836.5	23.01	22.04	21.14
		824.7	23.05	21.81	20.88
	1 RB low	848.3	23.01	22.59	21.11
		836.5	22.92	22.07	21.12
		824.7	23.03	21.77	20.98
	50% RB mid	848.3	23.09	22.53	21.39
		836.5	22.85	21.89	20.68
		824.7	23.01	21.62	21.15
	100% RB	848.3	22.12	21.17	19.85
		836.5	21.90	20.78	19.50
		824.7	21.96	20.75	19.69
3MHz	1 RB high	847.5	23.07	21.89	20.89
		836.5	22.88	22.54	20.62
		825.5	23.10	22.06	21.37
	1 RB low	847.5	23.06	21.86	21.06
		836.5	22.80	22.06	20.45
		825.5	22.98	21.98	21.35
	50% RB mid	847.5	22.23	21.32	20.47
		836.5	21.88	20.86	19.77
		825.5	22.05	21.15	19.83
	100% RB	847.5	22.30	20.99	20.24
		836.5	21.90	20.75	19.73
		825.5	21.98	21.02	19.89
5MHz	1 RB high	846.5	23.17	22.15	21.10
		836.5	22.78	22.01	21.31
		826.5	22.77	21.43	20.80
	1 RB low	846.5	23.04	21.93	20.93
		836.5	22.62	21.40	21.16
		826.5	22.80	21.36	20.84
	50% RB mid	846.5	22.12	20.97	19.93
		836.5	21.94	20.76	19.70
		826.5	22.03	21.03	20.09
	100% RB	846.5	22.10	21.03	20.12
		836.5	21.88	20.87	19.71
		826.5	21.93	20.88	19.98
10MHz	1 RB high	844.0	23.06	22.13	21.27



Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
		836.5	22.93	22.52	20.64
		829.0	23.06	21.85	21.33
		844.0	22.96	22.12	21.08
	1 RB low	836.5	22.81	22.28	20.86
		829.0	22.91	21.97	21.42
		844.0	22.14	20.99	19.91
	50% RB mid	836.5	21.99	20.91	19.91
		829.0	21.99	20.93	19.86
		844.0	22.02	21.08	19.89
	100% RB	836.5	21.96	20.94	19.75
		829.0	21.97	20.90	19.81
		841.5	22.77	21.40	21.18
15MHz	1 RB high	836.5	22.84	22.50	20.83
		831.5	22.95	22.12	21.32
		841.5	22.66	21.58	20.76
	1 RB low	836.5	22.81	22.40	20.85
		831.5	22.78	21.91	21.35
		841.5	22.05	20.85	19.86
	50% RB mid	836.5	21.90	20.90	19.91
		831.5	21.97	20.87	19.97
		841.5	22.02	20.97	19.88
	100% RB	836.5	21.89	20.91	19.84
		831.5	21.93	20.83	19.77

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



LTE band 30

Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
5MHz	1 RB high	2312.5	22.31	21.30	20.46
		2310.0	22.34	21.71	20.85
		2307.5	22.09	20.77	20.04
	1 RB low	2312.5	22.36	21.42	20.50
		2310.0	22.17	21.64	20.53
		2307.5	22.18	20.91	20.19
	50% RB mid	2312.5	21.66	20.79	19.73
		2310.0	21.59	20.50	19.87
		2307.5	21.45	20.63	19.46
	100% RB	2312.5	21.65	20.65	19.63
		2310.0	21.55	20.68	19.66
		2307.5	21.41	20.27	19.50
10MHz	1RB-High	2310.0	22.49	21.60	21.08
	1RB-Low	2310.0	22.43	21.10	20.50
	50% RB mid	2310.0	22.51	21.65	21.04
	100% RB	2310.0	22.67	21.75	21.13

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	22.91	22.56	21.32
		2595.0	23.23	22.22	21.88
		2572.5	23.08	22.55	20.96
	1 RB low	2617.5	22.90	22.52	21.35
		2595.0	23.14	22.11	21.66
		2572.5	23.20	22.52	21.05
	50% RB mid	2617.5	22.35	21.32	20.05
		2595.0	22.57	21.70	20.72
		2572.5	22.26	21.40	20.18
	100% RB	2617.5	22.29	21.36	20.47
		2595.0	22.56	21.63	20.63
		2572.5	22.38	21.12	20.25
10MHz	1 RB high	2615.0	23.19	22.83	21.08
		2595.0	23.56	23.14	21.68
		2575.0	23.31	21.72	22.42
	1 RB low	2615.0	23.19	22.91	21.10
		2595.0	23.45	23.02	21.58
		2575.0	23.40	22.06	22.51
	50% RB mid	2615.0	22.39	21.38	20.23
		2595.0	22.60	21.33	20.36
		2575.0	22.17	21.30	20.02
	100% RB	2615.0	22.33	21.21	20.22
		2595.0	22.45	21.51	20.24
		2575.0	22.27	21.43	20.16
15MHz	1 RB high	2612.5	23.25	22.51	22.20
		2595.0	23.60	23.00	21.57
		2577.5	23.40	22.00	22.37
	1 RB low	2612.5	23.43	22.45	22.25
		2595.0	23.54	23.09	21.58
		2577.5	23.44	22.04	22.34
	50% RB mid	2612.5	22.41	21.29	20.15
		2595.0	22.44	21.44	20.36
		2577.5	22.29	21.15	20.25
	100% RB	2612.5	22.43	21.39	20.36
		2595.0	22.39	21.35	20.31
		2577.5	22.33	21.36	20.21



Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
20MHz	1 RB high	2610.0	23.45	22.96	21.54
		2595.0	23.38	22.13	22.51
		2580.0	23.23	22.89	21.80
	1 RB low	2610.0	23.72	23.28	21.76
		2595.0	23.28	22.04	22.50
		2580.0	23.00	22.80	21.58
	50% RB mid	2610.0	22.48	21.44	20.29
		2595.0	22.47	21.39	20.30
		2580.0	22.36	21.30	20.36
	100% RB	2610.0	22.48	21.34	20.33
		2595.0	22.39	21.38	20.10
		2580.0	22.32	21.38	20.20

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	23.19	22.79	20.96
		2593.0	23.08	22.53	21.71
		2498.5	22.99	21.64	21.06
	1 RB low	2687.5	23.28	22.86	21.13
		2593.0	23.08	22.51	21.66
		2498.5	23.16	21.71	21.14
	50% RB mid	2687.5	22.50	21.68	20.53
		2593.0	22.37	21.45	20.51
		2498.5	22.34	21.11	20.65
	100% RB	2687.5	22.49	21.37	20.44
		2593.0	22.30	21.40	20.74
		2498.5	22.26	21.31	20.31
10MHz	1 RB high	2685.0	23.47	22.46	21.34
		2593.0	23.51	23.01	21.79
		2501.0	23.45	22.41	22.53
	1 RB low	2685.0	23.46	23.08	21.23
		2593.0	23.50	22.98	21.56
		2501.0	23.59	22.09	22.53
	50% RB mid	2685.0	22.69	21.71	20.51
		2593.0	22.35	21.43	20.44
		2501.0	22.37	21.50	20.23
	100% RB	2685.0	22.67	21.58	20.55
		2593.0	22.35	21.42	20.34
		2501.0	22.47	21.58	20.46
15MHz	1 RB high	2682.5	23.50	22.60	22.38
		2593.0	23.61	22.90	21.72
		2503.5	23.34	22.21	22.21
	1 RB low	2682.5	23.45	22.49	22.29
		2593.0	23.47	22.87	21.68
		2503.5	23.39	22.29	22.32
	50% RB mid	2682.5	22.62	21.63	20.35
		2593.0	22.34	21.41	20.43
		2503.5	22.32	21.17	20.36



Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
	100% RB	2682.5	22.62	21.61	20.56
		2593.0	22.37	21.34	20.39
		2503.5	22.35	21.26	20.30
20MHz	1 RB high	2680.0	23.82	23.26	21.80
		2593.0	23.32	22.00	22.33
		2506.0	22.84	22.55	21.48
	1 RB low	2680.0	23.75	23.10	21.73
		2593.0	23.32	21.91	22.30
		2506.0	23.07	22.87	21.34
	50% RB mid	2680.0	22.66	21.69	20.48
		2593.0	22.40	21.48	20.43
		2506.0	22.22	21.24	20.33
	100% RB	2680.0	22.67	21.56	20.58
		2593.0	22.32	21.20	20.20
		2506.0	22.12	21.40	20.21

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


LTE band 66

Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
1.4MHz	1 RB high	1779.3	23.94	22.87	21.77
		1745.0	23.38	22.82	20.95
		1710.7	23.62	22.75	21.80
	1 RB low	1779.3	23.89	22.89	21.86
		1745.0	23.40	22.93	21.06
		1710.7	23.60	22.28	21.82
	50% RB mid	1779.3	23.79	22.54	21.88
		1745.0	23.39	22.13	21.54
		1710.7	23.50	22.55	21.48
	100% RB	1779.3	22.86	21.69	20.59
		1745.0	22.46	21.29	20.11
		1710.7	22.51	21.41	20.58
3MHz	1 RB high	1778.5	23.83	22.65	21.77
		1745.0	23.42	22.98	21.48
		1711.5	23.47	22.05	21.94
	1 RB low	1778.5	23.77	22.50	21.61
		1745.0	23.44	22.56	21.37
		1711.5	23.43	22.46	21.92
	50% RB mid	1778.5	22.86	21.41	20.53
		1745.0	22.41	21.52	20.52
		1711.5	22.57	21.23	20.66
	100% RB	1778.5	22.91	21.67	20.83
		1745.0	22.43	21.27	20.48
		1711.5	22.59	21.49	20.60
5MHz	1 RB high	1777.5	23.80	22.57	21.53
		1745.0	23.09	22.81	21.62
		1712.5	23.55	22.01	21.52
	1 RB low	1777.5	23.49	22.58	21.61
		1745.0	23.16	22.59	21.42
		1712.5	23.38	21.87	21.39
	50% RB mid	1777.5	22.70	21.54	20.58
		1745.0	22.34	21.22	20.32
		1712.5	22.53	21.65	20.48
	100% RB	1777.5	22.71	21.53	20.71
		1745.0	22.39	21.29	20.25
		1712.5	22.55	21.35	20.72
10MHz	1 RB high	1775.0	23.75	22.56	21.75

Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
		1745.0	23.41	22.94	21.53
		1715.0	23.64	22.60	21.98
		1775.0	23.56	22.41	21.64
	1 RB low	1745.0	23.27	22.95	21.32
		1715.0	23.51	22.54	21.89
		1775.0	22.76	21.80	20.61
	50% RB mid	1745.0	22.38	21.46	20.44
		1715.0	22.57	21.57	20.47
		1775.0	22.69	21.62	20.71
	100% RB	1745.0	22.41	21.39	20.35
		1715.0	22.60	21.57	20.55
		1772.5	23.65	22.52	21.52
15MHz	1 RB high	1745.0	23.46	22.90	20.83
		1717.5	23.34	22.59	21.84
		1772.5	23.45	22.12	21.48
	1 RB low	1745.0	23.33	22.85	20.67
		1717.5	23.37	22.49	21.86
		1772.5	22.77	21.61	20.72
	50% RB mid	1745.0	22.45	21.35	20.49
		1717.5	22.58	21.66	20.52
		1772.5	22.70	21.61	20.82
	100% RB	1745.0	22.44	21.42	20.31
		1717.5	22.54	21.48	20.64
		1770.0	23.71	23.16	22.22
20MHz	1 RB high	1745.0	23.41	21.91	21.79
		1720.0	23.25	22.43	21.83
		1770.0	23.30	22.92	21.83
	1 RB low	1745.0	23.34	21.67	21.55
		1720.0	23.25	22.43	21.84
		1770.0	22.63	21.56	20.56
	50% RB mid	1745.0	22.45	21.34	20.44
		1720.0	22.57	21.51	20.66
		1770.0	22.59	21.59	20.62
	100% RB	1745.0	22.43	21.44	20.22
		1720.0	22.52	21.59	20.45
		1770.0	22.59	21.59	20.62

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


LTE band 71

Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
5MHz	1 RB high	690.5	22.63	21.83	20.81
		680.5	22.88	22.58	21.42
		670.5	23.12	21.68	21.07
	1 RB low	690.5	22.86	21.76	20.90
		680.5	22.82	22.18	21.09
		670.5	23.04	21.87	20.95
	50% RB mid	690.5	22.01	21.13	19.97
		680.5	22.05	20.97	20.08
		670.5	22.02	21.06	19.81
	100% RB	690.5	21.96	20.85	19.82
		680.5	22.00	21.06	19.92
		670.5	22.03	20.89	20.12
10MHz	1 RB high	688.0	22.88	21.85	20.74
		683.0	22.89	22.53	21.25
		673.0	23.41	21.87	21.56
	1 RB low	688.0	22.97	22.05	21.04
		683.0	23.12	22.58	21.08
		673.0	23.27	21.88	21.53
	50% RB mid	688.0	21.95	21.08	20.10
		683.0	22.12	21.07	20.07
		673.0	22.11	21.14	20.13
	100% RB	688.0	21.99	21.03	19.87
		683.0	22.13	21.14	20.00
		673.0	22.13	21.22	20.00
15MHz	1 RB high	695.5	22.73	21.79	20.81
		680.5	23.26	21.43	20.91
		665.5	23.06	22.21	21.55
	1 RB low	695.5	22.72	21.71	20.93
		680.5	22.98	21.40	20.66
		665.5	23.07	22.12	21.36
	50% RB mid	695.5	22.01	20.94	19.88
		680.5	22.05	21.05	20.12
		665.5	22.08	21.08	20.07
	100% RB	695.5	21.96	21.01	19.99
		680.5	22.05	20.96	20.06
		665.5	22.03	20.90	20.01
20MHz	1 RB high	693.0	23.22	22.27	21.56



Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
		680.5	23.00	21.79	21.11
		668.0	22.98	21.97	21.40
		693.0	22.96	22.42	21.70
	1 RB low	680.5	23.13	21.32	21.12
		668.0	22.77	21.90	21.13
		693.0	22.01	20.97	19.84
	50% RB mid	680.5	22.04	20.98	19.97
		668.0	22.04	21.12	19.89
		693.0	21.93	20.95	19.87
	100% RB	680.5	22.05	20.97	19.75
		668.0	22.01	21.01	20.00
		693.0	22.01	21.01	20.00

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".

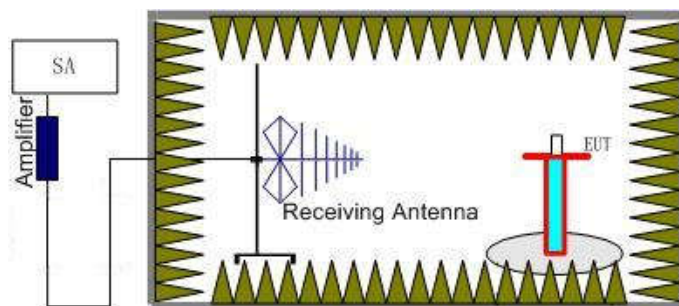
Rule Part 27.50(a)(3) specifies "For mobile and portable stations transmitting in the 2305–2315 MHz band or the 2350–2360 MHz band, the average EIRP must not exceed 50 milliwatts within any 1 megahertz of authorized bandwidth, except that for mobile and portable stations compliant with 3GPP LTE standards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

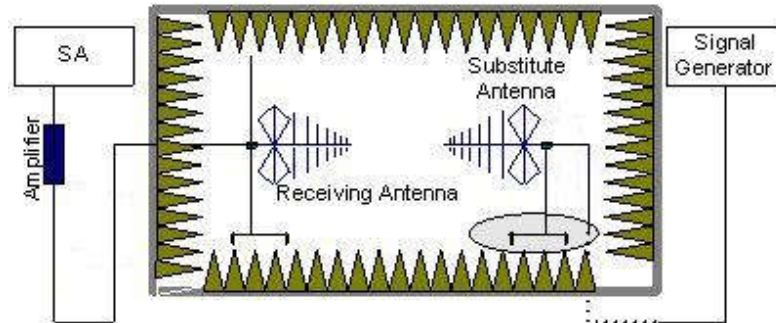
A.1.3.2 Method of Measurement

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:
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****LTE Band 2- EIRP Part 24. 232(c)****Limits: $\leq 33\text{dBm}$ (2W)****LTE Band 2_1.4MHz_QPSK**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1850.70	-15.02	-29.30	8.10	22.38	33.00	H
1880.00	-13.26	-29.40	8.10	24.24	33.00	H
1909.30	-15.32	-29.30	8.10	22.08	33.00	H

LTE Band 2_3MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1851.50	-15.23	-29.30	8.10	22.17	33.00	H
1880.00	-13.44	-29.40	8.10	24.06	33.00	H
1908.50	-15.57	-29.30	8.10	21.83	33.00	H

LTE Band 2_5MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1852.50	-15.37	-29.30	8.10	22.03	33.00	H
1880.00	-13.56	-29.40	8.10	23.94	33.00	H
1907.50	-15.73	-29.30	8.10	21.67	33.00	H

LTE Band 2_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1855.00	-15.25	-29.30	8.10	22.15	33.00	H
1880.00	-13.52	-29.40	8.10	23.98	33.00	H
1905.00	-15.53	-29.30	8.10	21.87	33.00	H

LTE Band 2_15MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1857.50	-15.25	-29.30	8.10	22.15	33.00	H
1880.00	-13.57	-29.40	8.10	23.93	33.00	H
1902.50	-15.71	-29.30	8.10	21.69	33.00	H

LTE Band 2_20MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1860.00	-15.31	-29.30	8.10	22.09	33.00	H
1880.00	-13.67	-29.40	8.10	23.82	33.00	H
1900.00	-15.67	-29.30	8.10	21.73	33.00	H

**LTE Band 2_1.4MHz_16QAM**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1850.70	-16.14	-29.30	8.10	21.26	33.00	H
1880.00	-14.35	-29.40	8.10	23.15	33.00	H
1909.30	-16.57	-29.30	8.10	20.83	33.00	H

LTE Band 2_3MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1851.50	-16.22	-29.30	8.10	21.18	33.00	H
1880.00	-14.56	-29.40	8.10	22.94	33.00	H
1908.50	-16.75	-29.30	8.10	20.65	33.00	H

LTE Band 2_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1852.50	-16.51	-29.30	8.10	20.89	33.00	H
1880.00	-14.74	-29.40	8.10	22.76	33.00	H
1907.50	-17.02	-29.30	8.10	20.38	33.00	H

LTE Band 2_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1855.00	-16.38	-29.30	8.10	21.02	33.00	H
1880.00	-14.65	-29.40	8.10	22.85	33.00	H
1905.00	-16.67	-29.30	8.10	20.73	33.00	H

LTE Band 2_15MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1857.50	-16.47	-29.30	8.10	20.93	33.00	H
1880.00	-14.79	-29.40	8.10	22.71	33.00	H
1902.50	-16.92	-29.30	8.10	20.48	33.00	H

LTE Band 2_20MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1860.00	-16.51	-29.30	8.10	20.89	33.00	H
1880.00	-14.93	-29.40	8.10	22.57	33.00	H
1900.00	-16.87	-29.30	8.10	20.53	33.00	H

**LTE Band 2_1.4MHz_64QAM**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1850.70	-17.35	-29.30	8.10	20.05	33.00	H
1880.00	-15.45	-29.40	8.10	22.05	33.00	H
1909.30	-17.59	-29.30	8.10	19.80	33.00	H

LTE Band 2_3MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1851.50	-17.59	-29.30	8.10	19.81	33.00	H
1880.00	-15.94	-29.40	8.10	21.56	33.00	H
1908.50	-17.92	-29.30	8.10	19.48	33.00	H

LTE Band 2_5MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1852.50	-17.84	-29.30	8.10	19.56	33.00	H
1880.00	-16.06	-29.40	8.10	21.44	33.00	H
1907.50	-18.34	-29.30	8.10	19.05	33.00	H

LTE Band 2_10MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1855.00	-17.76	-29.30	8.10	19.64	33.00	H
1880.00	-16.03	-29.40	8.10	21.47	33.00	H
1905.00	-18.14	-29.30	8.10	19.26	33.00	H

LTE Band 2_15MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1857.50	-17.76	-29.30	8.10	19.64	33.00	H
1880.00	-16.08	-29.40	8.10	21.42	33.00	H
1902.50	-18.41	-29.30	8.10	18.99	33.00	H

LTE Band 2_20MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1860.00	-17.85	-29.30	8.10	19.55	33.00	H
1880.00	-16.27	-29.40	8.10	21.23	33.00	H
1900.00	-18.41	-29.30	8.10	18.99	33.00	H

**LTE Band 4- EIRP Part 27.50(d)(4)****Limits: $\leq 30\text{dBm}$ (1W)****LTE Band 4_1.4MHz_QPSK**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1710.70	-15.57	-29.60	8.10	22.13	30.00	H
1732.50	-15.34	-29.60	8.10	22.36	30.00	H
1754.30	-15.62	-29.50	8.10	21.98	30.00	H

LTE Band 4_3MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1711.50	-15.78	-29.60	8.10	21.92	30.00	H
1732.50	-15.52	-29.60	8.10	22.18	30.00	H
1753.50	-15.87	-29.50	8.10	21.73	30.00	H

LTE Band 4_5MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1712.50	-15.92	-29.60	8.10	21.78	30.00	H
1732.50	-15.64	-29.60	8.10	22.06	30.00	H
1752.50	-16.03	-29.50	8.10	21.57	30.00	H

LTE Band 4_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1715.00	-16.00	-29.60	8.10	21.70	30.00	H
1732.50	-15.80	-29.60	8.10	21.90	30.00	H
1750.00	-16.13	-29.50	8.10	21.47	30.00	H

LTE Band 4_15MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1717.50	-16.11	-29.60	8.10	21.59	30.00	H
1732.50	-15.95	-29.60	8.10	21.75	30.00	H
1747.50	-16.21	-29.50	8.10	21.39	30.00	H

LTE Band 4_20MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1720.00	-16.27	-29.60	8.10	21.43	30.00	H
1732.50	-16.05	-29.60	8.10	21.65	30.00	H
1745.00	-16.37	-29.50	8.10	21.23	30.00	H

**LTE Band 4_1.4MHz_16QAM**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1710.70	-16.69	-29.60	8.10	21.01	30.00	H
1732.50	-16.43	-29.60	8.10	21.27	30.00	H
1754.30	-16.87	-29.50	8.10	20.73	30.00	H

LTE Band 4_3MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1711.50	-16.77	-29.60	8.10	20.93	30.00	H
1732.50	-16.64	-29.60	8.10	21.06	30.00	H
1753.50	-17.05	-29.50	8.10	20.55	30.00	H

LTE Band 4_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1712.50	-17.07	-29.60	8.10	20.63	30.00	H
1732.50	-16.81	-29.60	8.10	20.89	30.00	H
1752.50	-17.32	-29.50	8.10	20.28	30.00	H

LTE Band 4_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1715.00	-17.14	-29.60	8.10	20.56	30.00	H
1732.50	-16.93	-29.60	8.10	20.77	30.00	H
1750.00	-17.27	-29.50	8.10	20.33	30.00	H

LTE Band 4_15MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1717.50	-17.32	-29.60	8.10	20.38	30.00	H
1732.50	-17.17	-29.60	8.10	20.53	30.00	H
1747.50	-17.42	-29.50	8.10	20.18	30.00	H

LTE Band 4_20MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1720.00	-17.46	-29.60	8.10	20.24	30.00	H
1732.50	-17.31	-29.60	8.10	20.39	30.00	H
1745.00	-17.57	-29.50	8.10	20.03	30.00	H

**LTE Band 4_1.4MHz_64QAM**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1710.70	-17.91	-29.60	8.10	19.79	30.00	H
1732.50	-17.53	-29.60	8.10	20.17	30.00	H
1754.30	-17.90	-29.50	8.10	19.70	30.00	H

LTE Band 4_3MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1711.50	-18.15	-29.60	8.10	19.55	30.00	H
1732.50	-18.02	-29.60	8.10	19.68	30.00	H
1753.50	-18.22	-29.50	8.10	19.38	30.00	H

LTE Band 4_5MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1712.50	-18.40	-29.60	8.10	19.30	30.00	H
1732.50	-18.14	-29.60	8.10	19.56	30.00	H
1752.50	-18.65	-29.50	8.10	18.95	30.00	H

LTE Band 4_10MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1715.00	-18.52	-29.60	8.10	19.18	30.00	H
1732.50	-18.31	-29.60	8.10	19.39	30.00	H
1750.00	-18.74	-29.50	8.10	18.86	30.00	H

LTE Band 4_15MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1717.50	-18.62	-29.60	8.10	19.08	30.00	H
1732.50	-18.46	-29.60	8.10	19.24	30.00	H
1747.50	-18.91	-29.50	8.10	18.69	30.00	H

LTE Band 4_20MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1720.00	-18.81	-29.60	8.10	18.89	30.00	H
1732.50	-18.65	-29.60	8.10	19.05	30.00	H
1745.00	-19.11	-29.50	8.10	18.49	30.00	H

**LTE Band 5- ERP Part 22.913(a)****Limits: $\leq 38.45\text{dBm}$ (7W)****LTE Band 5_1.4MHz_QPSK**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
824.70	-10.86	-33.60	-0.79	2.15	19.80	38.45	V
836.50	-10.69	-33.50	-0.74	2.15	19.92	38.45	V
848.30	-10.52	-33.50	-0.73	2.15	20.10	38.45	V

LTE Band 5_3MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
825.50	-10.98	-33.60	-0.84	2.15	19.63	38.45	V
836.50	-10.87	-33.50	-0.74	2.15	19.74	38.45	V
847.50	-10.73	-33.50	-0.73	2.15	19.89	38.45	V

LTE Band 5_5MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
826.50	-11.06	-33.60	-0.84	2.15	19.55	38.45	V
836.50	-10.98	-33.50	-0.74	2.15	19.63	38.45	V
846.50	-10.83	-33.50	-0.73	2.15	19.79	38.45	V

LTE Band 5_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
829.00	-11.14	-33.60	-0.84	2.15	19.47	38.45	V
836.50	-11.05	-33.50	-0.74	2.15	19.56	38.45	V
844.00	-10.88	-33.50	-0.78	2.15	19.69	38.45	V

**LTE Band 5_1.4MHz_16QAM**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
824.70	-11.88	-33.60	-0.79	2.15	18.78	38.45	V
836.50	-11.71	-33.50	-0.74	2.15	18.91	38.45	V
848.30	-11.67	-33.50	-0.73	2.15	18.95	38.45	V

LTE Band 5_3MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
825.50	-11.97	-33.60	-0.84	2.15	18.64	38.45	V
836.50	-11.90	-33.50	-0.74	2.15	18.72	38.45	V
847.50	-11.80	-33.50	-0.73	2.15	18.81	38.45	V

LTE Band 5_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
826.50	-12.11	-33.60	-0.84	2.15	18.50	38.45	V
836.50	-12.06	-33.50	-0.74	2.15	18.56	38.45	V
846.50	-11.84	-33.50	-0.73	2.15	18.78	38.45	V

LTE Band 5_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
829.00	-12.18	-33.60	-0.84	2.15	18.43	38.45	V
836.50	-12.09	-33.50	-0.74	2.15	18.53	38.45	V
844.00	-11.91	-33.50	-0.78	2.15	18.65	38.45	V

**LTE Band 5_1.4MHz_64QAM**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
824.70	-12.89	-33.60	-0.79	2.15	17.76	38.45	V
836.50	-12.81	-33.50	-0.74	2.15	17.81	38.45	V
848.30	-12.69	-33.50	-0.73	2.15	17.93	38.45	V

LTE Band 5_3MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
825.50	-12.95	-33.60	-0.84	2.15	17.66	38.45	V
836.50	-12.90	-33.50	-0.74	2.15	17.71	38.45	V
847.50	-12.68	-33.50	-0.73	2.15	17.94	38.45	V

LTE Band 5_5MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
826.50	-13.13	-33.60	-0.84	2.15	17.48	38.45	V
836.50	-13.08	-33.50	-0.74	2.15	17.53	38.45	V
846.50	-12.76	-33.50	-0.73	2.15	17.86	38.45	V

LTE Band 5_10MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
829.00	-13.25	-33.60	-0.84	2.15	17.36	38.45	V
836.50	-13.16	-33.50	-0.74	2.15	17.45	38.45	V
844.00	-12.99	-33.50	-0.78	2.15	17.58	38.45	V

**LTE Band 7- EIRP Part 27.50(h)(2)****Limits: ≤ 33 dBm (2W)****LTE Band 7_5MHz_QPSK**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2502.50	-17.07	-28.70	10.70	22.33	33.00	H
2535.00	-17.41	-28.60	10.70	21.89	33.00	H
2567.50	-17.52	-28.60	10.70	21.78	33.00	H

LTE Band 7_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2505.00	-17.38	-28.70	10.70	22.02	33.00	H
2535.00	-17.63	-28.60	10.70	21.67	33.00	H
2565.00	-17.82	-28.60	10.70	21.48	33.00	H

LTE Band 7_15MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2507.50	-17.46	-28.70	10.70	21.94	33.00	H
2535.00	-17.82	-28.60	10.70	21.48	33.00	H
2562.50	-17.84	-28.60	10.70	21.46	33.00	H

LTE Band 7_20MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2510.00	-17.76	-28.70	10.70	21.64	33.00	H
2535.00	-17.97	-28.60	10.70	21.33	33.00	H
2560.00	-18.18	-28.60	10.70	21.12	33.00	H

**LTE Band 7_5MHz_16QAM**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2502.50	-18.14	-28.70	10.70	21.26	33.00	H
2535.00	-18.55	-28.60	10.70	20.75	33.00	H
2567.50	-18.43	-28.60	10.70	20.87	33.00	H

LTE Band 7_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2505.00	-18.55	-28.70	10.70	20.85	33.00	H
2535.00	-18.86	-28.60	10.70	20.44	33.00	H
2565.00	-19.10	-28.60	10.70	20.20	33.00	H

LTE Band 7_15MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2507.50	-18.20	-28.70	10.70	21.20	33.00	H
2535.00	-18.71	-28.60	10.70	20.59	33.00	H
2562.50	-18.82	-28.60	10.70	20.48	33.00	H

LTE Band 7_20MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2510.00	-18.73	-28.70	10.70	20.67	33.00	H
2535.00	-19.02	-28.60	10.70	20.28	33.00	H
2560.00	-19.15	-28.60	10.70	20.15	33.00	H

**LTE Band 7_5MHz_64QAM**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2502.50	-19.04	-28.70	10.70	20.36	33.00	H
2535.00	-19.46	-28.60	10.70	19.84	33.00	H
2567.50	-19.39	-28.60	10.70	19.91	33.00	H

LTE Band 7_10MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2505.00	-19.42	-28.70	10.70	19.98	33.00	H
2535.00	-19.77	-28.60	10.70	19.53	33.00	H
2565.00	-19.89	-28.60	10.70	19.41	33.00	H

LTE Band 7_15MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2507.50	-19.30	-28.70	10.70	20.10	33.00	H
2535.00	-19.68	-28.60	10.70	19.62	33.00	H
2562.50	-19.77	-28.60	10.70	19.53	33.00	H

LTE Band 7_20MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2510.00	-19.62	-28.70	10.70	19.78	33.00	H
2535.00	-19.72	-28.60	10.70	19.58	33.00	H
2560.00	-19.96	-28.60	10.70	19.34	33.00	H

**LTE Band 12 - ERP Part 27.50(c)(10)****Limits: $\leq 34.77\text{dBm}$ (3W)****LTE Band 12_1.4MHz_QPSK**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
699.70	-11.26	-34.80	-0.93	2.15	20.46	34.77	V
707.50	-11.22	-34.70	-0.91	2.15	20.42	34.77	V
715.30	-11.74	-34.70	-0.68	2.15	20.13	34.77	V

LTE Band 12_3MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
700.50	-11.40	-34.80	-0.97	2.15	20.28	34.77	V
707.50	-11.40	-34.70	-0.91	2.15	20.24	34.77	V
714.50	-11.98	-34.70	-0.64	2.15	19.92	34.77	V

LTE Band 12_5MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
701.50	-11.47	-34.80	-0.97	2.15	20.21	34.77	V
707.50	-11.51	-34.70	-0.91	2.15	20.13	34.77	V
713.50	-12.09	-34.70	-0.64	2.15	19.82	34.77	V

LTE Band 12_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
704.00	-11.56	-34.80	-0.97	2.15	20.12	34.77	V
707.50	-11.58	-34.70	-0.91	2.15	20.06	34.77	V
711.00	-12.19	-34.70	-0.64	2.15	19.72	34.77	V

**LTE Band 12_1.4MHz_16QAM**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
699.70	-12.28	-34.80	-0.93	2.15	19.44	34.77	V
707.50	-12.24	-34.70	-0.91	2.15	19.41	34.77	V
715.30	-12.89	-34.70	-0.68	2.15	18.98	34.77	V

LTE Band 12_3MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
700.50	-12.38	-34.80	-0.97	2.15	19.30	34.77	V
707.50	-12.43	-34.70	-0.91	2.15	19.22	34.77	V
714.50	-13.06	-34.70	-0.64	2.15	18.84	34.77	V

LTE Band 12_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
701.50	-12.52	-34.80	-0.97	2.15	19.16	34.77	V
707.50	-12.59	-34.70	-0.91	2.15	19.05	34.77	V
713.50	-13.09	-34.70	-0.64	2.15	18.81	34.77	V

LTE Band 12_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
704.00	-12.59	-34.80	-0.97	2.15	19.09	34.77	V
707.50	-12.62	-34.70	-0.91	2.15	19.03	34.77	V
711.00	-13.22	-34.70	-0.64	2.15	18.68	34.77	V

**LTE Band 12_1.4MHz_64QAM**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
699.70	-13.30	-34.80	-0.93	2.15	18.42	34.77	V
707.50	-13.34	-34.70	-0.91	2.15	18.31	34.77	V
715.30	-13.91	-34.70	-0.68	2.15	17.95	34.77	V

LTE Band 12_3MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
700.50	-13.36	-34.80	-0.97	2.15	18.32	34.77	V
707.50	-13.43	-34.70	-0.91	2.15	18.21	34.77	V
714.50	-13.94	-34.70	-0.64	2.15	17.97	34.77	V

LTE Band 12_5MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
701.50	-13.55	-34.80	-0.97	2.15	18.13	34.77	V
707.50	-13.62	-34.70	-0.91	2.15	18.03	34.77	V
713.50	-14.02	-34.70	-0.64	2.15	17.89	34.77	V

LTE Band 12_10MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
704.00	-13.67	-34.80	-0.97	2.15	18.01	34.77	V
707.50	-13.69	-34.70	-0.91	2.15	17.95	34.77	V
711.00	-14.30	-34.70	-0.64	2.15	17.61	34.77	V

**LTE Band 13- ERP Part 27.50(b)(10)****Limits: ≤ 34.77 dBm (3W)****LTE Band 13_5MHz_QPSK**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
779.50	-11.60	-34.00	-0.08	2.15	20.16	34.77	V
782.00	-11.38	-34.00	-0.13	2.15	20.34	34.77	V
784.50	-11.27	-34.00	-0.13	2.15	20.45	34.77	V

LTE Band 13_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
782.00	-11.79	-34.00	-0.13	2.15	19.93	34.77	V

LTE Band 13_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
779.50	-12.69	-34.00	-0.08	2.15	19.07	34.77	V
782.00	-12.57	-34.00	-0.13	2.15	19.15	34.77	V
784.50	-12.41	-34.00	-0.13	2.15	19.32	34.77	V

LTE Band 13_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
782.00	-12.66	-34.00	-0.13	2.15	19.06	34.77	V

LTE Band 13_5MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
779.50	-13.56	-34.00	-0.08	2.15	18.20	34.77	V
782.00	-13.44	-34.00	-0.13	2.15	18.28	34.77	V
784.50	-13.28	-34.00	-0.13	2.15	18.45	34.77	V

LTE Band 13_10MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
782.00	-13.55	-34.00	-0.13	2.15	18.17	34.77	V

**LTE Band 14- ERP 90.542(a)(7)****Limits: ≤ 34.77 dBm (3W)****LTE Band 14_5MHz_QPSK**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
790.50	-10.60	-34.00	-0.42	2.15	20.83	34.77	V
793.00	-10.69	-33.90	-0.42	2.15	20.65	34.77	V
795.50	-10.40	-33.90	-0.46	2.15	20.89	34.77	V

LTE Band 14_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
793.00	-11.10	-33.90	-0.42	2.15	20.24	34.77	V

LTE Band 14_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
790.50	-11.69	-34.00	-0.42	2.15	19.74	34.77	V
793.00	-11.88	-33.90	-0.42	2.15	19.46	34.77	V
795.50	-11.54	-33.90	-0.46	2.15	19.75	34.77	V

LTE Band 14_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
793.00	-11.97	-33.90	-0.42	2.15	19.37	34.77	V

LTE Band 14_5MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
790.50	-12.56	-34.00	-0.42	2.15	18.87	34.77	V
793.00	-12.75	-33.90	-0.42	2.15	18.59	34.77	V
795.50	-12.41	-33.90	-0.46	2.15	18.88	34.77	V

LTE Band 14_10MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
793.00	-12.86	-33.90	-0.42	2.15	18.48	34.77	V

**LTE Band 17- ERP 27.50(c)(10)****Limits: ≤ 34.77 dBm (3W)****LTE Band 17_5MHz_QPSK**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
706.50	-11.18	-34.70	-0.91	2.15	20.46	34.77	V
710.00	-11.71	-34.70	-0.64	2.15	20.20	34.77	V
713.50	-11.97	-34.70	-0.64	2.15	19.93	34.77	V

LTE Band 17_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
709.00	-11.36	-34.70	-0.91	2.15	20.29	34.77	V
710.00	-11.88	-34.70	-0.64	2.15	20.02	34.77	V
711.00	-12.18	-34.70	-0.64	2.15	19.72	34.77	V

**LTE Band 17_5MHz_16QAM**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
706.50	-12.20	-34.70	-0.91	2.15	19.44	34.77	V
710.00	-12.72	-34.70	-0.64	2.15	19.19	34.77	V
713.50	-13.13	-34.70	-0.64	2.15	18.78	34.77	V

LTE Band 17_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
709.00	-12.35	-34.70	-0.91	2.15	19.30	34.77	V
710.00	-12.91	-34.70	-0.64	2.15	19.00	34.77	V
711.00	-13.26	-34.70	-0.64	2.15	18.64	34.77	V

**LTE Band 17_5MHz_64QAM**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
706.50	-13.22	-34.70	-0.91	2.15	18.42	34.77	V
710.00	-13.82	-34.70	-0.64	2.15	18.09	34.77	V
713.50	-14.15	-34.70	-0.64	2.15	17.76	34.77	V

LTE Band 17_10MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
709.00	-13.32	-34.70	-0.91	2.15	18.32	34.77	V
710.00	-13.92	-34.70	-0.64	2.15	17.99	34.77	V
711.00	-14.14	-34.70	-0.64	2.15	17.77	34.77	V

**LTE band 25- ERP Part 24. 232(c)****Limits: $\leq 33.00\text{dBm}$ (2W)****LTE Band 25_1.4MHz_QPSK**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1850.70	-15.12	-29.30	8.10	22.28	33.00	H
1882.50	-15.47	-29.40	8.10	22.03	33.00	H
1914.30	-15.01	-29.30	8.10	22.39	33.00	H

LTE Band 25_3MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1851.50	-15.33	-29.30	8.10	22.07	33.00	H
1882.50	-15.65	-29.40	8.10	21.85	33.00	H
1913.50	-15.26	-29.30	8.10	22.14	33.00	H

LTE Band 25_5MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1852.50	-15.47	-29.30	8.10	21.93	33.00	H
1882.50	-15.77	-29.40	8.10	21.73	33.00	H
1912.50	-15.42	-29.30	8.10	21.98	33.00	H

LTE Band 25_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1855.00	-15.55	-29.30	8.10	21.85	33.00	H
1882.00	-15.93	-29.40	8.10	21.57	33.00	H
1910.00	-15.52	-29.30	8.10	21.88	33.00	H

LTE Band 25_15MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1857.50	-15.66	-29.30	8.10	21.74	33.00	H
1882.50	-16.09	-29.40	8.10	21.41	33.00	H
1907.50	-15.60	-29.30	8.10	21.80	33.00	H

LTE Band 25_20MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1860.00	-15.82	-29.30	8.10	21.58	33.00	H
1882.50	-16.19	-29.40	8.10	21.31	33.00	H
1905.00	-15.77	-29.30	8.10	21.63	33.00	H

**LTE Band 25_1.4MHz_16QAM**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1850.70	-16.14	-29.30	8.10	21.26	33.00	H
1882.50	-16.56	-29.40	8.10	20.93	33.00	H
1914.30	-16.07	-29.30	8.10	21.33	33.00	H

LTE Band 25_3MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1851.50	-16.22	-29.30	8.10	21.18	33.00	H
1882.50	-16.67	-29.40	8.10	20.83	33.00	H
1913.50	-16.34	-29.30	8.10	21.06	33.00	H

LTE Band 25_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1852.50	-16.52	-29.30	8.10	20.88	33.00	H
1882.50	-16.85	-29.40	8.10	20.65	33.00	H
1912.50	-16.51	-29.30	8.10	20.89	33.00	H

LTE Band 25_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1855.00	-16.59	-29.30	8.10	20.81	33.00	H
1882.00	-16.96	-29.40	8.10	20.54	33.00	H
1910.00	-16.56	-29.30	8.10	20.84	33.00	H

LTE Band 25_15MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1857.50	-16.67	-29.30	8.10	20.73	33.00	H
1882.50	-17.10	-29.40	8.10	20.40	33.00	H
1907.50	-16.61	-29.30	8.10	20.79	33.00	H

LTE Band 25_20MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1860.00	-16.91	-29.30	8.10	20.49	33.00	H
1882.50	-17.24	-29.40	8.10	20.26	33.00	H
1905.00	-16.86	-29.30	8.10	20.54	33.00	H

**LTE Band 25_1.4MHz_64QAM**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1850.70	-16.96	-29.30	8.10	20.44	33.00	H
1882.50	-17.46	-29.40	8.10	20.04	33.00	H
1914.30	-16.89	-29.30	8.10	20.51	33.00	H

LTE Band 25_3MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1851.50	-17.10	-29.30	8.10	20.30	33.00	H
1882.50	-17.55	-29.40	8.10	19.95	33.00	H
1913.50	-17.22	-29.30	8.10	20.18	33.00	H

LTE Band 25_5MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1852.50	-17.25	-29.30	8.10	20.15	33.00	H
1882.50	-17.57	-29.40	8.10	19.93	33.00	H
1912.50	-17.24	-29.30	8.10	20.16	33.00	H

LTE Band 25_10MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1855.00	-17.47	-29.30	8.10	19.93	33.00	H
1882.00	-17.84	-29.40	8.10	19.66	33.00	H
1910.00	-17.46	-29.30	8.10	19.94	33.00	H

LTE Band 25_15MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1857.50	-17.48	-29.30	8.10	19.92	33.00	H
1882.50	-17.90	-29.40	8.10	19.60	33.00	H
1907.50	-17.42	-29.30	8.10	19.98	33.00	H

LTE Band 25_20MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1860.00	-17.66	-29.30	8.10	19.74	33.00	H
1882.50	-18.08	-29.40	8.10	19.42	33.00	H
1905.00	-17.60	-29.30	8.10	19.80	33.00	H

**LTE band 26(824MHz-849MHz)- ERP Part 22.913(a)****Limits: $\leq 38.45\text{dBm}$ (7W)****LTE Band 26(824MHz-849MHz)_1.4MHz_QPSK**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
824.70	-10.52	-33.60	-0.79	2.15	20.14	38.45	H
836.50	-10.04	-33.50	-0.74	2.15	20.58	38.45	H
848.30	-9.45	-33.50	-0.73	2.15	21.17	38.45	H

LTE Band 26(824MHz-849MHz)_3MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
825.50	-10.69	-33.60	-0.79	2.15	19.97	38.45	H
836.50	-10.22	-33.50	-0.74	2.15	20.40	38.45	H
847.50	-9.66	-33.50	-0.73	2.15	20.96	38.45	H

LTE Band 26(824MHz-849MHz)_5MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
826.50	-10.77	-33.60	-0.79	2.15	19.89	38.45	H
836.50	-10.33	-33.50	-0.74	2.15	20.29	38.45	H
846.50	-9.76	-33.50	-0.73	2.15	20.86	38.45	H

LTE Band 26(824MHz-849MHz)_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
829.00	-10.85	-33.60	-0.79	2.15	19.81	38.45	H
836.50	-10.40	-33.50	-0.74	2.15	20.22	38.45	H
844.00	-9.86	-33.50	-0.73	2.15	20.76	38.45	H

LTE Band 26(824MHz-849MHz)_15MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
831.50	-10.96	-33.60	-0.79	2.15	19.70	38.45	H
836.50	-10.47	-33.50	-0.74	2.15	20.14	38.45	H
841.50	-9.93	-33.50	-0.73	2.15	20.68	38.45	H

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

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
----------------	------------------------	---	-------------------------	--------------------	----------	------------	--------------



824.70	-11.54	-33.60	-0.79	2.15	19.12	38.45	H
836.50	-11.05	-33.50	-0.74	2.15	19.56	38.45	H
848.30	-10.60	-33.50	-0.73	2.15	20.02	38.45	H

LTE Band 26(824MHz-849MHz)_3MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
825.50	-11.68	-33.60	-0.79	2.15	18.98	38.45	H
836.50	-11.24	-33.50	-0.74	2.15	19.37	38.45	H
847.50	-10.73	-33.50	-0.73	2.15	19.89	38.45	H

LTE Band 26(824MHz-849MHz)_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
826.50	-11.81	-33.60	-0.79	2.15	18.84	38.45	H
836.50	-11.40	-33.50	-0.74	2.15	19.21	38.45	H
846.50	-10.76	-33.50	-0.73	2.15	19.85	38.45	H

LTE Band 26(824MHz-849MHz)_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
829.00	-11.88	-33.60	-0.79	2.15	18.77	38.45	H
836.50	-11.43	-33.50	-0.74	2.15	19.18	38.45	H
844.00	-10.89	-33.50	-0.73	2.15	19.73	38.45	H

LTE Band 26(824MHz-849MHz)_15MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
831.50	-12.07	-33.60	-0.79	2.15	18.59	38.45	H
836.50	-11.58	-33.50	-0.74	2.15	19.03	38.45	H
841.50	-11.05	-33.50	-0.73	2.15	19.57	38.45	H

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

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
824.70	-12.55	-33.60	-0.79	2.15	18.10	38.45	H
836.50	-12.15	-33.50	-0.74	2.15	18.46	38.45	H
848.30	-11.62	-33.50	-0.73	2.15	19.00	38.45	H

LTE Band 26(824MHz-849MHz)_3MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
825.50	-12.66	-33.60	-0.79	2.15	18.00	38.45	H
836.50	-12.25	-33.50	-0.74	2.15	18.37	38.45	H
847.50	-11.61	-33.50	-0.73	2.15	19.01	38.45	H

LTE Band 26(824MHz-849MHz)_5MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
826.50	-12.84	-33.60	-0.79	2.15	17.82	38.45	H
836.50	-12.43	-33.50	-0.74	2.15	18.18	38.45	H
846.50	-11.69	-33.50	-0.73	2.15	18.93	38.45	H

LTE Band 26(824MHz-849MHz)_10MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
829.00	-12.96	-33.60	-0.79	2.15	17.70	38.45	H
836.50	-12.51	-33.50	-0.74	2.15	18.11	38.45	H
844.00	-11.97	-33.50	-0.73	2.15	18.65	38.45	H

LTE Band 26(824MHz-849MHz)_15MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
831.50	-13.07	-33.60	-0.79	2.15	17.58	38.45	H
836.50	-12.59	-33.50	-0.74	2.15	18.03	38.45	H
841.50	-12.05	-33.50	-0.73	2.15	18.57	38.45	H

**LTE band 26(814MHz-824MHz)- ERP Part 90.635(b)****Limits: ≤50.00dBm (100W)****LTE Band 26(814MHz-824MHz)_1.4MHz_QPSK**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
814.70	-10.82	-33.70	-0.80	2.15	19.93	50.00	H
819.00	-10.62	-33.60	-0.75	2.15	20.08	50.00	H
823.30	-10.49	-33.60	-0.79	2.15	20.17	50.00	H

LTE Band 26(814MHz-824MHz)_3MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
815.50	-10.99	-33.70	-0.80	2.15	19.76	50.00	H
819.00	-10.80	-33.60	-0.75	2.15	19.90	50.00	H
822.50	-10.70	-33.60	-0.79	2.15	19.96	50.00	H

LTE Band 26(814MHz-824MHz)_5MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
816.50	-11.07	-33.70	-0.80	2.15	19.68	50.00	H
819.00	-10.91	-33.60	-0.75	2.15	19.79	50.00	H
821.50	-10.80	-33.60	-0.79	2.15	19.86	50.00	H

LTE Band 26(814MHz-824MHz)_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
819.00	-11.05	-33.60	-0.80	2.15	19.60	50.00	H
819.00	-10.98	-33.60	-0.75	2.15	19.72	50.00	H
819.00	-10.90	-33.60	-0.79	2.15	19.76	50.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
814.70	-11.84	-33.70	-0.80	2.15	18.91	50.00	H
819.00	-11.64	-33.60	-0.75	2.15	19.07	50.00	H
823.30	-11.64	-33.60	-0.79	2.15	19.01	50.00	H

LTE Band 26(814MHz-824MHz)_3MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
----------------	------------------------	---	-------------------------	--------------------	----------	------------	--------------



815.50	-11.98	-33.70	-0.80	2.15	18.77	50.00	H
819.00	-11.83	-33.60	-0.75	2.15	18.88	50.00	H
822.50	-11.77	-33.60	-0.79	2.15	18.88	50.00	H

LTE Band 26(814MHz-824MHz)_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
816.50	-12.12	-33.70	-0.80	2.15	18.63	50.00	H
819.00	-11.99	-33.60	-0.75	2.15	18.71	50.00	H
821.50	-11.81	-33.60	-0.79	2.15	18.85	50.00	H

LTE Band 26(814MHz-824MHz)_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
819.00	-12.09	-33.60	-0.80	2.15	18.56	50.00	H
819.00	-12.02	-33.60	-0.75	2.15	18.69	50.00	H
819.00	-11.93	-33.60	-0.79	2.15	18.72	50.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
814.70	-12.86	-33.70	-0.80	2.15	17.89	50.00	H
819.00	-12.74	-33.60	-0.75	2.15	17.97	50.00	H
823.30	-12.66	-33.60	-0.79	2.15	17.99	50.00	H

LTE Band 26(814MHz-824MHz)_3MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
815.50	-12.96	-33.70	-0.80	2.15	17.79	50.00	H
819.00	-12.83	-33.60	-0.75	2.15	17.87	50.00	H
822.50	-12.65	-33.60	-0.79	2.15	18.00	50.00	H

LTE Band 26(814MHz-824MHz)_5MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
816.50	-13.14	-33.70	-0.80	2.15	17.61	50.00	H
819.00	-13.02	-33.60	-0.75	2.15	17.69	50.00	H
821.50	-12.73	-33.60	-0.79	2.15	17.92	50.00	H

LTE Band 26(814MHz-824MHz)_10MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
819.00	-13.16	-33.60	-0.80	2.15	17.48	50.00	H
819.00	-13.09	-33.60	-0.75	2.15	17.61	50.00	H
819.00	-13.01	-33.60	-0.79	2.15	17.64	50.00	H

**LTE Band 30 - EIRP Part 27.50(a)(3)****Limits: $\leq 23.98\text{dBm}$ (0.25W)****LTE Band 30_5MHz_QPSK**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2307.50	-16.61	-28.80	9.80	21.99	23.98	H
2310.00	-16.82	-28.80	9.80	21.79	23.98	H
2312.50	-16.92	-28.80	9.80	21.68	23.98	H

LTE Band 30_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2310.00	-17.23	-28.80	9.80	21.38	23.98	H

LTE Band 30_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2307.50	-17.46	-28.80	9.80	21.14	23.98	H
2310.00	-17.68	-28.80	9.80	20.92	23.98	H
2312.50	-17.76	-28.80	9.80	20.84	23.98	H

LTE Band 30_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2310.00	-17.77	-28.80	9.80	20.83	23.98	H

LTE Band 30_5MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2307.50	-18.57	-28.80	9.80	20.03	23.98	H
2310.00	-18.88	-28.80	9.80	19.72	23.98	H
2312.50	-18.93	-28.80	9.80	19.67	23.98	H

LTE Band 30_10MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2310.00	-18.99	-28.80	9.80	19.61	23.98	H

**LTE Band 38 - EIRP Part 27.50(h)(2)****Limits: $\leq 33\text{dBm}$ (2W)****LTE Band 38_5MHz_QPSK**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2572.50	-16.87	-28.60	10.70	22.43	33.00	H
2595.00	-17.12	-28.60	10.70	22.18	33.00	H
2617.50	-17.19	-28.60	10.70	22.11	33.00	H

LTE Band 38_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2575.00	-17.19	-28.60	10.70	22.11	33.00	H
2595.00	-17.40	-28.60	10.70	21.90	33.00	H
2615.00	-17.49	-28.60	10.70	21.81	33.00	H

LTE Band 38_15MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2577.50	-17.28	-28.60	10.70	22.02	33.00	H
2595.00	-17.57	-28.60	10.70	21.73	33.00	H
2612.50	-17.68	-28.60	10.70	21.62	33.00	H

LTE Band 38_20MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2580.00	-17.56	-28.60	10.70	21.74	33.00	H
2595.00	-17.78	-28.60	10.70	21.52	33.00	H
2610.00	-17.95	-28.60	10.70	21.35	33.00	H

**LTE Band 38_5MHz_16QAM**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2572.50	-17.94	-28.60	10.70	21.36	33.00	H
2595.00	-18.26	-28.60	10.70	21.04	33.00	H
2617.50	-18.10	-28.60	10.70	21.20	33.00	H

LTE Band 38_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2575.00	-18.36	-28.60	10.70	20.94	33.00	H
2595.00	-18.63	-28.60	10.70	20.67	33.00	H
2615.00	-18.77	-28.60	10.70	20.53	33.00	H

LTE Band 38_15MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2577.50	-18.02	-28.60	10.70	21.28	33.00	H
2595.00	-18.46	-28.60	10.70	20.84	33.00	H
2612.50	-18.66	-28.60	10.70	20.64	33.00	H

LTE Band 38_20MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2580.00	-18.53	-28.60	10.70	20.77	33.00	H
2595.00	-19.23	-28.60	10.70	20.07	33.00	H
2610.00	-18.82	-28.60	10.70	20.48	33.00	H

**LTE Band 38_5MHz_64QAM**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2572.50	-18.84	-28.60	10.70	20.46	33.00	H
2595.00	-19.17	-28.60	10.70	20.13	33.00	H
2617.50	-19.06	-28.60	10.70	20.24	33.00	H

LTE Band 38_10MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2575.00	-19.23	-28.60	10.70	20.07	33.00	H
2595.00	-19.54	-28.60	10.70	19.76	33.00	H
2615.00	-19.56	-28.60	10.70	19.74	33.00	H

LTE Band 38_15MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2577.50	-19.12	-28.60	10.70	20.18	33.00	H
2595.00	-19.63	-28.60	10.70	19.67	33.00	H
2612.50	-19.91	-28.60	10.70	19.39	33.00	H

LTE Band 38_20MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2580.00	-19.43	-28.60	10.70	19.88	33.00	H
2595.00	-20.13	-28.60	10.70	19.17	33.00	H
2610.00	-19.63	-28.60	10.70	19.67	33.00	H

**LTE Band 41- EIRP Part 27.50(d)(2)****Limits: $\leq 33\text{dBm}$ (2W)****LTE Band 41_5MHz_QPSK**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2498.50	-17.12	-28.70	10.70	22.27	33.00	H
2593.00	-17.19	-28.60	10.70	22.11	33.00	H
2687.50	-17.22	-28.50	10.70	21.98	33.00	H

LTE Band 41_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2501.00	-17.40	-28.70	10.70	22.00	33.00	H
2593.00	-17.40	-28.60	10.70	21.90	33.00	H
2685.00	-17.54	-28.50	10.70	21.66	33.00	H

LTE Band 41_15MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2503.50	-17.52	-28.70	10.70	21.88	33.00	H
2593.00	-17.70	-28.60	10.70	21.60	33.00	H
2682.50	-17.66	-28.50	10.70	21.54	33.00	H

LTE Band 41_20MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	-17.80	-28.70	10.70	21.60	33.00	H
2593.00	-17.95	-28.60	10.70	21.35	33.00	H
2680.00	-17.93	-28.50	10.70	21.27	33.00	H

**LTE Band 41_5MHz_16QAM**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2537.50	-18.30	-28.70	10.70	21.10	33.00	H
2595.00	-18.26	-28.60	10.70	21.04	33.00	H
2652.50	-18.29	-28.60	10.70	21.01	33.00	H

LTE Band 41_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2540.00	-18.69	-28.70	10.70	20.71	33.00	H
2595.00	-18.59	-28.60	10.70	20.71	33.00	H
2650.00	-18.85	-28.60	10.70	20.45	33.00	H

LTE Band 41_15MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2542.50	-18.50	-28.70	10.70	20.89	33.00	H
2595.00	-18.66	-28.60	10.70	20.64	33.00	H
2647.50	-18.69	-28.60	10.70	20.61	33.00	H

LTE Band 41_20MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2545.00	-18.91	-28.70	10.70	20.49	33.00	H
2595.00	-18.96	-28.60	10.70	20.34	33.00	H
2645.00	-19.22	-28.60	10.70	20.08	33.00	H

**LTE Band 41_5MHz_64QAM**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2498.50	-19.22	-28.70	10.70	20.18	33.00	H
2593.00	-19.26	-28.60	10.70	20.04	33.00	H
2687.50	-19.10	-28.50	10.70	20.10	33.00	H

LTE Band 41_10MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2501.00	-19.46	-28.70	10.70	19.94	33.00	H
2593.00	-19.56	-28.60	10.70	19.74	33.00	H
2685.00	-19.70	-28.50	10.70	19.50	33.00	H

LTE Band 41_15MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2503.50	-19.61	-28.70	10.70	19.79	33.00	H
2593.00	-19.87	-28.60	10.70	19.43	33.00	H
2682.50	-19.94	-28.50	10.70	19.26	33.00	H

LTE Band 41_20MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	-19.82	-28.70	10.70	19.58	33.00	H
2593.00	-19.95	-28.60	10.70	19.35	33.00	H
2680.00	-19.96	-28.50	10.70	19.24	33.00	H

**LTE Band 66- EIRP Part 27.50(d)(4)****Limits: $\leq 30\text{dBm}$ (1W)****LTE Band 66_1.4MHz_QPSK**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1710.70	-15.89	-29.60	8.10	21.81	30.00	H
1745.00	-15.55	-29.50	8.10	22.05	30.00	H
1779.30	-15.92	-29.50	8.10	21.68	30.00	H

LTE Band 66_3MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1711.50	-16.11	-29.60	8.10	21.59	30.00	H
1745.00	-15.73	-29.50	8.10	21.87	30.00	H
1778.50	-16.17	-29.50	8.10	21.43	30.00	H

LTE Band 66_5MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1712.50	-16.24	-29.60	8.10	21.46	30.00	H
1745.00	-15.85	-29.50	8.10	21.75	30.00	H
1777.50	-16.33	-29.50	8.10	21.27	30.00	H

LTE Band 66_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1715.00	-16.33	-29.60	8.10	21.37	30.00	H
1745.00	-16.01	-29.50	8.10	21.59	30.00	H
1775.00	-16.43	-29.50	8.10	21.17	30.00	H

LTE Band 66_15MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1717.50	-16.43	-29.60	8.10	21.27	30.00	H
1745.00	-16.16	-29.50	8.10	21.44	30.00	H
1772.53	-16.51	-29.50	8.10	21.09	30.00	H

LTE Band 66_20MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1720.00	-16.59	-29.60	8.10	21.11	30.00	H
1745.00	-16.26	-29.50	8.10	21.34	30.00	H
1770.00	-16.67	-29.50	8.10	20.93	30.00	H

**LTE Band 66_1.4MHz_16QAM**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1710.70	-16.91	-29.60	8.10	20.79	30.00	H
1745.00	-16.64	-29.50	8.10	20.96	30.00	H
1779.30	-16.97	-29.50	8.10	20.63	30.00	H

LTE Band 66_3MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1711.50	-16.99	-29.60	8.10	20.71	30.00	H
1745.00	-16.75	-29.50	8.10	20.85	30.00	H
1778.50	-17.25	-29.50	8.10	20.35	30.00	H

LTE Band 66_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1712.50	-17.29	-29.60	8.10	20.41	30.00	H
1745.00	-16.92	-29.50	8.10	20.68	30.00	H
1777.50	-17.42	-29.50	8.10	20.18	30.00	H

LTE Band 66_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1715.00	-17.36	-29.60	8.10	20.34	30.00	H
1745.00	-17.04	-29.50	8.10	20.56	30.00	H
1775.00	-17.47	-29.50	8.10	20.13	30.00	H

LTE Band 66_15MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1717.50	-17.44	-29.60	8.10	20.26	30.00	H
1745.00	-17.17	-29.50	8.10	20.43	30.00	H
1772.53	-17.52	-29.50	8.10	20.08	30.00	H

LTE Band 66_20MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1720.00	-17.68	-29.60	8.10	20.02	30.00	H
1745.00	-17.31	-29.50	8.10	20.29	30.00	H
1770.00	-17.77	-29.50	8.10	19.83	30.00	H

**LTE Band 66_1.4MHz_64QAM**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1710.70	-17.73	-29.60	8.10	19.97	30.00	H
1745.00	-17.54	-29.50	8.10	20.06	30.00	H
1779.30	-17.80	-29.50	8.10	19.80	30.00	H

LTE Band 66_3MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1711.50	-17.87	-29.60	8.10	19.83	30.00	H
1745.00	-17.63	-29.50	8.10	19.97	30.00	H
1778.50	-18.12	-29.50	8.10	19.48	30.00	H

LTE Band 66_5MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1712.50	-18.02	-29.60	8.10	19.68	30.00	H
1745.00	-17.65	-29.50	8.10	19.95	30.00	H
1777.50	-18.15	-29.50	8.10	19.45	30.00	H

LTE Band 66_10MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1715.00	-18.24	-29.60	8.10	19.46	30.00	H
1745.00	-17.92	-29.50	8.10	19.68	30.00	H
1775.00	-18.36	-29.50	8.10	19.24	30.00	H

LTE Band 66_15MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1717.50	-18.25	-29.60	8.10	19.45	30.00	H
1745.00	-17.98	-29.50	8.10	19.62	30.00	H
1772.53	-18.32	-29.50	8.10	19.28	30.00	H

LTE Band 66_20MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1720.00	-18.43	-29.60	8.10	19.27	30.00	H
1745.00	-18.16	-29.50	8.10	19.44	30.00	H
1770.00	-18.51	-29.50	8.10	19.09	30.00	H

**LTE Band 71- ERP 27.50(c)(10)****Limits: ≤34.77 dBm (3W)****LTE Band 71_5MHz_QPSK**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
665.50	-12.51	-36.70	-1.11	2.15	20.93	34.77	V
680.50	-13.38	-36.80	-0.82	2.15	20.45	34.77	V
695.50	-11.52	-34.80	-0.93	2.15	20.20	34.77	V

LTE Band 71_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
668.00	-12.68	-36.70	-1.11	2.15	20.76	34.77	V
680.50	-13.56	-36.80	-0.82	2.15	20.27	34.77	V
693.00	-11.73	-34.80	-0.93	2.15	19.99	34.77	V

LTE Band 71_15MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
670.50	-12.76	-36.70	-1.11	2.15	20.68	34.77	V
680.50	-13.67	-36.80	-0.82	2.15	20.16	34.77	V
690.50	-11.83	-34.80	-0.93	2.15	19.89	34.77	V

LTE Band 71_20MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
673.00	-12.84	-36.70	-1.11	2.15	20.60	34.77	V
683.00	-13.74	-36.80	-0.82	2.15	20.09	34.77	V
688.00	-11.93	-34.80	-0.93	2.15	19.79	34.77	V

**LTE Band 71_5MHz_16QAM**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
665.50	-13.53	-36.70	-1.11	2.15	19.91	34.77	V
680.50	-14.39	-36.80	-0.82	2.15	19.44	34.77	V
695.50	-12.67	-34.80	-0.93	2.15	19.05	34.77	V

LTE Band 71_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
668.00	-13.67	-36.70	-1.11	2.15	19.77	34.77	V
680.50	-14.58	-36.80	-0.82	2.15	19.25	34.77	V
693.00	-12.81	-34.80	-0.93	2.15	18.91	34.77	V

LTE Band 71_15MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
670.50	-13.80	-36.70	-1.11	2.15	19.63	34.77	V
680.50	-14.74	-36.80	-0.82	2.15	19.09	34.77	V
690.50	-12.84	-34.80	-0.93	2.15	18.88	34.77	V

LTE Band 71_20MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
673.00	-13.87	-36.70	-1.11	2.15	19.56	34.77	V
683.00	-14.77	-36.80	-0.82	2.15	19.06	34.77	V
688.00	-12.97	-34.80	-0.93	2.15	18.75	34.77	V

**LTE Band 71_5MHz_64QAM**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
665.50	-14.54	-36.70	-1.11	2.15	18.89	34.77	V
680.50	-15.49	-36.80	-0.82	2.15	18.34	34.77	V
695.50	-13.69	-34.80	-0.93	2.15	18.02	34.77	V

LTE Band 71_10MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
668.00	-14.65	-36.70	-1.11	2.15	18.79	34.77	V
680.50	-15.59	-36.80	-0.82	2.15	18.24	34.77	V
693.00	-13.68	-34.80	-0.93	2.15	18.04	34.77	V

LTE Band 71_15MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
670.50	-14.83	-36.70	-1.11	2.15	18.61	34.77	V
680.50	-15.77	-36.80	-0.82	2.15	18.06	34.77	V
690.50	-13.76	-34.80	-0.93	2.15	17.95	34.77	V

LTE Band 71_20MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
673.00	-14.95	-36.70	-1.11	2.15	18.48	34.77	V
683.00	-15.85	-36.80	-0.82	2.15	17.98	34.77	V
688.00	-14.04	-34.80	-0.93	2.15	17.68	34.77	V

ANALYZER SETTINGS:

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

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

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

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

A.2 FIELD STRENGTH OF SPURIOUS RADIATION

Reference

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

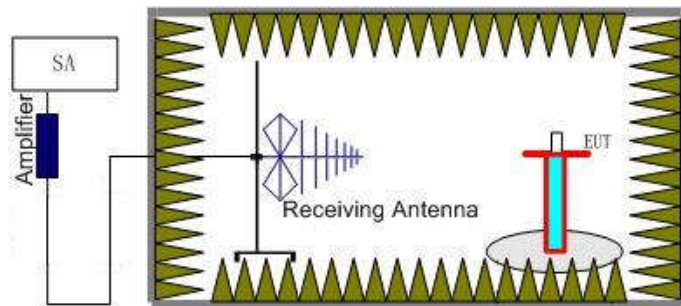
A.2.1 Measurement Method

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

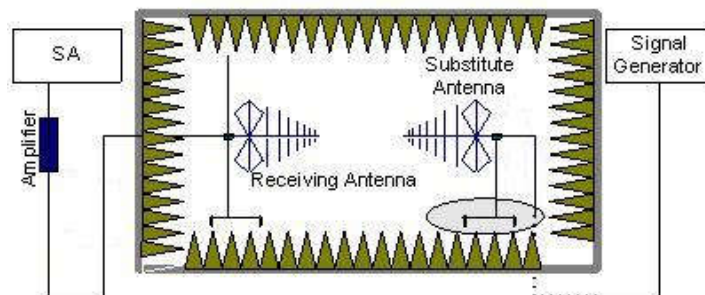
The spectrum was scanned from 30 MHz to the 10th harmonic of the highest frequency generated within the equipment, which is the transmitted carrier. The resolution bandwidth is set 1MHz as outlined in Part 22.917, 24.238, 27.53(h) and 90.691. The spectrum was scanned with the mobile station transmitting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



- In the chamber, an substitution antenna for the frequency band of interest is placed at the reference point of the chamber. An RF Signal source for the frequency band of interest is connected to the substitution antenna with a cable that has been constructed to not interfere with the radiation pattern of the antenna. A power (P_{Mea}) is applied to the input of the substitution antenna and adjusts the level of the signal generator output until the value of the receiver reaches the previously recorded (P_r). The power of signal source (P_{Mea}) is recorded. The test should be performed by rotating the test item and adjusting the receiving antenna polarization.
4. The Path loss (P_{pl}) between the Signal Source with the Substitution Antenna and the Substitution Antenna Gain(dBi) (G_a) should be recorded after test.
An amplifier should be connected in for the test.
The Path loss (P_{pl}) is the summation of the cable loss and the gain of the amplifier.
The measurement results are obtained as described below:
Power (EIRP)= $P_{Mea} - P_{pl} + G_a$
5. This value is EIRP since the measurement is calibrated using an antenna of known gain (unit: dBi) and known input power.
6. ERP can be calculated from EIRP by subtracting the gain of the dipole, $ERP = EIRP - 2.15dB$.

A.2.2 Measurement Results

Radiated emissions measurements were made only at the upper, middle, and lower carrier frequencies of the 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.

**LTE Band 2, 1.4MHz, QPSK, Channel 18607**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16494.50	-46.38	2.70	17.40	-31.68	-13.00	H
17001.00	-42.83	2.90	14.50	-31.23	-13.00	H
17199.50	-42.71	2.90	14.50	-31.11	-13.00	H
17509.00	-39.44	2.90	12.80	-29.54	-13.00	H
17618.50	-39.32	3.30	12.80	-29.82	-13.00	H
17822.00	-39.60	3.60	12.80	-30.40	-13.00	H

LTE Band 2, 1.4MHz, QPSK, Channel 18900

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16951.50	-44.38	2.90	16.50	-30.78	-13.00	H
17184.50	-43.40	2.90	14.50	-31.80	-13.00	H
17368.50	-42.15	3.20	14.50	-30.85	-13.00	H
17521.50	-39.36	2.90	12.80	-29.46	-13.00	H
17535.50	-39.60	2.90	12.80	-29.70	-13.00	H
17820.50	-39.14	3.60	12.80	-29.94	-13.00	H

LTE Band 2, 1.4MHz, QPSK, Channel 19193

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16931.50	-44.84	2.90	16.50	-31.24	-13.00	H
17196.00	-42.46	2.90	14.50	-30.86	-13.00	H
17245.00	-42.08	3.20	14.50	-30.78	-13.00	H
17519.00	-39.75	2.90	12.80	-29.85	-13.00	H
17599.00	-38.50	3.30	12.80	-29.00	-13.00	H
17837.50	-39.22	3.60	12.80	-30.02	-13.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
17003.50	-42.04	2.90	14.50	-30.44	-13.00	H
17213.00	-43.22	2.90	14.50	-31.62	-13.00	H
17351.00	-42.52	3.20	14.50	-31.22	-13.00	H
17465.00	-40.89	2.90	14.50	-29.29	-13.00	H
17632.00	-37.78	3.30	12.80	-28.28	-13.00	H
17822.50	-39.69	3.60	12.80	-30.49	-13.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16946.00	-44.65	2.90	16.50	-31.05	-13.00	H
17162.50	-41.97	2.90	14.50	-30.37	-13.00	H
17329.00	-41.85	3.20	14.50	-30.55	-13.00	H
17437.50	-40.25	2.90	14.50	-28.65	-13.00	H
17589.00	-39.21	3.30	12.80	-29.71	-13.00	H
17823.50	-39.52	3.60	12.80	-30.32	-13.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16935.00	-44.36	2.90	16.50	-30.76	-13.00	H
17194.50	-43.49	2.90	14.50	-31.89	-13.00	H
17230.50	-42.30	3.20	14.50	-31.00	-13.00	H
17394.50	-40.14	2.90	14.50	-28.54	-13.00	H
17627.50	-38.72	3.30	12.80	-29.22	-13.00	H
17773.50	-39.73	3.60	12.80	-30.53	-13.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16951.00	-44.47	2.90	16.50	-30.87	-13.00	H
17164.00	-43.41	2.90	14.50	-31.81	-13.00	H
17359.50	-42.92	3.20	14.50	-31.62	-13.00	H
17458.50	-41.48	2.90	14.50	-29.88	-13.00	H
17611.50	-39.16	3.30	12.80	-29.66	-13.00	H
17782.00	-39.48	3.60	12.80	-30.28	-13.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16977.50	-44.29	2.90	16.50	-30.69	-13.00	H
17184.00	-43.56	2.90	14.50	-31.96	-13.00	H
17310.50	-42.63	3.20	14.50	-31.33	-13.00	H
17425.00	-41.68	2.90	14.50	-30.08	-13.00	H
17630.50	-39.27	3.30	12.80	-29.77	-13.00	H
17830.50	-39.79	3.60	12.80	-30.59	-13.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16941.00	-44.49	2.90	16.50	-30.89	-13.00	H
17094.00	-43.41	2.90	14.50	-31.81	-13.00	H
17256.50	-42.18	3.20	14.50	-30.88	-13.00	H
17459.50	-40.92	2.90	14.50	-29.32	-13.00	H
17609.00	-39.28	3.30	12.80	-29.78	-13.00	H
17836.50	-39.41	3.60	12.80	-30.21	-13.00	H

**LTE Band 4, 1.4MHz, QPSK, Channel 19957**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16945.50	-44.67	2.90	16.50	-31.07	-13.00	H
17178.50	-42.29	2.90	14.50	-30.69	-13.00	H
17358.00	-41.70	3.20	14.50	-30.40	-13.00	H
17507.00	-38.72	2.90	12.80	-28.82	-13.00	H
17590.00	-39.07	3.30	12.80	-29.57	-13.00	H
17778.50	-39.68	3.60	12.80	-30.48	-13.00	H

LTE Band 4, 1.4MHz, QPSK, Channel 20175

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16928.00	-44.28	2.90	16.50	-30.68	-13.00	H
17145.50	-43.60	2.90	14.50	-32.00	-13.00	H
17367.50	-42.52	3.20	14.50	-31.22	-13.00	H
17522.50	-39.49	2.90	12.80	-29.59	-13.00	H
17596.50	-38.34	3.30	12.80	-28.84	-13.00	H
17823.00	-39.46	3.60	12.80	-30.26	-13.00	H

LTE Band 4, 1.4MHz, QPSK, Channel 20393

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16970.00	-43.98	2.90	16.50	-30.38	-13.00	H
17144.00	-42.98	2.90	14.50	-31.38	-13.00	H
17357.00	-41.77	3.20	14.50	-30.47	-13.00	H
17405.50	-41.15	2.90	14.50	-29.55	-13.00	H
17577.50	-39.34	3.30	12.80	-29.84	-13.00	H
17835.00	-39.59	3.60	12.80	-30.39	-13.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16989.00	-44.49	2.90	16.50	-30.89	-13.00	H
17134.00	-42.68	2.90	14.50	-31.08	-13.00	H
17362.00	-42.78	3.20	14.50	-31.48	-13.00	H
17499.50	-41.33	2.90	14.50	-29.73	-13.00	H
17617.50	-38.98	3.30	12.80	-29.48	-13.00	H
17808.00	-39.35	3.60	12.80	-30.15	-13.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16978.00	-44.53	2.90	16.50	-30.93	-13.00	H
17099.50	-43.76	2.90	14.50	-32.16	-13.00	H
17296.00	-42.11	3.20	14.50	-30.81	-13.00	H
17493.50	-40.99	2.90	14.50	-29.39	-13.00	H
17526.50	-38.97	2.90	12.80	-29.07	-13.00	H
17796.00	-39.72	3.60	12.80	-30.52	-13.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16961.00	-44.70	2.90	16.50	-31.10	-13.00	H
17215.00	-43.28	2.90	14.50	-31.68	-13.00	H
17352.00	-42.84	3.20	14.50	-31.54	-13.00	H
17520.50	-39.46	2.90	12.80	-29.56	-13.00	H
17628.00	-39.20	3.30	12.80	-29.70	-13.00	H
17806.00	-39.19	3.60	12.80	-29.99	-13.00	H

**LTE Band 4, 1.4MHz, 64QAM, Channel 19957**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16988.50	-44.53	2.90	16.50	-30.93	-13.00	H
17123.00	-43.24	2.90	14.50	-31.64	-13.00	H
17367.00	-42.42	3.20	14.50	-31.12	-13.00	H
17434.50	-41.74	2.90	14.50	-30.14	-13.00	H
17534.50	-39.86	2.90	12.80	-29.96	-13.00	H
17836.00	-39.02	3.60	12.80	-29.82	-13.00	H

LTE Band 4, 1.4MHz, 64QAM, Channel 20175

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16964.00	-44.79	2.90	16.50	-31.19	-13.00	H
17122.50	-43.56	2.90	14.50	-31.96	-13.00	H
17299.50	-42.34	3.20	14.50	-31.04	-13.00	H
17500.00	-38.95	2.90	12.80	-29.05	-13.00	H
17585.50	-39.43	3.30	12.80	-29.93	-13.00	H
17839.00	-39.41	3.60	12.80	-30.21	-13.00	H

LTE Band 4, 1.4MHz, 64QAM, Channel 20393

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16977.50	-44.16	2.90	16.50	-30.56	-13.00	H
17185.00	-43.11	2.90	14.50	-31.51	-13.00	H
17232.00	-42.43	3.20	14.50	-31.13	-13.00	H
17465.00	-41.37	2.90	14.50	-29.77	-13.00	H
17589.50	-39.28	3.30	12.80	-29.78	-13.00	H
17794.50	-39.24	3.60	12.80	-30.04	-13.00	H

**LTE Band 5, 1.4MHz, QPSK, Channel 20407**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2472.92	-45.09	0.90	9.80	-38.34	-13.00	H
8425.25	-51.56	1.80	11.30	-44.21	-13.00	H
9224.50	-50.89	2.10	11.60	-43.54	-13.00	H
9302.00	-50.69	2.00	11.60	-43.24	-13.00	H
9426.50	-51.26	2.10	11.60	-43.91	-13.00	H
9472.00	-50.85	2.10	11.60	-43.50	-13.00	V

LTE Band 5, 1.4MHz, QPSK, Channel 20525

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2507.92	-45.20	0.90	10.70	-37.55	-13.00	H
9150.75	-51.34	2.10	11.60	-43.99	-13.00	H
9221.75	-51.21	2.10	11.60	-43.86	-13.00	H
9302.25	-50.22	2.00	11.60	-42.77	-13.00	H
9431.50	-51.15	2.10	11.60	-43.80	-13.00	H
9467.75	-51.49	2.10	11.60	-44.14	-13.00	V

LTE Band 5, 1.4MHz, QPSK, Channel 20643

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2543.75	-48.64	0.90	10.70	-40.99	-13.00	H
9221.25	-51.22	2.10	11.60	-43.87	-13.00	H
9300.50	-50.54	2.00	11.60	-43.09	-13.00	H
9420.00	-51.46	2.10	11.60	-44.11	-13.00	H
9472.25	-51.27	2.10	11.60	-43.92	-13.00	V
9714.50	-51.42	2.20	11.20	-44.57	-13.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2472.92	-44.25	0.90	9.80	-37.50	-13.00	H
9101.50	-51.84	2.20	11.60	-44.59	-13.00	H
9227.25	-51.16	2.10	11.60	-43.81	-13.00	H
9300.50	-50.85	2.00	11.60	-43.40	-13.00	H
9420.75	-51.98	2.10	11.60	-44.63	-13.00	H
9472.00	-51.48	2.10	11.60	-44.13	-13.00	V

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2508.33	-45.00	0.90	10.70	-37.35	-13.00	H
8361.25	-51.69	1.80	11.30	-44.34	-13.00	H
9096.50	-50.07	2.20	11.60	-42.82	-13.00	H
9224.75	-51.13	2.10	11.60	-43.78	-13.00	H
9303.75	-50.15	2.00	11.60	-42.70	-13.00	H
9473.50	-51.43	2.10	11.60	-44.08	-13.00	V

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2543.75	-48.21	0.90	10.70	-40.56	-13.00	H
8474.75	-51.88	1.80	11.30	-44.53	-13.00	H
9225.25	-51.22	2.10	11.60	-43.87	-13.00	H
9302.00	-51.30	2.00	11.60	-43.85	-13.00	H
9474.25	-50.50	2.10	11.60	-43.15	-13.00	V
9744.25	-50.51	2.20	11.20	-43.66	-13.00	H

**LTE Band 5, 1.4MHz, 64QAM, Channel 20407**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2472.50	-44.42	0.90	9.80	-37.67	-13.00	H
2473.75	-50.17	0.90	9.80	-43.42	-13.00	H
9101.25	-51.22	2.20	11.60	-43.97	-13.00	H
9226.00	-51.55	2.10	11.60	-44.20	-13.00	H
9298.50	-51.14	2.00	11.60	-43.69	-13.00	H
9475.50	-51.32	2.10	11.60	-43.97	-13.00	V

LTE Band 5, 1.4MHz, 64QAM, Channel 20525

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2508.75	-46.00	0.90	10.70	-38.35	-13.00	H
9095.75	-51.96	2.20	11.60	-44.71	-13.00	H
9218.25	-51.23	2.10	11.60	-43.88	-13.00	H
9298.50	-51.11	2.00	11.60	-43.66	-13.00	H
9418.25	-50.42	2.10	11.60	-43.07	-13.00	H
9475.25	-51.08	2.10	11.60	-43.73	-13.00	V

LTE Band 5, 1.4MHz, 64QAM, Channel 20643

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2543.75	-48.27	0.90	10.70	-40.62	-13.00	H
9104.25	-51.69	2.20	11.60	-44.44	-13.00	H
9219.25	-51.55	2.10	11.60	-44.20	-13.00	H
9305.00	-51.08	2.00	11.60	-43.63	-13.00	H
9427.25	-51.61	2.10	11.60	-44.26	-13.00	H
9474.00	-51.61	2.10	11.60	-44.26	-13.00	V

**LTE Band 7, 5MHz, QPSK, Channel 20775**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
17003.00	-52.79	2.90	14.50	-41.19	-25.00	H
17195.00	-53.44	2.90	14.50	-41.84	-25.00	H
17275.50	-52.98	3.20	14.50	-41.68	-25.00	H
17450.00	-51.29	2.90	14.50	-39.69	-25.00	H
17573.00	-49.22	3.30	12.80	-39.72	-25.00	H
17830.50	-49.47	3.60	12.80	-40.27	-25.00	H

LTE Band 7, 5MHz, QPSK, Channel 21100

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16952.00	-54.98	2.90	16.50	-41.38	-25.00	H
17188.00	-53.48	2.90	14.50	-41.88	-25.00	H
17299.50	-52.89	3.20	14.50	-41.59	-25.00	H
17521.00	-49.60	2.90	12.80	-39.70	-25.00	H
17580.00	-49.10	3.30	12.80	-39.60	-25.00	H
17839.00	-49.63	3.60	12.80	-40.43	-25.00	H

LTE Band 7, 5MHz, QPSK, Channel 21425

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16944.50	-55.28	2.90	16.50	-41.68	-25.00	H
17208.00	-53.23	2.90	14.50	-41.63	-25.00	H
17266.50	-52.97	3.20	14.50	-41.67	-25.00	H
17457.50	-52.03	2.90	14.50	-40.43	-25.00	H
17571.50	-49.29	3.30	12.80	-39.79	-25.00	H
17840.00	-49.48	3.60	12.80	-40.28	-25.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16958.00	-54.59	2.90	16.50	-40.99	-25.00	H
17211.50	-53.49	2.90	14.50	-41.89	-25.00	H
17297.00	-52.85	3.20	14.50	-41.55	-25.00	H
17508.00	-49.87	2.90	12.80	-39.97	-25.00	H
17573.00	-49.24	3.30	12.80	-39.74	-25.00	H
17839.50	-49.51	3.60	12.80	-40.31	-25.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16940.00	-54.99	2.90	16.50	-41.39	-25.00	H
17207.50	-53.39	2.90	14.50	-41.79	-25.00	H
17297.00	-52.88	3.20	14.50	-41.58	-25.00	H
17513.50	-49.87	2.90	12.80	-39.97	-25.00	H
17619.50	-49.31	3.30	12.80	-39.81	-25.00	H
17838.50	-49.65	3.60	12.80	-40.45	-25.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16954.50	-55.09	2.90	16.50	-41.49	-25.00	H
17129.00	-53.54	2.90	14.50	-41.94	-25.00	H
17279.00	-53.34	3.20	14.50	-42.04	-25.00	H
17502.00	-49.95	2.90	12.80	-40.05	-25.00	H
17605.00	-49.36	3.30	12.80	-39.86	-25.00	H
17839.50	-49.97	3.60	12.80	-40.77	-25.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16986.50	-54.93	2.90	16.50	-41.33	-25.00	H
17190.50	-53.82	2.90	14.50	-42.22	-25.00	H
17299.00	-53.10	3.20	14.50	-41.80	-25.00	H
17446.00	-51.61	2.90	14.50	-40.01	-25.00	H
17585.00	-49.20	3.30	12.80	-39.70	-25.00	H
17839.50	-49.53	3.60	12.80	-40.33	-25.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16991.50	-54.87	2.90	16.50	-41.27	-25.00	H
17180.50	-53.28	2.90	14.50	-41.68	-25.00	H
17366.50	-53.00	3.20	14.50	-41.70	-25.00	H
17523.00	-49.84	2.90	12.80	-39.94	-25.00	H
17569.00	-49.10	3.30	12.80	-39.60	-25.00	H
17840.00	-49.43	3.60	12.80	-40.23	-25.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16986.00	-55.04	2.90	16.50	-41.44	-25.00	H
17193.00	-53.78	2.90	14.50	-42.18	-25.00	H
17227.50	-52.88	3.20	14.50	-41.58	-25.00	H
17505.00	-49.65	2.90	12.80	-39.75	-25.00	H
17529.50	-50.03	2.90	12.80	-40.13	-25.00	H
17799.00	-49.71	3.60	12.80	-40.51	-25.00	H

**LTE Band 12, 1.4MHz, QPSK, Channel 23017**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2097.92	-39.95	0.90	9.80	-33.20	-13.00	H
9100.50	-51.10	2.20	11.60	-43.85	-13.00	H
9216.50	-50.97	2.10	11.60	-43.62	-13.00	H
9300.50	-50.79	2.00	11.60	-43.34	-13.00	H
9408.75	-50.68	2.10	11.60	-43.33	-13.00	H
9473.00	-51.13	2.10	11.60	-43.78	-13.00	V

LTE Band 12, 1.4MHz, QPSK, Channel 23095

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2120.42	-38.29	0.90	9.80	-31.54	-13.00	H
9101.50	-50.23	2.20	11.60	-42.98	-13.00	H
9224.00	-51.24	2.10	11.60	-43.89	-13.00	H
9298.50	-50.74	2.00	11.60	-43.29	-13.00	H
9474.50	-50.89	2.10	11.60	-43.54	-13.00	V
9744.00	-50.68	2.20	11.20	-43.83	-13.00	H

LTE Band 12, 1.4MHz, QPSK, Channel 23173

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2144.58	-40.21	0.90	9.80	-33.46	-13.00	H
9100.75	-51.90	2.20	11.60	-44.65	-13.00	H
9225.75	-50.22	2.10	11.60	-42.87	-13.00	H
9297.25	-51.12	2.00	11.60	-43.67	-13.00	H
9378.50	-51.67	2.00	11.60	-44.22	-13.00	V
9471.25	-51.49	2.10	11.60	-44.14	-13.00	V

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2097.92	-43.67	0.90	9.80	-36.92	-13.00	V
8798.00	-52.29	1.90	12.00	-44.34	-13.00	V
9223.00	-50.24	2.10	11.60	-42.89	-13.00	H
9288.00	-50.72	2.10	11.60	-43.37	-13.00	H
9373.50	-51.69	2.00	11.60	-44.24	-13.00	H
9474.25	-51.57	2.10	11.60	-44.22	-13.00	V

LTE Band 12, 1.4MHz, 16QAM, Channel 23095

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2120.00	-40.09	0.90	9.80	-33.34	-13.00	H
9223.25	-50.96	2.10	11.60	-43.61	-13.00	H
9292.75	-50.61	2.00	11.60	-43.16	-13.00	H
9425.50	-51.66	2.10	11.60	-44.31	-13.00	H
9473.75	-51.62	2.10	11.60	-44.27	-13.00	V
9729.75	-51.19	2.20	11.20	-44.34	-13.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2144.58	-41.45	0.90	9.80	-34.70	-13.00	V
8315.75	-52.05	1.90	11.30	-44.80	-13.00	H
9228.25	-51.52	2.10	11.60	-44.17	-13.00	H
9300.00	-51.40	2.00	11.60	-43.95	-13.00	H
9417.50	-51.64	2.10	11.60	-44.29	-13.00	H
9475.75	-51.08	2.10	11.60	-43.73	-13.00	V

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2097.92	-41.71	0.90	9.80	-34.96	-13.00	H
8419.50	-51.88	1.80	11.30	-44.53	-13.00	H
9224.75	-50.74	2.10	11.60	-43.39	-13.00	H
9292.50	-50.71	2.00	11.60	-43.26	-13.00	H
9429.25	-51.87	2.10	11.60	-44.52	-13.00	H
9472.75	-51.03	2.10	11.60	-43.68	-13.00	V

LTE Band 12, 1.4MHz, 64QAM, Channel 23095

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2120.42	-39.35	0.90	9.80	-32.60	-13.00	H
9107.25	-51.94	2.10	11.60	-44.59	-13.00	H
9216.25	-51.19	2.10	11.60	-43.84	-13.00	H
9300.50	-50.37	2.00	11.60	-42.92	-13.00	H
9471.75	-51.04	2.10	11.60	-43.69	-13.00	V
9731.00	-50.81	2.20	11.20	-43.96	-13.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2144.17	-39.77	0.90	9.80	-33.02	-13.00	H
9221.00	-51.31	2.10	11.60	-43.96	-13.00	H
9299.75	-50.44	2.00	11.60	-42.99	-13.00	H
9364.50	-52.17	2.00	11.60	-44.72	-13.00	V
9473.50	-51.51	2.10	11.60	-44.16	-13.00	V
9725.75	-50.21	2.20	11.20	-43.36	-13.00	H

**LTE Band 13, 5MHz, QPSK, Channel 23205**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
1564.00	-59.31	0.70	8.10	-54.06	-40.00	V
2332.00	-42.80	0.90	9.80	-36.05	-13.00	V
9103.00	-50.99	2.20	11.60	-43.74	-13.00	H
9297.12	-50.95	2.00	11.60	-43.50	-13.00	H
9474.12	-50.69	2.10	11.60	-43.34	-13.00	V
9809.75	-50.94	2.30	11.20	-44.19	-13.00	H

LTE Band 13, 5MHz, QPSK, Channel 23230

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
1559.50	-55.40	0.70	8.10	-50.15	-40.00	V
2339.50	-44.96	0.90	9.80	-38.21	-13.00	V
9095.75	-51.46	2.20	11.60	-44.21	-13.00	H
9301.00	-50.24	2.00	11.60	-42.79	-13.00	H
9478.75	-51.40	2.10	11.60	-44.05	-13.00	V
9790.00	-50.80	2.30	11.20	-44.05	-13.00	H

LTE Band 13, 5MHz, QPSK, Channel 23255

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
1565.00	-54.81	0.70	8.10	-49.56	-40.00	V
2347.00	-44.77	0.90	9.80	-38.02	-13.00	V
9100.12	-51.05	2.20	11.60	-43.80	-13.00	H
9298.00	-50.47	2.00	11.60	-43.02	-13.00	H
9366.75	-51.42	2.00	11.60	-43.97	-13.00	V
9740.50	-50.93	2.20	11.20	-44.08	-13.00	H

**LTE Band 13, 5MHz, 16QAM, Channel 23205**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
1571.00	-59.36	0.70	8.10	-54.11	-40.00	V
2332.00	-42.97	0.90	9.80	-36.22	-13.00	V
9101.50	-51.77	2.20	11.60	-44.52	-13.00	H
9311.38	-51.11	2.00	11.60	-43.66	-13.00	H
9473.88	-51.35	2.10	11.60	-44.00	-13.00	V
9725.75	-50.69	2.20	11.20	-43.84	-13.00	H

LTE Band 13, 5MHz, 16QAM, Channel 23230

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
1559.50	-56.02	0.70	8.10	-50.77	-40.00	V
2339.50	-44.17	0.90	9.80	-37.42	-13.00	V
9224.25	-50.56	2.10	11.60	-43.21	-13.00	H
9473.50	-50.61	2.10	11.60	-43.26	-13.00	V
9748.12	-50.10	2.20	11.20	-43.25	-13.00	H
9790.38	-50.63	2.30	11.20	-43.88	-13.00	H

LTE Band 13, 5MHz, 16QAM, Channel 23255

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
1564.50	-53.96	0.70	8.10	-48.71	-40.00	V
2347.00	-44.58	0.90	9.80	-37.83	-13.00	V
9106.38	-51.86	2.10	11.60	-44.51	-13.00	H
9302.25	-50.81	2.00	11.60	-43.36	-13.00	H
9476.38	-51.36	2.10	11.60	-44.01	-13.00	V
9763.12	-51.04	2.20	11.20	-44.19	-13.00	H

**LTE Band 13, 5MHz, 64QAM, Channel 23205**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
1571.50	-59.68	0.70	8.10	-54.43	-40.00	V
2332.00	-43.13	0.90	9.80	-36.38	-13.00	V
9299.50	-50.78	2.00	11.60	-43.33	-13.00	H
9474.62	-50.71	2.10	11.60	-43.36	-13.00	V
9755.00	-50.89	2.20	11.20	-44.04	-13.00	H
9785.75	-50.72	2.30	11.20	-43.97	-13.00	H

LTE Band 13, 5MHz, 64QAM, Channel 23230

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
1588.50	-60.11	0.70	8.10	-54.86	-40.00	H
2339.50	-44.00	0.90	9.80	-37.25	-13.00	V
9102.25	-50.95	2.20	11.60	-43.70	-13.00	H
9301.50	-50.62	2.00	11.60	-43.17	-13.00	H
9728.75	-50.87	2.20	11.20	-44.02	-13.00	H
9788.62	-50.58	2.30	11.20	-43.83	-13.00	H

LTE Band 13, 5MHz, 64QAM, Channel 23255

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
1564.50	-54.49	0.70	8.10	-49.24	-40.00	V
2347.00	-43.40	0.90	9.80	-36.65	-13.00	V
9108.00	-50.84	2.10	11.60	-43.49	-13.00	H
9220.12	-49.96	2.10	11.60	-42.61	-13.00	H
9364.50	-51.10	2.00	11.60	-43.65	-13.00	V
9736.12	-51.01	2.20	11.20	-44.16	-13.00	H

**LTE Band 14, 5MHz, QPSK, Channel 23305**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2365.00	-37.44	0.90	9.80	-30.69	-13.00	H
8717.25	-52.44	2.00	12.00	-44.59	-13.00	V
9219.50	-50.60	2.10	11.60	-43.25	-13.00	H
9303.75	-50.56	2.00	11.60	-43.11	-13.00	H
9423.50	-51.72	2.10	11.60	-44.37	-13.00	H
9478.00	-49.89	2.10	11.60	-42.54	-13.00	V

LTE Band 14, 5MHz, QPSK, Channel 23330

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2372.50	-41.47	0.90	9.80	-34.72	-13.00	H
9094.00	-50.89	2.20	11.60	-43.64	-13.00	H
9155.50	-51.23	2.10	11.60	-43.88	-13.00	H
9225.50	-51.32	2.10	11.60	-43.97	-13.00	H
9302.50	-50.56	2.00	11.60	-43.11	-13.00	H
9474.25	-51.65	2.10	11.60	-44.30	-13.00	V

LTE Band 14, 5MHz, QPSK, Channel 23355

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2380.00	-44.66	0.90	9.80	-37.91	-13.00	H
8522.92	-49.98	2.10	12.00	-42.23	-13.00	V
8613.75	-49.10	2.00	12.00	-41.25	-13.00	H
9223.00	-51.37	2.10	11.60	-44.02	-13.00	H
9300.25	-51.10	2.00	11.60	-43.65	-13.00	H
9474.50	-50.78	2.10	11.60	-43.43	-13.00	V

**LTE Band 14, 5MHz, 16QAM, Channel 23330**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2372.50	-41.97	0.90	9.80	-35.22	-13.00	H
9150.25	-51.45	2.10	11.60	-44.10	-13.00	H
9219.25	-51.20	2.10	11.60	-43.85	-13.00	H
9300.75	-50.55	2.00	11.60	-43.10	-13.00	H
9430.00	-51.82	2.10	11.60	-44.47	-13.00	H
9478.50	-51.27	2.10	11.60	-43.92	-13.00	V

LTE Band 14, 5MHz, 16QAM, Channel 23355

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2380.00	-42.89	0.90	9.80	-36.14	-13.00	H
9220.75	-50.44	2.10	11.60	-43.09	-13.00	H
9297.50	-50.79	2.00	11.60	-43.34	-13.00	H
9472.75	-50.75	2.10	11.60	-43.40	-13.00	V
9683.00	-51.41	2.20	11.20	-44.56	-13.00	H
9721.25	-51.43	2.20	11.20	-44.58	-13.00	H

**LTE Band 14, 5MHz, 64QAM, Channel 23305**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2365.00	-39.09	0.90	9.80	-32.34	-13.00	H
9098.50	-50.88	2.20	11.60	-43.63	-13.00	H
9102.00	-51.71	2.20	11.60	-44.46	-13.00	H
9223.50	-51.43	2.10	11.60	-44.08	-13.00	H
9302.50	-50.68	2.00	11.60	-43.23	-13.00	H
9423.50	-51.22	2.10	11.60	-43.87	-13.00	H

LTE Band 14, 5MHz, 64QAM, Channel 23330

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2372.50	-40.48	0.90	9.80	-33.73	-13.00	H
9102.75	-50.78	2.20	11.60	-43.53	-13.00	H
9223.75	-50.77	2.10	11.60	-43.42	-13.00	H
9299.25	-50.88	2.00	11.60	-43.43	-13.00	H
9372.75	-51.51	2.00	11.60	-44.06	-13.00	V
9475.25	-51.14	2.10	11.60	-43.79	-13.00	V

LTE Band 14, 5MHz, 64QAM, Channel 23355

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2380.42	-38.38	0.90	9.80	-31.63	-13.00	H
9225.25	-50.90	2.10	11.60	-43.55	-13.00	H
9300.25	-51.12	2.00	11.60	-43.67	-13.00	H
9427.25	-51.57	2.10	11.60	-44.22	-13.00	H
9473.50	-51.10	2.10	11.60	-43.75	-13.00	V
9740.50	-50.58	2.20	11.20	-43.73	-13.00	H

**LTE Band 17, 1.4MHz, QPSK, Channel 23755**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2112.92	-37.66	0.90	9.80	-30.91	-13.00	H
9226.00	-50.58	2.10	11.60	-43.23	-13.00	H
9299.50	-50.91	2.00	11.60	-43.46	-13.00	H
9424.25	-52.24	2.10	11.60	-44.89	-13.00	H
9473.75	-51.06	2.10	11.60	-43.71	-13.00	V
9741.00	-50.61	2.20	11.20	-43.76	-13.00	H

LTE Band 17, 1.4MHz, QPSK, Channel 23790

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2123.75	-37.02	0.90	9.80	-30.27	-13.00	H
8501.75	-52.34	2.10	12.00	-44.59	-13.00	H
9224.50	-50.70	2.10	11.60	-43.35	-13.00	H
9299.50	-50.20	2.00	11.60	-42.75	-13.00	H
9427.50	-51.69	2.10	11.60	-44.34	-13.00	H
9475.00	-51.00	2.10	11.60	-43.65	-13.00	V

LTE Band 17, 1.4MHz, QPSK, Channel 23825

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2134.17	-38.65	0.90	9.80	-31.90	-13.00	H
9097.25	-51.35	2.20	11.60	-44.10	-13.00	H
9225.25	-51.05	2.10	11.60	-43.70	-13.00	H
9300.00	-50.01	2.00	11.60	-42.56	-13.00	H
9475.50	-51.25	2.10	11.60	-43.90	-13.00	V
9734.00	-51.03	2.20	11.20	-44.18	-13.00	H

**LTE Band 17, 1.4MHz, 16QAM, Channel 23755**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2112.92	-40.03	0.90	9.80	-33.28	-13.00	H
8362.50	-51.69	1.80	11.30	-44.34	-13.00	H
9224.00	-50.95	2.10	11.60	-43.60	-13.00	H
9229.50	-50.82	2.10	11.60	-43.47	-13.00	H
9469.75	-51.22	2.10	11.60	-43.87	-13.00	V
9577.00	-51.25	2.10	11.20	-44.30	-13.00	H

LTE Band 17, 1.4MHz, 16QAM, Channel 23790

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2123.33	-39.34	0.90	9.80	-32.59	-13.00	H
9227.00	-50.47	2.10	11.60	-43.12	-13.00	H
9300.50	-50.93	2.00	11.60	-43.48	-13.00	H
9423.25	-51.29	2.10	11.60	-43.94	-13.00	H
9476.75	-50.70	2.10	11.60	-43.35	-13.00	V
9726.00	-51.17	2.20	11.20	-44.32	-13.00	H

LTE Band 17, 1.4MHz, 16QAM, Channel 23825

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2133.75	-36.41	0.90	9.80	-29.66	-13.00	H
9098.50	-51.90	2.20	11.60	-44.65	-13.00	H
9225.75	-50.79	2.10	11.60	-43.44	-13.00	H
9294.75	-50.81	2.00	11.60	-43.36	-13.00	H
9423.00	-51.48	2.10	11.60	-44.13	-13.00	H
9476.25	-50.62	2.10	11.60	-43.27	-13.00	V

**LTE Band 17, 1.4MHz, 64QAM, Channel 23755**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2112.50	-40.24	0.90	9.80	-33.49	-13.00	H
8704.75	-52.39	2.00	12.00	-44.54	-13.00	V
9222.25	-51.33	2.10	11.60	-43.98	-13.00	H
9300.00	-50.73	2.00	11.60	-43.28	-13.00	H
9364.00	-51.93	2.00	11.60	-44.48	-13.00	V
9471.25	-51.66	2.10	11.60	-44.31	-13.00	V

LTE Band 17, 1.4MHz, 64QAM, Channel 23790

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2123.75	-40.49	0.90	9.80	-33.74	-13.00	V
9099.00	-51.45	2.20	11.60	-44.20	-13.00	H
9224.75	-50.05	2.10	11.60	-42.70	-13.00	H
9299.75	-51.07	2.00	11.60	-43.62	-13.00	H
9475.00	-51.49	2.10	11.60	-44.14	-13.00	V
9746.00	-51.14	2.20	11.20	-44.29	-13.00	H

LTE Band 17, 1.4MHz, 64QAM, Channel 23825

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2133.75	-38.61	0.90	9.80	-31.86	-13.00	H
9101.25	-51.44	2.20	11.60	-44.19	-13.00	H
9224.25	-51.03	2.10	11.60	-43.68	-13.00	H
9300.25	-50.42	2.00	11.60	-42.97	-13.00	H
9477.50	-51.12	2.10	11.60	-43.77	-13.00	V
9741.50	-50.67	2.20	11.20	-43.82	-13.00	H

**LTE Band 25, 1.4MHz, QPSK, Channel 26047**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16987.50	-44.46	2.90	16.50	-30.86	-13.00	H
17210.50	-42.69	2.90	14.50	-31.09	-13.00	H
17281.50	-42.93	3.20	14.50	-31.63	-13.00	H
17520.00	-39.97	2.90	12.80	-30.07	-13.00	H
17575.00	-39.05	3.30	12.80	-29.55	-13.00	H
17835.00	-39.55	3.60	12.80	-30.35	-13.00	H

LTE Band 25, 1.4MHz, QPSK, Channel 26365

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16985.00	-44.81	2.90	16.50	-31.21	-13.00	H
17123.50	-43.03	2.90	14.50	-31.43	-13.00	H
17300.50	-42.08	3.20	14.50	-30.78	-13.00	H
17477.00	-41.21	2.90	14.50	-29.61	-13.00	H
17594.00	-38.49	3.30	12.80	-28.99	-13.00	H
17840.00	-39.19	3.60	12.80	-29.99	-13.00	H

LTE Band 25, 1.4MHz, QPSK, Channel 26683

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16934.00	-44.27	2.90	16.50	-30.67	-13.00	H
17189.00	-43.51	2.90	14.50	-31.91	-13.00	H
17367.50	-42.40	3.20	14.50	-31.10	-13.00	H
17505.50	-39.65	2.90	12.80	-29.75	-13.00	H
17618.50	-39.01	3.30	12.80	-29.51	-13.00	H
17776.00	-39.12	3.60	12.80	-29.92	-13.00	H

**LTE Band 25, 1.4MHz, 16QAM, Channel 26047**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16963.00	-44.34	2.90	16.50	-30.74	-13.00	H
17194.50	-42.76	2.90	14.50	-31.16	-13.00	H
17325.50	-42.64	3.20	14.50	-31.34	-13.00	H
17516.00	-39.27	2.90	12.80	-29.37	-13.00	H
17600.50	-39.40	3.30	12.80	-29.90	-13.00	H
17836.50	-39.20	3.60	12.80	-30.00	-13.00	H

LTE Band 25, 1.4MHz, 16QAM, Channel 26365

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16996.00	-44.63	2.90	16.50	-31.03	-13.00	H
17184.50	-42.86	2.90	14.50	-31.26	-13.00	H
17229.00	-42.98	3.20	14.50	-31.68	-13.00	H
17459.50	-40.98	2.90	14.50	-29.38	-13.00	H
17601.50	-39.02	3.30	12.80	-29.52	-13.00	H
17778.00	-39.52	3.60	12.80	-30.32	-13.00	H

LTE Band 25, 1.4MHz, 16QAM, Channel 26683

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16984.00	-44.08	2.90	16.50	-30.48	-13.00	H
17188.50	-42.89	2.90	14.50	-31.29	-13.00	H
17365.00	-42.82	3.20	14.50	-31.52	-13.00	H
17491.00	-41.23	2.90	14.50	-29.63	-13.00	H
17593.50	-39.00	3.30	12.80	-29.50	-13.00	H
17838.00	-38.88	3.60	12.80	-29.68	-13.00	H

**LTE Band 25, 1.4MHz, 64QAM, Channel 26047**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16984.50	-43.51	2.90	16.50	-29.91	-13.00	H
17209.00	-42.51	2.90	14.50	-30.91	-13.00	H
17229.50	-42.62	3.20	14.50	-31.32	-13.00	H
17483.00	-41.24	2.90	14.50	-29.64	-13.00	H
17591.50	-38.86	3.30	12.80	-29.36	-13.00	H
17834.50	-39.48	3.60	12.80	-30.28	-13.00	H

LTE Band 25, 1.4MHz, 64QAM, Channel 26365

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16963.50	-43.74	2.90	16.50	-30.14	-13.00	H
17170.50	-43.39	2.90	14.50	-31.79	-13.00	H
17367.00	-42.27	3.20	14.50	-30.97	-13.00	H
17503.50	-39.21	2.90	12.80	-29.31	-13.00	H
17615.50	-39.01	3.30	12.80	-29.51	-13.00	H
17791.00	-39.50	3.60	12.80	-30.30	-13.00	H

LTE Band 25, 1.4MHz, 64QAM, Channel 26683

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16967.00	-44.63	2.90	16.50	-31.03	-13.00	H
17188.00	-43.29	2.90	14.50	-31.69	-13.00	H
17357.50	-43.09	3.20	14.50	-31.79	-13.00	H
17433.00	-41.64	2.90	14.50	-30.04	-13.00	H
17593.00	-38.72	3.30	12.80	-29.22	-13.00	H
17829.00	-39.47	3.60	12.80	-30.27	-13.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2472.92	-40.45	0.90	9.80	-33.70	-13.00	H
9104.00	-51.61	2.20	11.60	-44.36	-13.00	H
9225.50	-50.89	2.10	11.60	-43.54	-13.00	H
9297.50	-50.24	2.00	11.60	-42.79	-13.00	H
9472.75	-51.18	2.10	11.60	-43.83	-13.00	V
9736.25	-51.21	2.20	11.20	-44.36	-13.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2508.33	-40.81	0.90	10.70	-33.16	-13.00	H
9106.50	-51.01	2.10	11.60	-43.66	-13.00	H
9222.50	-50.82	2.10	11.60	-43.47	-13.00	H
9300.50	-50.79	2.00	11.60	-43.34	-13.00	H
9423.25	-51.86	2.10	11.60	-44.51	-13.00	H
9476.25	-51.06	2.10	11.60	-43.71	-13.00	V

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2543.75	-43.75	0.90	10.70	-36.10	-13.00	H
9153.50	-52.01	2.10	11.60	-44.66	-13.00	H
9218.75	-50.76	2.10	11.60	-43.41	-13.00	H
9299.75	-50.50	2.00	11.60	-43.05	-13.00	H
9419.00	-51.87	2.10	11.60	-44.52	-13.00	H
9477.75	-51.67	2.10	11.60	-44.32	-13.00	V

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2472.92	-40.81	0.90	9.80	-34.06	-13.00	H
9223.50	-51.69	2.10	11.60	-44.34	-13.00	H
9299.75	-51.28	2.00	11.60	-43.83	-13.00	H
9420.50	-51.99	2.10	11.60	-44.64	-13.00	H
9475.25	-50.70	2.10	11.60	-43.35	-13.00	V
9772.50	-51.11	2.30	11.20	-44.36	-13.00	V

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2508.33	-40.39	0.90	10.70	-32.74	-13.00	H
9096.25	-51.09	2.20	11.60	-43.84	-13.00	H
9149.50	-51.61	2.10	11.60	-44.26	-13.00	H
9224.25	-51.26	2.10	11.60	-43.91	-13.00	H
9308.25	-50.54	2.00	11.60	-43.09	-13.00	H
9480.75	-51.41	2.10	11.60	-44.06	-13.00	V

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2543.75	-44.20	0.90	10.70	-36.55	-13.00	H
8473.75	-52.01	1.80	11.30	-44.66	-13.00	H
9100.75	-50.72	2.20	11.60	-43.47	-13.00	H
9225.00	-51.33	2.10	11.60	-43.98	-13.00	H
9304.25	-50.09	2.00	11.60	-42.64	-13.00	H
9371.75	-50.89	2.00	11.60	-43.44	-13.00	V

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2472.92	-41.47	0.90	9.80	-34.72	-13.00	H
9225.25	-50.55	2.10	11.60	-43.20	-13.00	H
9297.00	-50.27	2.00	11.60	-42.82	-13.00	H
9477.00	-51.61	2.10	11.60	-44.26	-13.00	V
9649.50	-51.52	2.10	11.20	-44.57	-13.00	H
9779.50	-50.99	2.30	11.20	-44.24	-13.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2508.33	-40.59	0.90	10.70	-32.94	-13.00	H
9153.00	-51.33	2.10	11.60	-43.98	-13.00	H
9230.00	-51.03	2.10	11.60	-43.68	-13.00	H
9297.75	-51.45	2.00	11.60	-44.00	-13.00	H
9429.25	-51.63	2.10	11.60	-44.28	-13.00	H
9472.25	-51.45	2.10	11.60	-44.10	-13.00	V

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2543.75	-43.58	0.90	10.70	-35.93	-13.00	H
8418.00	-51.96	1.80	11.30	-44.61	-13.00	H
9103.25	-51.66	2.20	11.60	-44.41	-13.00	H
9225.00	-50.99	2.10	11.60	-43.64	-13.00	H
9299.25	-51.50	2.00	11.60	-44.05	-13.00	H
9473.50	-51.40	2.10	11.60	-44.05	-13.00	V

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2442.92	-40.48	0.90	9.80	-33.73	-13.00	H
9101.50	-51.75	2.20	11.60	-44.50	-13.00	H
9221.00	-50.34	2.10	11.60	-42.99	-13.00	H
9297.00	-50.67	2.00	11.60	-43.22	-13.00	H
9425.50	-51.84	2.10	11.60	-44.49	-13.00	H
9473.00	-51.55	2.10	11.60	-44.20	-13.00	V

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2455.83	-39.70	0.90	9.80	-32.95	-13.00	H
7323.75	-52.73	1.70	12.00	-44.58	-13.00	H
9222.25	-50.63	2.10	11.60	-43.28	-13.00	H
9302.25	-50.88	2.00	11.60	-43.43	-13.00	H
9428.25	-51.75	2.10	11.60	-44.40	-13.00	H
9471.75	-50.84	2.10	11.60	-43.49	-13.00	V

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2468.33	-39.65	0.90	9.80	-32.90	-13.00	H
8474.50	-51.63	1.80	11.30	-44.28	-13.00	H
9101.00	-51.19	2.20	11.60	-43.94	-13.00	H
9224.75	-50.86	2.10	11.60	-43.51	-13.00	H
9297.25	-51.11	2.00	11.60	-43.66	-13.00	H
9423.00	-51.59	2.10	11.60	-44.24	-13.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2442.92	-41.90	0.90	9.80	-35.15	-13.00	H
9150.50	-51.21	2.10	11.60	-43.86	-13.00	H
9227.75	-50.45	2.10	11.60	-43.10	-13.00	H
9303.25	-51.24	2.00	11.60	-43.79	-13.00	H
9424.00	-51.37	2.10	11.60	-44.02	-13.00	H
9475.25	-51.50	2.10	11.60	-44.15	-13.00	V

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2455.42	-40.62	0.90	9.80	-33.87	-13.00	H
8459.50	-51.85	1.80	11.30	-44.50	-13.00	H
9226.00	-51.56	2.10	11.60	-44.21	-13.00	H
9296.75	-51.28	2.00	11.60	-43.83	-13.00	H
9424.75	-51.56	2.10	11.60	-44.21	-13.00	H
9476.50	-51.11	2.10	11.60	-43.76	-13.00	V

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2468.75	-40.18	0.90	9.80	-33.43	-13.00	H
9100.25	-51.88	2.20	11.60	-44.63	-13.00	H
9228.00	-50.97	2.10	11.60	-43.62	-13.00	H
9298.50	-50.87	2.00	11.60	-43.42	-13.00	H
9421.50	-51.74	2.10	11.60	-44.39	-13.00	H
9475.75	-51.81	2.10	11.60	-44.46	-13.00	V

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2442.50	-41.51	0.90	9.80	-34.76	-13.00	H
9100.50	-51.65	2.20	11.60	-44.40	-13.00	H
9226.00	-50.23	2.10	11.60	-42.88	-13.00	H
9303.25	-50.39	2.00	11.60	-42.94	-13.00	H
9430.75	-51.48	2.10	11.60	-44.13	-13.00	H
9478.25	-51.51	2.10	11.60	-44.16	-13.00	V

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2455.83	-41.91	0.90	9.80	-35.16	-13.00	H
9106.00	-51.25	2.20	11.60	-44.00	-13.00	H
9227.75	-51.41	2.10	11.60	-44.06	-13.00	H
9310.25	-50.80	2.00	11.60	-43.35	-13.00	H
9425.25	-51.28	2.10	11.60	-43.93	-13.00	H
9473.00	-51.28	2.10	11.60	-43.93	-13.00	V

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2468.33	-40.25	0.90	9.80	-33.50	-13.00	H
8437.75	-52.03	1.80	11.30	-44.68	-13.00	H
9225.50	-50.74	2.10	11.60	-43.39	-13.00	H
9304.00	-50.94	2.00	11.60	-43.49	-13.00	H
9421.25	-50.58	2.10	11.60	-43.23	-13.00	H
9469.75	-51.47	2.10	11.60	-44.12	-13.00	V

**LTE Band 30, 5MHz, QPSK, Channel 27685**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16002.50	-65.71	2.60	17.40	-50.91	-40.00	H
16989.50	-64.58	2.90	16.50	-50.98	-40.00	H
16995.50	-64.82	2.90	16.50	-51.22	-40.00	H
17449.50	-61.38	2.90	14.50	-49.78	-40.00	H
17598.50	-58.88	3.30	12.80	-49.38	-40.00	H
17997.50	-59.17	3.20	12.80	-49.57	-40.00	H

LTE Band 30, 5MHz, QPSK, Channel 27710

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16681.00	-64.94	2.60	16.50	-51.04	-40.00	H
16982.00	-64.54	2.90	16.50	-50.94	-40.00	H
16999.00	-64.96	2.90	16.50	-51.36	-40.00	H
17462.50	-61.19	2.90	14.50	-49.59	-40.00	H
17505.00	-59.48	2.90	12.80	-49.58	-40.00	H
17978.00	-57.25	3.20	12.80	-47.65	-40.00	H

LTE Band 30, 5MHz, QPSK, Channel 27735

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16483.50	-67.37	2.70	17.40	-52.67	-40.00	H
16936.00	-64.39	2.90	16.50	-50.79	-40.00	H
17003.50	-63.03	2.90	14.50	-51.43	-40.00	H
17458.00	-61.44	2.90	14.50	-49.84	-40.00	H
17508.00	-59.62	2.90	12.80	-49.72	-40.00	H
17979.50	-59.40	3.20	12.80	-49.80	-40.00	H

**LTE Band 30, 5MHz, 16QAM, Channel 27685**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16987.00	-64.58	2.90	16.50	-50.98	-40.00	H
17185.50	-63.36	2.90	14.50	-51.76	-40.00	H
17368.00	-62.75	3.20	14.50	-51.45	-40.00	H
17451.00	-61.13	2.90	14.50	-49.53	-40.00	H
17581.00	-59.12	3.30	12.80	-49.62	-40.00	H
17836.50	-59.29	3.60	12.80	-50.09	-40.00	H

LTE Band 30, 5MHz, 16QAM, Channel 27710

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16965.00	-64.66	2.90	16.50	-51.06	-40.00	H
17142.00	-63.34	2.90	14.50	-51.74	-40.00	H
17366.50	-62.43	3.20	14.50	-51.13	-40.00	H
17505.00	-58.85	2.90	12.80	-48.95	-40.00	H
17574.50	-59.19	3.30	12.80	-49.69	-40.00	H
17838.00	-59.41	3.60	12.80	-50.21	-40.00	H

LTE Band 30, 5MHz, 16QAM, Channel 27735

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16475.00	-67.76	2.70	17.40	-53.06	-40.00	H
16987.00	-64.69	2.90	16.50	-51.09	-40.00	H
16996.50	-64.72	2.90	16.50	-51.12	-40.00	H
17459.50	-61.43	2.90	14.50	-49.83	-40.00	H
17589.50	-59.06	3.30	12.80	-49.56	-40.00	H
17979.00	-59.19	3.20	12.80	-49.59	-40.00	H

**LTE Band 30, 5MHz, 64QAM, Channel 27685**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16985.50	-64.82	2.90	16.50	-51.22	-40.00	H
17192.50	-63.29	2.90	14.50	-51.69	-40.00	H
17283.00	-62.75	3.20	14.50	-51.45	-40.00	H
17456.50	-61.08	2.90	14.50	-49.48	-40.00	H
17618.00	-59.03	3.30	12.80	-49.53	-40.00	H
17834.50	-59.51	3.60	12.80	-50.31	-40.00	H

LTE Band 30, 5MHz, 64QAM, Channel 27710

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16995.50	-64.60	2.90	16.50	-51.00	-40.00	H
17123.00	-63.48	2.90	14.50	-51.88	-40.00	H
17368.00	-62.29	3.20	14.50	-50.99	-40.00	H
17459.50	-61.26	2.90	14.50	-49.66	-40.00	H
17592.00	-58.88	3.30	12.80	-49.38	-40.00	H
17838.00	-59.15	3.60	12.80	-49.95	-40.00	H

LTE Band 30, 5MHz, 64QAM, Channel 27735

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16983.00	-64.64	2.90	16.50	-51.04	-40.00	H
17185.50	-63.45	2.90	14.50	-51.85	-40.00	H
17300.50	-62.84	3.20	14.50	-51.54	-40.00	H
17459.50	-61.26	2.90	14.50	-49.66	-40.00	H
17589.50	-58.99	3.30	12.80	-49.49	-40.00	H
17840.00	-59.48	3.60	12.80	-50.28	-40.00	H

**LTE Band 38, 5MHz, QPSK, Channel 37775**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16935.00	-54.73	2.90	16.50	-41.13	-25.00	H
17211.50	-53.53	2.90	14.50	-41.93	-25.00	H
17303.00	-52.83	3.20	14.50	-41.53	-25.00	H
17514.00	-49.60	2.90	12.80	-39.70	-25.00	H
17601.50	-49.40	3.30	12.80	-39.90	-25.00	H
17840.00	-49.61	3.60	12.80	-40.41	-25.00	H

LTE Band 38, 5MHz, QPSK, Channel 38000

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16928.50	-54.72	2.90	16.50	-41.12	-25.00	H
17211.50	-53.39	2.90	14.50	-41.79	-25.00	H
17368.00	-52.58	3.20	14.50	-41.28	-25.00	H
17512.50	-49.65	2.90	12.80	-39.75	-25.00	H
17619.50	-49.29	3.30	12.80	-39.79	-25.00	H
17839.00	-49.50	3.60	12.80	-40.30	-25.00	H

LTE Band 38, 5MHz, QPSK, Channel 38225

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16984.50	-54.74	2.90	16.50	-41.14	-25.00	H
17170.50	-53.38	2.90	14.50	-41.78	-25.00	H
17300.50	-52.77	3.20	14.50	-41.47	-25.00	H
17455.00	-51.24	2.90	14.50	-39.64	-25.00	H
17619.50	-49.36	3.30	12.80	-39.86	-25.00	H
17839.00	-49.46	3.60	12.80	-40.26	-25.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16951.00	-54.53	2.90	16.50	-40.93	-25.00	H
17191.50	-53.64	2.90	14.50	-42.04	-25.00	H
17368.00	-52.86	3.20	14.50	-41.56	-25.00	H
17518.50	-49.41	2.90	12.80	-39.51	-25.00	H
17604.00	-49.37	3.30	12.80	-39.87	-25.00	H
17838.50	-49.63	3.60	12.80	-40.43	-25.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16995.50	-54.19	2.90	16.50	-40.59	-25.00	H
17115.00	-53.53	2.90	14.50	-41.93	-25.00	H
17303.50	-52.97	3.20	14.50	-41.67	-25.00	H
17523.00	-49.71	2.90	12.80	-39.81	-25.00	H
17618.50	-49.01	3.30	12.80	-39.51	-25.00	H
17834.50	-49.61	3.60	12.80	-40.41	-25.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16999.50	-54.70	2.90	16.50	-41.10	-25.00	H
17206.50	-53.53	2.90	14.50	-41.93	-25.00	H
17361.50	-52.71	3.20	14.50	-41.41	-25.00	H
17524.50	-49.79	2.90	12.80	-39.89	-25.00	H
17580.50	-49.04	3.30	12.80	-39.54	-25.00	H
17827.00	-49.59	3.60	12.80	-40.39	-25.00	H

**LTE Band 38, 5MHz, 64QAM, Channel 37775**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16978.50	-54.75	2.90	16.50	-41.15	-25.00	H
17139.50	-53.16	2.90	14.50	-41.56	-25.00	H
17303.00	-52.80	3.20	14.50	-41.50	-25.00	H
17453.00	-51.42	2.90	14.50	-39.82	-25.00	H
17623.50	-48.86	3.30	12.80	-39.36	-25.00	H
17837.50	-49.56	3.60	12.80	-40.36	-25.00	H

LTE Band 38, 5MHz, 64QAM, Channel 38000

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16944.00	-54.67	2.90	16.50	-41.07	-25.00	H
17213.00	-53.56	2.90	14.50	-41.96	-25.00	H
17357.50	-52.69	3.20	14.50	-41.39	-25.00	H
17460.50	-51.41	2.90	14.50	-39.81	-25.00	H
17578.50	-49.30	3.30	12.80	-39.80	-25.00	H
17836.50	-49.49	3.60	12.80	-40.29	-25.00	H

LTE Band 38, 5MHz, 64QAM, Channel 38225

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16957.00	-54.39	2.90	16.50	-40.79	-25.00	H
17120.00	-53.01	2.90	14.50	-41.41	-25.00	H
17277.00	-52.69	3.20	14.50	-41.39	-25.00	H
17451.50	-51.49	2.90	14.50	-39.89	-25.00	H
17589.50	-49.32	3.30	12.80	-39.82	-25.00	H
17839.50	-49.62	3.60	12.80	-40.42	-25.00	H

**LTE Band 41, 5MHz, QPSK, Channel 39675**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16997.50	-54.57	2.90	16.50	-40.97	-25.00	H
17186.50	-53.48	2.90	14.50	-41.88	-25.00	H
17293.50	-52.59	3.20	14.50	-41.29	-25.00	H
17464.00	-51.42	2.90	14.50	-39.82	-25.00	H
17618.50	-49.14	3.30	12.80	-39.64	-25.00	H
17838.50	-49.45	3.60	12.80	-40.25	-25.00	H

LTE Band 41, 5MHz, QPSK, Channel 40620

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
17003.50	-52.69	2.90	14.50	-41.09	-25.00	H
17117.00	-53.41	2.90	14.50	-41.81	-25.00	H
17362.00	-52.77	3.20	14.50	-41.47	-25.00	H
17452.00	-51.39	2.90	14.50	-39.79	-25.00	H
17619.00	-49.23	3.30	12.80	-39.73	-25.00	H
17840.00	-49.60	3.60	12.80	-40.40	-25.00	H

LTE Band 41, 5MHz, QPSK, Channel 41565

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16960.50	-54.27	2.90	16.50	-40.67	-25.00	H
17185.50	-53.48	2.90	14.50	-41.88	-25.00	H
17281.00	-52.79	3.20	14.50	-41.49	-25.00	H
17458.00	-51.23	2.90	14.50	-39.63	-25.00	H
17567.50	-49.08	3.30	12.80	-39.58	-25.00	H
17838.00	-49.25	3.60	12.80	-40.05	-25.00	H

**LTE Band 41, 5MHz, 16QAM, Channel 39675**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16950.50	-54.43	2.90	16.50	-40.83	-25.00	H
17214.00	-53.58	2.90	14.50	-41.98	-25.00	H
17297.00	-52.70	3.20	14.50	-41.40	-25.00	H
17506.50	-49.51	2.90	12.80	-39.61	-25.00	H
17569.00	-48.95	3.30	12.80	-39.45	-25.00	H
17839.00	-49.43	3.60	12.80	-40.23	-25.00	H

LTE Band 41, 5MHz, 16QAM, Channel 40620

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16987.00	-54.65	2.90	16.50	-41.05	-25.00	H
17186.50	-53.52	2.90	14.50	-41.92	-25.00	H
17297.50	-52.59	3.20	14.50	-41.29	-25.00	H
17523.50	-49.40	2.90	12.80	-39.50	-25.00	H
17594.50	-48.98	3.30	12.80	-39.48	-25.00	H
17835.50	-49.59	3.60	12.80	-40.39	-25.00	H

LTE Band 41, 5MHz, 16QAM, Channel 41565

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16991.50	-54.81	2.90	16.50	-41.21	-25.00	H
17120.00	-53.35	2.90	14.50	-41.75	-25.00	H
17346.50	-52.95	3.20	14.50	-41.65	-25.00	H
17525.00	-49.87	2.90	12.80	-39.97	-25.00	H
17619.50	-49.09	3.30	12.80	-39.59	-25.00	H
17824.00	-49.60	3.60	12.80	-40.40	-25.00	H

**LTE Band 41, 5MHz, 64QAM, Channel 39675**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16992.00	-54.43	2.90	16.50	-40.83	-25.00	H
17209.50	-53.16	2.90	14.50	-41.56	-25.00	H
17294.00	-52.79	3.20	14.50	-41.49	-25.00	H
17461.00	-51.03	2.90	14.50	-39.43	-25.00	H
17588.00	-49.21	3.30	12.80	-39.71	-25.00	H
17839.00	-49.23	3.60	12.80	-40.03	-25.00	H

LTE Band 41, 5MHz, 64QAM, Channel 40620

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16956.00	-54.50	2.90	16.50	-40.90	-25.00	H
17171.50	-53.57	2.90	14.50	-41.97	-25.00	H
17368.50	-52.72	3.20	14.50	-41.42	-25.00	H
17525.00	-49.62	2.90	12.80	-39.72	-25.00	H
17618.50	-49.08	3.30	12.80	-39.58	-25.00	H
17818.00	-49.46	3.60	12.80	-40.26	-25.00	H

LTE Band 41, 5MHz, 64QAM, Channel 41565

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16983.00	-54.61	2.90	16.50	-41.01	-25.00	H
17119.00	-53.40	2.90	14.50	-41.80	-25.00	H
17362.00	-52.79	3.20	14.50	-41.49	-25.00	H
17504.00	-49.48	2.90	12.80	-39.58	-25.00	H
17578.50	-49.35	3.30	12.80	-39.85	-25.00	H
17824.50	-49.36	3.60	12.80	-40.16	-25.00	H

**LTE Band 66, 1.4MHz, QPSK, Channel 131979**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16886.00	-45.07	2.90	16.50	-31.47	-13.00	H
16984.50	-43.52	2.90	16.50	-29.92	-13.00	H
17293.50	-42.99	3.20	14.50	-31.69	-13.00	H
17464.00	-41.33	2.90	14.50	-29.73	-13.00	H
17557.50	-39.55	2.90	12.80	-29.65	-13.00	H
17817.00	-38.59	3.60	12.80	-29.39	-13.00	H

LTE Band 66, 1.4MHz, QPSK, Channel 132322

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16933.50	-43.87	2.90	16.50	-30.27	-13.00	H
17181.50	-43.14	2.90	14.50	-31.54	-13.00	H
17287.50	-42.32	3.20	14.50	-31.02	-13.00	H
17520.50	-39.47	2.90	12.80	-29.57	-13.00	H
17622.00	-38.81	3.30	12.80	-29.31	-13.00	H
17755.50	-39.51	3.60	12.80	-30.31	-13.00	H

LTE Band 66, 1.4MHz, QPSK, Channel 132665

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16937.00	-43.95	2.90	16.50	-30.35	-13.00	H
17203.00	-42.88	2.90	14.50	-31.28	-13.00	H
17346.50	-42.24	3.20	14.50	-30.94	-13.00	H
17518.50	-39.85	2.90	12.80	-29.95	-13.00	H
17624.00	-38.51	3.30	12.80	-29.01	-13.00	H
17794.00	-39.56	3.60	12.80	-30.36	-13.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16996.50	-44.40	2.90	16.50	-30.80	-13.00	H
17113.00	-43.07	2.90	14.50	-31.47	-13.00	H
17300.50	-42.79	3.20	14.50	-31.49	-13.00	H
17510.50	-39.79	2.90	12.80	-29.89	-13.00	H
17618.50	-38.83	3.30	12.80	-29.33	-13.00	H
17825.50	-39.25	3.60	12.80	-30.05	-13.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16922.50	-44.44	2.90	16.50	-30.84	-13.00	H
17143.50	-43.06	2.90	14.50	-31.46	-13.00	H
17287.00	-42.32	3.20	14.50	-31.02	-13.00	H
17492.00	-41.48	2.90	14.50	-29.88	-13.00	H
17621.00	-39.12	3.30	12.80	-29.62	-13.00	H
17816.50	-39.63	3.60	12.80	-30.43	-13.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
17001.50	-42.88	2.90	14.50	-31.28	-13.00	H
17190.00	-43.25	2.90	14.50	-31.65	-13.00	H
17232.50	-43.03	3.20	14.50	-31.73	-13.00	H
17413.00	-41.04	2.90	14.50	-29.44	-13.00	H
17625.00	-38.82	3.30	12.80	-29.32	-13.00	H
17815.50	-39.32	3.60	12.80	-30.12	-13.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16938.50	-43.98	2.90	16.50	-30.38	-13.00	H
17208.50	-42.60	2.90	14.50	-31.00	-13.00	H
17437.50	-41.23	2.90	14.50	-29.63	-13.00	H
17575.50	-38.64	3.30	12.80	-29.14	-13.00	H
17833.00	-38.75	3.60	12.80	-29.55	-13.00	H
17994.50	-37.53	3.20	12.80	-27.93	-13.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16926.00	-44.91	2.90	16.50	-31.31	-13.00	H
17183.50	-43.40	2.90	14.50	-31.80	-13.00	H
17269.00	-42.03	3.20	14.50	-30.73	-13.00	H
17458.00	-41.01	2.90	14.50	-29.41	-13.00	H
17592.50	-39.05	3.30	12.80	-29.55	-13.00	H
17836.00	-39.31	3.60	12.80	-30.11	-13.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16943.00	-44.69	2.90	16.50	-31.09	-13.00	H
17192.50	-43.08	2.90	14.50	-31.48	-13.00	H
17293.00	-43.16	3.20	14.50	-31.86	-13.00	H
17464.00	-41.52	2.90	14.50	-29.92	-13.00	H
17616.50	-39.10	3.30	12.80	-29.60	-13.00	H
17813.00	-39.46	3.60	12.80	-30.26	-13.00	H

**LTE Band 71, 5MHz, QPSK, Channel 133147**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
1990.00	-39.71	0.80	8.10	-34.56	-13.00	H
9099.00	-51.81	2.20	11.60	-44.56	-13.00	H
9226.25	-50.24	2.10	11.60	-42.89	-13.00	H
9299.25	-51.01	2.00	11.60	-43.56	-13.00	H
9376.50	-51.60	2.00	11.60	-44.15	-13.00	V
9472.25	-51.38	2.10	11.60	-44.03	-13.00	V

LTE Band 71, 5MHz, QPSK, Channel 133297

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2035.00	-41.49	0.80	9.80	-34.64	-13.00	H
8363.75	-51.79	1.80	11.30	-44.44	-13.00	H
9221.75	-51.00	2.10	11.60	-43.65	-13.00	H
9297.25	-50.50	2.00	11.60	-43.05	-13.00	H
9424.75	-51.81	2.10	11.60	-44.46	-13.00	H
9473.75	-51.69	2.10	11.60	-44.34	-13.00	V

LTE Band 71, 5MHz, QPSK, Channel 133447

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2079.58	-40.27	0.80	9.80	-33.42	-13.00	V
9102.00	-51.69	2.20	11.60	-44.44	-13.00	H
9220.00	-50.99	2.10	11.60	-43.64	-13.00	H
9307.50	-51.01	2.00	11.60	-43.56	-13.00	H
9427.00	-50.93	2.10	11.60	-43.58	-13.00	H
9473.00	-51.53	2.10	11.60	-44.18	-13.00	V

**LTE Band 71, 5MHz, 16QAM, Channel 133147**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
1990.00	-35.50	0.80	8.10	-30.35	-13.00	H
9099.00	-51.36	2.20	11.60	-44.11	-13.00	H
9223.50	-50.90	2.10	11.60	-43.55	-13.00	H
9300.25	-51.07	2.00	11.60	-43.62	-13.00	H
9475.00	-51.73	2.10	11.60	-44.38	-13.00	V
9734.50	-51.10	2.20	11.20	-44.25	-13.00	H

LTE Band 71, 5MHz, 16QAM, Channel 133297

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2035.00	-40.94	0.80	9.80	-34.09	-13.00	H
8807.25	-52.37	1.90	12.00	-44.42	-13.00	V
9221.75	-51.49	2.10	11.60	-44.14	-13.00	H
9297.75	-50.39	2.00	11.60	-42.94	-13.00	H
9469.25	-51.41	2.10	11.60	-44.06	-13.00	V
9736.75	-50.84	2.20	11.20	-43.99	-13.00	H

LTE Band 71, 5MHz, 16QAM, Channel 133447

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2080.00	-39.23	0.80	9.80	-32.38	-13.00	V
9227.50	-50.67	2.10	11.60	-43.32	-13.00	H
9305.50	-50.96	2.00	11.60	-43.51	-13.00	H
9425.25	-51.92	2.10	11.60	-44.57	-13.00	H
9474.50	-51.14	2.10	11.60	-43.79	-13.00	V
9749.75	-51.28	2.20	11.20	-44.43	-13.00	H

LTE Band 71, 5MHz, 64QAM, Channel 133147

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
1990.42	-39.60	0.80	8.10	-34.45	-13.00	H
9223.00	-50.93	2.10	11.60	-43.58	-13.00	H
9296.25	-51.21	2.00	11.60	-43.76	-13.00	H
9475.25	-50.97	2.10	11.60	-43.62	-13.00	V
9746.75	-51.10	2.20	11.20	-44.25	-13.00	H
9791.50	-51.03	2.30	11.20	-44.28	-13.00	H

LTE Band 71, 5MHz, 64QAM, Channel 133297

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2034.58	-41.81	0.80	9.80	-34.96	-13.00	H
9093.00	-51.37	2.20	11.60	-44.12	-13.00	H
9225.75	-51.05	2.10	11.60	-43.70	-13.00	H
9300.75	-50.62	2.00	11.60	-43.17	-13.00	H
9427.00	-50.64	2.10	11.60	-43.29	-13.00	H
9802.75	-50.58	2.30	11.20	-43.83	-13.00	H

LTE Band 71, 5MHz, 64QAM, Channel 133447

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2080.00	-39.33	0.80	9.80	-32.48	-13.00	V
9098.25	-51.22	2.20	11.60	-43.97	-13.00	H
9224.25	-50.74	2.10	11.60	-43.39	-13.00	H
9301.00	-51.10	2.00	11.60	-43.65	-13.00	H
9446.75	-51.55	2.10	11.60	-44.20	-13.00	H
9727.50	-50.43	2.20	11.20	-43.58	-13.00	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, 5MHz bandwidth (worst case of all bandwidths)

Frequency Error vs Temperature

Temperature(°C)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	7.70	1850.800	1909.210		
50				-0.11	0.0001
40				-1.13	0.0006
30				-0.57	0.0003
10				-0.63	0.0003
0				0.34	0.0002
-10				-0.24	0.0001
-20				-0.37	0.0002
-30				0.23	0.0001

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
6.60	20	1850.800	1909.210	0.23	0.0001
8.80				-0.83	0.0004

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

LTE Band 4, 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	7.70	1710.800	1754.230		
40				0.00	0.0000
30				-0.07	0.0000
20				-0.06	0.0000
10				-0.17	0.0001
0				-0.69	0.0004
-10				-0.32	0.0002
-20				0.09	0.0000
-30				0.07	0.0000

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
6.60	20	1710.800	1754.230	-0.13	0.0001
8.80				0.06	0.0000

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

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

Temperature(°C)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
50	7.70	824.370	848.620		
40				0.13	0.0002
30				0.34	0.0004
20				-0.23	0.0003
10				-0.39	0.0005
0				0.30	0.0004
-10				-0.20	0.0002
-20				0.19	0.0002
-30				-0.01	0.0000

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
6.60	20	824.370	848.620	-0.43	0.0005
8.80				-0.53	0.0006

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

Temperature(°C)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	7.70	2500.520	2569.480		
50				-0.07	0.0000
40				0.47	0.0002
30				-0.04	0.0000
10				0.42	0.0002
0				-0.44	0.0002
-10				0.24	0.0001
-20				0.40	0.0002
-30				-0.34	0.0001

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
6.60	20	2500.520	2569.480	0.10	0.0000
8.80				0.07	0.0000

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

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

Temperature(°C)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	7.70	699.450	715.540		
50				0.09	0.0001
40				-0.94	0.0013
30				-0.70	0.0010
10				0.36	0.0005
0				0.47	0.0007
-10				0.63	0.0009
-20				-0.82	0.0012
-30				-0.96	0.0014

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
6.60	20	699.450	715.540	-1.27	0.0018
8.80				-0.84	0.0012

Expanded measurement uncertainty is 10Hz, k = 2

LTE Band 13, 5MHz bandwidth (worst case of all bandwidths)**Frequency Error vs Temperature**

Temperature(°C)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	7.70	777.465	786.538		
50				1.35	0.0017
40				1.49	0.0019
30				1.20	0.0015
10				1.07	0.0014
0				0.50	0.0006
-10				0.20	0.0003
-20				0.07	0.0001
-30				0.56	0.0007

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
6.60	20	777.465	786.538	0.04	0.0001
8.80				0.29	0.0004

Expanded measurement uncertainty is 10Hz, k = 2


LTE Band 14, 5MHz bandwidth (worst case of all bandwidths)
Frequency Error vs Temperature

Temperature(°C)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
50	7.70	788.450	797.550		
40				-0.49	0.0006
30				0.10	0.0001
20				-0.53	0.0007
10				-0.42	0.0005
0				-0.86	0.0011
-10				-0.77	0.0010
-20				-0.16	0.0002
-30				-0.77	0.0010

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
6.60	20	788.450	797.550	-1.19	0.0015
8.80				-0.69	0.0009

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	7.70	704.360	715.630		
40				-0.01	0.0000
30				-0.27	0.0004
20				0.20	0.0003
10				0.32	0.0004
0				-0.46	0.0006
-10				-0.49	0.0007
-20				-0.84	0.0012
-30				-0.92	0.0013

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
6.60	20	704.360	715.630	-0.79	0.0011
8.80				-1.17	0.0017

Expanded measurement uncertainty is 10Hz, k = 2

**LTE Band 25, 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	7.70	1850.800	1914.220		
40				0.54	0.0003
30				0.10	0.0001
20				0.79	0.0004
10				1.10	0.0006
0				0.47	0.0003
-10				0.69	0.0004
-20				0.03	0.0000
-30				0.74	0.0004

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
6.60	20	1850.800	1914.220	0.01	0.0000
8.80				0.77	0.0004

Expanded measurement uncertainty is 10Hz, k = 2

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

Temperature(°C)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	7.70	814.370	823.620		
50				-0.07	0.0001
40				-0.57	0.0007
30				-0.39	0.0005
10				-0.23	0.0003
0				0.16	0.0002
-10				0.20	0.0002
-20				-1.00	0.0012
-30				0.13	0.0002

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
6.60	20	814.370	823.620	0.06	0.0001
8.80				0.17	0.0002

Expanded measurement uncertainty is 10Hz, k = 2


LTE band 26(824MHz-849MHz), 1.4MHz bandwidth (worst case of all bandwidths)
Frequency Error vs Temperature

Temperature(°C)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	7.70	824.520	848.460		
50				-0.31	0.0004
40				-0.01	0.0000
30				-0.27	0.0003
10				-0.59	0.0007
0				-0.04	0.0001
-10				-0.39	0.0005
-20				-0.83	0.0010
-30				-0.86	0.0010

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
6.60	20	824.520	848.460	-0.11	0.0001
8.80				-0.92	0.0011

Expanded measurement uncertainty is 10Hz, k = 2

LTE Band 30, 5MHz bandwidth (worst case of all bandwidths)
Frequency Error vs Temperature

Temperature(°C)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
50	7.70	2305.380	2314.610		
40				1.53	0.0007
30				1.44	0.0006
20				-0.17	0.0001
10				-0.34	0.0001
0				-0.62	0.0003
-10				1.42	0.0006
-20				0.97	0.0004
-30				0.73	0.0003

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
6.60	20	2305.380	2314.610	0.94	0.0004
8.80				-0.12	0.0000

Expanded measurement uncertainty is 10Hz, k = 2

**LTE Band 38, 5MHz bandwidth (worst case of all bandwidths)****Frequency Error vs Temperature**

Temperature(°C)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	7.70	2570.560	2619.440		
50				-1.66	0.0006
40				-1.17	0.0005
30				-0.70	0.0003
10				-0.93	0.0004
0				-1.57	0.0006
-10				-0.60	0.0002
-20				-0.37	0.0001
-30				-0.82	0.0003

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
6.60	20	2570.560	2619.440	-0.20	0.0001
8.80				-3.15	0.0012

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	7.70	2496.500	2689.440		
50				1.22	0.0005
40				-0.49	0.0002
30				0.03	0.0000
10				0.86	0.0003
0				0.47	0.0002
-10				-1.19	0.0005
-20				-1.49	0.0006
-30				-1.07	0.0004

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
6.60	20	2496.500	2689.440	-1.66	0.0006
8.80				0.76	0.0003

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


LTE Band 66, 1.4MHz bandwidth (worst case of all bandwidths)
Frequency Error vs Temperature

Temperature(°C)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	7.70	1710.800	1779.220		
50				-0.21	0.0001
40				0.72	0.0004
30				-0.31	0.0002
10				0.52	0.0003
0				-0.34	0.0002
-10				0.13	0.0001
-20				0.23	0.0001
-30				0.43	0.0002

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
6.60	20	1710.800	1779.220	0.70	0.0004
8.80				0.22	0.0001

Expanded measurement uncertainty is 10Hz, k = 2

LTE Band 71, 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	7.70	663.810	697.200		
50				0.16	0.0002
40				0.63	0.0009
30				-0.07	0.0001
10				0.67	0.0010
0				0.27	0.0004
-10				0.12	0.0002
-20				0.16	0.0002
-30				-0.43	0.0006

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
6.60	20	663.810	697.200	-0.13	0.0002
8.80				-0.17	0.0003

Expanded measurement uncertainty is 10Hz, k = 2



A.4 OCCUPIED BANDWIDTH

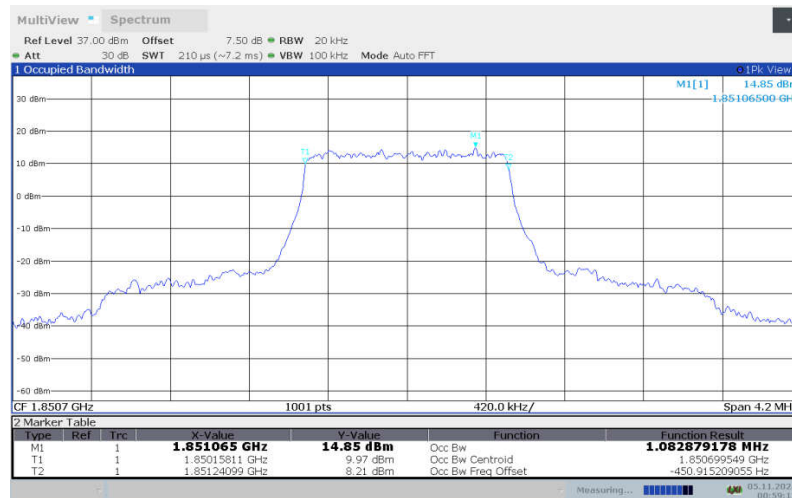
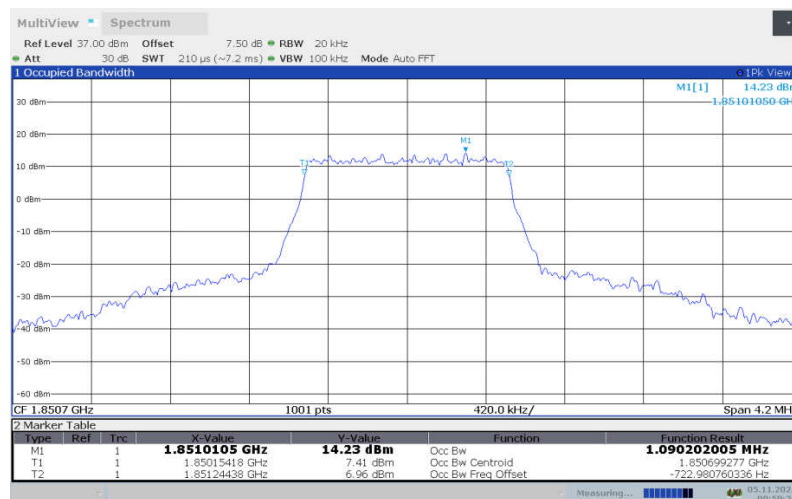
Occupied bandwidth measurements are only provided for selected frequencies in order to reduce the amount of submitted data. Data were taken at the extreme and mid frequency. The table below lists the measured 99% BW. Spectrum analyzer plots are included on the following pages.

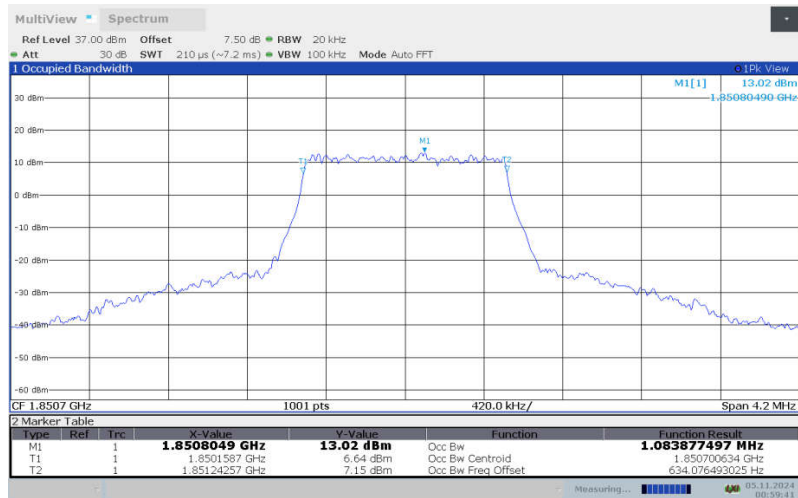
The measurement method is from ANSI C63.26:

- 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 $\geq 3 \times \text{RBW}$.
- 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.

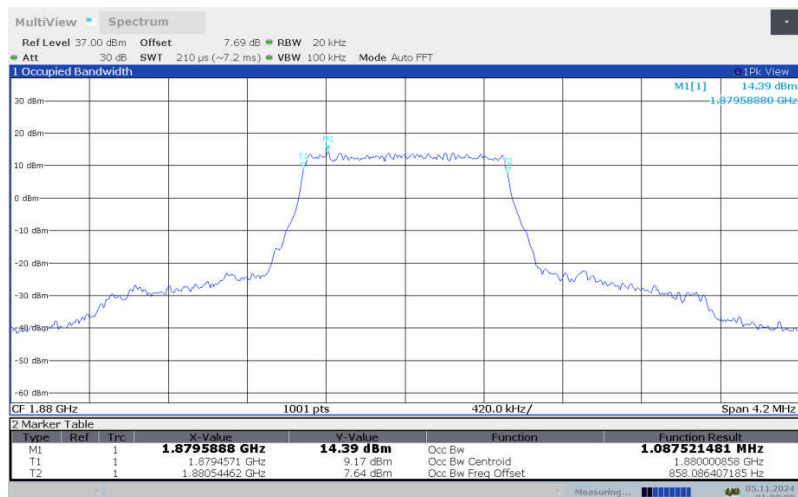
**LTE band 2, 1.4MHz (99% BW)**

Frequency (MHz)	Occupied Bandwidth (99% OBW)(MHz)		
	QPSK	16QAM	64QAM
1850.7	1.083	1.090	1.084
1880	1.088	1.085	1.095
1909.3	1.094	1.089	1.084

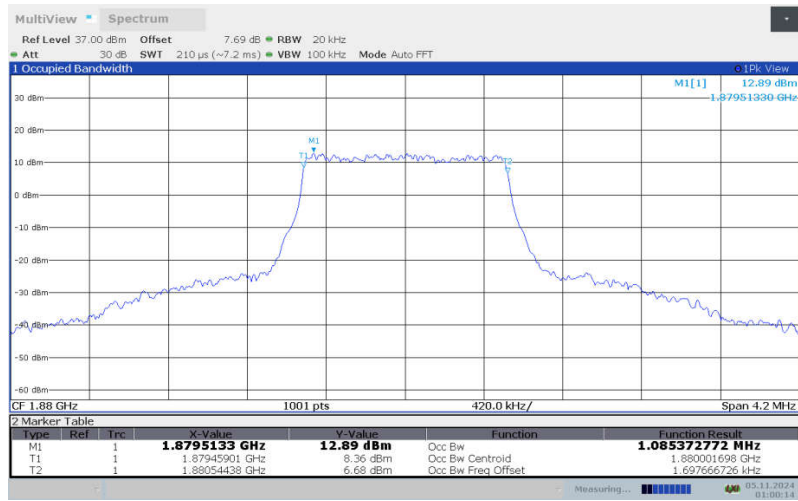
LTE band 2 , 1.4MHz Bandwidth, LOW, QPSK (99% BW)**LTE band 2 , 1.4MHz Bandwidth, LOW, 16QAM (99% BW)****LTE band 2 , 1.4MHz Bandwidth, LOW, 64QAM (99% BW)**



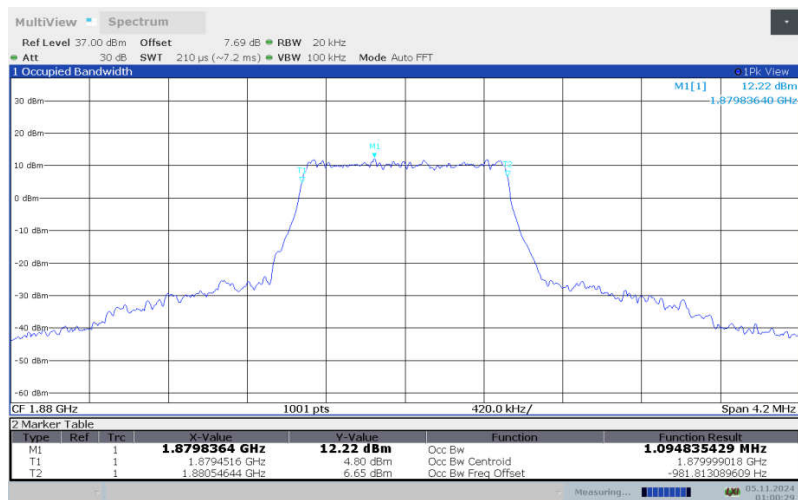
LTE band 2 , 1.4MHz Bandwidth, MID, QPSK (99% BW)



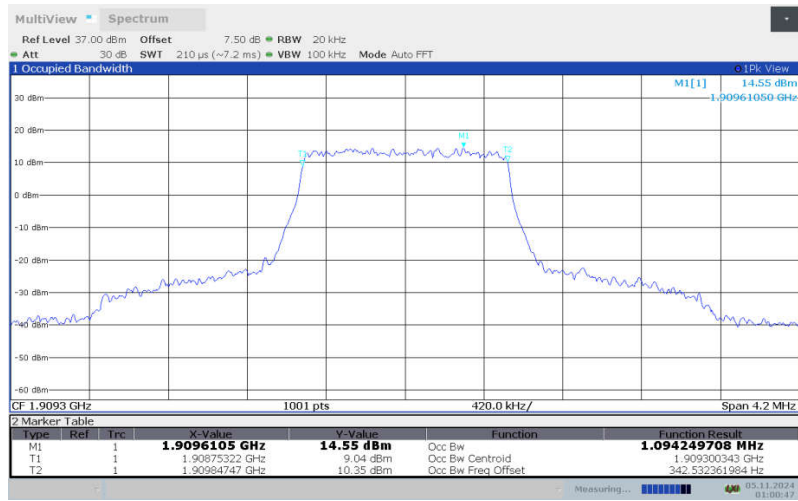
LTE band 2 , 1.4MHz Bandwidth, MID, 16QAM (99% BW)



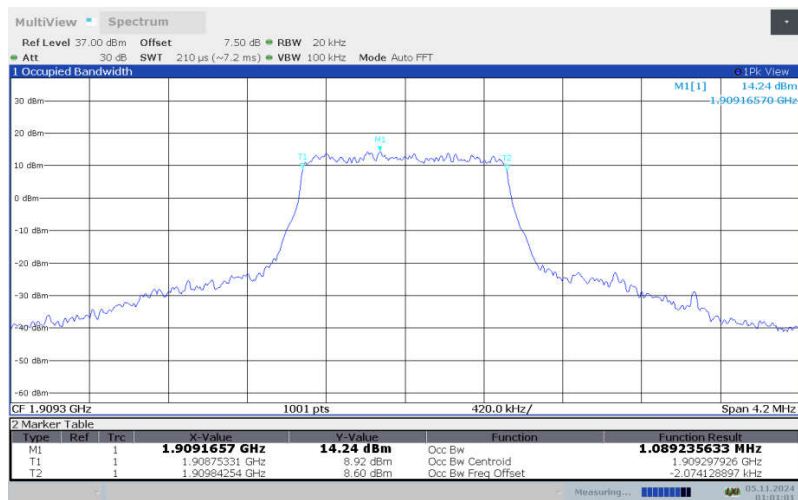
LTE band 2 , 1.4MHz Bandwidth, MID, 64QAM (99% BW)



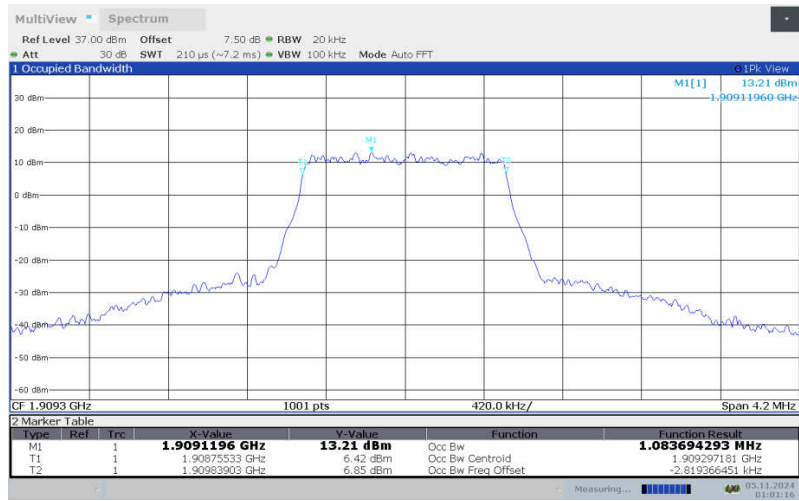
LTE band 2 , 1.4MHz Bandwidth, HIGH, QPSK (99% BW)



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

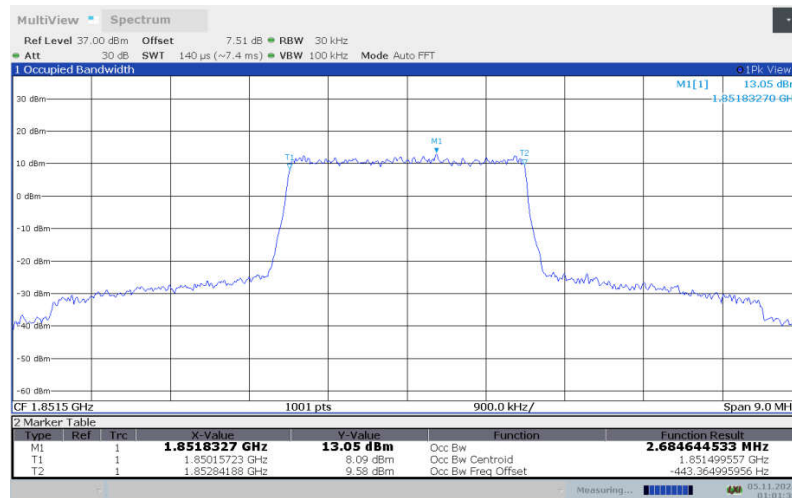
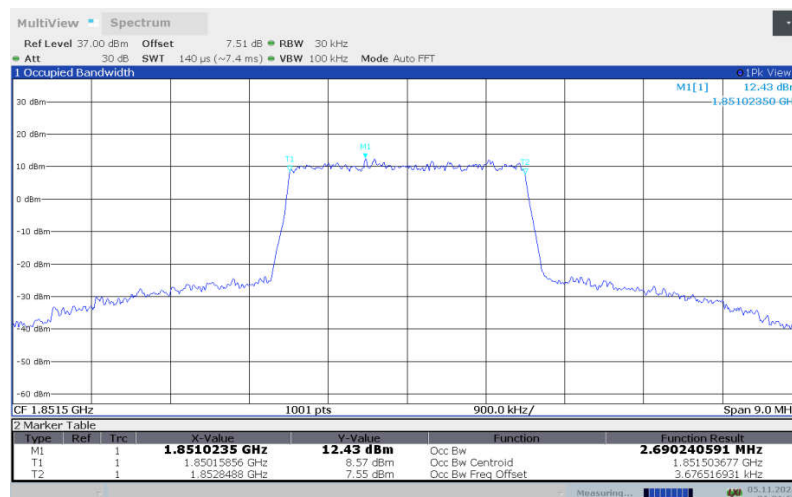


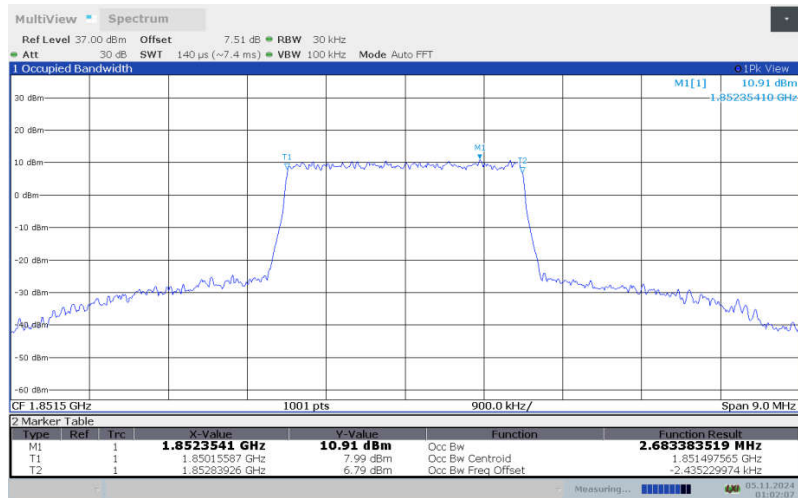
LTE band 2 , 1.4MHz Bandwidth, HIGH, 64QAM (99% BW)



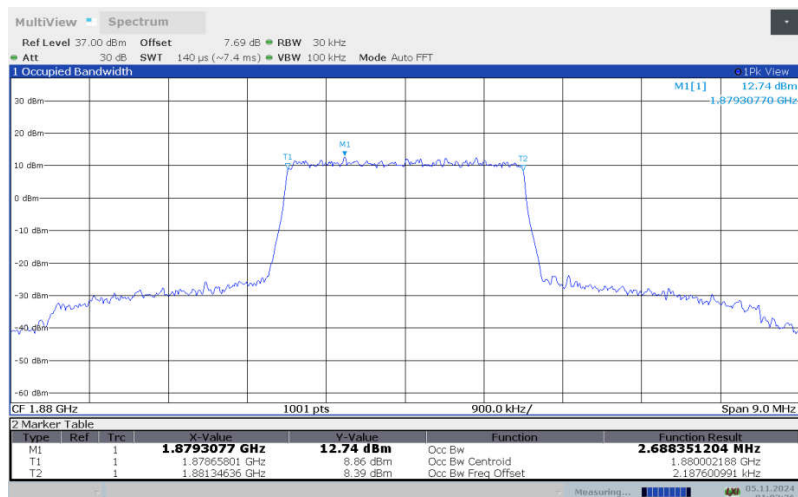
**LTE band 2,3MHz(99% OBW)**

Frequency (MHz)	Occupied Bandwidth (99% OBW)(MHz)		
	QPSK	16QAM	64QAM
1851.5	2.685	2.690	2.683
1880	2.688	2.684	2.687
1908.5	2.687	2.685	2.689

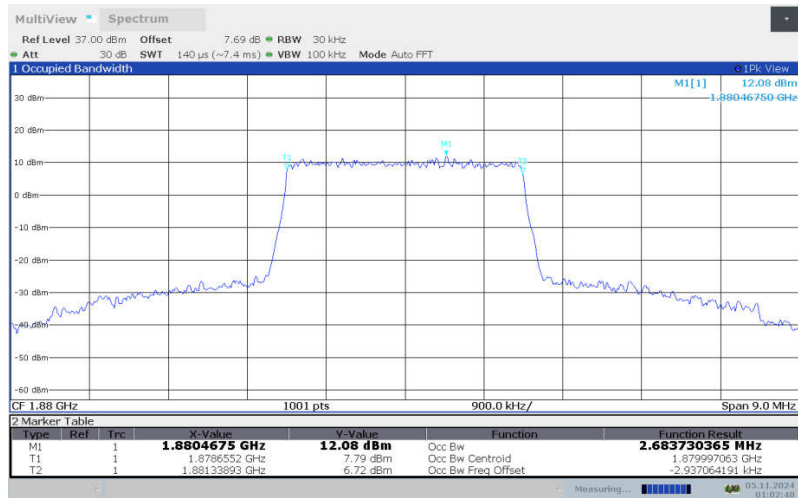
LTE band 2 , 3MHz Bandwidth, LOW, QPSK (99% BW)**LTE band 2 , 3MHz Bandwidth, LOW, 16QAM (99% BW)****LTE band 2 , 3MHz Bandwidth, LOW, 64QAM (99% BW)**



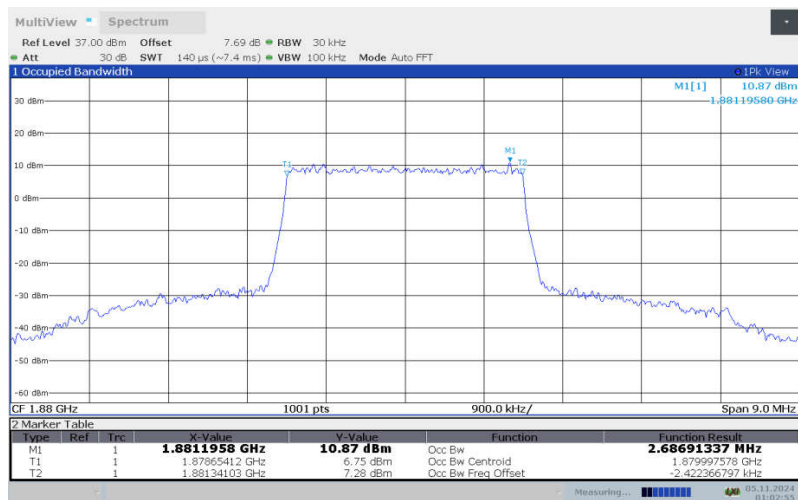
LTE band 2 , 3MHz Bandwidth, MID, QPSK (99% BW)



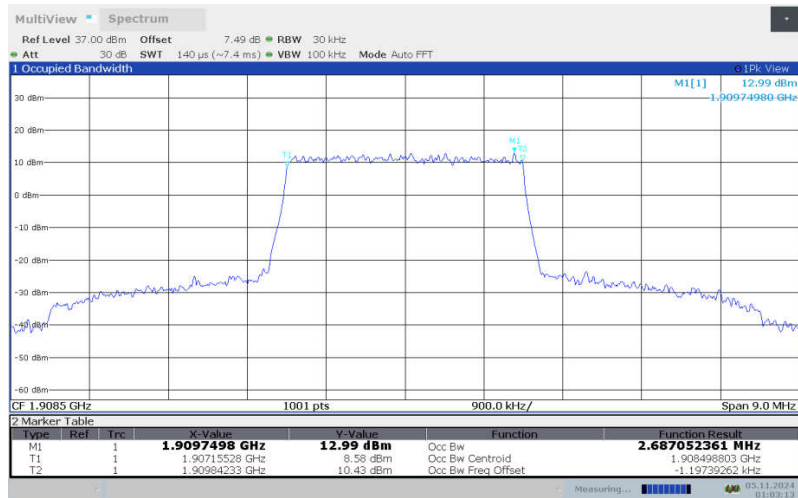
LTE band 2 , 3MHz Bandwidth, MID, 16QAM (99% BW)



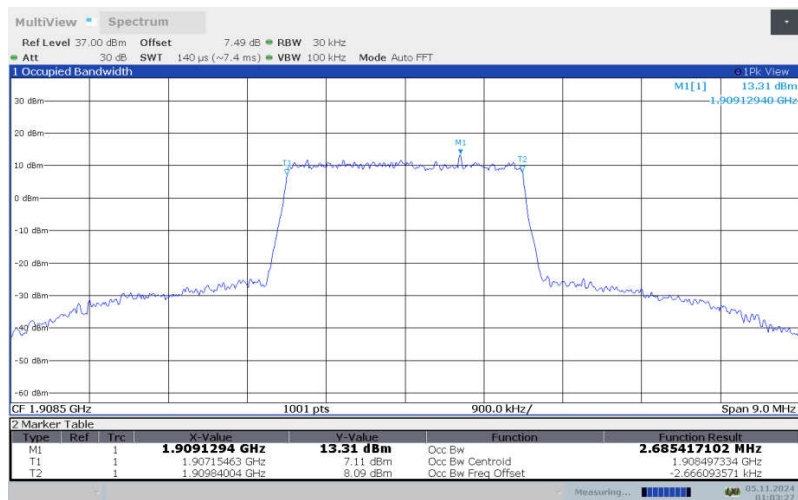
LTE band 2 , 3MHz Bandwidth, MID, 64QAM (99% BW)



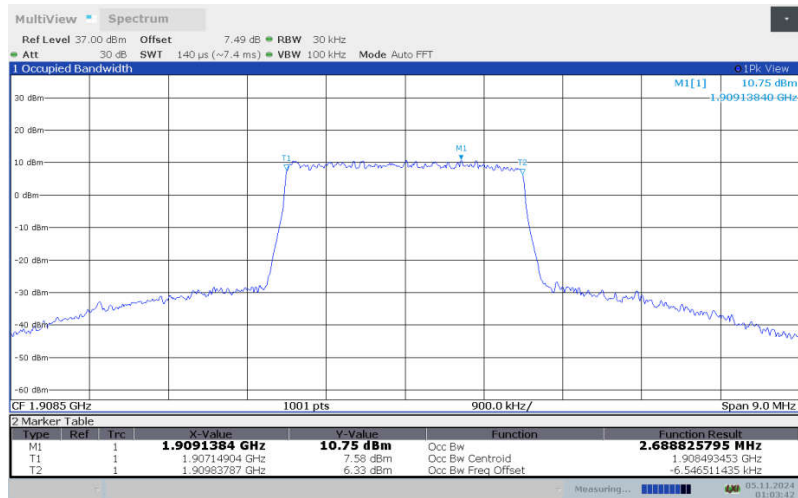
LTE band 2 , 3MHz Bandwidth, HIGH, QPSK (99% BW)



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

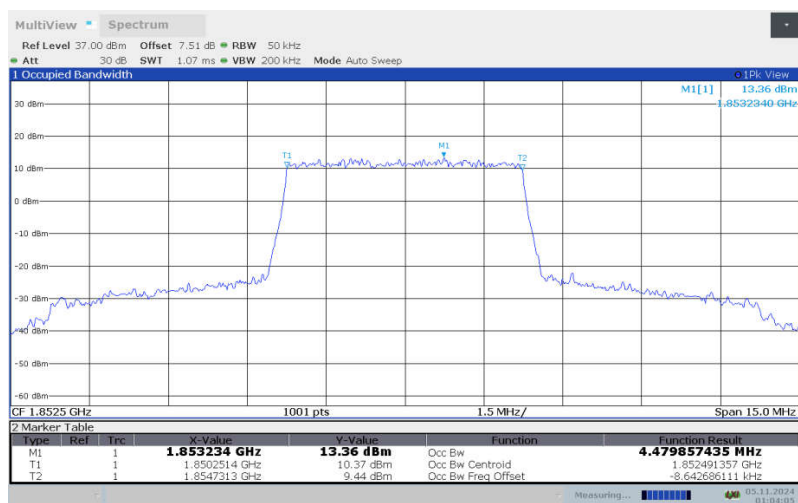
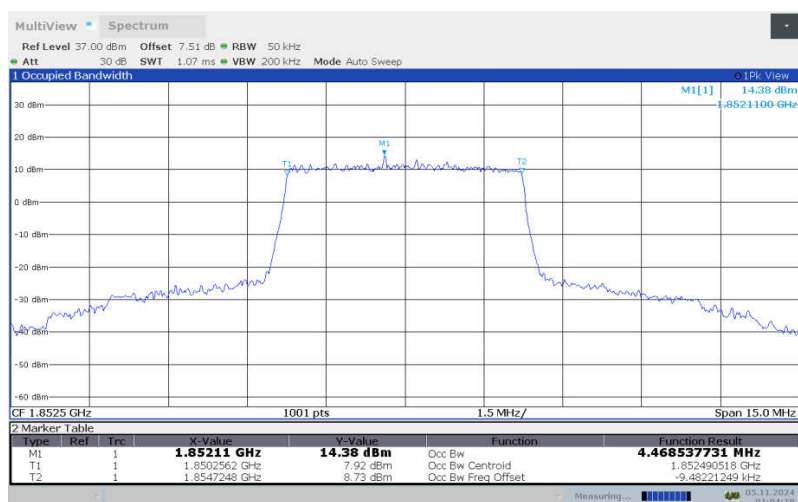


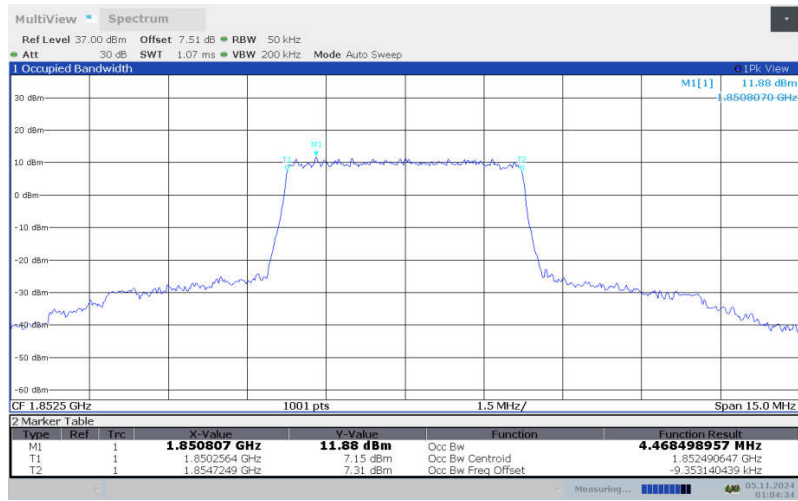
LTE band 2 , 3MHz Bandwidth, HIGH, 64QAM (99% BW)



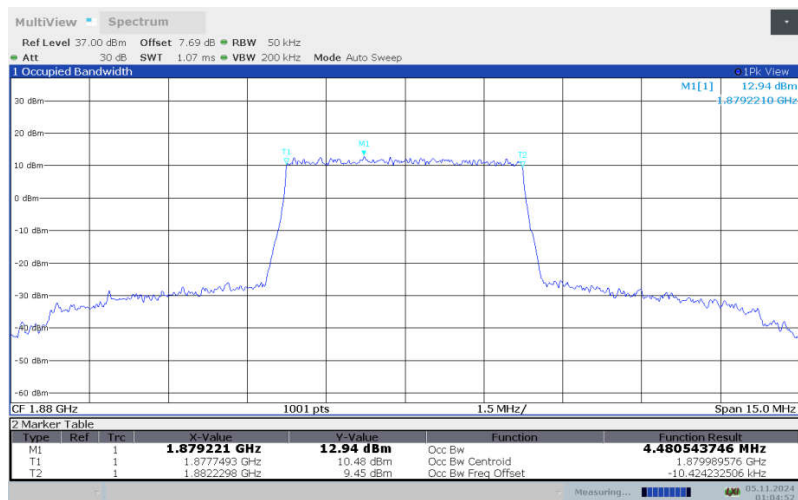
**LTE band 2,5MHz(99% OBW)**

Frequency (MHz)	Occupied Bandwidth (99% OBW)(MHz)		
	QPSK	16QAM	64QAM
1852.5	4.480	4.469	4.468
1880	4.481	4.482	4.474
1907.5	4.462	4.472	4.464

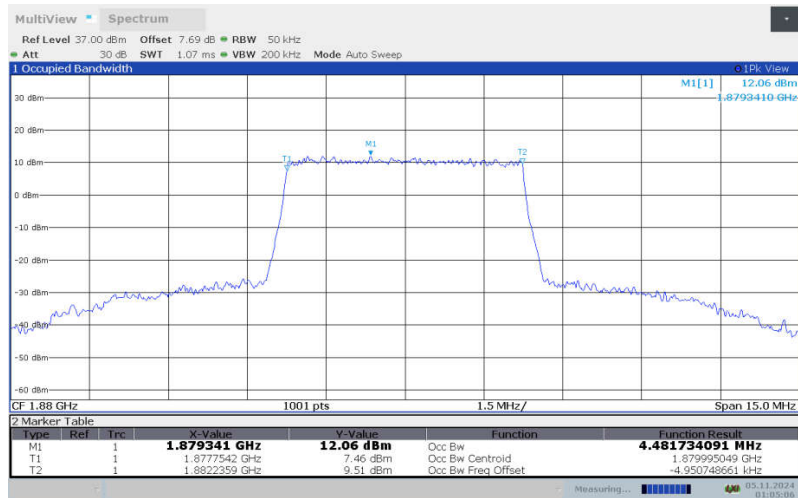
LTE band 2 , 5MHz Bandwidth, LOW, QPSK (99% BW)**LTE band 2 , 5MHz Bandwidth, LOW, 16QAM (99% BW)****LTE band 2 , 5MHz Bandwidth, LOW, 64QAM (99% BW)**



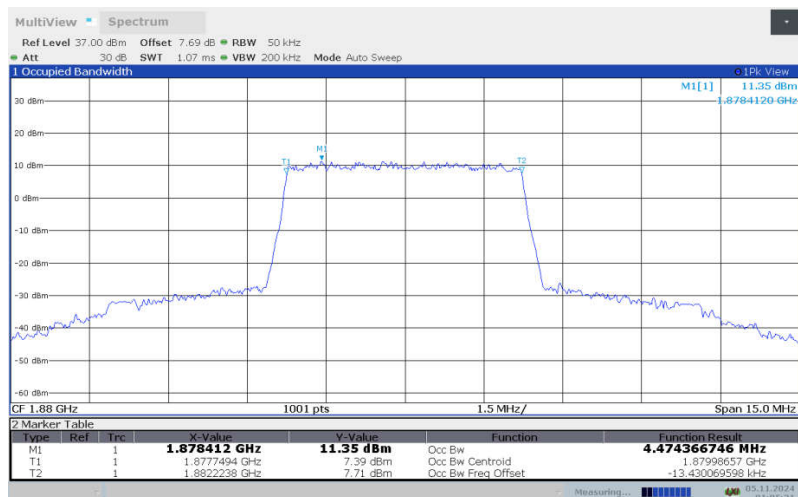
LTE band 2 , 5MHz Bandwidth, MID, QPSK (99% BW)



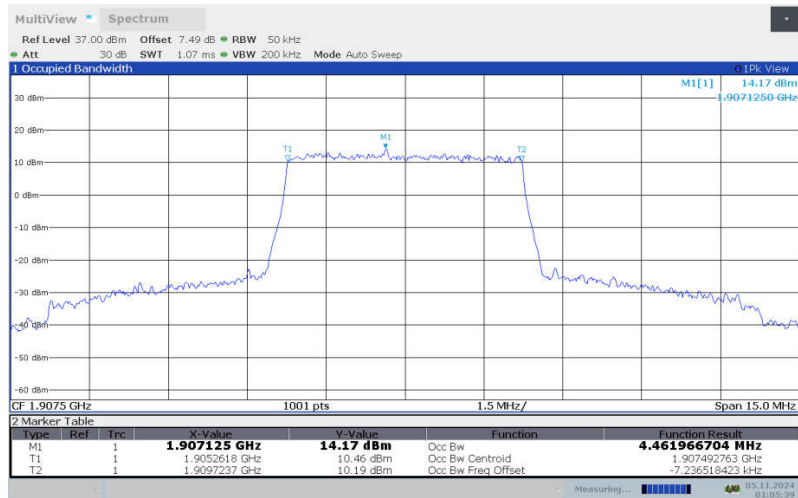
LTE band 2 , 5MHz Bandwidth, MID, 16QAM (99% BW)



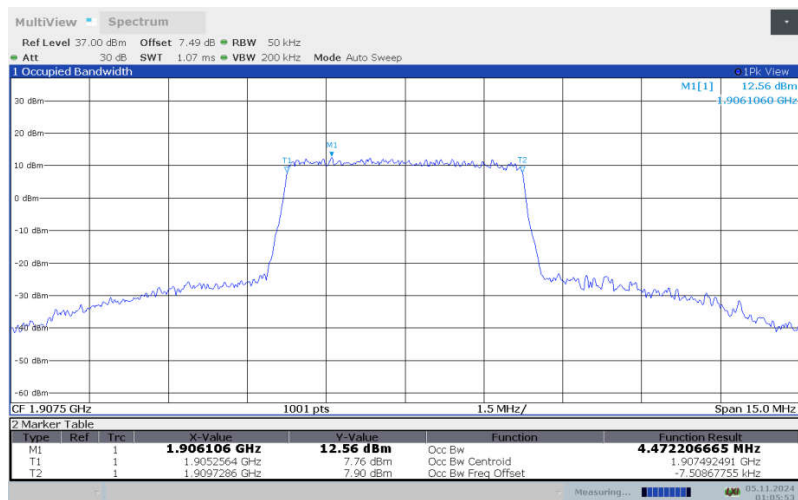
LTE band 2 , 5MHz Bandwidth, MID, 64QAM (99% BW)



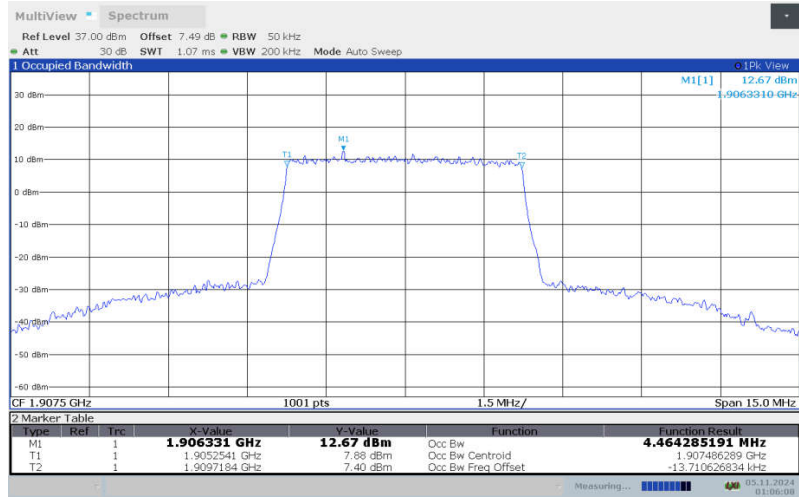
LTE band 2 , 5MHz Bandwidth, HIGH, QPSK (99% BW)



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

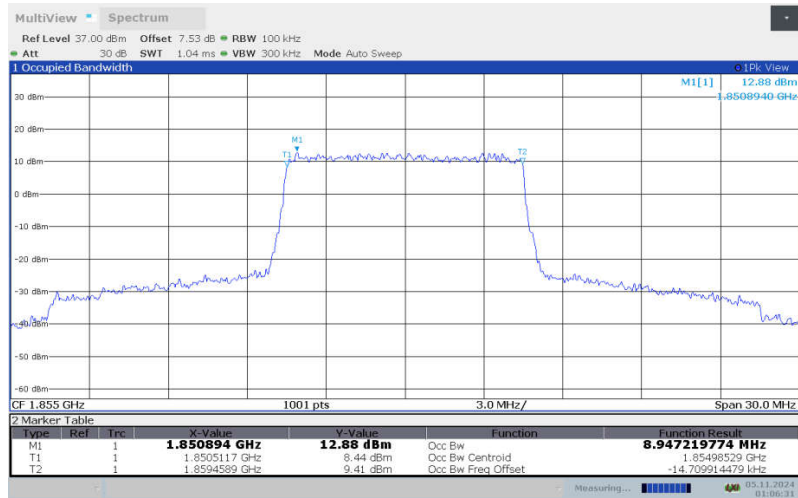
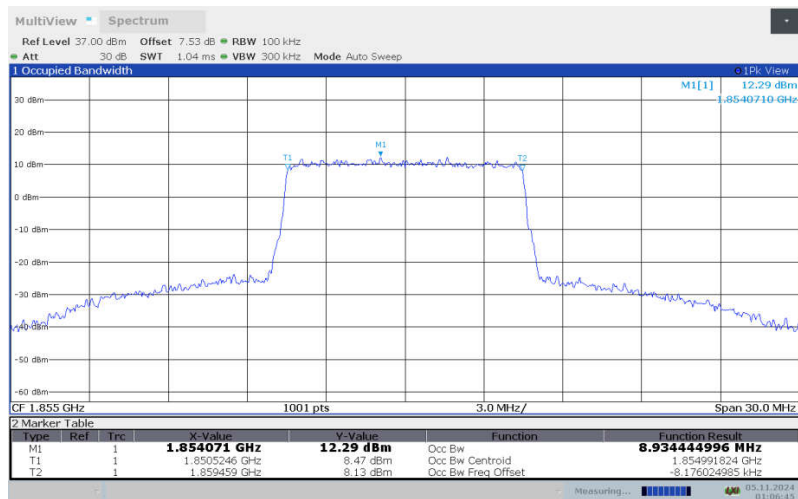


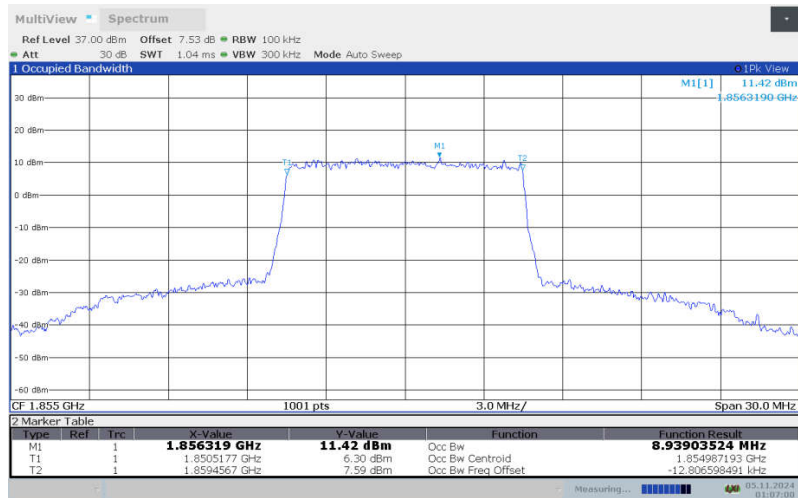
LTE band 2 , 5MHz Bandwidth, HIGH, 64QAM (99% BW)



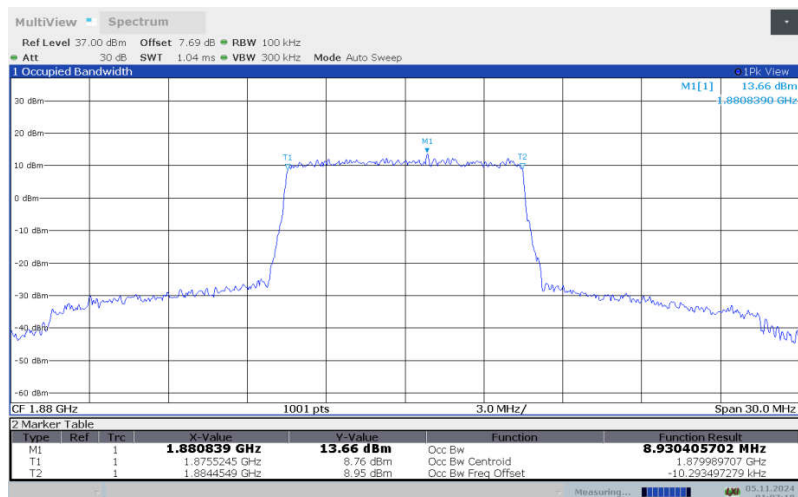
**LTE band 2,10MHz(99% OBW)**

Frequency (MHz)	Occupied Bandwidth (99% OBW)(MHz)		
	QPSK	16QAM	64QAM
1855	8.947	8.934	8.939
1880	8.930	8.929	8.920
1905	8.930	8.922	8.937

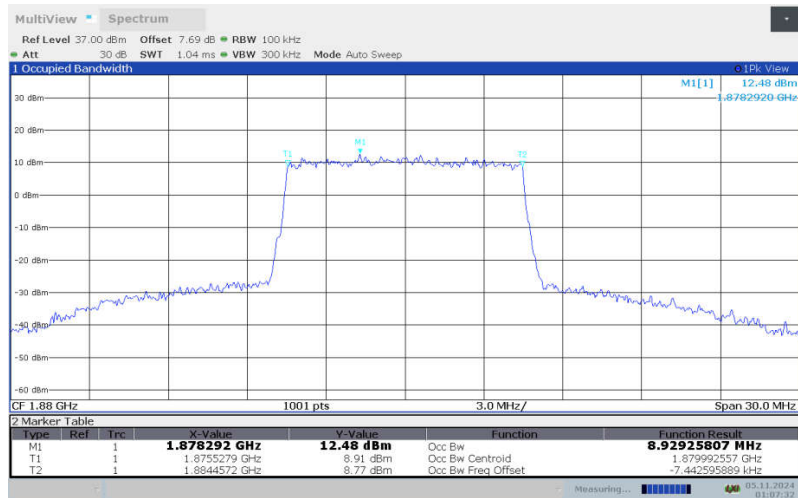
LTE band 2 , 10MHz Bandwidth, LOW, QPSK (99% BW)**LTE band 2 , 10MHz Bandwidth, LOW, 16QAM (99% BW)****LTE band 2 , 10MHz Bandwidth, LOW, 64QAM (99% BW)**



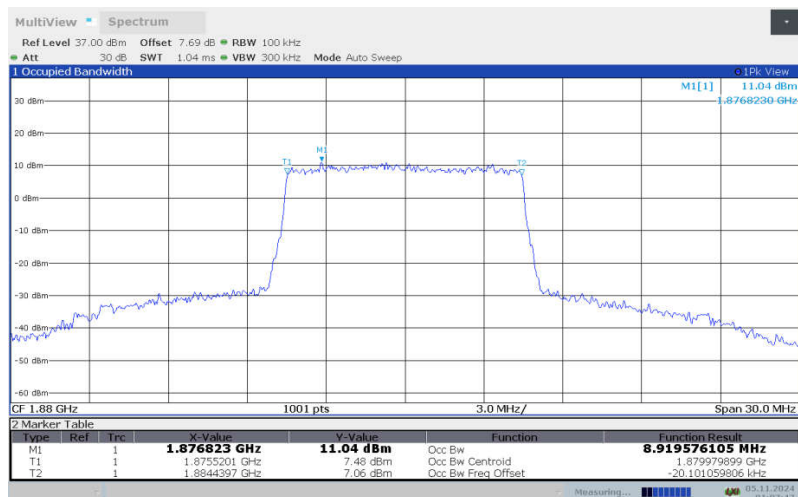
LTE band 2 , 10MHz Bandwidth, MID, QPSK (99% BW)



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



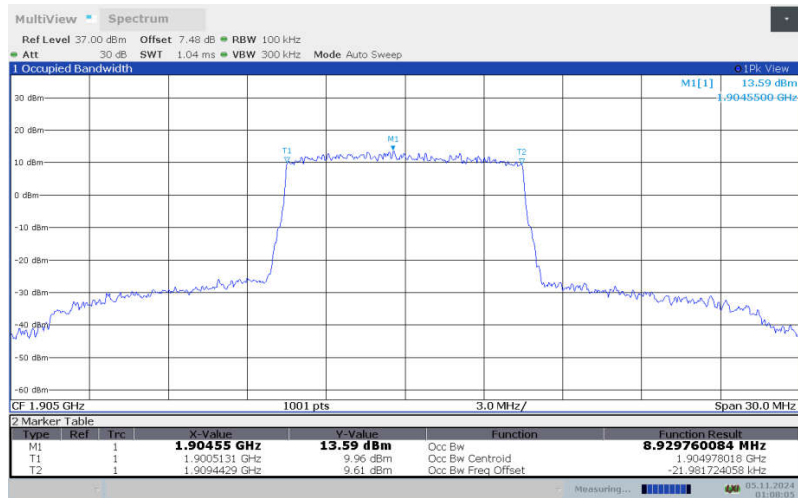
LTE band 2 , 10MHz Bandwidth, MID, 64QAM (99% BW)



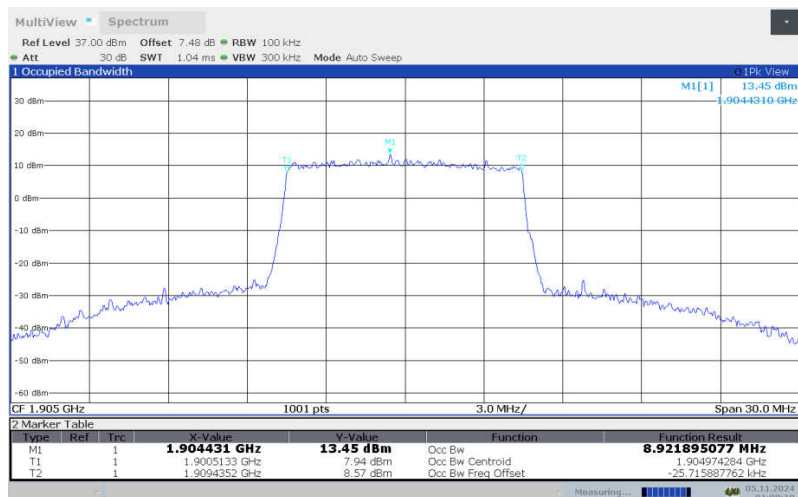
LTE band 2 , 10MHz Bandwidth, HIGH, QPSK (99% BW)



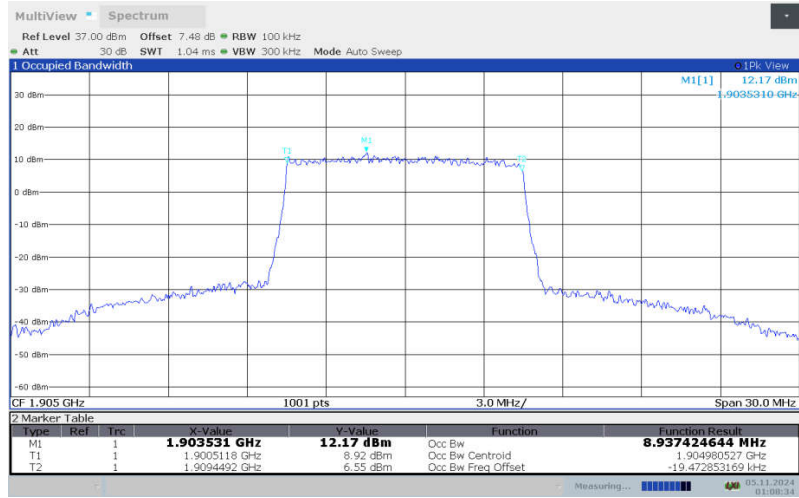
No.25T04N000894-008-RF LTE



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

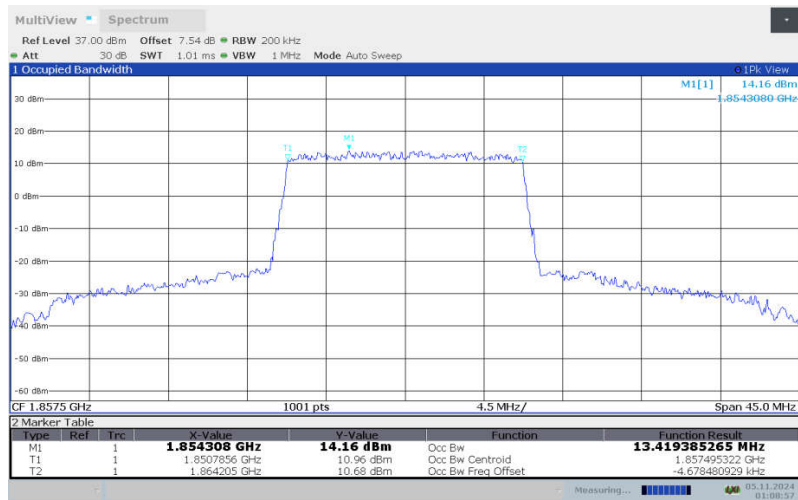
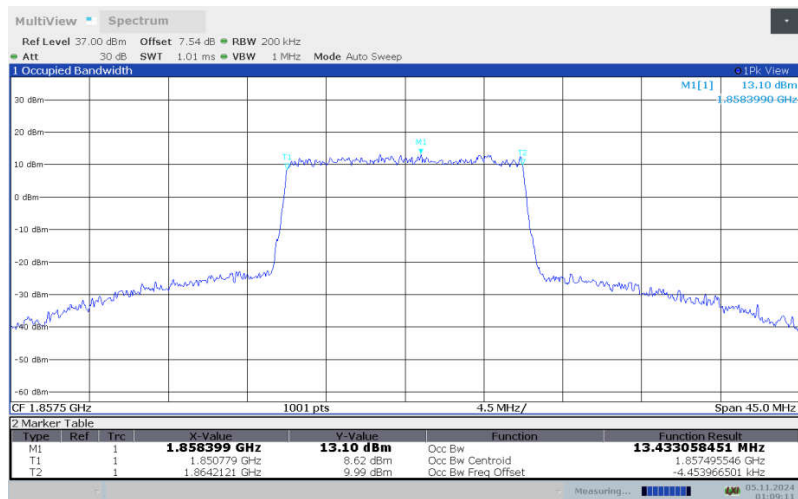


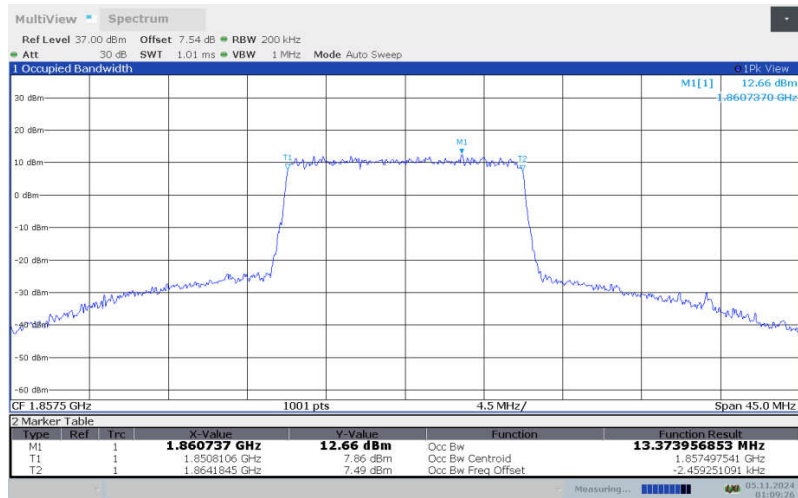
LTE band 2 , 10MHz Bandwidth, HIGH, 64QAM (99% BW)



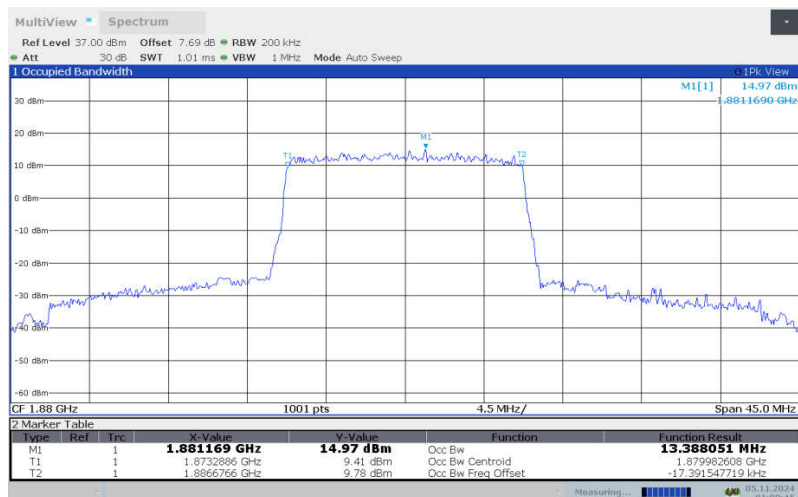
**LTE band 2,15MHz(99% OBW)**

Frequency (MHz)	Occupied Bandwidth (99% OBW)(MHz)		
	QPSK	16QAM	64QAM
1857.5	13.419	13.433	13.374
1880	13.388	13.413	13.397
1902.5	13.396	13.348	13.400

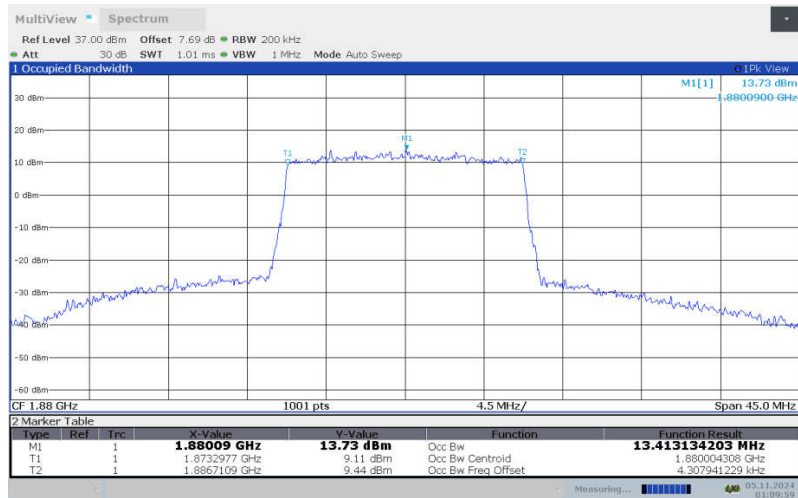
LTE band 2 , 15MHz Bandwidth, LOW, QPSK (99% BW)**LTE band 2 , 15MHz Bandwidth, LOW, 16QAM (99% BW)****LTE band 2 , 15MHz Bandwidth, LOW, 64QAM (99% BW)**



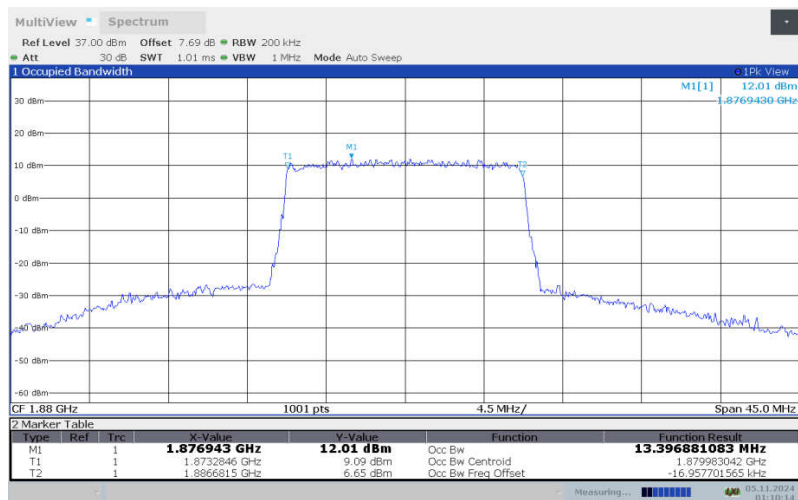
LTE band 2 , 15MHz Bandwidth, MID, QPSK (99% BW)



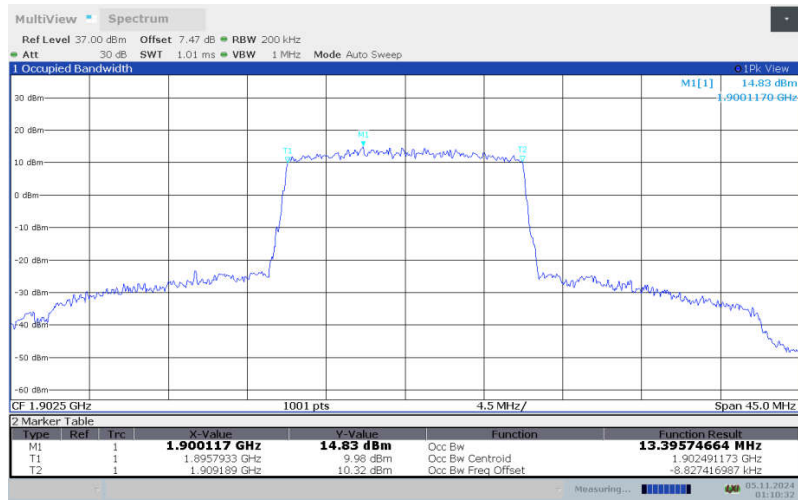
LTE band 2 , 15MHz Bandwidth, MID, 16QAM (99% BW)



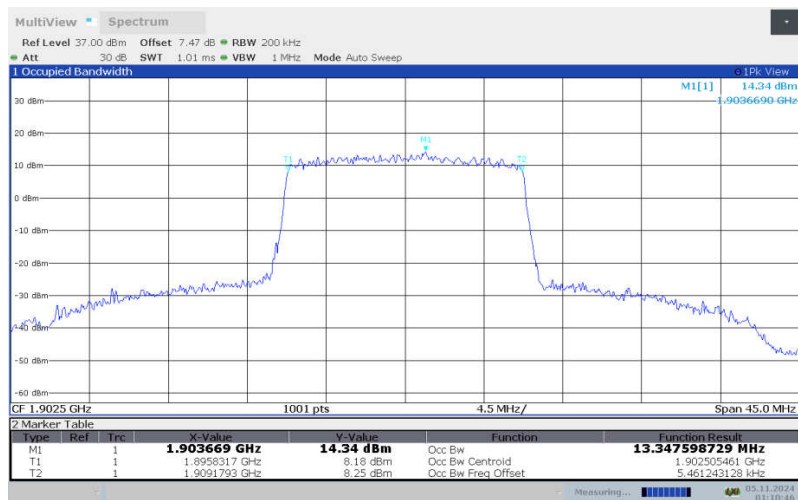
LTE band 2 , 15MHz Bandwidth, MID, 64QAM (99% BW)



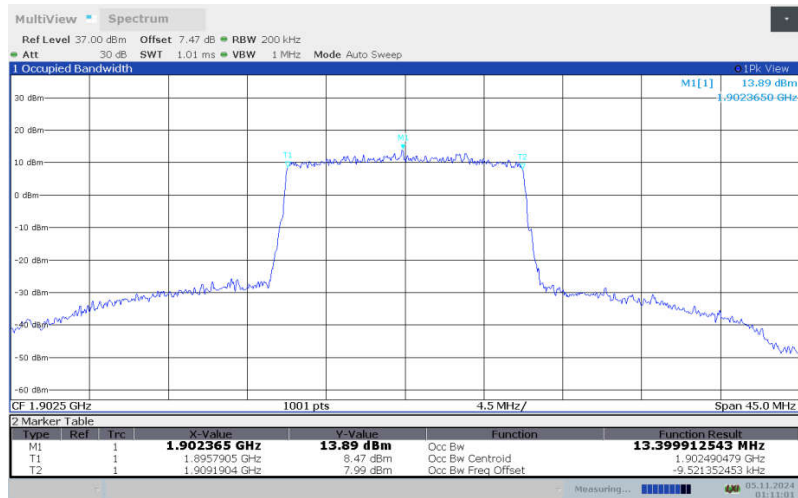
LTE band 2 , 15MHz Bandwidth, HIGH, QPSK (99% BW)



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

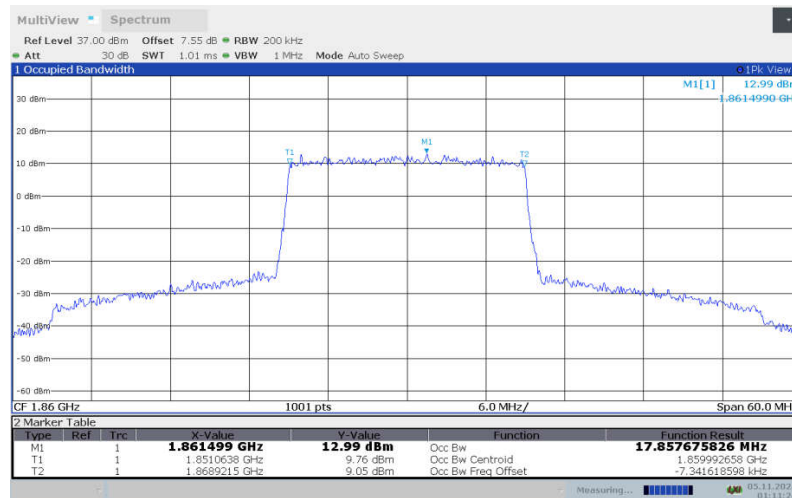
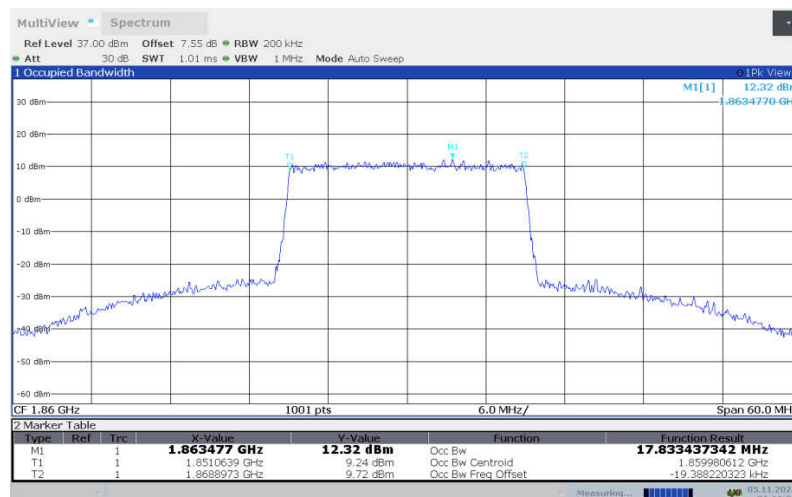


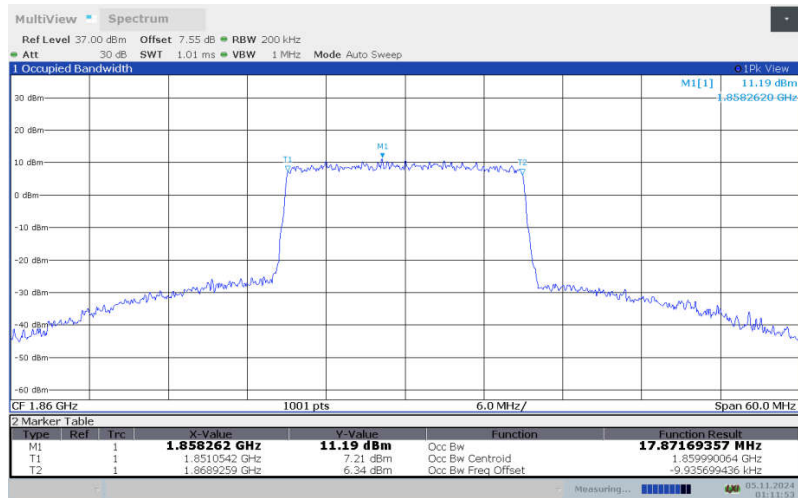
LTE band 2 , 15MHz Bandwidth, HIGH, 64QAM (99% BW)



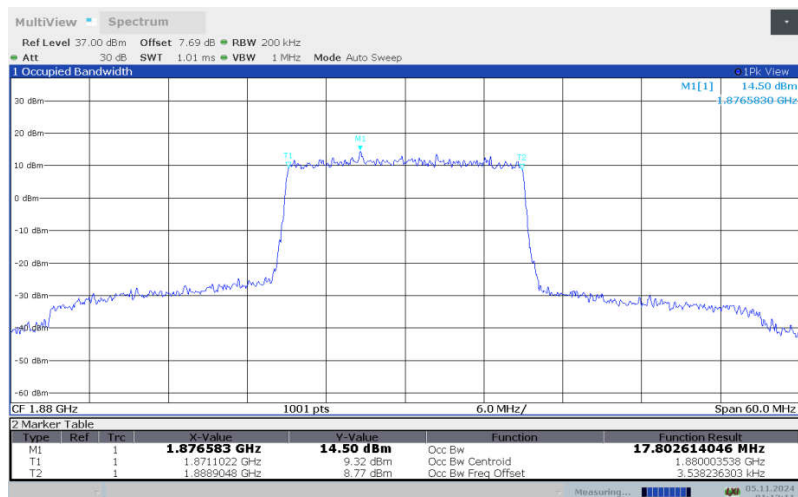
**LTE band 2,20MHz(99% OBW)**

Frequency (MHz)	Occupied Bandwidth (99% OBW)(MHz)		
	QPSK	16QAM	64QAM
1860	17.858	17.833	17.872
1880	17.803	17.861	17.776
1900	17.818	17.775	17.840

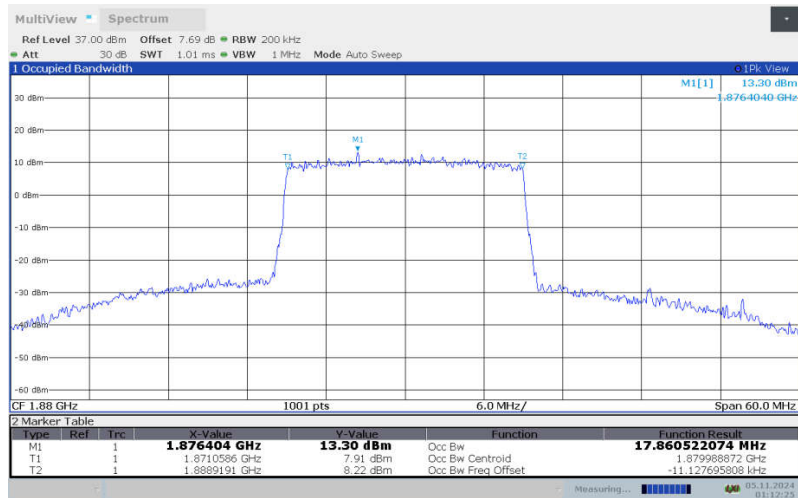
LTE band 2 , 20MHz Bandwidth, LOW, QPSK (99% BW)**LTE band 2 , 20MHz Bandwidth, LOW, 16QAM (99% BW)****LTE band 2 , 20MHz Bandwidth, LOW, 64QAM (99% BW)**



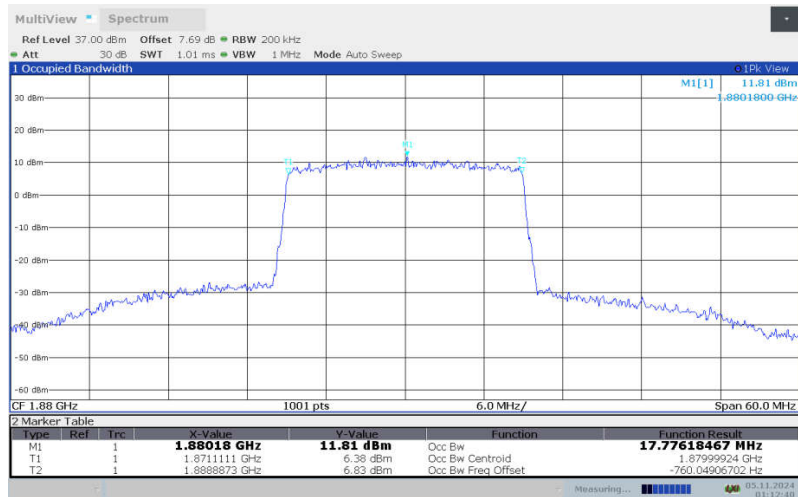
LTE band 2 , 20MHz Bandwidth, MID, QPSK (99% BW)



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



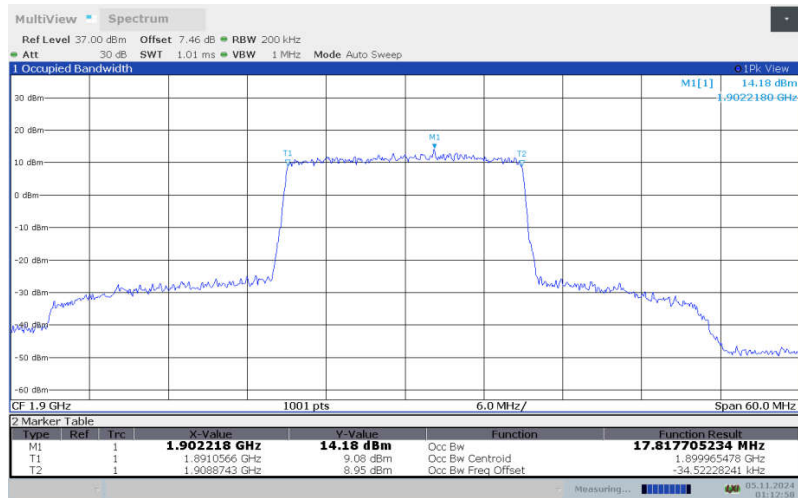
LTE band 2 , 20MHz Bandwidth, MID, 64QAM (99% BW)



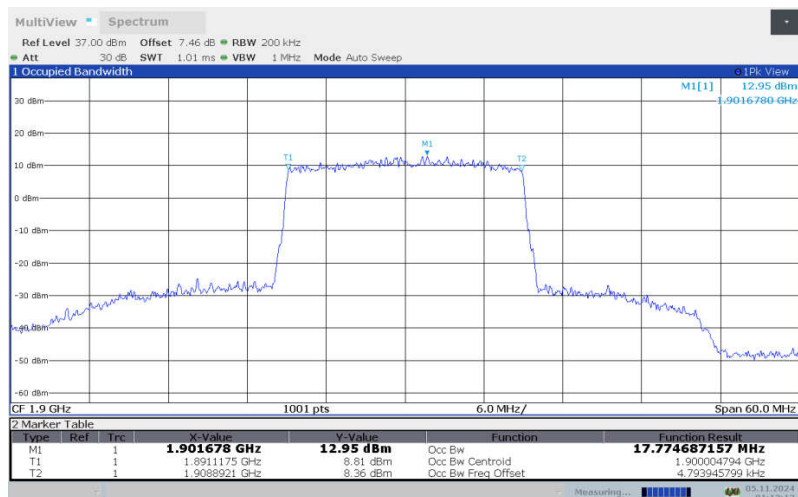
LTE band 2 , 20MHz Bandwidth, HIGH, QPSK (99% BW)



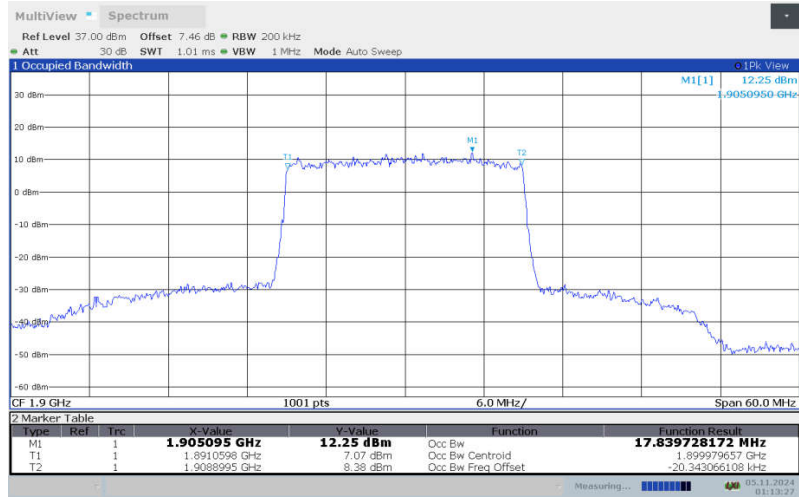
No.25T04N000894-008-RF LTE



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

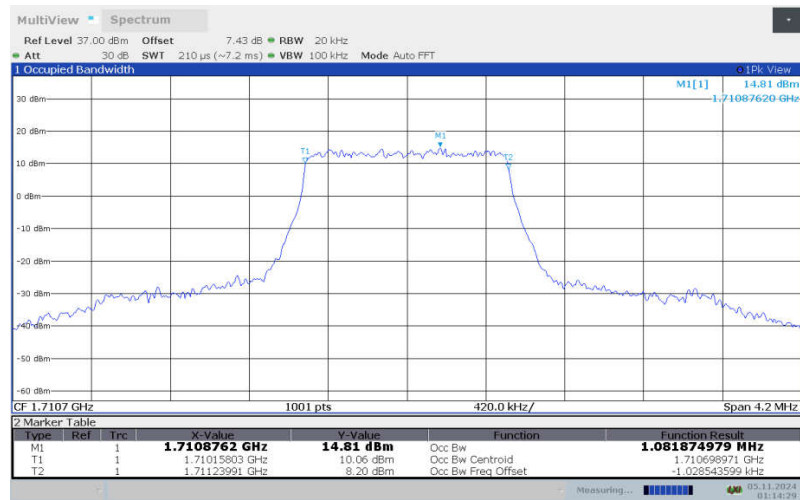
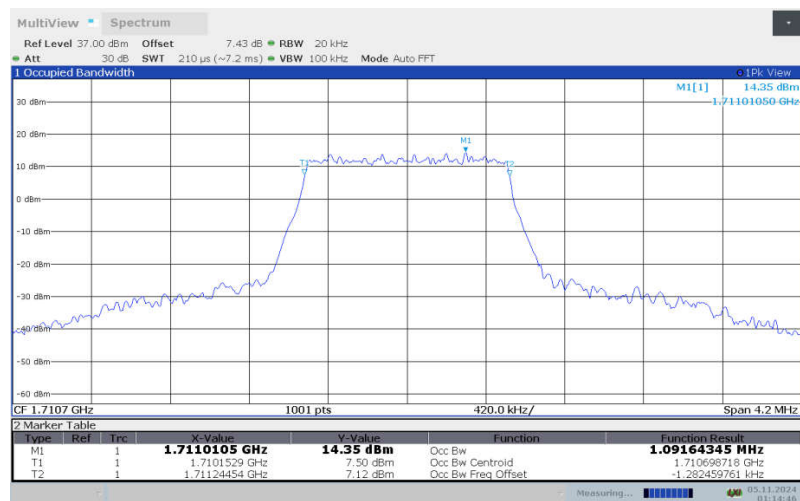


LTE band 2 , 20MHz Bandwidth, HIGH, 64QAM (99% BW)



**LTE band 4,1.4MHz(99% OBW)**

Frequency (MHz)	Occupied Bandwidth (99% OBW)(MHz)		
	QPSK	16QAM	64QAM
1710.7	1.082	1.092	1.083
1732.5	1.090	1.086	1.092
1754.3	1.094	1.083	1.084

LTE band 4 , 1.4MHz Bandwidth, LOW, QPSK (99% BW)**LTE band 4 , 1.4MHz Bandwidth, LOW, 16QAM (99% BW)****LTE band 4 , 1.4MHz Bandwidth, LOW, 64QAM (99% BW)**