



TEST REPORT

No.24T04N002827-005-RF LTE

for

Realme Chongqing Mobile Telecommunications Corp., Ltd.

Mobile Phone

Model Name: RMX5020

FCC ID: 2AUYFRMX5020

with

Hardware Version: 11

Software Version: realme UI 6.0

Issued Date: 2025-01-06

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.24T04N002827-005-RF LTE

REPORT HISTORY

Report Number	Revision	Description	Issue Date
24T04N002827-005-RF LTE	Rev.0	1st edition	2025-01-06



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	13
8. TEST EQUIPMENTS UTILIZED.....	14
ANNEX A: MEASUREMENT RESULTS	15
A.1 OUTPUT POWER.....	15
A.2 FIELD STRENGTH OF SPURIOUS RADIATION	94
A.3 FREQUENCY STABILITY	156
A.4 OCCUPIED BANDWIDTH.....	163
A.5 EMISSION BANDWIDTH	389
A.6 BAND EDGE COMPLIANCE	615
A.7 CONDUCTED SPURIOUS EMISSION	636
A.8 PEAK-TO-AVERAGE POWER RATIO.....	643
ANNEX B: ACCREDITATION CERTIFICATE	874



1. SUMMARY OF TEST REPORT

1.1. Test Items

Description	Mobile Phone
Model Name	RMX5020
Brand Name	realme
Applicant's name	Realme Chongqing Mobile Telecommunications Corp., Ltd.
Manufacturer's Name	Realme Chongqing Mobile Telecommunications Corp., Ltd.

1.2. Test Standards

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

1.3. Test Result

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

1.4. Testing Location

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

1.5. Project Data

Testing Start Date: 2024-11-26

Testing End Date: 2024-12-25

1.6. Signature

Wang Ping
(Prepared this test report)

Huang Qiuqin
(Reviewed this test report)

Zhang Hao
(Approved this test report)



2. CLIENT INFORMATION

2.1. Applicant Information

Company Name: Realme Chongqing Mobile Telecommunications Corp., Ltd.
Address /Post: No.178 Yulong Avenue, Yufengshan, Yubei District, Chongqing, China
Contact: HuangMinJiang
Email: mega@realme.com
Telephone: (86)18502096102
Fax: /

2.2. Manufacturer Information

Company Name: Realme Chongqing Mobile Telecommunications Corp., Ltd.
Address /Post: No.178 Yulong Avenue, Yufengshan, Yubei District, Chongqing, China
Contact: HuangMinJiang
Email: mega@realme.com
Telephone: (86)18502096102
Fax: /



3. EQUIPMENT UNDER TEST (EUT) AND ANCILLARY EQUIPMENT

(AE)

3.1. About EUT

Description	Mobile Phone
Model Name	RMX5020
FCC ID	2AUYFRMX5020
Frequency Bands	LTE Bands 2/4/5/7/13/26/38/41/66
Antenna	Integrated
Extreme vol. Limits	3.40V to 4.44V (nominal: 3.82V)
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
UT07aa	868617070019999	11	realme UI 6.0	2024-11-26
UT03aa	004180606955579	11	realme UI 6.0	2024-11-26

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

UT07aa are used for conduction test, UT03aa is used for radiation test.

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 RMX5020 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

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

LTE Band 4

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

**LTE Band 5**

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

LTE Band 7

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

**LTE Band 13**

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

LTE Band 26(814MHz-824MHz)

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

LTE Band 26(824MHz-849MHz)

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

**LTE Band 38**

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

LTE Band 41

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

LTE Band 66

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



No.24T04N002827-005-RF LTE

7. STATEMENT

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

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

**8. TEST EQUIPMENTS UTILIZED**

No.	Description	Type	Manufacture	Series Number	Cal Due Date
1	Test Receiver	ESR7	R&S	101676	2025-11-21
2	BiLog Antenna	3142E	ETS-Lindgren	00224831	2027-10-23
3	Horn Antenna	3117	ETS-Lindgren	00066577	2025-04-17
4	Horn Antenna	QSH-SL-18-2 6-S-20	Q-par	17013	2026-02-01
5	Antenna	BBHA 9120D	Schwarzbeck	1593	2025-10-24
6	Antenna	QWH-SL-18-4 0-K-SG	Q-par	15979	2026-01-30
7	preamplifier	83017A	Agilent	MY39501110	/
8	Signal Generator	SMB100A	R&S	179725	2025-11-21
9	Fully Anechoic Chamber	FACT3-2.0	ETS-Lindgren	1285	2025-05-28
10	Spectrum Analyzer	FSV40	R&S	101192	2025-01-12
11	Universal Radio Communication Tester	CMU200	R&S	114545	2025-01-12
12	Universal Radio Communication Tester	CMW500	R&S	152499	2025-07-11
13	Universal Radio Communication Tester	E7515B	Keysight	MY59322022	2025-02-12
14	Software	EMC32	R&S	V10.50.40	/
15	Power Supply	HMC8042	R&S	103284	2025-05-07
16	Universal Radio Communication Tester	CMW500	R&S	129146	2025-04-10
17	Spectrum Analyzer	FSW26	R&S	102197	2025-05-07
18	Temperature Chamber	SH-241	ESPEC	92007516	2025-05-07

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	22.45	21.59	20.43
		1880.0	22.55	21.55	20.87
		1850.7	22.68	21.90	21.14
	1 RB low	1909.3	22.41	21.57	20.46
		1880.0	22.61	21.50	20.94
		1850.7	22.75	21.90	21.13
	50% RB mid	1909.3	22.48	21.53	20.60
		1880.0	22.70	21.81	20.88
		1850.7	22.81	21.97	20.81
	100% RB	1909.3	21.53	20.40	19.27
		1880.0	21.65	20.68	19.55
		1850.7	21.83	20.85	19.62
3MHz	1 RB high	1908.5	22.51	21.72	20.54
		1880.0	22.70	21.62	21.03
		1851.5	22.66	21.91	20.74
	1 RB low	1908.5	22.50	21.70	20.54
		1880.0	22.72	21.60	20.95
		1851.5	22.72	21.95	20.75
	50% RB mid	1908.5	21.62	20.61	19.52
		1880.0	21.75	20.70	19.74
		1851.5	21.74	20.86	19.83
	100% RB	1908.5	21.55	20.52	19.44
		1880.0	21.69	20.63	19.62



Bandwidth	RB size/offset	Frequency(MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
5MHz	1 RB high	1851.5	21.72	20.79	19.79
		1907.5	22.49	21.70	21.08
		1880.0	22.73	21.77	21.06
		1852.5	22.66	21.72	20.58
	1 RB low	1907.5	22.55	21.72	21.06
		1880.0	22.68	21.72	20.96
		1852.5	22.70	21.79	20.72
	50% RB mid	1907.5	21.63	20.74	19.56
		1880.0	21.77	20.82	19.90
		1852.5	21.79	20.86	19.79
	100% RB	1907.5	21.60	20.61	19.50
		1880.0	21.78	20.84	19.73
		1852.5	21.78	20.80	19.81
10MHz	1 RB high	1905.0	22.52	21.75	20.58
		1880.0	22.79	21.72	21.08
		1855.0	22.60	21.85	20.62
	1 RB low	1905.0	22.60	21.85	20.70
		1880.0	22.73	21.63	20.96
		1855.0	22.72	21.97	20.78
	50% RB mid	1905.0	21.62	20.73	19.58
		1880.0	21.80	20.86	19.85
		1855.0	21.68	20.77	19.78
	100% RB	1905.0	21.68	20.71	19.65
		1880.0	21.85	20.82	19.81
		1855.0	21.75	20.80	19.74
15MHz	1 RB high	1902.5	22.48	21.78	20.73
		1880.0	22.74	21.63	20.95
		1857.5	22.45	21.71	20.47
	1 RB low	1902.5	22.59	21.92	20.91
		1880.0	22.58	21.54	20.86
		1857.5	22.65	21.87	20.64
	50% RB mid	1902.5	21.70	20.73	19.62
		1880.0	21.80	20.77	19.83
		1857.5	21.71	20.66	19.71
	100% RB	1902.5	21.72	20.69	19.68
		1880.0	21.80	20.76	19.81
		1857.5	21.67	20.64	19.63
20MHz	1 RB high	1900.0	22.31	21.49	20.56



Bandwidth	RB size/offset	Frequency(MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
		1880.0	22.48	21.56	20.48
		1860.0	22.39	21.48	20.73
		1900.0	22.49	21.77	20.77
	1 RB low	1880.0	22.32	21.50	20.38
		1860.0	22.56	21.54	20.92
		1900.0	21.67	20.76	19.69
	50% RB mid	1880.0	21.80	20.82	19.82
		1860.0	21.60	20.64	19.57
		1900.0	21.67	20.72	19.72
	100% RB	1880.0	21.76	20.75	19.80
		1860.0	21.70	20.64	19.52
		1900.0	21.67	20.72	19.72

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	22.69	21.78	21.08
		1732.5	22.79	21.95	20.79
		1710.7	22.83	21.74	21.12
	1 RB low	1754.3	22.71	21.77	21.09
		1732.5	22.82	21.97	20.84
		1710.7	22.84	21.75	21.08
	50% RB mid	1754.3	22.85	21.89	20.79
		1732.5	22.93	21.91	21.01
		1710.7	22.94	22.07	21.09
	100% RB	1754.3	21.71	20.80	19.60
		1732.5	21.86	20.77	19.69
		1710.7	21.84	20.89	19.81
3MHz	1 RB high	1753.5	22.76	21.93	20.81
		1732.5	22.83	21.76	21.13
		1711.5	22.89	22.08	20.95
	1 RB low	1753.5	22.67	21.87	20.72
		1732.5	22.92	21.79	21.19
		1711.5	22.79	22.03	20.80
	50% RB mid	1753.5	21.76	20.77	19.78
		1732.5	21.91	20.90	19.97
		1711.5	21.91	21.03	19.99
	100% RB	1753.5	21.73	20.66	19.73
		1732.5	21.88	20.78	19.81
		1711.5	21.87	20.94	19.98
5MHz	1 RB high	1752.5	22.71	21.97	21.31
		1732.5	22.81	21.82	21.14
		1712.5	22.90	21.93	20.83
	1 RB low	1752.5	22.52	21.80	21.12
		1732.5	22.87	21.89	21.17
		1712.5	22.81	21.84	20.77
	50% RB mid	1752.5	21.79	20.93	19.70
		1732.5	21.93	20.94	20.03
		1712.5	21.94	21.03	19.95
	100% RB	1752.5	21.79	20.72	19.67
		1732.5	21.84	20.97	19.87
		1712.5	21.96	20.99	19.97
10MHz	1 RB high	1750.0	22.60	21.79	20.66
		1732.5	22.71	21.62	21.00
		1715.0	22.88	22.16	20.88
	1 RB low	1750.0	22.52	21.63	20.58



Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
		1732.5	22.86	21.82	21.15
		1715.0	22.73	22.00	20.78
		1750.0	21.56	20.70	19.52
	50% RB mid	1732.5	21.85	20.84	19.81
		1715.0	21.95	20.98	20.01
		1750.0	21.70	20.70	19.61
	100% RB	1732.5	21.87	20.89	19.81
		1715.0	21.95	21.00	19.95
		1750.0	21.70	20.70	19.61
15MHz	1 RB high	1747.5	22.57	21.83	20.88
		1732.5	22.64	21.52	20.84
		1717.5	22.77	22.03	20.85
	1 RB low	1747.5	22.47	21.69	20.69
		1732.5	22.84	21.77	21.13
		1717.5	22.67	21.88	20.72
	50% RB mid	1747.5	21.61	20.61	19.53
		1732.5	21.88	20.81	19.91
		1717.5	21.94	20.95	20.03
	100% RB	1747.5	21.65	20.59	19.60
		1732.5	21.89	20.86	19.85
		1717.5	21.92	20.92	20.03
20MHz	1 RB high	1745.0	22.43	21.63	20.68
		1732.5	22.31	21.42	20.35
		1720.0	22.59	21.64	20.94
	1 RB low	1745.0	22.40	21.57	20.67
		1732.5	22.63	21.75	20.72
		1720.0	22.59	21.66	20.96
	50% RB mid	1745.0	21.56	20.61	19.60
		1732.5	21.81	20.86	19.87
		1720.0	21.94	20.93	20.00
	100% RB	1745.0	21.47	20.57	19.53
		1732.5	21.78	20.83	19.79
		1720.0	21.96	20.95	19.95

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	23.49	22.61	21.56
		836.5	23.41	22.32	21.69
		824.7	23.73	22.89	22.08
	1 RB low	848.3	23.48	22.57	21.51
		836.5	23.39	22.39	21.68
		824.7	23.82	22.89	22.13
	50% RB mid	848.3	23.61	22.56	21.68
		836.5	23.49	22.55	21.73
		824.7	23.82	22.98	21.85
	100% RB	848.3	22.60	21.51	20.41
		836.5	22.52	21.52	20.41
		824.7	22.83	21.87	20.65
3MHz	1 RB high	847.5	23.54	22.60	21.58
		836.5	23.39	22.37	21.75
		825.5	23.65	22.85	21.68
	1 RB low	847.5	23.49	22.65	21.53
		836.5	23.47	22.37	21.69
		825.5	23.74	22.90	21.74
	50% RB mid	847.5	22.57	21.56	20.53
		836.5	22.48	21.44	20.49
		825.5	22.77	21.91	20.78
	100% RB	847.5	22.48	21.48	20.43
		836.5	22.44	21.38	20.39
		825.5	22.73	21.73	20.75
5MHz	1 RB high	846.5	23.46	22.77	22.03
		836.5	23.38	22.41	21.69
		826.5	23.64	22.65	21.58
	1 RB low	846.5	23.42	22.60	21.94
		836.5	23.43	22.48	21.76
		826.5	23.70	22.75	21.66
	50% RB mid	846.5	22.51	21.66	20.44
		836.5	22.49	21.50	20.50
		826.5	22.75	21.78	20.73
	100% RB	846.5	22.50	21.46	20.44
		836.5	22.50	21.55	20.46
		826.5	22.73	21.74	20.67
10MHz	1 RB high	844.0	23.45	22.61	21.51
		836.5	23.40	22.38	21.70
		829.0	23.46	22.67	21.45
	1 RB low	844.0	23.44	22.63	21.49



Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
		836.5	23.53	22.50	21.82
		829.0	23.65	22.87	21.68
		844.0	22.53	21.53	20.40
	50% RB mid	836.5	22.55	21.54	20.42
		829.0	22.65	21.68	20.65
		844.0	22.52	21.52	20.46
	100% RB	836.5	22.50	21.57	20.49
		829.0	22.68	21.65	20.60

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	22.49	21.48	20.72
		2535.0	21.94	20.96	19.83
		2502.5	22.43	21.58	20.94
	1 RB low	2567.5	22.46	21.41	20.68
		2535.0	21.94	20.96	19.87
		2502.5	22.36	21.56	20.88
	50% RB mid	2567.5	21.55	20.55	19.60
		2535.0	21.03	20.07	18.99
		2502.5	21.41	20.53	19.35
	100% RB	2567.5	21.52	20.53	19.47
		2535.0	21.05	20.03	19.05
		2502.5	21.46	20.46	19.34
10MHz	1 RB high	2565.0	22.48	21.66	20.48
		2535.0	22.07	20.94	20.27
		2505.0	22.43	21.63	20.39
	1 RB low	2565.0	22.39	21.59	20.40
		2535.0	21.99	20.94	20.29
		2505.0	22.41	21.57	20.40
	50% RB mid	2565.0	21.48	20.52	19.40
		2535.0	21.06	20.03	18.97
		2505.0	21.50	20.52	19.48
	100% RB	2565.0	21.47	20.50	19.47
		2535.0	21.05	20.06	19.03
		2505.0	21.49	20.49	19.45
15MHz	1 RB high	2562.5	22.46	21.66	20.69
		2535.0	22.03	20.90	20.23
		2507.5	22.25	21.48	20.18
	1 RB low	2562.5	22.21	21.48	20.42
		2535.0	22.01	20.85	20.20
		2507.5	22.38	21.52	20.39
	50% RB mid	2562.5	21.54	20.54	19.47
		2535.0	21.10	20.06	19.13
		2507.5	21.58	20.53	19.54
	100% RB	2562.5	21.57	20.48	19.50
		2535.0	21.15	20.06	19.09
		2507.5	21.56	20.51	19.48
20MHz	1 RB high	2560.0	22.33	21.49	20.56



Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
		2535.0	21.78	20.83	19.76
		2510.0	22.17	21.15	20.34
		2560.0	22.05	21.17	20.25
	1 RB low	2535.0	21.77	20.85	19.74
		2510.0	22.35	21.35	20.61
		2560.0	21.44	20.50	19.46
	50% RB mid	2535.0	21.03	20.07	19.06
		2510.0	21.47	20.47	19.48
		2560.0	21.37	20.35	19.39
	100% RB	2535.0	21.00	20.04	19.05
		2510.0	21.43	20.45	19.44
		2560.0	21.37	20.35	19.39

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



LTE Band 13

Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
5MHz	1 RB high	784.5	23.30	22.51	21.93
		782.0	23.31	22.36	21.70
		779.5	23.41	22.51	21.41
	1 RB low	784.5	23.31	22.55	21.90
		782.0	23.47	22.52	21.78
		779.5	23.51	22.47	21.43
	50% RB mid	784.5	22.41	21.50	20.42
		782.0	22.51	21.49	20.67
		779.5	22.57	21.56	20.59
	100% RB	784.5	22.38	21.37	20.34
		782.0	22.43	21.50	20.49
		779.5	22.56	21.57	20.58
10MHz	1 RB high	782.0	23.33	22.57	21.32
	1 RB low	782.0	23.31	22.53	21.41
	50% RB mid	782.0	23.37	22.55	21.36
	100% RB	782.0	23.49	22.65	21.43

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

**LTE Band 26(814MHz-824MHz)**

Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
1.4MHz	1 RB high	823.3	23.67	22.61	21.94
		819.0	23.69	22.84	22.06
		814.7	23.70	22.82	21.73
	1 RB low	823.3	23.66	22.59	21.96
		819.0	23.67	22.80	22.08
		814.7	23.67	22.86	21.70
	50% RB mid	823.3	23.76	22.83	21.96
		819.0	23.79	22.90	21.75
		814.7	23.80	22.75	21.85
	100% RB	823.3	22.75	21.74	20.67
		819.0	22.82	21.80	20.70
		814.7	22.77	21.67	20.63
3MHz	1 RB high	822.5	23.70	22.88	21.81
		819.0	23.75	22.74	22.08
		815.5	23.74	22.90	21.73
	1 RB low	822.5	23.73	22.93	21.79
		819.0	23.77	22.73	22.04
		815.5	23.74	22.88	21.68
	50% RB mid	822.5	22.80	21.78	20.79
		819.0	22.84	21.79	20.84
		815.5	22.82	21.88	20.90
	100% RB	822.5	22.74	21.69	20.74
		819.0	22.78	21.70	20.72
		815.5	22.74	21.76	20.82
5MHz	1 RB high	821.5	23.69	22.95	22.29
		819.0	23.69	22.74	22.07
		816.5	23.70	22.73	21.68
	1 RB low	821.5	23.69	22.91	22.23
		819.0	23.73	22.73	22.01
		816.5	23.64	22.68	21.60
	50% RB mid	821.5	22.84	21.92	20.77
		819.0	22.84	21.80	20.98
		816.5	22.83	21.88	20.86
	100% RB	821.5	22.77	21.79	20.80
		819.0	22.75	21.86	20.83
		816.5	22.78	21.81	20.83



Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
10MHz	1 RB high	819.0	23.69	22.90	21.69
		819.0	23.69	22.89	21.72
		819.0	23.71	22.92	21.74
	1 RB low	819.0	23.67	22.86	21.68
		821.5	23.70	22.86	21.66
		819.0	23.67	22.92	21.68
	50% RB mid	816.5	22.75	21.80	20.82
		821.5	22.76	21.80	20.80
		819.0	22.78	21.78	20.80
	100% RB	816.5	22.77	21.76	20.75
		821.5	22.78	21.71	20.74
		819.0	22.74	21.73	20.74

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	23.38	22.54	21.40
		836.5	23.29	22.25	21.59
		824.7	23.58	22.75	22.02
	1 RB low	848.3	23.38	22.54	21.43
		836.5	23.27	22.23	21.56
		824.7	23.62	22.76	22.05
	50% RB mid	848.3	23.46	22.44	21.56
		836.5	23.34	22.43	21.56
		824.7	23.72	22.83	21.73
	100% RB	848.3	22.43	21.33	20.33
		836.5	22.36	21.37	20.33
		824.7	22.70	21.75	20.56
3MHz	1 RB high	847.5	23.41	22.56	21.46
		836.5	23.32	22.29	21.62
		825.5	23.63	22.77	21.57
	1 RB low	847.5	23.39	22.61	21.43
		836.5	23.40	22.32	21.59
		825.5	23.60	22.82	21.65
	50% RB mid	847.5	22.48	21.47	20.48
		836.5	22.44	21.33	20.42
		825.5	22.70	21.79	20.79
	100% RB	847.5	22.44	21.38	20.45
		836.5	22.36	21.33	20.30
		825.5	22.65	21.68	20.74
5MHz	1 RB high	846.5	23.36	22.64	21.95
		836.5	23.31	22.38	21.61
		826.5	23.49	22.56	21.49
	1 RB low	846.5	23.29	22.53	21.91
		836.5	23.37	22.37	21.62
		826.5	23.58	22.67	21.56
	50% RB mid	846.5	22.47	21.62	20.43
		836.5	22.42	21.43	20.58
		826.5	22.69	21.72	20.69
	100% RB	846.5	22.41	21.45	20.42
		836.5	22.40	21.45	20.44
		826.5	22.66	21.66	20.68
10MHz	1 RB high	844.0	23.33	22.54	21.40



Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
		836.5	23.23	22.24	21.54
		829.0	23.32	22.59	21.42
		844.0	23.35	22.54	21.42
	1 RB low	836.5	23.37	22.33	21.69
		829.0	23.54	22.77	21.57
		844.0	22.36	21.46	20.34
	50% RB mid	836.5	22.42	21.44	20.43
		829.0	22.58	21.58	20.59
		844.0	22.39	21.38	20.36
	100% RB	836.5	22.42	21.44	20.43
		829.0	22.55	21.56	20.58
		841.5	23.19	22.50	21.51
15MHz	1 RB high	836.5	23.19	22.16	21.51
		831.5	23.22	22.41	21.23
		841.5	23.25	22.57	21.57
	1 RB low	836.5	23.39	22.36	21.67
		831.5	23.43	22.66	21.49
		841.5	22.39	21.40	20.28
	50% RB mid	836.5	22.44	21.41	20.48
		831.5	22.56	21.54	20.63
		841.5	22.41	21.38	20.41
	100% RB	836.5	22.45	21.46	20.45
		831.5	22.51	21.46	20.47
		841.5	22.41	21.38	20.41

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	23.19	22.22	21.45
		2595.0	23.07	22.06	21.04
		2572.5	23.10	22.27	21.54
	1 RB low	2617.5	23.19	22.22	21.49
		2595.0	23.04	22.00	21.00
		2572.5	23.12	22.26	21.53
	50% RB mid	2617.5	22.30	21.22	20.32
		2595.0	22.16	21.19	20.09
		2572.5	22.12	21.18	20.04
	100% RB	2617.5	22.24	21.32	20.23
		2595.0	22.11	21.10	20.09
		2572.5	22.10	21.05	20.07
10MHz	1 RB high	2615.0	23.28	22.36	21.24
		2595.0	23.20	22.03	21.36
		2575.0	23.13	22.31	21.04
	1 RB low	2615.0	23.31	22.37	21.19
		2595.0	23.15	22.00	21.32
		2575.0	23.10	22.24	21.02
	50% RB mid	2615.0	22.38	21.40	20.26
		2595.0	22.17	21.15	20.11
		2575.0	22.15	21.13	20.16
	100% RB	2615.0	22.33	21.34	20.31
		2595.0	22.12	21.11	20.13
		2575.0	22.12	21.10	20.11
15MHz	1 RB high	2612.5	23.22	22.46	21.40
		2595.0	23.11	22.00	21.31
		2577.5	23.07	22.20	20.93
	1 RB low	2612.5	23.22	22.34	21.39
		2595.0	23.01	21.91	21.21
		2577.5	23.02	22.20	20.92
	50% RB mid	2612.5	22.43	21.38	20.28
		2595.0	22.27	21.12	20.24
		2577.5	22.26	21.13	20.21
	100% RB	2612.5	22.37	21.36	20.30
		2595.0	22.22	21.13	20.15
		2577.5	22.22	21.11	20.14



Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
20MHz	1 RB high	2610.0	22.76	21.92	20.91
		2595.0	22.57	21.54	20.46
		2580.0	22.51	21.54	20.75
	1 RB low	2610.0	23.10	22.23	21.21
		2595.0	22.83	21.77	20.70
		2580.0	22.94	21.92	21.19
	50% RB mid	2610.0	22.33	21.37	20.33
		2595.0	22.07	21.15	20.19
		2580.0	22.15	21.11	20.16
	100% RB	2610.0	22.30	21.27	20.28
		2595.0	22.06	21.03	20.11
		2580.0	22.09	21.09	20.11

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	22.96	21.73	21.51
		2593.0	23.14	21.63	21.39
		2498.5	22.61	21.13	20.61
	1 RB low	2687.5	22.93	21.66	21.47
		2593.0	23.10	21.61	21.39
		2498.5	22.55	21.05	20.54
	50% RB mid	2687.5	22.02	21.10	19.97
		2593.0	22.17	21.14	20.26
		2498.5	21.60	20.65	19.65
	100% RB	2687.5	22.02	21.02	20.01
		2593.0	22.12	21.13	20.16
		2498.5	21.55	20.60	19.64
10MHz	1 RB high	2685.0	23.06	21.65	20.99
		2593.0	23.18	21.57	21.38
		2501.0	22.70	21.33	20.58
	1 RB low	2685.0	22.97	21.56	20.92
		2593.0	23.20	21.56	21.39
		2501.0	22.62	21.23	20.44
	50% RB mid	2685.0	22.03	21.08	19.97
		2593.0	22.19	21.15	20.17
		2501.0	21.70	20.58	19.68
	100% RB	2685.0	22.04	21.06	20.02
		2593.0	22.17	21.14	20.16
		2501.0	21.64	20.60	19.62
15MHz	1 RB high	2682.5	23.01	21.76	21.24
		2593.0	23.11	21.51	21.32
		2503.5	22.76	21.38	20.60
	1 RB low	2682.5	22.93	21.65	21.11
		2593.0	23.11	21.52	21.35
		2503.5	22.56	21.17	20.39
	50% RB mid	2682.5	22.10	21.10	20.03
		2593.0	22.25	21.15	20.26
		2503.5	21.85	20.71	19.79



Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
	100% RB	2682.5	22.14	21.10	20.10
		2593.0	22.27	21.17	20.22
		2503.5	21.81	20.71	19.72
20MHz	1 RB high	2680.0	22.95	21.68	21.15
		2593.0	22.91	21.34	20.79
		2506.0	22.64	21.16	20.90
	1 RB low	2680.0	22.86	21.57	21.05
		2593.0	22.93	21.38	20.77
		2506.0	22.48	20.94	20.68
	50% RB mid	2680.0	22.09	21.15	20.12
		2593.0	22.16	21.15	20.21
		2506.0	21.78	20.73	19.77
	100% RB	2680.0	22.03	21.03	20.07
		2593.0	22.10	21.11	20.16
		2506.0	21.70	20.65	19.72

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	23.39	22.63	21.52
		1745.0	23.02	21.90	21.23
		1710.7	23.27	22.43	21.67
	1 RB low	1779.3	23.41	22.56	21.54
		1745.0	23.02	21.88	21.25
		1710.7	23.29	22.43	21.67
	50% RB mid	1779.3	23.52	22.57	21.67
		1745.0	23.11	22.11	21.25
		1710.7	23.39	22.54	21.41
	100% RB	1779.3	22.49	21.40	20.32
		1745.0	22.09	21.03	19.97
		1710.7	22.33	21.41	20.20
3MHz	1 RB high	1778.5	23.43	22.65	21.52
		1745.0	23.09	22.00	21.35
		1711.5	23.38	22.64	21.44
	1 RB low	1778.5	23.46	22.68	21.60
		1745.0	23.12	21.98	21.34
		1711.5	23.27	22.55	21.35
	50% RB mid	1778.5	22.59	21.58	20.54
		1745.0	22.12	21.10	20.19
		1711.5	22.40	21.51	20.52
	100% RB	1778.5	22.52	21.46	20.51
		1745.0	22.06	20.96	20.01
		1711.5	22.35	21.41	20.51
5MHz	1 RB high	1777.5	23.42	22.64	21.98
		1745.0	23.06	22.01	21.25
		1712.5	23.40	22.42	21.35
	1 RB low	1777.5	23.43	22.65	21.92
		1745.0	23.00	22.01	21.29
		1712.5	23.29	22.27	21.26
	50% RB mid	1777.5	22.53	21.69	20.53
		1745.0	22.05	21.04	20.15
		1712.5	22.45	21.55	20.46
	100% RB	1777.5	22.49	21.54	20.52
		1745.0	22.02	21.13	19.94
		1712.5	22.44	21.48	20.52
10MHz	1 RB high	1775.0	23.38	22.60	21.51



Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
		1745.0	23.03	21.94	21.24
		1715.0	23.30	22.55	21.39
		1775.0	23.35	22.59	21.46
	1 RB low	1745.0	23.04	21.98	21.29
		1715.0	23.22	22.50	21.25
		1775.0	22.50	21.60	20.47
	50% RB mid	1745.0	22.06	21.06	20.07
		1715.0	22.41	21.51	20.56
		1775.0	22.47	21.56	20.54
	100% RB	1745.0	22.10	21.13	20.13
		1715.0	22.43	21.45	20.49
		1772.5	23.25	22.64	21.53
15MHz	1 RB high	1745.0	22.92	21.93	21.24
		1717.5	23.15	22.44	21.24
		1772.5	23.19	22.47	21.47
	1 RB low	1745.0	22.98	21.87	21.22
		1717.5	23.10	22.34	21.19
		1772.5	22.49	21.50	20.46
	50% RB mid	1745.0	22.23	21.10	20.17
		1717.5	22.47	21.46	20.52
		1772.5	22.50	21.46	20.50
	100% RB	1745.0	22.19	21.16	20.13
		1717.5	22.45	21.45	20.45
		1770.0	23.06	22.27	21.41
20MHz	1 RB high	1745.0	22.70	21.85	20.79
		1720.0	23.03	22.08	21.41
		1770.0	22.89	22.12	21.19
	1 RB low	1745.0	22.73	21.85	20.77
		1720.0	23.06	22.13	21.41
		1770.0	22.43	21.49	20.50
	50% RB mid	1745.0	22.12	21.13	20.09
		1720.0	22.46	21.47	20.51
		1770.0	22.33	21.28	20.36
	100% RB	1745.0	22.05	21.02	20.05
		1720.0	22.38	21.40	20.41
		1770.0	22.33	21.28	20.36

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



No.24T04N002827-005-RF LTE

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

A.1.3 Radiated

A.1.3.1 Description

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

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

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

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

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

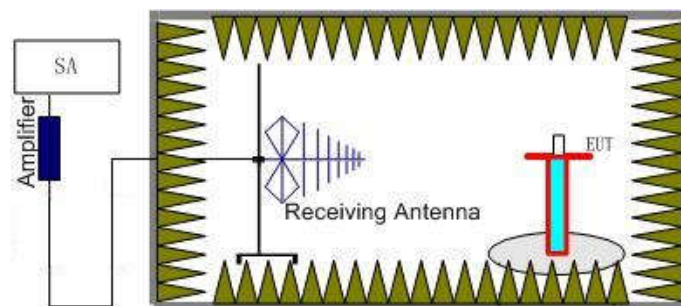
Rule Part 27.50(a)(3) specifies "For mobile and portable stations transmitting in the 2305–2315 MHz band or the 2350–2360 MHz band, the average EIRP must not exceed 50 milliwatts within any 1 megahertz of authorized bandwidth, except that for mobile and portable stations compliant with 3GPP LTE standards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

Rule Part 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."

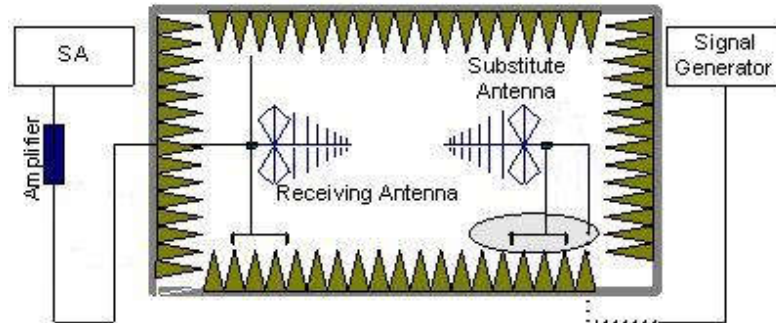
A.1.3.2 Method of Measurement

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****Upper antenna****LTE Band 2- EIRP Part 24. 232(c)****Limits: ≤33dBm (2W)****LTE Band 2_1.4MHz_QPSK**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1850.70	-15.51	-29.30	8.10	21.89	33.00	H
1880.00	-15.42	-29.40	8.10	22.08	33.00	H
1909.30	-15.06	-29.30	8.10	22.34	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	-15.72	-29.30	8.10	21.68	33.00	H
1880.00	-15.60	-29.40	8.10	21.90	33.00	H
1908.50	-15.31	-29.30	8.10	22.09	33.00	H

LTE Band 2_5MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1852.50	-15.86	-29.30	8.10	21.54	33.00	H
1880.00	-15.72	-29.40	8.10	21.78	33.00	H
1907.50	-15.47	-29.30	8.10	21.93	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	-15.74	-29.30	8.10	21.66	33.00	H
1880.00	-15.68	-29.40	8.10	21.82	33.00	H
1905.00	-15.27	-29.30	8.10	22.13	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	-15.75	-29.30	8.10	21.65	33.00	H
1880.00	-15.74	-29.40	8.10	21.76	33.00	H
1902.50	-15.45	-29.30	8.10	21.95	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	-15.81	-29.30	8.10	21.59	33.00	H
1880.00	-15.84	-29.40	8.10	21.66	33.00	H
1900.00	-15.41	-29.30	8.10	21.99	33.00	H

**LTE Band 2_1.4MHz_16QAM**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1850.70	-15.51	-29.30	8.10	21.89	33.00	H
1880.00	-15.42	-29.40	8.10	22.08	33.00	H
1909.30	-15.06	-29.30	8.10	22.34	33.00	H

LTE Band 2_3MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1851.50	-15.72	-29.30	8.10	21.68	33.00	H
1880.00	-15.60	-29.40	8.10	21.90	33.00	H
1908.50	-15.31	-29.30	8.10	22.09	33.00	H

LTE Band 2_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1852.50	-15.86	-29.30	8.10	21.54	33.00	H
1880.00	-15.72	-29.40	8.10	21.78	33.00	H
1907.50	-15.47	-29.30	8.10	21.93	33.00	H

LTE Band 2_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1855.00	-15.74	-29.30	8.10	21.66	33.00	H
1880.00	-15.68	-29.40	8.10	21.82	33.00	H
1905.00	-15.27	-29.30	8.10	22.13	33.00	H

LTE Band 2_15MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1857.50	-15.75	-29.30	8.10	21.65	33.00	H
1880.00	-15.74	-29.40	8.10	21.76	33.00	H
1902.50	-15.45	-29.30	8.10	21.95	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	-15.81	-29.30	8.10	21.59	33.00	H
1880.00	-15.84	-29.40	8.10	21.66	33.00	H
1900.00	-15.41	-29.30	8.10	21.99	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	-17.85	-29.30	8.10	19.55	33.00	H
1880.00	-17.62	-29.40	8.10	19.88	33.00	H
1909.30	-17.34	-29.30	8.10	20.06	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	-18.09	-29.30	8.10	19.31	33.00	H
1880.00	-18.10	-29.40	8.10	19.40	33.00	H
1908.50	-17.66	-29.30	8.10	19.74	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	-18.33	-29.30	8.10	19.07	33.00	H
1880.00	-18.22	-29.40	8.10	19.28	33.00	H
1907.50	-18.09	-29.30	8.10	19.31	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	-18.25	-29.30	8.10	19.15	33.00	H
1880.00	-18.19	-29.40	8.10	19.31	33.00	H
1905.00	-17.88	-29.30	8.10	19.52	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	-18.26	-29.30	8.10	19.14	33.00	H
1880.00	-18.24	-29.40	8.10	19.26	33.00	H
1902.50	-18.15	-29.30	8.10	19.25	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	-18.34	-29.30	8.10	19.05	33.00	H
1880.00	-18.43	-29.40	8.10	19.07	33.00	H
1900.00	-18.15	-29.30	8.10	19.25	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	-15.61	-29.60	8.10	22.09	30.00	H
1732.50	-15.35	-29.60	8.10	22.35	30.00	H
1754.30	-15.42	-29.50	8.10	22.18	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	-15.82	-29.60	8.10	21.88	30.00	H
1732.50	-15.53	-29.60	8.10	22.17	30.00	H
1753.50	-15.67	-29.50	8.10	21.93	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	-15.96	-29.60	8.10	21.74	30.00	H
1732.50	-15.65	-29.60	8.10	22.05	30.00	H
1752.50	-15.83	-29.50	8.10	21.77	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	-16.04	-29.60	8.10	21.66	30.00	H
1732.50	-15.81	-29.60	8.10	21.89	30.00	H
1750.00	-15.93	-29.50	8.10	21.67	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	-16.15	-29.60	8.10	21.55	30.00	H
1732.50	-15.96	-29.60	8.10	21.74	30.00	H
1747.50	-16.01	-29.50	8.10	21.59	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	-16.31	-29.60	8.10	21.39	30.00	H
1732.50	-16.06	-29.60	8.10	21.64	30.00	H
1745.00	-16.17	-29.50	8.10	21.43	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	-16.73	-29.60	8.10	20.97	30.00	H
1732.50	-16.44	-29.60	8.10	21.26	30.00	H
1754.30	-16.67	-29.50	8.10	20.93	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	-16.81	-29.60	8.10	20.89	30.00	H
1732.50	-16.65	-29.60	8.10	21.05	30.00	H
1753.50	-16.85	-29.50	8.10	20.75	30.00	H

LTE Band 4_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1712.50	-17.11	-29.60	8.10	20.59	30.00	H
1732.50	-16.82	-29.60	8.10	20.88	30.00	H
1752.50	-17.12	-29.50	8.10	20.48	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	-17.18	-29.60	8.10	20.52	30.00	H
1732.50	-16.94	-29.60	8.10	20.76	30.00	H
1750.00	-17.07	-29.50	8.10	20.53	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	-17.36	-29.60	8.10	20.34	30.00	H
1732.50	-17.18	-29.60	8.10	20.52	30.00	H
1747.50	-17.22	-29.50	8.10	20.38	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	-17.50	-29.60	8.10	20.20	30.00	H
1732.50	-17.32	-29.60	8.10	20.38	30.00	H
1745.00	-17.37	-29.50	8.10	20.23	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	-17.95	-29.60	8.10	19.75	30.00	H
1732.50	-17.54	-29.60	8.10	20.16	30.00	H
1754.30	-17.70	-29.50	8.10	19.90	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	-18.19	-29.60	8.10	19.51	30.00	H
1732.50	-18.03	-29.60	8.10	19.67	30.00	H
1753.50	-18.02	-29.50	8.10	19.58	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	-18.44	-29.60	8.10	19.26	30.00	H
1732.50	-18.15	-29.60	8.10	19.55	30.00	H
1752.50	-18.45	-29.50	8.10	19.15	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	-18.55	-29.60	8.10	19.14	30.00	H
1732.50	-18.32	-29.60	8.10	19.38	30.00	H
1750.00	-18.54	-29.50	8.10	19.06	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	-18.66	-29.60	8.10	19.04	30.00	H
1732.50	-18.47	-29.60	8.10	19.23	30.00	H
1747.50	-18.71	-29.50	8.10	18.89	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	-18.85	-29.60	8.10	18.85	30.00	H
1732.50	-18.66	-29.60	8.10	19.04	30.00	H
1745.00	-18.91	-29.50	8.10	18.69	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	-9.95	-33.60	-0.79	2.15	20.70	38.45	V
836.50	-10.39	-33.50	-0.74	2.15	20.22	38.45	V
848.30	-9.58	-33.50	-0.73	2.15	21.04	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	-10.08	-33.60	-0.84	2.15	20.53	38.45	V
836.50	-10.57	-33.50	-0.74	2.15	20.04	38.45	V
847.50	-9.79	-33.50	-0.73	2.15	20.83	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	-10.16	-33.60	-0.84	2.15	20.45	38.45	V
836.50	-10.68	-33.50	-0.74	2.15	19.93	38.45	V
846.50	-9.89	-33.50	-0.73	2.15	20.73	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	-10.24	-33.60	-0.84	2.15	20.37	38.45	V
836.50	-10.75	-33.50	-0.74	2.15	19.86	38.45	V
844.00	-9.94	-33.50	-0.78	2.15	20.63	38.45	V

**LTE Band 5_1.4MHz_16QAM**

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
824.70	-10.97	-33.60	-0.79	2.15	19.68	38.45	V
836.50	-11.41	-33.50	-0.74	2.15	19.21	38.45	V
848.30	-10.73	-33.50	-0.73	2.15	19.89	38.45	V

LTE Band 5_3MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
825.50	-11.07	-33.60	-0.84	2.15	19.54	38.45	V
836.50	-11.60	-33.50	-0.74	2.15	19.02	38.45	V
847.50	-10.86	-33.50	-0.73	2.15	19.75	38.45	V

LTE Band 5_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
826.50	-11.20	-33.60	-0.84	2.15	19.41	38.45	V
836.50	-11.76	-33.50	-0.74	2.15	18.86	38.45	V
846.50	-10.90	-33.50	-0.73	2.15	19.72	38.45	V

LTE Band 5_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
829.00	-11.27	-33.60	-0.84	2.15	19.34	38.45	V
836.50	-11.79	-33.50	-0.74	2.15	18.83	38.45	V
844.00	-10.97	-33.50	-0.78	2.15	19.59	38.45	V

**LTE Band 5_1.4MHz_64QAM**

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
824.70	-11.99	-33.60	-0.79	2.15	18.67	38.45	V
836.50	-12.51	-33.50	-0.74	2.15	18.11	38.45	V
848.30	-11.75	-33.50	-0.73	2.15	18.86	38.45	V

LTE Band 5_3MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
825.50	-12.04	-33.60	-0.84	2.15	18.57	38.45	V
836.50	-12.60	-33.50	-0.74	2.15	18.01	38.45	V
847.50	-11.74	-33.50	-0.73	2.15	18.88	38.45	V

LTE Band 5_5MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
826.50	-12.23	-33.60	-0.84	2.15	18.38	38.45	V
836.50	-12.78	-33.50	-0.74	2.15	17.83	38.45	V
846.50	-11.82	-33.50	-0.73	2.15	18.80	38.45	V

LTE Band 5_10MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
829.00	-12.35	-33.60	-0.84	2.15	18.26	38.45	V
836.50	-12.86	-33.50	-0.74	2.15	17.75	38.45	V
844.00	-12.05	-33.50	-0.78	2.15	18.52	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	-17.37	-28.70	10.70	22.03	33.00	H
2535.00	-17.06	-28.60	10.70	22.24	33.00	H
2567.50	-16.92	-28.60	10.70	22.38	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	-17.68	-28.70	10.70	21.72	33.00	H
2535.00	-17.28	-28.60	10.70	22.02	33.00	H
2565.00	-17.22	-28.60	10.70	22.08	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	-17.76	-28.70	10.70	21.64	33.00	H
2535.00	-17.47	-28.60	10.70	21.83	33.00	H
2562.50	-17.24	-28.60	10.70	22.06	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	-18.06	-28.70	10.70	21.34	33.00	H
2535.00	-17.62	-28.60	10.70	21.68	33.00	H
2560.00	-17.58	-28.60	10.70	21.72	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	-18.44	-28.70	10.70	20.96	33.00	H
2535.00	-18.20	-28.60	10.70	21.10	33.00	H
2567.50	-17.83	-28.60	10.70	21.47	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	-18.85	-28.70	10.70	20.55	33.00	H
2535.00	-18.51	-28.60	10.70	20.79	33.00	H
2565.00	-18.50	-28.60	10.70	20.80	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	-18.50	-28.70	10.70	20.90	33.00	H
2535.00	-18.36	-28.60	10.70	20.94	33.00	H
2562.50	-18.22	-28.60	10.70	21.08	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	-19.03	-28.70	10.70	20.37	33.00	H
2535.00	-18.67	-28.60	10.70	20.63	33.00	H
2560.00	-18.55	-28.60	10.70	20.75	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	-19.34	-28.70	10.70	20.06	33.00	H
2535.00	-19.11	-28.60	10.70	20.19	33.00	H
2567.50	-18.79	-28.60	10.70	20.51	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	-19.72	-28.70	10.70	19.68	33.00	H
2535.00	-19.42	-28.60	10.70	19.88	33.00	H
2565.00	-19.29	-28.60	10.70	20.01	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	-19.60	-28.70	10.70	19.80	33.00	H
2535.00	-19.33	-28.60	10.70	19.97	33.00	H
2562.50	-19.17	-28.60	10.70	20.13	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	-19.92	-28.70	10.70	19.48	33.00	H
2535.00	-19.37	-28.60	10.70	19.93	33.00	H
2560.00	-19.36	-28.60	10.70	19.94	33.00	H

**LTE Band 13- ERP Part 27.50(b)(10)****Limits: $\leq 34.77\text{dBm}$ (3W)****LTE Band 13_5MHz_QPSK**

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
779.50	-11.67	-34.00	-0.08	2.15	20.10	34.77	V
782.00	-11.44	-34.00	-0.13	2.15	20.28	34.77	V
784.50	-11.38	-34.00	-0.13	2.15	20.34	34.77	V

LTE Band 13_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
782.00	-11.85	-34.00	-0.13	2.15	19.87	34.77	V

LTE Band 13_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
779.50	-12.76	-34.00	-0.08	2.15	19.01	34.77	V
782.00	-12.63	-34.00	-0.13	2.15	19.09	34.77	V
784.50	-12.52	-34.00	-0.13	2.15	19.20	34.77	V

LTE Band 13_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
782.00	-12.72	-34.00	-0.13	2.15	19.00	34.77	V

LTE Band 13_5MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
779.50	-13.63	-34.00	-0.08	2.15	18.14	34.77	V
782.00	-13.50	-34.00	-0.13	2.15	18.22	34.77	V
784.50	-13.39	-34.00	-0.13	2.15	18.33	34.77	V

LTE Band 13_10MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
782.00	-13.61	-34.00	-0.13	2.15	18.11	34.77	V

**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 _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
824.70	-9.77	-33.60	-0.79	2.15	20.89	38.45	H
836.50	-10.27	-33.50	-0.74	2.15	20.35	38.45	H
848.30	-9.87	-33.50	-0.73	2.15	20.75	38.45	H

LTE Band 26(824MHz-849MHz)_3MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
825.50	-9.94	-33.60	-0.79	2.15	20.71	38.45	H
836.50	-10.45	-33.50	-0.74	2.15	20.17	38.45	H
847.50	-10.08	-33.50	-0.73	2.15	20.54	38.45	H

LTE Band 26(824MHz-849MHz)_5MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
826.50	-10.02	-33.60	-0.79	2.15	20.64	38.45	H
836.50	-10.56	-33.50	-0.74	2.15	20.06	38.45	H
846.50	-10.18	-33.50	-0.73	2.15	20.43	38.45	H

LTE Band 26(824MHz-849MHz)_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
829.00	-10.10	-33.60	-0.79	2.15	20.55	38.45	H
836.50	-10.63	-33.50	-0.74	2.15	19.99	38.45	H
844.00	-10.28	-33.50	-0.73	2.15	20.33	38.45	H

LTE Band 26(824MHz-849MHz)_15MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
831.50	-10.21	-33.60	-0.79	2.15	20.45	38.45	H
836.50	-10.70	-33.50	-0.74	2.15	19.91	38.45	H
841.50	-10.36	-33.50	-0.73	2.15	20.26	38.45	H

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

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
824.70	-10.79	-33.60	-0.79	2.15	19.87	38.45	H
836.50	-11.28	-33.50	-0.74	2.15	19.33	38.45	H
848.30	-11.03	-33.50	-0.73	2.15	19.59	38.45	H

LTE Band 26(824MHz-849MHz)_3MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
825.50	-10.93	-33.60	-0.79	2.15	19.73	38.45	H
836.50	-11.47	-33.50	-0.74	2.15	19.14	38.45	H
847.50	-11.16	-33.50	-0.73	2.15	19.46	38.45	H

LTE Band 26(824MHz-849MHz)_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
826.50	-11.07	-33.60	-0.79	2.15	19.59	38.45	H
836.50	-11.63	-33.50	-0.74	2.15	18.98	38.45	H
846.50	-11.19	-33.50	-0.73	2.15	19.43	38.45	H

LTE Band 26(824MHz-849MHz)_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
829.00	-11.14	-33.60	-0.79	2.15	19.52	38.45	H
836.50	-11.66	-33.50	-0.74	2.15	18.95	38.45	H
844.00	-11.32	-33.50	-0.73	2.15	19.30	38.45	H

LTE Band 26(824MHz-849MHz)_15MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
831.50	-11.32	-33.60	-0.79	2.15	19.34	38.45	H
836.50	-11.81	-33.50	-0.74	2.15	18.80	38.45	H
841.50	-11.47	-33.50	-0.73	2.15	19.14	38.45	H

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

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
824.70	-11.81	-33.60	-0.79	2.15	18.85	38.45	H
836.50	-12.38	-33.50	-0.74	2.15	18.23	38.45	H
848.30	-12.05	-33.50	-0.73	2.15	18.57	38.45	H

LTE Band 26(824MHz-849MHz)_3MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
825.50	-11.91	-33.60	-0.79	2.15	18.75	38.45	H
836.50	-12.48	-33.50	-0.74	2.15	18.14	38.45	H
847.50	-12.04	-33.50	-0.73	2.15	18.58	38.45	H

LTE Band 26(824MHz-849MHz)_5MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
826.50	-12.09	-33.60	-0.79	2.15	18.56	38.45	H
836.50	-12.66	-33.50	-0.74	2.15	17.95	38.45	H
846.50	-12.12	-33.50	-0.73	2.15	18.50	38.45	H

LTE Band 26(824MHz-849MHz)_10MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
829.00	-12.21	-33.60	-0.79	2.15	18.44	38.45	H
836.50	-12.74	-33.50	-0.74	2.15	17.88	38.45	H
844.00	-12.40	-33.50	-0.73	2.15	18.22	38.45	H

LTE Band 26(824MHz-849MHz)_15MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
831.50	-12.32	-33.60	-0.79	2.15	18.33	38.45	H
836.50	-12.82	-33.50	-0.74	2.15	17.80	38.45	H
841.50	-12.48	-33.50	-0.73	2.15	18.14	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	-10.40	-33.70	-0.80	2.15	20.35	50.00	H
819.00	-10.56	-33.60	-0.75	2.15	20.14	50.00	H
823.30	-10.20	-33.60	-0.79	2.15	20.46	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	-10.58	-33.70	-0.80	2.15	20.17	50.00	H
819.00	-10.74	-33.60	-0.75	2.15	19.97	50.00	H
822.50	-10.41	-33.60	-0.79	2.15	20.25	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	-10.65	-33.70	-0.80	2.15	20.10	50.00	H
819.00	-10.85	-33.60	-0.75	2.15	19.86	50.00	H
821.50	-10.51	-33.60	-0.79	2.15	20.15	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	-10.64	-33.60	-0.80	2.15	20.01	50.00	H
819.00	-10.92	-33.60	-0.75	2.15	19.79	50.00	H
819.00	-10.61	-33.60	-0.79	2.15	20.05	50.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
814.70	-11.42	-33.70	-0.80	2.15	19.33	50.00	H
819.00	-11.57	-33.60	-0.75	2.15	19.13	50.00	H
823.30	-11.35	-33.60	-0.79	2.15	19.30	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	-11.56	-33.70	-0.80	2.15	19.19	50.00	H
819.00	-11.76	-33.60	-0.75	2.15	18.94	50.00	H
822.50	-11.48	-33.60	-0.79	2.15	19.17	50.00	H

LTE Band 26(814MHz-824MHz)_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
816.50	-11.70	-33.70	-0.80	2.15	19.05	50.00	H
819.00	-11.92	-33.60	-0.75	2.15	18.78	50.00	H
821.50	-11.52	-33.60	-0.79	2.15	19.14	50.00	H

LTE Band 26(814MHz-824MHz)_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
819.00	-11.67	-33.60	-0.80	2.15	18.98	50.00	H
819.00	-11.95	-33.60	-0.75	2.15	18.75	50.00	H
819.00	-11.64	-33.60	-0.79	2.15	19.01	50.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
814.70	-12.44	-33.70	-0.80	2.15	18.31	50.00	H
819.00	-12.67	-33.60	-0.75	2.15	18.03	50.00	H
823.30	-12.37	-33.60	-0.79	2.15	18.28	50.00	H

LTE Band 26(814MHz-824MHz)_3MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
815.50	-12.54	-33.70	-0.80	2.15	18.21	50.00	H
819.00	-12.77	-33.60	-0.75	2.15	17.93	50.00	H
822.50	-12.36	-33.60	-0.79	2.15	18.29	50.00	H

LTE Band 26(814MHz-824MHz)_5MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
816.50	-12.73	-33.70	-0.80	2.15	18.02	50.00	H
819.00	-12.95	-33.60	-0.75	2.15	17.75	50.00	H
821.50	-12.44	-33.60	-0.79	2.15	18.21	50.00	H

LTE Band 26(814MHz-824MHz)_10MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
819.00	-12.75	-33.60	-0.80	2.15	17.90	50.00	H
819.00	-13.03	-33.60	-0.75	2.15	17.68	50.00	H
819.00	-12.72	-33.60	-0.79	2.15	17.93	50.00	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	-17.20	-28.60	10.70	22.10	33.00	H
2595.00	-17.05	-28.60	10.70	22.25	33.00	H
2617.50	-16.96	-28.60	10.70	22.34	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	-17.52	-28.60	10.70	21.79	33.00	H
2595.00	-17.32	-28.60	10.70	21.98	33.00	H
2615.00	-17.26	-28.60	10.70	22.04	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	-17.61	-28.60	10.70	21.69	33.00	H
2595.00	-17.50	-28.60	10.70	21.80	33.00	H
2612.50	-17.45	-28.60	10.70	21.85	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	-17.89	-28.60	10.70	21.41	33.00	H
2595.00	-17.71	-28.60	10.70	21.59	33.00	H
2610.00	-17.72	-28.60	10.70	21.58	33.00	H

**LTE Band 38_5MHz_16QAM**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2572.50	-18.27	-28.60	10.70	21.03	33.00	H
2595.00	-18.19	-28.60	10.70	21.11	33.00	H
2617.50	-17.87	-28.60	10.70	21.43	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	-18.69	-28.60	10.70	20.61	33.00	H
2595.00	-18.55	-28.60	10.70	20.75	33.00	H
2615.00	-18.54	-28.60	10.70	20.76	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	-18.35	-28.60	10.70	20.95	33.00	H
2595.00	-18.39	-28.60	10.70	20.91	33.00	H
2612.50	-18.43	-28.60	10.70	20.87	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	-18.86	-28.60	10.70	20.44	33.00	H
2595.00	-19.16	-28.60	10.70	20.14	33.00	H
2610.00	-18.59	-28.60	10.70	20.71	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	-19.17	-28.60	10.70	20.13	33.00	H
2595.00	-19.10	-28.60	10.70	20.20	33.00	H
2617.50	-18.83	-28.60	10.70	20.47	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	-19.56	-28.60	10.70	19.74	33.00	H
2595.00	-19.46	-28.60	10.70	19.84	33.00	H
2615.00	-19.33	-28.60	10.70	19.97	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	-19.45	-28.60	10.70	19.85	33.00	H
2595.00	-19.56	-28.60	10.70	19.74	33.00	H
2612.50	-19.68	-28.60	10.70	19.62	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	-19.75	-28.60	10.70	19.55	33.00	H
2595.00	-20.06	-28.60	10.70	19.24	33.00	H
2610.00	-19.40	-28.60	10.70	19.90	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
2537.50	-17.30	-28.70	10.70	22.10	33.00	H
2595.00	-17.24	-28.60	10.70	22.06	33.00	H
2652.50	-17.32	-28.60	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
2540.00	-17.58	-28.70	10.70	21.82	33.00	H
2595.00	-17.45	-28.60	10.70	21.85	33.00	H
2650.00	-17.64	-28.60	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
2542.50	-17.69	-28.70	10.70	21.71	33.00	H
2595.00	-17.75	-28.60	10.70	21.55	33.00	H
2647.50	-17.76	-28.60	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
2545.00	-17.97	-28.70	10.70	21.43	33.00	H
2595.00	-18.00	-28.60	10.70	21.30	33.00	H
2645.00	-18.03	-28.60	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	-18.47	-28.70	10.70	20.93	33.00	H
2595.00	-18.31	-28.60	10.70	20.99	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	-18.87	-28.70	10.70	20.53	33.00	H
2595.00	-18.64	-28.60	10.70	20.66	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	-18.68	-28.70	10.70	20.72	33.00	H
2595.00	-18.71	-28.60	10.70	20.59	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	-19.08	-28.70	10.70	20.32	33.00	H
2595.00	-19.01	-28.60	10.70	20.29	33.00	H
2645.00	-19.22	-28.60	10.70	20.08	33.00	H

**LTE Band 41_5MHz_64QAM**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2537.50	-19.40	-28.70	10.70	20.00	33.00	H
2595.00	-19.31	-28.60	10.70	19.99	33.00	H
2652.50	-19.20	-28.60	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
2540.00	-19.64	-28.70	10.70	19.76	33.00	H
2595.00	-19.61	-28.60	10.70	19.69	33.00	H
2650.00	-19.80	-28.60	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
2542.50	-19.78	-28.70	10.70	19.62	33.00	H
2595.00	-19.92	-28.60	10.70	19.38	33.00	H
2647.50	-20.04	-28.60	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
2545.00	-19.99	-28.70	10.70	19.41	33.00	H
2595.00	-20.00	-28.60	10.70	19.30	33.00	H
2645.00	-20.06	-28.60	10.70	19.24	33.00	H

**LTE Band 66- EIRP Part 27.50(d)(4)****Limits: ≤30dBm (1W)****LTE Band 66_1.4MHz_QPSK**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1710.70	-15.71	-29.60	8.10	21.99	30.00	H
1745.00	-15.78	-29.50	8.10	21.82	30.00	H
1779.30	-15.87	-29.50	8.10	21.73	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	-15.92	-29.60	8.10	21.78	30.00	H
1745.00	-15.96	-29.50	8.10	21.64	30.00	H
1778.50	-16.12	-29.50	8.10	21.48	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	-16.06	-29.60	8.10	21.64	30.00	H
1745.00	-16.08	-29.50	8.10	21.52	30.00	H
1777.50	-16.28	-29.50	8.10	21.32	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	-16.14	-29.60	8.10	21.56	30.00	H
1745.00	-16.24	-29.50	8.10	21.36	30.00	H
1775.00	-16.38	-29.50	8.10	21.22	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	-16.25	-29.60	8.10	21.45	30.00	H
1745.00	-16.39	-29.50	8.10	21.21	30.00	H
1772.53	-16.46	-29.50	8.10	21.14	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	-16.41	-29.60	8.10	21.29	30.00	H
1745.00	-16.49	-29.50	8.10	21.11	30.00	H
1770.00	-16.62	-29.50	8.10	20.98	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	-16.73	-29.60	8.10	20.97	30.00	H
1745.00	-16.87	-29.50	8.10	20.73	30.00	H
1779.30	-16.92	-29.50	8.10	20.68	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	-16.81	-29.60	8.10	20.89	30.00	H
1745.00	-16.98	-29.50	8.10	20.62	30.00	H
1778.50	-17.20	-29.50	8.10	20.40	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	-17.11	-29.60	8.10	20.59	30.00	H
1745.00	-17.15	-29.50	8.10	20.45	30.00	H
1777.50	-17.37	-29.50	8.10	20.23	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	-17.18	-29.60	8.10	20.52	30.00	H
1745.00	-17.27	-29.50	8.10	20.33	30.00	H
1775.00	-17.42	-29.50	8.10	20.18	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	-17.26	-29.60	8.10	20.44	30.00	H
1745.00	-17.41	-29.50	8.10	20.19	30.00	H
1772.53	-17.47	-29.50	8.10	20.13	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	-17.50	-29.60	8.10	20.20	30.00	H
1745.00	-17.55	-29.50	8.10	20.05	30.00	H
1770.00	-17.72	-29.50	8.10	19.88	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	-17.55	-29.60	8.10	20.15	30.00	H
1745.00	-17.77	-29.50	8.10	19.83	30.00	H
1779.30	-17.75	-29.50	8.10	19.85	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	-17.69	-29.60	8.10	20.01	30.00	H
1745.00	-17.86	-29.50	8.10	19.74	30.00	H
1778.50	-18.07	-29.50	8.10	19.53	30.00	H

LTE Band 66_5MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1712.50	-17.84	-29.60	8.10	19.86	30.00	H
1745.00	-17.88	-29.50	8.10	19.72	30.00	H
1777.50	-18.09	-29.50	8.10	19.50	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	-18.05	-29.60	8.10	19.64	30.00	H
1745.00	-18.15	-29.50	8.10	19.45	30.00	H
1775.00	-18.31	-29.50	8.10	19.29	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	-18.07	-29.60	8.10	19.63	30.00	H
1745.00	-18.21	-29.50	8.10	19.39	30.00	H
1772.53	-18.27	-29.50	8.10	19.33	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	-18.25	-29.60	8.10	19.45	30.00	H
1745.00	-18.39	-29.50	8.10	19.21	30.00	H
1770.00	-18.46	-29.50	8.10	19.14	30.00	H

**Lower antenna****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	-15.12	-29.30	8.10	22.28	33.00	H
1880.00	-15.75	-29.40	8.10	21.75	33.00	H
1909.30	-15.47	-29.30	8.10	21.93	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	-15.34	-29.30	8.10	22.06	33.00	H
1880.00	-15.93	-29.40	8.10	21.57	33.00	H
1908.50	-15.72	-29.30	8.10	21.68	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	-15.47	-29.30	8.10	21.93	33.00	H
1880.00	-16.05	-29.40	8.10	21.45	33.00	H
1907.50	-15.88	-29.30	8.10	21.52	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	-15.36	-29.30	8.10	22.04	33.00	H
1880.00	-16.01	-29.40	8.10	21.49	33.00	H
1905.00	-15.68	-29.30	8.10	21.72	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	-15.36	-29.30	8.10	22.04	33.00	H
1880.00	-16.06	-29.40	8.10	21.44	33.00	H
1902.50	-15.86	-29.30	8.10	21.54	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	-15.42	-29.30	8.10	21.98	33.00	H
1880.00	-16.16	-29.40	8.10	21.34	33.00	H
1900.00	-15.82	-29.30	8.10	21.58	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	-16.24	-29.30	8.10	21.16	33.00	H
1880.00	-16.84	-29.40	8.10	20.66	33.00	H
1909.30	-16.72	-29.30	8.10	20.68	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	-16.32	-29.30	8.10	21.08	33.00	H
1880.00	-17.05	-29.40	8.10	20.45	33.00	H
1908.50	-16.90	-29.30	8.10	20.50	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	-16.62	-29.30	8.10	20.78	33.00	H
1880.00	-17.22	-29.40	8.10	20.28	33.00	H
1907.50	-17.17	-29.30	8.10	20.23	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	-16.49	-29.30	8.10	20.91	33.00	H
1880.00	-17.14	-29.40	8.10	20.36	33.00	H
1905.00	-16.82	-29.30	8.10	20.58	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	-16.57	-29.30	8.10	20.83	33.00	H
1880.00	-17.28	-29.40	8.10	20.22	33.00	H
1902.50	-17.07	-29.30	8.10	20.33	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	-16.61	-29.30	8.10	20.79	33.00	H
1880.00	-17.42	-29.40	8.10	20.08	33.00	H
1900.00	-17.02	-29.30	8.10	20.38	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	-17.46	-29.30	8.10	19.94	33.00	H
1880.00	-17.94	-29.40	8.10	19.56	33.00	H
1909.30	-17.74	-29.30	8.10	19.66	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	-17.70	-29.30	8.10	19.70	33.00	H
1880.00	-18.43	-29.40	8.10	19.07	33.00	H
1908.50	-18.07	-29.30	8.10	19.33	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	-17.95	-29.30	8.10	19.45	33.00	H
1880.00	-18.55	-29.40	8.10	18.95	33.00	H
1907.50	-18.49	-29.30	8.10	18.91	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	-17.87	-29.30	8.10	19.53	33.00	H
1880.00	-18.52	-29.40	8.10	18.98	33.00	H
1905.00	-18.29	-29.30	8.10	19.11	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	-17.87	-29.30	8.10	19.53	33.00	H
1880.00	-18.57	-29.40	8.10	18.93	33.00	H
1902.50	-18.56	-29.30	8.10	18.84	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	-17.96	-29.30	8.10	19.44	33.00	H
1880.00	-18.76	-29.40	8.10	18.74	33.00	H
1900.00	-18.56	-29.30	8.10	18.84	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	-15.34	-29.60	8.10	22.36	30.00	H
1732.50	-15.58	-29.60	8.10	22.12	30.00	H
1754.30	-15.30	-29.50	8.10	22.30	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	-15.55	-29.60	8.10	22.15	30.00	H
1732.50	-15.75	-29.60	8.10	21.95	30.00	H
1753.50	-15.55	-29.50	8.10	22.05	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	-15.69	-29.60	8.10	22.01	30.00	H
1732.50	-15.87	-29.60	8.10	21.83	30.00	H
1752.50	-15.71	-29.50	8.10	21.89	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	-15.77	-29.60	8.10	21.93	30.00	H
1732.50	-16.03	-29.60	8.10	21.67	30.00	H
1750.00	-15.81	-29.50	8.10	21.79	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	-15.88	-29.60	8.10	21.82	30.00	H
1732.50	-16.19	-29.60	8.10	21.51	30.00	H
1747.50	-15.89	-29.50	8.10	21.71	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	-16.04	-29.60	8.10	21.66	30.00	H
1732.50	-16.29	-29.60	8.10	21.41	30.00	H
1745.00	-16.06	-29.50	8.10	21.54	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	-16.46	-29.60	8.10	21.24	30.00	H
1732.50	-16.67	-29.60	8.10	21.03	30.00	H
1754.30	-16.56	-29.50	8.10	21.04	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	-16.54	-29.60	8.10	21.16	30.00	H
1732.50	-16.88	-29.60	8.10	20.82	30.00	H
1753.50	-16.73	-29.50	8.10	20.87	30.00	H

LTE Band 4_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1712.50	-16.84	-29.60	8.10	20.86	30.00	H
1732.50	-17.05	-29.60	8.10	20.65	30.00	H
1752.50	-17.00	-29.50	8.10	20.60	30.00	H

LTE Band 4_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1715.00	-16.91	-29.60	8.10	20.79	30.00	H
1732.50	-17.17	-29.60	8.10	20.53	30.00	H
1750.00	-16.95	-29.50	8.10	20.65	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	-17.09	-29.60	8.10	20.61	30.00	H
1732.50	-17.40	-29.60	8.10	20.30	30.00	H
1747.50	-17.10	-29.50	8.10	20.50	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	-17.23	-29.60	8.10	20.47	30.00	H
1732.50	-17.54	-29.60	8.10	20.16	30.00	H
1745.00	-17.25	-29.50	8.10	20.35	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	-17.67	-29.60	8.10	20.03	30.00	H
1732.50	-17.77	-29.60	8.10	19.93	30.00	H
1754.30	-17.58	-29.50	8.10	20.02	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	-17.92	-29.60	8.10	19.78	30.00	H
1732.50	-18.26	-29.60	8.10	19.45	30.00	H
1753.50	-17.91	-29.50	8.10	19.69	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	-18.16	-29.60	8.10	19.54	30.00	H
1732.50	-18.38	-29.60	8.10	19.32	30.00	H
1752.50	-18.33	-29.50	8.10	19.27	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	-18.28	-29.60	8.10	19.42	30.00	H
1732.50	-18.55	-29.60	8.10	19.15	30.00	H
1750.00	-18.43	-29.50	8.10	19.17	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	-18.38	-29.60	8.10	19.32	30.00	H
1732.50	-18.70	-29.60	8.10	19.00	30.00	H
1747.50	-18.60	-29.50	8.10	19.00	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	-18.57	-29.60	8.10	19.13	30.00	H
1732.50	-18.89	-29.60	8.10	18.81	30.00	H
1745.00	-18.79	-29.50	8.10	18.81	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 _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
824.70	-9.30	-33.60	-0.79	2.15	21.36	38.45	V
836.50	-9.65	-33.50	-0.74	2.15	20.96	38.45	V
848.30	-9.81	-33.50	-0.73	2.15	20.81	38.45	V

LTE Band 5_3MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
825.50	-9.42	-33.60	-0.84	2.15	21.19	38.45	V
836.50	-9.83	-33.50	-0.74	2.15	20.78	38.45	V
847.50	-10.02	-33.50	-0.73	2.15	20.60	38.45	V

LTE Band 5_5MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
826.50	-9.50	-33.60	-0.84	2.15	21.11	38.45	V
836.50	-9.94	-33.50	-0.74	2.15	20.67	38.45	V
846.50	-10.12	-33.50	-0.73	2.15	20.50	38.45	V

LTE Band 5_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
829.00	-9.58	-33.60	-0.84	2.15	21.03	38.45	V
836.50	-10.01	-33.50	-0.74	2.15	20.60	38.45	V
844.00	-10.17	-33.50	-0.78	2.15	20.40	38.45	V

**LTE Band 5_1.4MHz_16QAM**

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
824.70	-10.32	-33.60	-0.79	2.15	20.34	38.45	V
836.50	-10.67	-33.50	-0.74	2.15	19.95	38.45	V
848.30	-10.96	-33.50	-0.73	2.15	19.65	38.45	V

LTE Band 5_3MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
825.50	-10.41	-33.60	-0.84	2.15	20.20	38.45	V
836.50	-10.86	-33.50	-0.74	2.15	19.76	38.45	V
847.50	-11.10	-33.50	-0.73	2.15	19.52	38.45	V

LTE Band 5_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
826.50	-10.55	-33.60	-0.84	2.15	20.06	38.45	V
836.50	-11.02	-33.50	-0.74	2.15	19.60	38.45	V
846.50	-11.13	-33.50	-0.73	2.15	19.49	38.45	V

LTE Band 5_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
829.00	-10.62	-33.60	-0.84	2.15	19.99	38.45	V
836.50	-11.05	-33.50	-0.74	2.15	19.57	38.45	V
844.00	-11.20	-33.50	-0.78	2.15	19.36	38.45	V

**LTE Band 5_1.4MHz_64QAM**

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
824.70	-11.33	-33.60	-0.79	2.15	19.32	38.45	V
836.50	-11.77	-33.50	-0.74	2.15	18.85	38.45	V
848.30	-11.98	-33.50	-0.73	2.15	18.63	38.45	V

LTE Band 5_3MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
825.50	-11.39	-33.60	-0.84	2.15	19.22	38.45	V
836.50	-11.86	-33.50	-0.74	2.15	18.75	38.45	V
847.50	-11.97	-33.50	-0.73	2.15	18.64	38.45	V

LTE Band 5_5MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
826.50	-11.57	-33.60	-0.84	2.15	19.04	38.45	V
836.50	-12.04	-33.50	-0.74	2.15	18.57	38.45	V
846.50	-12.05	-33.50	-0.73	2.15	18.56	38.45	V

LTE Band 5_10MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
829.00	-11.69	-33.60	-0.84	2.15	18.91	38.45	V
836.50	-12.12	-33.50	-0.74	2.15	18.49	38.45	V
844.00	-12.28	-33.50	-0.78	2.15	18.29	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	-17.42	-28.70	10.70	21.98	33.00	H
2535.00	-17.02	-28.60	10.70	22.28	33.00	H
2567.50	-17.37	-28.60	10.70	21.93	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	-17.73	-28.70	10.70	21.67	33.00	H
2535.00	-17.24	-28.60	10.70	22.06	33.00	H
2565.00	-17.67	-28.60	10.70	21.63	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	-17.81	-28.70	10.70	21.59	33.00	H
2535.00	-17.43	-28.60	10.70	21.87	33.00	H
2562.50	-17.69	-28.60	10.70	21.61	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	-18.11	-28.70	10.70	21.29	33.00	H
2535.00	-17.58	-28.60	10.70	21.72	33.00	H
2560.00	-18.03	-28.60	10.70	21.27	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	-18.49	-28.70	10.70	20.91	33.00	H
2535.00	-18.16	-28.60	10.70	21.14	33.00	H
2567.50	-18.28	-28.60	10.70	21.02	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	-18.90	-28.70	10.70	20.50	33.00	H
2535.00	-18.47	-28.60	10.70	20.83	33.00	H
2565.00	-18.95	-28.60	10.70	20.35	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	-18.55	-28.70	10.70	20.85	33.00	H
2535.00	-18.32	-28.60	10.70	20.98	33.00	H
2562.50	-18.67	-28.60	10.70	20.63	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	-19.08	-28.70	10.70	20.32	33.00	H
2535.00	-18.63	-28.60	10.70	20.67	33.00	H
2560.00	-19.00	-28.60	10.70	20.30	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	-19.39	-28.70	10.70	20.01	33.00	H
2535.00	-19.07	-28.60	10.70	20.23	33.00	H
2567.50	-19.24	-28.60	10.70	20.06	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	-19.77	-28.70	10.70	19.63	33.00	H
2535.00	-19.38	-28.60	10.70	19.92	33.00	H
2565.00	-19.74	-28.60	10.70	19.56	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	-19.65	-28.70	10.70	19.75	33.00	H
2535.00	-19.29	-28.60	10.70	20.01	33.00	H
2562.50	-19.62	-28.60	10.70	19.68	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	-19.97	-28.70	10.70	19.43	33.00	H
2535.00	-19.33	-28.60	10.70	19.97	33.00	H
2560.00	-19.81	-28.60	10.70	19.49	33.00	H

**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 _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
779.50	-11.34	-34.00	-0.08	2.15	20.43	34.77	V
782.00	-10.98	-34.00	-0.13	2.15	20.74	34.77	V
784.50	-10.40	-34.00	-0.13	2.15	21.32	34.77	V

LTE Band 13_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
782.00	-11.39	-34.00	-0.13	2.15	20.33	34.77	V

LTE Band 13_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
779.50	-12.43	-34.00	-0.08	2.15	19.34	34.77	V
782.00	-12.17	-34.00	-0.13	2.15	19.55	34.77	V
784.50	-11.54	-34.00	-0.13	2.15	20.18	34.77	V

LTE Band 13_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
782.00	-12.26	-34.00	-0.13	2.15	19.46	34.77	V

LTE Band 13_5MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
779.50	-13.30	-34.00	-0.08	2.15	18.47	34.77	V
782.00	-13.04	-34.00	-0.13	2.15	18.68	34.77	V
784.50	-12.41	-34.00	-0.13	2.15	19.31	34.77	V

LTE Band 13_10MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
782.00	-13.15	-34.00	-0.13	2.15	18.57	34.77	V

**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 _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
824.70	-9.15	-33.60	-0.79	2.15	21.50	38.45	V
836.50	-9.62	-33.50	-0.74	2.15	20.99	38.45	V
848.30	-9.26	-33.50	-0.73	2.15	21.36	38.45	V

LTE Band 26(824MHz-849MHz)_3MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
825.50	-9.33	-33.60	-0.79	2.15	21.33	38.45	V
836.50	-9.80	-33.50	-0.74	2.15	20.81	38.45	V
847.50	-9.47	-33.50	-0.73	2.15	21.15	38.45	V

LTE Band 26(824MHz-849MHz)_5MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
826.50	-9.40	-33.60	-0.79	2.15	21.25	38.45	V
836.50	-9.91	-33.50	-0.74	2.15	20.70	38.45	V
846.50	-9.57	-33.50	-0.73	2.15	21.05	38.45	V

LTE Band 26(824MHz-849MHz)_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
829.00	-9.49	-33.60	-0.79	2.15	21.17	38.45	V
836.50	-9.98	-33.50	-0.74	2.15	20.63	38.45	V
844.00	-9.67	-33.50	-0.73	2.15	20.95	38.45	V

LTE Band 26(824MHz-849MHz)_15MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
831.50	-9.59	-33.60	-0.79	2.15	21.07	38.45	V
836.50	-10.06	-33.50	-0.74	2.15	20.56	38.45	V
841.50	-9.74	-33.50	-0.73	2.15	20.87	38.45	V

**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	-10.17	-33.60	-0.79	2.15	20.48	38.45	V
836.50	-10.64	-33.50	-0.74	2.15	19.98	38.45	V
848.30	-10.41	-33.50	-0.73	2.15	20.21	38.45	V

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	-10.31	-33.60	-0.79	2.15	20.34	38.45	V
836.50	-10.83	-33.50	-0.74	2.15	19.79	38.45	V
847.50	-10.54	-33.50	-0.73	2.15	20.07	38.45	V

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	-10.45	-33.60	-0.79	2.15	20.21	38.45	V
836.50	-10.99	-33.50	-0.74	2.15	19.63	38.45	V
846.50	-10.57	-33.50	-0.73	2.15	20.04	38.45	V

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	-10.52	-33.60	-0.79	2.15	20.14	38.45	V
836.50	-11.02	-33.50	-0.74	2.15	19.60	38.45	V
844.00	-10.70	-33.50	-0.73	2.15	19.91	38.45	V

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	-10.70	-33.60	-0.79	2.15	19.95	38.45	V
836.50	-11.17	-33.50	-0.74	2.15	19.44	38.45	V
841.50	-10.86	-33.50	-0.73	2.15	19.76	38.45	V

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

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
824.70	-11.19	-33.60	-0.79	2.15	19.47	38.45	V
836.50	-11.74	-33.50	-0.74	2.15	18.88	38.45	V
848.30	-11.43	-33.50	-0.73	2.15	19.19	38.45	V

LTE Band 26(824MHz-849MHz)_3MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
825.50	-11.29	-33.60	-0.79	2.15	19.36	38.45	V
836.50	-11.83	-33.50	-0.74	2.15	18.78	38.45	V
847.50	-11.42	-33.50	-0.73	2.15	19.20	38.45	V

LTE Band 26(824MHz-849MHz)_5MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
826.50	-11.48	-33.60	-0.79	2.15	19.18	38.45	V
836.50	-12.01	-33.50	-0.74	2.15	18.60	38.45	V
846.50	-11.50	-33.50	-0.73	2.15	19.12	38.45	V

LTE Band 26(824MHz-849MHz)_10MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
829.00	-11.60	-33.60	-0.79	2.15	19.06	38.45	V
836.50	-12.09	-33.50	-0.74	2.15	18.52	38.45	V
844.00	-11.78	-33.50	-0.73	2.15	18.84	38.45	V

LTE Band 26(824MHz-849MHz)_15MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
831.50	-11.71	-33.60	-0.79	2.15	18.95	38.45	V
836.50	-12.17	-33.50	-0.74	2.15	18.44	38.45	V
841.50	-11.86	-33.50	-0.73	2.15	18.76	38.45	V

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

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
814.70	-9.52	-33.70	-0.80	2.15	21.23	50.00	V
819.00	-9.83	-33.60	-0.75	2.15	20.87	50.00	V
823.30	-9.63	-33.60	-0.79	2.15	21.03	50.00	V

LTE Band 26(814MHz-824MHz)_3MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
815.50	-9.69	-33.70	-0.80	2.15	21.06	50.00	V
819.00	-10.01	-33.60	-0.75	2.15	20.70	50.00	V
822.50	-9.84	-33.60	-0.79	2.15	20.82	50.00	V

LTE Band 26(814MHz-824MHz)_5MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
816.50	-9.77	-33.70	-0.80	2.15	20.98	50.00	V
819.00	-10.12	-33.60	-0.75	2.15	20.59	50.00	V
821.50	-9.94	-33.60	-0.79	2.15	20.72	50.00	V

LTE Band 26(814MHz-824MHz)_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
819.00	-9.75	-33.60	-0.80	2.15	20.90	50.00	V
819.00	-10.19	-33.60	-0.75	2.15	20.52	50.00	V
819.00	-10.04	-33.60	-0.79	2.15	20.62	50.00	V

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

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
814.70	-10.54	-33.70	-0.80	2.15	20.21	50.00	V
819.00	-10.84	-33.60	-0.75	2.15	19.86	50.00	V
823.30	-10.78	-33.60	-0.79	2.15	19.88	50.00	V

LTE Band 26(814MHz-824MHz)_3MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
815.50	-10.68	-33.70	-0.80	2.15	20.07	50.00	V
819.00	-11.03	-33.60	-0.75	2.15	19.67	50.00	V
822.50	-10.91	-33.60	-0.79	2.15	19.74	50.00	V

LTE Band 26(814MHz-824MHz)_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
816.50	-10.82	-33.70	-0.80	2.15	19.93	50.00	V
819.00	-11.19	-33.60	-0.75	2.15	19.51	50.00	V
821.50	-10.95	-33.60	-0.79	2.15	19.71	50.00	V

LTE Band 26(814MHz-824MHz)_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
819.00	-10.79	-33.60	-0.80	2.15	19.86	50.00	V
819.00	-11.22	-33.60	-0.75	2.15	19.48	50.00	V
819.00	-11.07	-33.60	-0.79	2.15	19.58	50.00	V

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

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
814.70	-11.56	-33.70	-0.80	2.15	19.19	50.00	V
819.00	-11.94	-33.60	-0.75	2.15	18.76	50.00	V
823.30	-11.80	-33.60	-0.79	2.15	18.85	50.00	V

LTE Band 26(814MHz-824MHz)_3MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
815.50	-11.66	-33.70	-0.80	2.15	19.09	50.00	V
819.00	-12.04	-33.60	-0.75	2.15	18.66	50.00	V
822.50	-11.79	-33.60	-0.79	2.15	18.86	50.00	V

LTE Band 26(814MHz-824MHz)_5MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
816.50	-11.84	-33.70	-0.80	2.15	18.91	50.00	V
819.00	-12.22	-33.60	-0.75	2.15	18.48	50.00	V
821.50	-11.87	-33.60	-0.79	2.15	18.78	50.00	V

LTE Band 26(814MHz-824MHz)_10MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
819.00	-11.86	-33.60	-0.80	2.15	18.79	50.00	V
819.00	-12.30	-33.60	-0.75	2.15	18.40	50.00	V
819.00	-12.15	-33.60	-0.79	2.15	18.51	50.00	V

**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	-17.52	-28.60	10.70	21.78	33.00	H
2595.00	-17.31	-28.60	10.70	21.99	33.00	H
2617.50	-17.11	-28.60	10.70	22.19	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	-17.83	-28.60	10.70	21.47	33.00	H
2595.00	-17.58	-28.60	10.70	21.72	33.00	H
2615.00	-17.41	-28.60	10.70	21.89	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	-17.93	-28.60	10.70	21.37	33.00	H
2595.00	-17.76	-28.60	10.70	21.54	33.00	H
2612.50	-17.60	-28.60	10.70	21.70	33.00	H

LTE Band 38_20MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2580.00	-18.21	-28.60	10.70	21.09	33.00	H
2595.00	-17.97	-28.60	10.70	21.33	33.00	H
2610.00	-17.87	-28.60	10.70	21.43	33.00	H

**LTE Band 38_5MHz_16QAM**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2572.50	-18.59	-28.60	10.70	20.71	33.00	H
2595.00	-18.45	-28.60	10.70	20.85	33.00	H
2617.50	-18.02	-28.60	10.70	21.28	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	-19.00	-28.60	10.70	20.30	33.00	H
2595.00	-18.81	-28.60	10.70	20.49	33.00	H
2615.00	-18.69	-28.60	10.70	20.61	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	-18.67	-28.60	10.70	20.63	33.00	H
2595.00	-18.65	-28.60	10.70	20.65	33.00	H
2612.50	-18.58	-28.60	10.70	20.72	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	-19.18	-28.60	10.70	20.12	33.00	H
2595.00	-19.42	-28.60	10.70	19.88	33.00	H
2610.00	-18.74	-28.60	10.70	20.56	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	-19.49	-28.60	10.70	19.81	33.00	H
2595.00	-19.36	-28.60	10.70	19.94	33.00	H
2617.50	-18.98	-28.60	10.70	20.32	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	-19.87	-28.60	10.70	19.43	33.00	H
2595.00	-19.72	-28.60	10.70	19.58	33.00	H
2615.00	-19.48	-28.60	10.70	19.82	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	-19.77	-28.60	10.70	19.53	33.00	H
2595.00	-19.82	-28.60	10.70	19.48	33.00	H
2612.50	-19.83	-28.60	10.70	19.47	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	-20.07	-28.60	10.70	19.23	33.00	H
2595.00	-20.32	-28.60	10.70	18.98	33.00	H
2610.00	-19.55	-28.60	10.70	19.75	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
2537.50	-17.20	-28.70	10.70	22.20	33.00	H
2595.00	-17.06	-28.60	10.70	22.24	33.00	H
2652.50	-17.14	-28.60	10.70	22.16	33.00	H

LTE Band 41_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2540.00	-17.47	-28.70	10.70	21.93	33.00	H
2595.00	-17.27	-28.60	10.70	22.03	33.00	H
2650.00	-17.45	-28.60	10.70	21.85	33.00	H

LTE Band 41_15MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2542.50	-17.59	-28.70	10.70	21.81	33.00	H
2595.00	-17.57	-28.60	10.70	21.73	33.00	H
2647.50	-17.58	-28.60	10.70	21.72	33.00	H

LTE Band 41_20MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2545.00	-17.86	-28.70	10.70	21.54	33.00	H
2595.00	-17.82	-28.60	10.70	21.48	33.00	H
2645.00	-17.85	-28.60	10.70	21.45	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	-18.36	-28.70	10.70	21.04	33.00	H
2595.00	-18.13	-28.60	10.70	21.17	33.00	H
2652.50	-18.11	-28.60	10.70	21.19	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	-18.76	-28.70	10.70	20.64	33.00	H
2595.00	-18.46	-28.60	10.70	20.84	33.00	H
2650.00	-18.66	-28.60	10.70	20.64	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	-18.57	-28.70	10.70	20.82	33.00	H
2595.00	-18.53	-28.60	10.70	20.77	33.00	H
2647.50	-18.51	-28.60	10.70	20.79	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	-18.98	-28.70	10.70	20.42	33.00	H
2595.00	-18.83	-28.60	10.70	20.47	33.00	H
2645.00	-19.04	-28.60	10.70	20.26	33.00	H

**LTE Band 41_5MHz_64QAM**

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2537.50	-19.29	-28.70	10.70	20.11	33.00	H
2595.00	-19.12	-28.60	10.70	20.18	33.00	H
2652.50	-19.01	-28.60	10.70	20.29	33.00	H

LTE Band 41_10MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2540.00	-19.53	-28.70	10.70	19.87	33.00	H
2595.00	-19.43	-28.60	10.70	19.87	33.00	H
2650.00	-19.61	-28.60	10.70	19.69	33.00	H

LTE Band 41_15MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2542.50	-19.68	-28.70	10.70	19.72	33.00	H
2595.00	-19.74	-28.60	10.70	19.56	33.00	H
2647.50	-19.86	-28.60	10.70	19.44	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
2545.00	-19.89	-28.70	10.70	19.51	33.00	H
2595.00	-19.82	-28.60	10.70	19.48	33.00	H
2645.00	-19.88	-28.60	10.70	19.42	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	-15.81	-29.60	8.10	21.89	30.00	H
1745.00	-15.60	-29.50	8.10	22.00	30.00	H
1779.30	-15.24	-29.50	8.10	22.36	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	-16.02	-29.60	8.10	21.68	30.00	H
1745.00	-15.78	-29.50	8.10	21.82	30.00	H
1778.50	-15.49	-29.50	8.10	22.11	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	-16.16	-29.60	8.10	21.54	30.00	H
1745.00	-15.90	-29.50	8.10	21.70	30.00	H
1777.50	-15.65	-29.50	8.10	21.95	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	-16.24	-29.60	8.10	21.46	30.00	H
1745.00	-16.06	-29.50	8.10	21.54	30.00	H
1775.00	-15.75	-29.50	8.10	21.85	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	-16.35	-29.60	8.10	21.35	30.00	H
1745.00	-16.21	-29.50	8.10	21.39	30.00	H
1772.53	-15.83	-29.50	8.10	21.77	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	-16.51	-29.60	8.10	21.19	30.00	H
1745.00	-16.31	-29.50	8.10	21.29	30.00	H
1770.00	-15.99	-29.50	8.10	21.61	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	-16.83	-29.60	8.10	20.87	30.00	H
1745.00	-16.69	-29.50	8.10	20.91	30.00	H
1779.30	-16.29	-29.50	8.10	21.31	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	-16.91	-29.60	8.10	20.79	30.00	H
1745.00	-16.80	-29.50	8.10	20.80	30.00	H
1778.50	-16.57	-29.50	8.10	21.03	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	-17.21	-29.60	8.10	20.49	30.00	H
1745.00	-16.97	-29.50	8.10	20.63	30.00	H
1777.50	-16.74	-29.50	8.10	20.86	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	-17.28	-29.60	8.10	20.42	30.00	H
1745.00	-17.09	-29.50	8.10	20.51	30.00	H
1775.00	-16.79	-29.50	8.10	20.81	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	-17.36	-29.60	8.10	20.34	30.00	H
1745.00	-17.23	-29.50	8.10	20.37	30.00	H
1772.53	-16.84	-29.50	8.10	20.76	30.00	H

LTE Band 66_20MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1720.00	-17.60	-29.60	8.10	20.10	30.00	H
1745.00	-17.37	-29.50	8.10	20.23	30.00	H
1770.00	-17.09	-29.50	8.10	20.51	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	-17.65	-29.60	8.10	20.05	30.00	H
1745.00	-17.59	-29.50	8.10	20.01	30.00	H
1779.30	-17.12	-29.50	8.10	20.48	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	-17.79	-29.60	8.10	19.91	30.00	H
1745.00	-17.68	-29.50	8.10	19.92	30.00	H
1778.50	-17.44	-29.50	8.10	20.16	30.00	H

LTE Band 66_5MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1712.50	-17.93	-29.60	8.10	19.77	30.00	H
1745.00	-17.70	-29.50	8.10	19.90	30.00	H
1777.50	-17.47	-29.50	8.10	20.13	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	-18.15	-29.60	8.10	19.55	30.00	H
1745.00	-17.97	-29.50	8.10	19.63	30.00	H
1775.00	-17.68	-29.50	8.10	19.92	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	-18.16	-29.60	8.10	19.54	30.00	H
1745.00	-18.03	-29.50	8.10	19.57	30.00	H
1772.53	-17.64	-29.50	8.10	19.96	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	-18.35	-29.60	8.10	19.35	30.00	H
1745.00	-18.21	-29.50	8.10	19.39	30.00	H
1770.00	-17.83	-29.50	8.10	19.77	30.00	H

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.

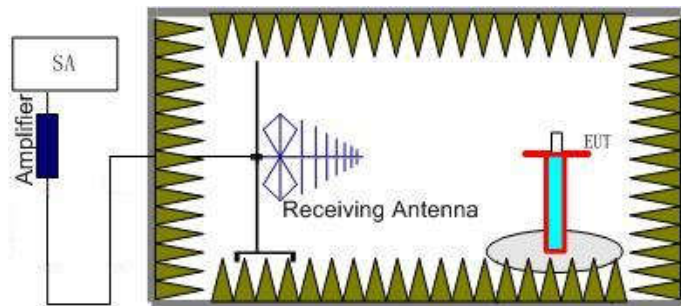
A.2.1 Measurement Method

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

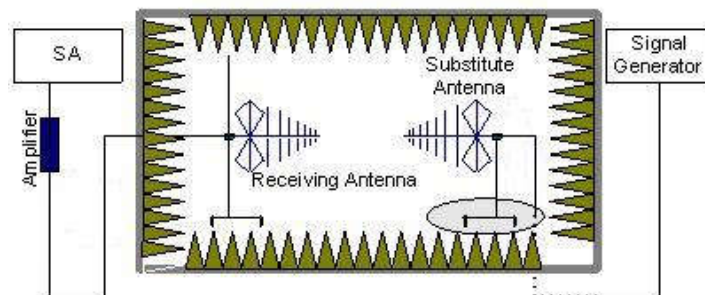
The spectrum was scanned from 30 MHz to the 10th harmonic of the highest frequency generated within the equipment, which is the transmitted carrier. The resolution bandwidth is set 1MHz as outlined in Part 22.917, 24.238, 27.53(h) and 90.691. The spectrum was scanned with the mobile station transmitting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

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16973.50	-44.63	2.90	16.50	-31.03	-13.00	H
17171.50	-43.54	2.90	14.50	-31.94	-13.00	H
17285.50	-43.35	3.20	14.50	-32.05	-13.00	H
17458.50	-40.81	2.90	14.50	-29.21	-13.00	H
17630.50	-39.27	3.30	12.80	-29.77	-13.00	H
17772.50	-38.94	3.60	12.80	-29.74	-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
17057.00	-43.38	2.90	14.50	-31.78	-13.00	H
17203.50	-43.78	2.90	14.50	-32.18	-13.00	H
17363.50	-43.49	3.20	14.50	-32.19	-13.00	H
17444.50	-41.36	2.90	14.50	-29.76	-13.00	H
17626.00	-39.07	3.30	12.80	-29.57	-13.00	H
17817.00	-39.76	3.60	12.80	-30.56	-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
16993.50	-44.62	2.90	16.50	-31.02	-13.00	H
17136.00	-43.55	2.90	14.50	-31.95	-13.00	H
17277.50	-41.96	3.20	14.50	-30.66	-13.00	H
17500.00	-40.19	2.90	12.80	-30.29	-13.00	H
17623.00	-39.80	3.30	12.80	-30.30	-13.00	H
17755.50	-40.19	3.60	12.80	-30.99	-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
16952.50	-45.44	2.90	16.50	-31.84	-13.00	H
17151.00	-42.72	2.90	14.50	-31.12	-13.00	H
17284.00	-42.89	3.20	14.50	-31.59	-13.00	H
17524.50	-39.77	2.90	12.80	-29.87	-13.00	H
17611.50	-39.41	3.30	12.80	-29.91	-13.00	H
17836.50	-39.23	3.60	12.80	-30.03	-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
16980.50	-44.80	2.90	16.50	-31.20	-13.00	H
17198.50	-43.65	2.90	14.50	-32.05	-13.00	H
17257.00	-43.74	3.20	14.50	-32.44	-13.00	H
17398.50	-41.74	2.90	14.50	-30.14	-13.00	H
17569.50	-38.84	3.30	12.80	-29.34	-13.00	H
17684.00	-40.36	3.30	12.80	-30.86	-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
16963.50	-44.86	2.90	16.50	-31.26	-13.00	H
17180.00	-43.84	2.90	14.50	-32.24	-13.00	H
17275.50	-43.31	3.20	14.50	-32.01	-13.00	H
17463.50	-40.49	2.90	14.50	-28.89	-13.00	H
17550.50	-40.32	2.90	12.80	-30.42	-13.00	H
17765.50	-40.01	3.60	12.80	-30.81	-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	-45.32	2.90	16.50	-31.72	-13.00	H
17170.50	-44.13	2.90	14.50	-32.53	-13.00	H
17297.00	-42.85	3.20	14.50	-31.55	-13.00	H
17418.00	-41.13	2.90	14.50	-29.53	-13.00	H
17614.00	-38.72	3.30	12.80	-29.22	-13.00	H
17840.00	-39.72	3.60	12.80	-30.52	-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
16986.50	-44.57	2.90	16.50	-30.97	-13.00	H
17165.00	-43.22	2.90	14.50	-31.62	-13.00	H
17258.50	-42.59	3.20	14.50	-31.29	-13.00	H
17470.00	-41.82	2.90	14.50	-30.22	-13.00	H
17622.00	-39.80	3.30	12.80	-30.30	-13.00	H
17828.00	-40.02	3.60	12.80	-30.82	-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
16985.00	-43.93	2.90	16.50	-30.33	-13.00	H
17124.50	-43.67	2.90	14.50	-32.07	-13.00	H
17356.50	-41.78	3.20	14.50	-30.48	-13.00	H
17433.50	-41.52	2.90	14.50	-29.92	-13.00	H
17568.50	-39.10	3.30	12.80	-29.60	-13.00	H
17821.00	-39.91	3.60	12.80	-30.71	-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
17024.00	-42.41	2.90	14.50	-30.81	-13.00	H
17185.00	-43.66	2.90	14.50	-32.06	-13.00	H
17364.50	-42.29	3.20	14.50	-30.99	-13.00	H
17500.50	-40.07	2.90	12.80	-30.17	-13.00	H
17528.00	-39.50	2.90	12.80	-29.60	-13.00	H
17698.50	-40.50	3.30	12.80	-31.00	-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
16949.50	-44.71	2.90	16.50	-31.11	-13.00	H
17095.00	-43.60	2.90	14.50	-32.00	-13.00	H
17229.00	-42.80	3.20	14.50	-31.50	-13.00	H
17511.00	-39.55	2.90	12.80	-29.65	-13.00	H
17534.50	-38.88	2.90	12.80	-28.98	-13.00	H
17766.50	-38.50	3.60	12.80	-29.30	-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
16936.00	-44.90	2.90	16.50	-31.30	-13.00	H
17161.00	-43.62	2.90	14.50	-32.02	-13.00	H
17339.50	-42.96	3.20	14.50	-31.66	-13.00	H
17460.50	-41.03	2.90	14.50	-29.43	-13.00	H
17615.00	-39.10	3.30	12.80	-29.60	-13.00	H
17818.00	-40.21	3.60	12.80	-31.01	-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
17023.00	-43.00	2.90	14.50	-31.40	-13.00	H
17141.50	-43.25	2.90	14.50	-31.65	-13.00	H
17294.50	-42.40	3.20	14.50	-31.10	-13.00	H
17523.00	-39.00	2.90	12.80	-29.10	-13.00	H
17589.00	-39.50	3.30	12.80	-30.00	-13.00	H
17708.00	-40.12	3.30	12.80	-30.62	-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
16947.00	-45.55	2.90	16.50	-31.95	-13.00	H
17198.50	-43.45	2.90	14.50	-31.85	-13.00	H
17298.00	-43.19	3.20	14.50	-31.89	-13.00	H
17464.50	-41.66	2.90	14.50	-30.06	-13.00	H
17624.00	-38.71	3.30	12.80	-29.21	-13.00	H
17826.00	-40.17	3.60	12.80	-30.97	-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
17001.00	-42.92	2.90	14.50	-31.32	-13.00	H
17186.00	-43.39	2.90	14.50	-31.79	-13.00	H
17352.50	-43.07	3.20	14.50	-31.77	-13.00	H
17461.50	-41.79	2.90	14.50	-30.19	-13.00	H
17618.00	-39.42	3.30	12.80	-29.92	-13.00	H
17784.00	-39.66	3.60	12.80	-30.46	-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
16960.50	-44.71	2.90	16.50	-31.11	-13.00	H
17118.00	-44.05	2.90	14.50	-32.45	-13.00	H
17346.00	-43.43	3.20	14.50	-32.13	-13.00	H
17477.00	-41.32	2.90	14.50	-29.72	-13.00	H
17573.50	-38.92	3.30	12.80	-29.42	-13.00	H
17838.50	-39.88	3.60	12.80	-30.68	-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
16965.50	-44.93	2.90	16.50	-31.33	-13.00	H
17136.50	-43.14	2.90	14.50	-31.54	-13.00	H
17239.50	-42.43	3.20	14.50	-31.13	-13.00	H
17516.50	-39.91	2.90	12.80	-30.01	-13.00	H
17530.50	-39.81	2.90	12.80	-29.91	-13.00	H
17839.00	-39.93	3.60	12.80	-30.73	-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
16966.50	-45.31	2.90	16.50	-31.71	-13.00	H
17128.00	-43.84	2.90	14.50	-32.24	-13.00	H
17353.50	-43.40	3.20	14.50	-32.10	-13.00	H
17441.50	-41.64	2.90	14.50	-30.04	-13.00	H
17617.50	-39.42	3.30	12.80	-29.92	-13.00	H
17837.50	-39.94	3.60	12.80	-30.74	-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
8423.75	-52.30	1.80	11.30	-44.95	-13.00	H
9160.50	-52.23	2.10	11.60	-44.88	-13.00	H
9223.00	-52.06	2.10	11.60	-44.71	-13.00	H
9303.00	-51.53	2.00	11.60	-44.08	-13.00	H
9363.00	-52.49	2.00	11.60	-45.04	-13.00	V
9477.75	-51.67	2.10	11.60	-44.32	-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
9152.25	-51.39	2.10	11.60	-44.04	-13.00	H
9216.00	-51.39	2.10	11.60	-44.04	-13.00	H
9298.00	-51.23	2.00	11.60	-43.78	-13.00	H
9476.00	-51.97	2.10	11.60	-44.62	-13.00	V
9670.00	-51.59	2.20	11.20	-44.74	-13.00	H
9749.50	-51.84	2.20	11.20	-44.99	-13.00	H

LTE Band 5, 1.4MHz, QPSK, Channel 20643

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
9093.25	-52.32	2.20	11.60	-45.07	-13.00	H
9225.50	-51.76	2.10	11.60	-44.41	-13.00	H
9297.00	-50.58	2.00	11.60	-43.13	-13.00	H
9376.00	-52.14	2.00	11.60	-44.69	-13.00	V
9475.25	-52.19	2.10	11.60	-44.84	-13.00	V
9730.25	-51.63	2.20	11.20	-44.78	-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
9152.00	-52.27	2.10	11.60	-44.92	-13.00	H
9225.25	-51.73	2.10	11.60	-44.38	-13.00	H
9296.25	-50.32	2.00	11.60	-42.87	-13.00	H
9362.00	-52.35	2.00	11.60	-44.90	-13.00	H
9474.00	-52.02	2.10	11.60	-44.67	-13.00	V
9719.25	-51.54	2.20	11.20	-44.69	-13.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
9103.25	-52.44	2.20	11.60	-45.19	-13.00	H
9226.25	-51.52	2.10	11.60	-44.17	-13.00	H
9302.25	-51.07	2.00	11.60	-43.62	-13.00	H
9427.25	-51.77	2.10	11.60	-44.42	-13.00	H
9474.00	-52.01	2.10	11.60	-44.66	-13.00	V
9728.25	-50.69	2.20	11.20	-43.84	-13.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
8432.00	-52.51	1.80	11.30	-45.16	-13.00	H
8734.00	-53.17	2.00	12.00	-45.32	-13.00	H
9225.25	-51.16	2.10	11.60	-43.81	-13.00	H
9301.25	-51.85	2.00	11.60	-44.40	-13.00	H
9428.50	-52.06	2.10	11.60	-44.71	-13.00	H
9476.50	-51.68	2.10	11.60	-44.33	-13.00	V

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
9099.25	-52.05	2.20	11.60	-44.80	-13.00	H
9104.75	-52.46	2.20	11.60	-45.21	-13.00	H
9226.50	-51.50	2.10	11.60	-44.15	-13.00	H
9312.25	-50.99	2.00	11.60	-43.54	-13.00	H
9361.50	-52.32	2.00	11.60	-44.87	-13.00	V
9474.75	-51.46	2.10	11.60	-44.11	-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
8365.25	-52.17	1.80	11.30	-44.82	-13.00	H
9148.75	-52.27	2.10	11.60	-44.92	-13.00	H
9227.75	-51.78	2.10	11.60	-44.43	-13.00	H
9298.25	-51.49	2.00	11.60	-44.04	-13.00	H
9425.00	-52.18	2.10	11.60	-44.83	-13.00	H
9476.75	-51.51	2.10	11.60	-44.16	-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
8429.75	-52.21	1.80	11.30	-44.86	-13.00	H
9098.50	-51.79	2.20	11.60	-44.54	-13.00	H
9100.00	-52.05	2.20	11.60	-44.80	-13.00	H
9226.00	-51.08	2.10	11.60	-43.73	-13.00	H
9293.50	-51.31	2.00	11.60	-43.86	-13.00	H
9470.50	-51.83	2.10	11.60	-44.48	-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
16982.50	-55.04	2.90	16.50	-41.44	-25.00	H
17202.50	-53.71	2.90	14.50	-42.11	-25.00	H
17368.00	-53.12	3.20	14.50	-41.82	-25.00	H
17513.50	-50.06	2.90	12.80	-40.16	-25.00	H
17603.50	-49.61	3.30	12.80	-40.11	-25.00	H
17837.00	-49.80	3.60	12.80	-40.60	-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
16978.50	-54.98	2.90	16.50	-41.38	-25.00	H
17203.00	-53.65	2.90	14.50	-42.05	-25.00	H
17299.00	-53.16	3.20	14.50	-41.86	-25.00	H
17522.50	-49.84	2.90	12.80	-39.94	-25.00	H
17589.50	-49.04	3.30	12.80	-39.54	-25.00	H
17836.50	-49.75	3.60	12.80	-40.55	-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
16990.50	-55.01	2.90	16.50	-41.41	-25.00	H
17099.00	-53.67	2.90	14.50	-42.07	-25.00	H
17299.00	-52.58	3.20	14.50	-41.28	-25.00	H
17437.50	-51.56	2.90	14.50	-39.96	-25.00	H
17593.50	-49.35	3.30	12.80	-39.85	-25.00	H
17774.50	-49.65	3.60	12.80	-40.45	-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
16981.50	-55.14	2.90	16.50	-41.54	-25.00	H
17144.50	-54.00	2.90	14.50	-42.40	-25.00	H
17299.00	-53.11	3.20	14.50	-41.81	-25.00	H
17518.00	-49.90	2.90	12.80	-40.00	-25.00	H
17593.50	-49.41	3.30	12.80	-39.91	-25.00	H
17777.00	-49.98	3.60	12.80	-40.78	-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
16976.50	-55.06	2.90	16.50	-41.46	-25.00	H
17207.00	-53.75	2.90	14.50	-42.15	-25.00	H
17295.00	-52.77	3.20	14.50	-41.47	-25.00	H
17449.00	-51.53	2.90	14.50	-39.93	-25.00	H
17620.50	-49.39	3.30	12.80	-39.89	-25.00	H
17839.00	-49.77	3.60	12.80	-40.57	-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
16989.50	-55.26	2.90	16.50	-41.66	-25.00	H
17208.00	-53.59	2.90	14.50	-41.99	-25.00	H
17368.00	-52.91	3.20	14.50	-41.61	-25.00	H
17456.50	-51.66	2.90	14.50	-40.06	-25.00	H
17596.00	-49.50	3.30	12.80	-40.00	-25.00	H
17839.00	-49.57	3.60	12.80	-40.37	-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
16978.50	-55.03	2.90	16.50	-41.43	-25.00	H
17185.50	-53.57	2.90	14.50	-41.97	-25.00	H
17366.50	-52.88	3.20	14.50	-41.58	-25.00	H
17506.50	-49.94	2.90	12.80	-40.04	-25.00	H
17622.00	-49.06	3.30	12.80	-39.56	-25.00	H
17839.50	-49.63	3.60	12.80	-40.43	-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
16985.50	-55.29	2.90	16.50	-41.69	-25.00	H
17185.50	-53.88	2.90	14.50	-42.28	-25.00	H
17275.50	-53.33	3.20	14.50	-42.03	-25.00	H
17506.50	-49.99	2.90	12.80	-40.09	-25.00	H
17625.00	-49.11	3.30	12.80	-39.61	-25.00	H
17838.00	-49.86	3.60	12.80	-40.66	-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
16956.00	-55.04	2.90	16.50	-41.44	-25.00	H
17212.00	-53.72	2.90	14.50	-42.12	-25.00	H
17298.00	-53.14	3.20	14.50	-41.84	-25.00	H
17505.00	-49.55	2.90	12.80	-39.65	-25.00	H
17527.00	-49.91	2.90	12.80	-40.01	-25.00	H
17777.00	-49.80	3.60	12.80	-40.60	-25.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
1564.50	-59.44	0.70	8.10	-54.19	-40.00	V
7191.75	-52.17	1.80	12.00	-44.12	-13.00	V
9301.88	-50.79	2.00	11.60	-43.34	-13.00	H
9474.12	-50.52	2.10	11.60	-43.17	-13.00	V
9734.12	-51.17	2.20	11.20	-44.32	-13.00	H
9796.00	-51.11	2.30	11.20	-44.36	-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
1575.50	-59.52	0.70	8.10	-54.27	-40.00	V
9095.12	-51.48	2.20	11.60	-44.23	-13.00	H
9301.25	-50.36	2.00	11.60	-42.91	-13.00	H
9424.62	-50.94	2.10	11.60	-43.59	-13.00	H
9752.62	-51.07	2.20	11.20	-44.22	-13.00	H
9800.88	-51.18	2.30	11.20	-44.43	-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
1568.50	-58.98	0.70	8.10	-53.73	-40.00	V
8524.50	-52.32	2.10	12.00	-44.57	-13.00	H
9301.50	-50.56	2.00	11.60	-43.11	-13.00	H
9473.50	-51.02	2.10	11.60	-43.67	-13.00	V
9713.00	-51.28	2.20	11.20	-44.43	-13.00	H
9787.38	-51.21	2.30	11.20	-44.46	-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
1577.50	-59.90	0.70	8.10	-54.65	-40.00	V
9100.38	-52.00	2.20	11.60	-44.75	-13.00	H
9302.25	-50.56	2.00	11.60	-43.11	-13.00	H
9479.50	-50.86	2.10	11.60	-43.51	-13.00	V
9741.62	-50.91	2.20	11.20	-44.06	-13.00	H
9775.12	-50.83	2.30	11.20	-44.08	-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
1564.00	-60.00	0.70	8.10	-54.75	-40.00	V
9101.12	-51.72	2.20	11.60	-44.47	-13.00	H
9302.00	-50.85	2.00	11.60	-43.40	-13.00	H
9476.00	-50.48	2.10	11.60	-43.13	-13.00	V
9720.00	-51.49	2.20	11.20	-44.64	-13.00	H
9773.38	-51.29	2.30	11.20	-44.54	-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
1564.00	-59.59	0.70	8.10	-54.34	-40.00	V
9097.38	-51.86	2.20	11.60	-44.61	-13.00	H
9297.25	-50.41	2.00	11.60	-42.96	-13.00	H
9472.12	-50.91	2.10	11.60	-43.56	-13.00	V
9723.38	-51.09	2.20	11.20	-44.24	-13.00	H
9804.00	-51.55	2.30	11.20	-44.80	-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
1571.00	-59.49	0.70	8.10	-54.24	-40.00	V
9106.38	-51.79	2.10	11.60	-44.44	-13.00	H
9296.88	-51.19	2.00	11.60	-43.74	-13.00	H
9470.62	-50.54	2.10	11.60	-43.19	-13.00	V
9720.00	-49.91	2.20	11.20	-43.06	-13.00	H
9793.12	-50.26	2.30	11.20	-43.51	-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
1569.00	-59.90	0.70	8.10	-54.65	-40.00	V
9095.38	-51.57	2.20	11.60	-44.32	-13.00	H
9298.25	-50.89	2.00	11.60	-43.44	-13.00	H
9478.12	-51.67	2.10	11.60	-44.32	-13.00	V
9727.25	-50.97	2.20	11.20	-44.12	-13.00	H
9801.75	-51.34	2.30	11.20	-44.59	-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
1574.00	-59.02	0.70	8.10	-53.77	-40.00	V
9103.62	-52.01	2.20	11.60	-44.76	-13.00	H
9302.00	-50.94	2.00	11.60	-43.49	-13.00	H
9473.75	-51.28	2.10	11.60	-43.93	-13.00	V
9724.00	-51.07	2.20	11.20	-44.22	-13.00	H
9799.62	-51.05	2.30	11.20	-44.30	-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
9171.50	-51.92	2.10	11.60	-44.57	-13.00	V
9226.25	-51.94	2.10	11.60	-44.59	-13.00	H
9298.25	-50.34	2.00	11.60	-42.89	-13.00	H
9371.00	-52.09	2.00	11.60	-44.64	-13.00	V
9711.75	-51.65	2.20	11.20	-44.80	-13.00	H
9733.00	-51.10	2.20	11.20	-44.25	-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
8411.00	-52.07	1.80	11.30	-44.72	-13.00	H
9224.75	-51.95	2.10	11.60	-44.60	-13.00	H
9299.50	-51.58	2.00	11.60	-44.13	-13.00	H
9372.25	-51.73	2.00	11.60	-44.28	-13.00	H
9474.75	-50.77	2.10	11.60	-43.42	-13.00	V
9651.00	-51.67	2.10	11.20	-44.72	-13.00	H

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
8731.75	-53.05	2.00	12.00	-45.20	-13.00	V
9100.50	-52.12	2.20	11.60	-44.87	-13.00	H
9223.75	-51.58	2.10	11.60	-44.23	-13.00	H
9323.25	-51.82	2.00	11.60	-44.37	-13.00	V
9427.75	-52.02	2.10	11.60	-44.67	-13.00	H
9476.00	-52.07	2.10	11.60	-44.72	-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
8419.25	-52.32	1.80	11.30	-44.97	-13.00	H
9103.25	-51.45	2.20	11.60	-44.20	-13.00	H
9222.50	-51.76	2.10	11.60	-44.41	-13.00	H
9302.75	-51.31	2.00	11.60	-43.86	-13.00	H
9428.50	-52.08	2.10	11.60	-44.73	-13.00	H
9477.25	-51.29	2.10	11.60	-43.94	-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
9098.25	-52.21	2.20	11.60	-44.96	-13.00	H
9100.75	-51.71	2.20	11.60	-44.46	-13.00	H
9226.50	-51.59	2.10	11.60	-44.24	-13.00	H
9299.25	-50.85	2.00	11.60	-43.40	-13.00	H
9440.25	-52.70	2.10	11.60	-45.35	-13.00	H
9473.75	-51.63	2.10	11.60	-44.28	-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
8487.00	-52.15	1.80	11.30	-44.80	-13.00	H
9099.25	-51.82	2.20	11.60	-44.57	-13.00	H
9219.50	-51.76	2.10	11.60	-44.41	-13.00	H
9301.75	-51.44	2.00	11.60	-43.99	-13.00	H
9474.75	-51.82	2.10	11.60	-44.47	-13.00	V
9790.50	-51.26	2.30	11.20	-44.51	-13.00	H

**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
8480.25	-52.18	1.80	11.30	-44.83	-13.00	H
9102.50	-52.45	2.20	11.60	-45.20	-13.00	H
9224.00	-51.66	2.10	11.60	-44.31	-13.00	H
9299.75	-51.75	2.00	11.60	-44.30	-13.00	H
9473.25	-51.32	2.10	11.60	-43.97	-13.00	V
9669.00	-51.63	2.20	11.20	-44.78	-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
9094.75	-52.00	2.20	11.60	-44.75	-13.00	H
9150.00	-51.71	2.10	11.60	-44.36	-13.00	H
9226.25	-51.36	2.10	11.60	-44.01	-13.00	H
9300.00	-51.22	2.00	11.60	-43.77	-13.00	H
9431.25	-52.28	2.10	11.60	-44.93	-13.00	H
9475.00	-50.29	2.10	11.60	-42.94	-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
9172.75	-51.64	2.10	11.60	-44.29	-13.00	H
9220.25	-51.81	2.10	11.60	-44.46	-13.00	H
9306.50	-51.46	2.00	11.60	-44.01	-13.00	H
9424.25	-52.37	2.10	11.60	-45.02	-13.00	H
9475.75	-51.17	2.10	11.60	-43.82	-13.00	V
9714.75	-52.23	2.20	11.20	-45.38	-13.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
7888.25	-52.25	1.70	11.30	-44.80	-13.00	H
8892.75	-51.86	1.90	12.00	-43.91	-13.00	H
9151.75	-51.25	2.10	11.60	-43.90	-13.00	H
9226.75	-51.66	2.10	11.60	-44.31	-13.00	H
9305.25	-51.25	2.00	11.60	-43.80	-13.00	H
9473.25	-51.57	2.10	11.60	-44.22	-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
9150.50	-51.28	2.10	11.60	-43.93	-13.00	H
9221.50	-51.71	2.10	11.60	-44.36	-13.00	H
9301.00	-51.83	2.00	11.60	-44.38	-13.00	H
9476.00	-51.70	2.10	11.60	-44.35	-13.00	V
9707.50	-51.19	2.20	11.20	-44.34	-13.00	H
9735.50	-51.39	2.20	11.20	-44.54	-13.00	H

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
9101.75	-52.06	2.20	11.60	-44.81	-13.00	H
9225.00	-51.06	2.10	11.60	-43.71	-13.00	H
9295.00	-50.26	2.00	11.60	-42.81	-13.00	H
9420.50	-52.34	2.10	11.60	-44.99	-13.00	H
9476.25	-51.89	2.10	11.60	-44.54	-13.00	V
9711.00	-51.46	2.20	11.20	-44.61	-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
9098.75	-52.07	2.20	11.60	-44.82	-13.00	H
9100.25	-50.71	2.20	11.60	-43.46	-13.00	H
9224.75	-52.06	2.10	11.60	-44.71	-13.00	H
9301.75	-51.56	2.00	11.60	-44.11	-13.00	H
9426.00	-52.11	2.10	11.60	-44.76	-13.00	H
9467.00	-52.03	2.10	11.60	-44.68	-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
8434.00	-52.22	1.80	11.30	-44.87	-13.00	H
9175.50	-52.22	2.10	11.60	-44.87	-13.00	H
9227.00	-51.90	2.10	11.60	-44.55	-13.00	H
9299.75	-50.79	2.00	11.60	-43.34	-13.00	H
9425.75	-51.91	2.10	11.60	-44.56	-13.00	H
9490.25	-52.02	2.10	11.60	-44.67	-13.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
7327.00	-52.81	1.70	12.00	-44.66	-13.00	H
8381.75	-52.21	1.80	11.30	-44.86	-13.00	H
9226.50	-50.18	2.10	11.60	-42.83	-13.00	H
9297.25	-51.56	2.00	11.60	-44.11	-13.00	H
9363.00	-52.00	2.00	11.60	-44.55	-13.00	V
9474.50	-52.17	2.10	11.60	-44.82	-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
8426.50	-52.26	1.80	11.30	-44.91	-13.00	H
9158.50	-52.02	2.10	11.60	-44.67	-13.00	H
9225.00	-51.59	2.10	11.60	-44.24	-13.00	H
9301.50	-52.04	2.00	11.60	-44.59	-13.00	H
9426.00	-51.90	2.10	11.60	-44.55	-13.00	H
9473.75	-51.59	2.10	11.60	-44.24	-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
8803.50	-53.13	1.90	12.00	-45.18	-13.00	V
9154.00	-52.22	2.10	11.60	-44.87	-13.00	H
9221.75	-50.99	2.10	11.60	-43.64	-13.00	H
9299.75	-51.84	2.00	11.60	-44.39	-13.00	H
9422.75	-52.20	2.10	11.60	-44.85	-13.00	H
9471.00	-51.85	2.10	11.60	-44.50	-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
8428.75	-51.15	1.80	11.30	-43.80	-13.00	H
9147.75	-52.09	2.10	11.60	-44.74	-13.00	H
9227.00	-50.20	2.10	11.60	-42.85	-13.00	H
9300.00	-50.84	2.00	11.60	-43.39	-13.00	H
9394.00	-52.02	2.10	11.60	-44.67	-13.00	V
9474.75	-50.96	2.10	11.60	-43.61	-13.00	V

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
17003.50	-53.09	2.90	14.50	-41.49	-25.00	H
17117.00	-53.91	2.90	14.50	-42.31	-25.00	H
17346.50	-53.32	3.20	14.50	-42.02	-25.00	H
17522.50	-49.93	2.90	12.80	-40.03	-25.00	H
17601.50	-49.64	3.30	12.80	-40.14	-25.00	H
17840.00	-49.96	3.60	12.80	-40.76	-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
16966.00	-54.91	2.90	16.50	-41.31	-25.00	H
17188.00	-53.88	2.90	14.50	-42.28	-25.00	H
17279.00	-53.17	3.20	14.50	-41.87	-25.00	H
17506.50	-49.97	2.90	12.80	-40.07	-25.00	H
17596.00	-49.02	3.30	12.80	-39.52	-25.00	H
17798.00	-49.84	3.60	12.80	-40.64	-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
16978.50	-54.97	2.90	16.50	-41.37	-25.00	H
17128.50	-54.00	2.90	14.50	-42.40	-25.00	H
17299.00	-53.13	3.20	14.50	-41.83	-25.00	H
17521.00	-49.59	2.90	12.80	-39.69	-25.00	H
17623.00	-49.55	3.30	12.80	-40.05	-25.00	H
17835.50	-49.96	3.60	12.80	-40.76	-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
16984.00	-54.93	2.90	16.50	-41.33	-25.00	H
17132.50	-53.64	2.90	14.50	-42.04	-25.00	H
17274.50	-53.32	3.20	14.50	-42.02	-25.00	H
17524.50	-50.12	2.90	12.80	-40.22	-25.00	H
17535.50	-49.77	2.90	12.80	-39.87	-25.00	H
17840.00	-49.74	3.60	12.80	-40.54	-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
16936.00	-55.09	2.90	16.50	-41.49	-25.00	H
17191.00	-53.94	2.90	14.50	-42.34	-25.00	H
17368.50	-53.29	3.20	14.50	-41.99	-25.00	H
17524.50	-50.33	2.90	12.80	-40.43	-25.00	H
17576.00	-49.39	3.30	12.80	-39.89	-25.00	H
17840.00	-49.83	3.60	12.80	-40.63	-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
16987.50	-55.16	2.90	16.50	-41.56	-25.00	H
17121.50	-53.86	2.90	14.50	-42.26	-25.00	H
17366.50	-53.14	3.20	14.50	-41.84	-25.00	H
17459.50	-51.54	2.90	14.50	-39.94	-25.00	H
17586.50	-49.20	3.30	12.80	-39.70	-25.00	H
17840.00	-49.34	3.60	12.80	-40.14	-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
16937.00	-55.04	2.90	16.50	-41.44	-25.00	H
17104.00	-53.91	2.90	14.50	-42.31	-25.00	H
17279.00	-53.23	3.20	14.50	-41.93	-25.00	H
17523.50	-49.94	2.90	12.80	-40.04	-25.00	H
17586.00	-49.66	3.30	12.80	-40.16	-25.00	H
17839.00	-49.91	3.60	12.80	-40.71	-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
16959.50	-55.04	2.90	16.50	-41.44	-25.00	H
17180.50	-53.86	2.90	14.50	-42.26	-25.00	H
17368.00	-53.13	3.20	14.50	-41.83	-25.00	H
17509.50	-50.16	2.90	12.80	-40.26	-25.00	H
17621.50	-49.58	3.30	12.80	-40.08	-25.00	H
17773.50	-49.91	3.60	12.80	-40.71	-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
16983.00	-55.25	2.90	16.50	-41.65	-25.00	H
17095.50	-53.89	2.90	14.50	-42.29	-25.00	H
17299.00	-53.32	3.20	14.50	-42.02	-25.00	H
17524.00	-50.07	2.90	12.80	-40.17	-25.00	H
17622.00	-49.42	3.30	12.80	-39.92	-25.00	H
17840.00	-49.95	3.60	12.80	-40.75	-25.00	H

**LTE Band 41, 5MHz, QPSK, Channel 40065**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16982.00	-55.19	2.90	16.50	-41.59	-25.00	H
17128.00	-54.04	2.90	14.50	-42.44	-25.00	H
17301.00	-53.22	3.20	14.50	-41.92	-25.00	H
17458.00	-51.97	2.90	14.50	-40.37	-25.00	H
17602.00	-49.53	3.30	12.80	-40.03	-25.00	H
17773.50	-49.99	3.60	12.80	-40.79	-25.00	H

LTE Band 41, 5MHz, QPSK, Channel 40640

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16965.00	-54.99	2.90	16.50	-41.39	-25.00	H
17202.00	-53.86	2.90	14.50	-42.26	-25.00	H
17299.00	-53.34	3.20	14.50	-42.04	-25.00	H
17525.00	-50.15	2.90	12.80	-40.25	-25.00	H
17617.00	-49.58	3.30	12.80	-40.08	-25.00	H
17839.00	-49.99	3.60	12.80	-40.79	-25.00	H

LTE Band 41, 5MHz, QPSK, Channel 41215

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16943.00	-54.93	2.90	16.50	-41.33	-25.00	H
17168.00	-53.37	2.90	14.50	-41.77	-25.00	H
17364.50	-52.77	3.20	14.50	-41.47	-25.00	H
17455.00	-51.63	2.90	14.50	-40.03	-25.00	H
17623.50	-49.15	3.30	12.80	-39.65	-25.00	H
17839.50	-49.49	3.60	12.80	-40.29	-25.00	H

**LTE Band 41, 5MHz, 16QAM, Channel 40065**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16992.00	-55.15	2.90	16.50	-41.55	-25.00	H
17207.00	-53.76	2.90	14.50	-42.16	-25.00	H
17297.00	-53.32	3.20	14.50	-42.02	-25.00	H
17524.00	-50.12	2.90	12.80	-40.22	-25.00	H
17605.00	-49.68	3.30	12.80	-40.18	-25.00	H
17779.00	-49.94	3.60	12.80	-40.74	-25.00	H

LTE Band 41, 5MHz, 16QAM, Channel 40640

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16945.50	-55.04	2.90	16.50	-41.44	-25.00	H
17210.50	-54.12	2.90	14.50	-42.52	-25.00	H
17276.50	-53.07	3.20	14.50	-41.77	-25.00	H
17520.00	-50.19	2.90	12.80	-40.29	-25.00	H
17601.50	-49.80	3.30	12.80	-40.30	-25.00	H
17837.00	-49.78	3.60	12.80	-40.58	-25.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16943.50	-55.13	2.90	16.50	-41.53	-25.00	H
17180.50	-53.78	2.90	14.50	-42.18	-25.00	H
17276.00	-52.71	3.20	14.50	-41.41	-25.00	H
17512.50	-50.13	2.90	12.80	-40.23	-25.00	H
17622.00	-49.46	3.30	12.80	-39.96	-25.00	H
17837.00	-49.83	3.60	12.80	-40.63	-25.00	H

**LTE Band 41, 5MHz, 64QAM, Channel 40065**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16955.00	-55.05	2.90	16.50	-41.45	-25.00	H
17209.00	-53.98	2.90	14.50	-42.38	-25.00	H
17289.00	-53.32	3.20	14.50	-42.02	-25.00	H
17459.00	-51.86	2.90	14.50	-40.26	-25.00	H
17577.00	-49.21	3.30	12.80	-39.71	-25.00	H
17771.50	-49.56	3.60	12.80	-40.36	-25.00	H

LTE Band 41, 5MHz, 64QAM, Channel 40640

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16959.50	-55.23	2.90	16.50	-41.63	-25.00	H
17191.50	-54.03	2.90	14.50	-42.43	-25.00	H
17298.50	-53.34	3.20	14.50	-42.04	-25.00	H
17524.00	-50.03	2.90	12.80	-40.13	-25.00	H
17585.00	-49.01	3.30	12.80	-39.51	-25.00	H
17840.00	-49.80	3.60	12.80	-40.60	-25.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16945.50	-55.04	2.90	16.50	-41.44	-25.00	H
17209.00	-53.87	2.90	14.50	-42.27	-25.00	H
17283.00	-53.28	3.20	14.50	-41.98	-25.00	H
17506.50	-50.17	2.90	12.80	-40.27	-25.00	H
17606.50	-49.38	3.30	12.80	-39.88	-25.00	H
17839.00	-50.05	3.60	12.80	-40.85	-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
16885.00	-45.09	2.90	16.50	-31.49	-13.00	H
16998.50	-44.87	2.90	16.50	-31.27	-13.00	H
17300.50	-42.55	3.20	14.50	-31.25	-13.00	H
17520.50	-40.14	2.90	12.80	-30.24	-13.00	H
17584.00	-39.14	3.30	12.80	-29.64	-13.00	H
17839.00	-40.26	3.60	12.80	-31.06	-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
16964.00	-45.18	2.90	16.50	-31.58	-13.00	H
17173.50	-43.90	2.90	14.50	-32.30	-13.00	H
17249.50	-42.89	3.20	14.50	-31.59	-13.00	H
17507.00	-40.02	2.90	12.80	-30.12	-13.00	H
17590.50	-39.48	3.30	12.80	-29.98	-13.00	H
17837.50	-39.56	3.60	12.80	-30.36	-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
16985.00	-44.58	2.90	16.50	-30.98	-13.00	H
17110.00	-43.71	2.90	14.50	-32.11	-13.00	H
17302.50	-43.02	3.20	14.50	-31.72	-13.00	H
17458.50	-41.55	2.90	14.50	-29.95	-13.00	H
17611.00	-38.98	3.30	12.80	-29.48	-13.00	H
17821.50	-39.22	3.60	12.80	-30.02	-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
16987.00	-44.59	2.90	16.50	-30.99	-13.00	H
17172.00	-43.60	2.90	14.50	-32.00	-13.00	H
17336.00	-43.07	3.20	14.50	-31.77	-13.00	H
17510.00	-39.93	2.90	12.80	-30.03	-13.00	H
17586.00	-38.86	3.30	12.80	-29.36	-13.00	H
17706.00	-40.44	3.30	12.80	-30.94	-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
16942.00	-44.07	2.90	16.50	-30.47	-13.00	H
17121.00	-43.38	2.90	14.50	-31.78	-13.00	H
17350.00	-42.86	3.20	14.50	-31.56	-13.00	H
17525.00	-39.72	2.90	12.80	-29.82	-13.00	H
17594.50	-39.45	3.30	12.80	-29.95	-13.00	H
17815.00	-40.24	3.60	12.80	-31.04	-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
17004.00	-43.18	2.90	14.50	-31.58	-13.00	H
17163.50	-43.73	2.90	14.50	-32.13	-13.00	H
17353.00	-42.41	3.20	14.50	-31.11	-13.00	H
17504.00	-39.45	2.90	12.80	-29.55	-13.00	H
17579.00	-39.08	3.30	12.80	-29.58	-13.00	H
17770.50	-39.51	3.60	12.80	-30.31	-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
16952.50	-45.39	2.90	16.50	-31.79	-13.00	H
17211.00	-43.58	2.90	14.50	-31.98	-13.00	H
17308.50	-43.59	3.20	14.50	-32.29	-13.00	H
17461.50	-41.01	2.90	14.50	-29.41	-13.00	H
17591.00	-39.34	3.30	12.80	-29.84	-13.00	H
17817.50	-39.11	3.60	12.80	-29.91	-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
16983.50	-45.64	2.90	16.50	-32.04	-13.00	H
17184.50	-43.35	2.90	14.50	-31.75	-13.00	H
17307.50	-43.37	3.20	14.50	-32.07	-13.00	H
17483.50	-41.93	2.90	14.50	-30.33	-13.00	H
17615.00	-40.04	3.30	12.80	-30.54	-13.00	H
17820.00	-39.54	3.60	12.80	-30.34	-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
16971.00	-45.26	2.90	16.50	-31.66	-13.00	H
17193.50	-44.19	2.90	14.50	-32.59	-13.00	H
17246.50	-43.66	3.20	14.50	-32.36	-13.00	H
17448.00	-40.87	2.90	14.50	-29.27	-13.00	H
17603.00	-39.42	3.30	12.80	-29.92	-13.00	H
17796.00	-40.39	3.60	12.80	-31.19	-13.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16925.50	-45.17	2.90	16.50	-31.57	-13.00	H
17105.00	-43.54	2.90	14.50	-31.94	-13.00	H
17367.00	-42.16	3.20	14.50	-30.86	-13.00	H
17426.00	-41.90	2.90	14.50	-30.30	-13.00	H
17592.00	-39.37	3.30	12.80	-29.87	-13.00	H
17694.00	-40.05	3.30	12.80	-30.55	-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
16999.50	-44.37	2.90	16.50	-30.77	-13.00	H
17123.00	-43.40	2.90	14.50	-31.80	-13.00	H
17265.50	-42.13	3.20	14.50	-30.83	-13.00	H
17474.00	-41.84	2.90	14.50	-30.24	-13.00	H
17622.50	-39.63	3.30	12.80	-30.13	-13.00	H
17823.00	-39.73	3.60	12.80	-30.53	-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
16979.00	-45.05	2.90	16.50	-31.45	-13.00	H
17121.50	-43.43	2.90	14.50	-31.83	-13.00	H
17275.50	-42.74	3.20	14.50	-31.44	-13.00	H
17464.50	-41.08	2.90	14.50	-29.48	-13.00	H
17569.00	-39.25	3.30	12.80	-29.75	-13.00	H
17799.00	-40.26	3.60	12.80	-31.06	-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
16982.00	-45.10	2.90	16.50	-31.50	-13.00	H
17208.50	-43.62	2.90	14.50	-32.02	-13.00	H
17230.50	-43.10	3.20	14.50	-31.80	-13.00	H
17500.50	-40.29	2.90	12.80	-30.39	-13.00	H
17583.50	-39.94	3.30	12.80	-30.44	-13.00	H
17820.50	-39.74	3.60	12.80	-30.54	-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
16955.00	-44.42	2.90	16.50	-30.82	-13.00	H
17149.50	-43.43	2.90	14.50	-31.83	-13.00	H
17283.00	-42.77	3.20	14.50	-31.47	-13.00	H
17448.00	-41.10	2.90	14.50	-29.50	-13.00	H
17607.50	-39.87	3.30	12.80	-30.37	-13.00	H
17689.50	-39.92	3.30	12.80	-30.42	-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
16977.50	-43.45	2.90	16.50	-29.85	-13.00	H
17115.00	-42.15	2.90	14.50	-30.55	-13.00	H
17278.00	-41.56	3.20	14.50	-30.26	-13.00	H
17449.00	-39.99	2.90	14.50	-28.39	-13.00	H
17611.50	-37.44	3.30	12.80	-27.94	-13.00	H
17821.00	-38.50	3.60	12.80	-29.30	-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
17005.00	-42.76	2.90	14.50	-31.16	-13.00	H
17095.50	-43.85	2.90	14.50	-32.25	-13.00	H
17279.50	-42.53	3.20	14.50	-31.23	-13.00	H
17425.50	-41.99	2.90	14.50	-30.39	-13.00	H
17585.00	-39.53	3.30	12.80	-30.03	-13.00	H
17776.50	-39.78	3.60	12.80	-30.58	-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
16983.50	-45.04	2.90	16.50	-31.44	-13.00	H
17109.00	-44.00	2.90	14.50	-32.40	-13.00	H
17360.50	-42.55	3.20	14.50	-31.25	-13.00	H
17457.50	-41.53	2.90	14.50	-29.93	-13.00	H
17620.00	-39.28	3.30	12.80	-29.78	-13.00	H
17840.00	-39.70	3.60	12.80	-30.50	-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
16974.50	-43.37	2.90	16.50	-29.77	-13.00	H
17133.50	-41.83	2.90	14.50	-30.23	-13.00	H
17254.50	-41.13	3.20	14.50	-29.83	-13.00	H
17417.50	-40.22	2.90	14.50	-28.62	-13.00	H
17565.50	-37.85	3.30	12.80	-28.35	-13.00	H
17819.50	-37.71	3.60	12.80	-28.51	-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
16979.00	-44.79	2.90	16.50	-31.19	-13.00	H
17116.00	-43.22	2.90	14.50	-31.62	-13.00	H
17292.00	-43.29	3.20	14.50	-31.99	-13.00	H
17462.00	-41.33	2.90	14.50	-29.73	-13.00	H
17613.50	-38.85	3.30	12.80	-29.35	-13.00	H
17814.00	-39.85	3.60	12.80	-30.65	-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
17007.50	-42.90	2.90	14.50	-31.30	-13.00	H
17193.00	-43.87	2.90	14.50	-32.27	-13.00	H
17271.50	-42.67	3.20	14.50	-31.37	-13.00	H
17444.00	-41.74	2.90	14.50	-30.14	-13.00	H
17596.00	-39.88	3.30	12.80	-30.38	-13.00	H
17793.00	-40.28	3.60	12.80	-31.08	-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
16952.00	-43.78	2.90	16.50	-30.18	-13.00	H
17186.00	-43.23	2.90	14.50	-31.63	-13.00	H
17294.00	-43.02	3.20	14.50	-31.72	-13.00	H
17494.50	-41.64	2.90	14.50	-30.04	-13.00	H
17609.00	-39.14	3.30	12.80	-29.64	-13.00	H
17832.50	-39.87	3.60	12.80	-30.67	-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
16985.50	-45.52	2.90	16.50	-31.92	-13.00	H
17197.00	-43.90	2.90	14.50	-32.30	-13.00	H
17314.00	-43.49	3.20	14.50	-32.19	-13.00	H
17507.00	-40.45	2.90	12.80	-30.55	-13.00	H
17568.00	-39.81	3.30	12.80	-30.31	-13.00	H
17794.00	-39.83	3.60	12.80	-30.63	-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
16951.50	-44.75	2.90	16.50	-31.15	-13.00	H
17212.50	-44.17	2.90	14.50	-32.57	-13.00	H
17300.50	-42.93	3.20	14.50	-31.63	-13.00	H
17511.50	-40.23	2.90	12.80	-30.33	-13.00	H
17536.00	-40.32	2.90	12.80	-30.42	-13.00	H
17840.00	-39.83	3.60	12.80	-30.63	-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
17009.00	-43.17	2.90	14.50	-31.57	-13.00	H
17096.00	-43.56	2.90	14.50	-31.96	-13.00	H
17338.50	-42.99	3.20	14.50	-31.69	-13.00	H
17465.50	-42.14	2.90	14.50	-30.54	-13.00	H
17596.50	-39.22	3.30	12.80	-29.72	-13.00	H
17837.50	-39.79	3.60	12.80	-30.59	-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
16961.00	-45.28	2.90	16.50	-31.68	-13.00	H
17136.50	-43.68	2.90	14.50	-32.08	-13.00	H
17225.00	-43.20	3.20	14.50	-31.90	-13.00	H
17501.50	-39.42	2.90	12.80	-29.52	-13.00	H
17604.50	-39.80	3.30	12.80	-30.30	-13.00	H
17832.50	-39.17	3.60	12.80	-29.97	-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
16889.00	-46.23	2.90	16.50	-32.63	-13.00	H
16967.50	-45.18	2.90	16.50	-31.58	-13.00	H
17278.00	-42.92	3.20	14.50	-31.62	-13.00	H
17493.00	-41.81	2.90	14.50	-30.21	-13.00	H
17655.50	-39.03	3.30	12.80	-29.53	-13.00	H
17820.50	-39.85	3.60	12.80	-30.65	-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
16956.00	-45.00	2.90	16.50	-31.40	-13.00	H
17184.50	-43.58	2.90	14.50	-31.98	-13.00	H
17312.00	-43.60	3.20	14.50	-32.30	-13.00	H
17517.50	-40.14	2.90	12.80	-30.24	-13.00	H
17635.00	-39.21	3.30	12.80	-29.71	-13.00	H
17769.00	-40.06	3.60	12.80	-30.86	-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
8473.75	-52.19	1.80	11.30	-44.84	-13.00	H
9102.00	-52.26	2.20	11.60	-45.01	-13.00	H
9233.00	-51.46	2.10	11.60	-44.11	-13.00	H
9300.75	-51.57	2.00	11.60	-44.12	-13.00	H
9425.25	-52.10	2.10	11.60	-44.75	-13.00	H
9470.50	-52.14	2.10	11.60	-44.79	-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
8450.00	-51.97	1.80	11.30	-44.62	-13.00	H
9098.00	-50.96	2.20	11.60	-43.71	-13.00	H
9214.75	-51.33	2.10	11.60	-43.98	-13.00	H
9297.00	-51.39	2.00	11.60	-43.94	-13.00	H
9424.75	-51.61	2.10	11.60	-44.26	-13.00	H
9477.50	-51.35	2.10	11.60	-44.00	-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
8746.50	-52.74	2.00	12.00	-44.89	-13.00	H
9224.75	-51.10	2.10	11.60	-43.75	-13.00	H
9299.75	-50.48	2.00	11.60	-43.03	-13.00	H
9423.25	-52.10	2.10	11.60	-44.75	-13.00	H
9477.25	-51.54	2.10	11.60	-44.19	-13.00	V
9719.00	-51.69	2.20	11.20	-44.84	-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
7198.25	-52.71	1.80	12.00	-44.66	-13.00	H
9166.00	-51.81	2.10	11.60	-44.46	-13.00	H
9223.50	-51.18	2.10	11.60	-43.83	-13.00	H
9305.50	-50.68	2.00	11.60	-43.23	-13.00	H
9472.50	-51.90	2.10	11.60	-44.55	-13.00	V
9717.75	-51.65	2.20	11.20	-44.80	-13.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
8426.25	-51.39	1.80	11.30	-44.04	-13.00	H
9160.25	-52.30	2.10	11.60	-44.95	-13.00	H
9222.25	-51.54	2.10	11.60	-44.19	-13.00	H
9295.75	-50.76	2.00	11.60	-43.31	-13.00	H
9424.25	-52.03	2.10	11.60	-44.68	-13.00	H
9476.50	-51.61	2.10	11.60	-44.26	-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
9098.25	-52.00	2.20	11.60	-44.75	-13.00	H
9154.50	-52.10	2.10	11.60	-44.75	-13.00	H
9224.75	-50.76	2.10	11.60	-43.41	-13.00	H
9304.25	-51.41	2.00	11.60	-43.96	-13.00	H
9420.25	-51.13	2.10	11.60	-43.78	-13.00	H
9475.50	-50.56	2.10	11.60	-43.21	-13.00	V

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
8383.75	-51.71	1.80	11.30	-44.36	-13.00	H
9102.50	-52.03	2.20	11.60	-44.78	-13.00	H
9223.50	-51.21	2.10	11.60	-43.86	-13.00	H
9302.50	-49.31	2.00	11.60	-41.86	-13.00	H
9426.50	-52.12	2.10	11.60	-44.77	-13.00	H
9474.75	-51.09	2.10	11.60	-43.74	-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
8415.00	-52.21	1.80	11.30	-44.86	-13.00	H
9099.50	-50.59	2.20	11.60	-43.34	-13.00	H
9226.25	-52.17	2.10	11.60	-44.82	-13.00	H
9298.75	-50.26	2.00	11.60	-42.81	-13.00	H
9364.00	-52.29	2.00	11.60	-44.84	-13.00	V
9474.00	-51.39	2.10	11.60	-44.04	-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
8473.00	-51.99	1.80	11.30	-44.64	-13.00	H
9103.25	-50.72	2.20	11.60	-43.47	-13.00	H
9228.50	-51.45	2.10	11.60	-44.10	-13.00	H
9300.75	-51.43	2.00	11.60	-43.98	-13.00	H
9421.25	-52.17	2.10	11.60	-44.82	-13.00	H
9476.75	-52.02	2.10	11.60	-44.67	-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
16969.50	-54.98	2.90	16.50	-41.38	-25.00	H
17116.50	-53.80	2.90	14.50	-42.20	-25.00	H
17281.00	-52.84	3.20	14.50	-41.54	-25.00	H
17522.50	-50.07	2.90	12.80	-40.17	-25.00	H
17615.00	-49.22	3.30	12.80	-39.72	-25.00	H
17777.00	-49.49	3.60	12.80	-40.29	-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
16959.00	-54.95	2.90	16.50	-41.35	-25.00	H
17135.00	-53.60	2.90	14.50	-42.00	-25.00	H
17289.00	-52.99	3.20	14.50	-41.69	-25.00	H
17503.50	-49.94	2.90	12.80	-40.04	-25.00	H
17592.00	-49.40	3.30	12.80	-39.90	-25.00	H
17774.50	-49.88	3.60	12.80	-40.68	-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
16975.00	-54.94	2.90	16.50	-41.34	-25.00	H
17119.50	-53.70	2.90	14.50	-42.10	-25.00	H
17299.50	-52.99	3.20	14.50	-41.69	-25.00	H
17446.00	-51.68	2.90	14.50	-40.08	-25.00	H
17597.00	-49.34	3.30	12.80	-39.84	-25.00	H
17827.00	-49.81	3.60	12.80	-40.61	-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
16956.00	-55.02	2.90	16.50	-41.42	-25.00	H
17120.00	-53.73	2.90	14.50	-42.13	-25.00	H
17279.00	-53.22	3.20	14.50	-41.92	-25.00	H
17505.00	-49.95	2.90	12.80	-40.05	-25.00	H
17621.00	-49.20	3.30	12.80	-39.70	-25.00	H
17839.50	-49.54	3.60	12.80	-40.34	-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
16930.00	-54.87	2.90	16.50	-41.27	-25.00	H
17209.50	-53.90	2.90	14.50	-42.30	-25.00	H
17357.50	-53.26	3.20	14.50	-41.96	-25.00	H
17503.50	-49.67	2.90	12.80	-39.77	-25.00	H
17620.00	-49.40	3.30	12.80	-39.90	-25.00	H
17773.50	-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
16982.00	-54.81	2.90	16.50	-41.21	-25.00	H
17205.50	-53.51	2.90	14.50	-41.91	-25.00	H
17303.00	-52.94	3.20	14.50	-41.64	-25.00	H
17465.00	-51.70	2.90	14.50	-40.10	-25.00	H
17596.00	-49.69	3.30	12.80	-40.19	-25.00	H
17840.00	-50.03	3.60	12.80	-40.83	-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
16943.50	-54.93	2.90	16.50	-41.33	-25.00	H
17099.50	-53.43	2.90	14.50	-41.83	-25.00	H
17232.00	-52.88	3.20	14.50	-41.58	-25.00	H
17499.00	-51.50	2.90	14.50	-39.90	-25.00	H
17622.00	-49.01	3.30	12.80	-39.51	-25.00	H
17837.00	-49.36	3.60	12.80	-40.16	-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
16985.00	-54.99	2.90	16.50	-41.39	-25.00	H
17117.00	-53.74	2.90	14.50	-42.14	-25.00	H
17277.00	-53.07	3.20	14.50	-41.77	-25.00	H
17506.50	-49.89	2.90	12.80	-39.99	-25.00	H
17617.00	-49.05	3.30	12.80	-39.55	-25.00	H
17781.50	-49.95	3.60	12.80	-40.75	-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
17003.50	-53.05	2.90	14.50	-41.45	-25.00	H
17173.00	-53.76	2.90	14.50	-42.16	-25.00	H
17365.00	-52.75	3.20	14.50	-41.45	-25.00	H
17512.50	-49.30	2.90	12.80	-39.40	-25.00	H
17618.50	-49.30	3.30	12.80	-39.80	-25.00	H
17840.00	-49.47	3.60	12.80	-40.27	-25.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
1568.00	-60.07	0.70	8.10	-54.82	-40.00	V
9091.25	-51.33	2.20	11.60	-44.08	-13.00	H
9298.50	-50.79	2.00	11.60	-43.34	-13.00	H
9474.50	-50.63	2.10	11.60	-43.28	-13.00	V
9734.12	-51.45	2.20	11.20	-44.60	-13.00	H
9785.00	-51.31	2.30	11.20	-44.56	-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
1566.50	-59.33	0.70	8.10	-54.08	-40.00	V
9100.50	-51.28	2.20	11.60	-44.03	-13.00	H
9295.88	-49.87	2.00	11.60	-42.42	-13.00	H
9426.00	-50.92	2.10	11.60	-43.57	-13.00	H
9727.38	-50.89	2.20	11.20	-44.04	-13.00	H
9785.88	-51.34	2.30	11.20	-44.59	-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
1577.00	-60.02	0.70	8.10	-54.77	-40.00	V
8468.62	-52.28	1.80	11.30	-44.93	-13.00	H
9301.50	-50.19	2.00	11.60	-42.74	-13.00	H
9383.75	-51.85	2.10	11.60	-44.50	-13.00	V
9742.62	-51.59	2.20	11.20	-44.74	-13.00	H
9809.75	-51.40	2.30	11.20	-44.65	-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
1561.00	-59.66	0.70	8.10	-54.41	-40.00	V
9101.88	-51.58	2.20	11.60	-44.33	-13.00	H
9222.38	-50.54	2.10	11.60	-43.19	-13.00	H
9471.62	-50.37	2.10	11.60	-43.02	-13.00	V
9741.62	-51.41	2.20	11.20	-44.56	-13.00	H
9787.12	-51.20	2.30	11.20	-44.45	-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
1562.00	-58.90	0.70	8.10	-53.65	-40.00	V
8433.00	-52.33	1.80	11.30	-44.98	-13.00	H
9299.50	-50.49	2.00	11.60	-43.04	-13.00	H
9476.12	-50.56	2.10	11.60	-43.21	-13.00	V
9729.00	-51.01	2.20	11.20	-44.16	-13.00	H
9800.88	-51.74	2.30	11.20	-44.99	-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
1567.50	-60.04	0.70	8.10	-54.79	-40.00	V
9100.50	-51.92	2.20	11.60	-44.67	-13.00	H
9298.25	-50.27	2.00	11.60	-42.82	-13.00	H
9468.38	-50.74	2.10	11.60	-43.39	-13.00	V
9724.00	-50.96	2.20	11.20	-44.11	-13.00	H
9787.88	-51.43	2.30	11.20	-44.68	-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
1572.50	-59.61	0.70	8.10	-54.36	-40.00	V
8523.00	-52.57	2.10	12.00	-44.82	-13.00	H
9100.62	-52.09	2.20	11.60	-44.84	-13.00	H
9303.88	-50.83	2.00	11.60	-43.38	-13.00	H
9479.25	-51.76	2.10	11.60	-44.41	-13.00	V
9725.38	-51.14	2.20	11.20	-44.29	-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
1566.50	-60.14	0.70	8.10	-54.89	-40.00	V
1586.00	-60.72	0.70	8.10	-55.47	-13.00	V
9095.50	-51.85	2.20	11.60	-44.60	-13.00	H
9299.88	-49.76	2.00	11.60	-42.31	-13.00	H
9476.38	-51.07	2.10	11.60	-43.72	-13.00	V
9730.38	-50.53	2.20	11.20	-43.68	-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
1567.00	-59.67	0.70	8.10	-54.42	-40.00	H
9099.88	-52.01	2.20	11.60	-44.76	-13.00	H
9225.62	-50.79	2.10	11.60	-43.44	-13.00	H
9477.50	-51.22	2.10	11.60	-43.87	-13.00	V
9720.12	-51.02	2.20	11.20	-44.17	-13.00	H
9786.00	-51.26	2.30	11.20	-44.51	-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
7207.75	-52.75	1.80	12.00	-44.70	-13.00	H
8430.75	-52.05	1.80	11.30	-44.70	-13.00	H
9150.25	-51.63	2.10	11.60	-44.28	-13.00	H
9301.00	-51.41	2.00	11.60	-43.96	-13.00	H
9424.75	-51.85	2.10	11.60	-44.50	-13.00	H
9474.50	-51.36	2.10	11.60	-44.01	-13.00	V

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
9101.25	-51.49	2.20	11.60	-44.24	-13.00	H
9231.00	-51.79	2.10	11.60	-44.44	-13.00	H
9303.00	-51.52	2.00	11.60	-44.07	-13.00	H
9368.75	-52.35	2.00	11.60	-44.90	-13.00	V
9477.00	-51.91	2.10	11.60	-44.56	-13.00	V
9778.75	-51.75	2.30	11.20	-45.00	-13.00	H

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
7325.75	-52.60	1.70	12.00	-44.45	-13.00	H
9104.25	-51.56	2.20	11.60	-44.31	-13.00	H
9226.25	-51.26	2.10	11.60	-43.91	-13.00	H
9292.75	-51.36	2.00	11.60	-43.91	-13.00	H
9371.25	-52.21	2.00	11.60	-44.76	-13.00	V
9479.00	-52.08	2.10	11.60	-44.73	-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
7381.25	-53.29	1.70	12.00	-45.14	-13.00	V
9093.75	-52.37	2.20	11.60	-45.12	-13.00	H
9223.50	-50.85	2.10	11.60	-43.50	-13.00	H
9301.50	-51.71	2.00	11.60	-44.26	-13.00	H
9409.50	-52.06	2.10	11.60	-44.71	-13.00	H
9468.50	-50.97	2.10	11.60	-43.62	-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
9111.75	-52.10	2.10	11.60	-44.75	-13.00	H
9222.50	-50.75	2.10	11.60	-43.40	-13.00	H
9300.25	-51.21	2.00	11.60	-43.76	-13.00	H
9478.50	-51.31	2.10	11.60	-43.96	-13.00	V
9746.25	-51.58	2.20	11.20	-44.73	-13.00	H
9869.25	-51.66	2.20	11.20	-44.81	-13.00	H

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
8755.75	-52.92	1.90	12.00	-44.97	-13.00	H
9151.75	-52.06	2.10	11.60	-44.71	-13.00	H
9225.50	-51.34	2.10	11.60	-43.99	-13.00	H
9296.25	-51.67	2.00	11.60	-44.22	-13.00	H
9424.25	-52.17	2.10	11.60	-44.82	-13.00	H
9477.25	-52.11	2.10	11.60	-44.76	-13.00	H

**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
8012.75	-51.92	2.00	11.30	-44.77	-13.00	V
8428.00	-51.80	1.80	11.30	-44.45	-13.00	H
9225.25	-51.91	2.10	11.60	-44.56	-13.00	H
9295.50	-51.19	2.00	11.60	-43.74	-13.00	H
9369.00	-51.45	2.00	11.60	-44.00	-13.00	V
9473.75	-52.13	2.10	11.60	-44.78	-13.00	V

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
7321.75	-52.98	1.70	12.00	-44.83	-13.00	H
8762.50	-52.99	1.90	12.00	-45.04	-13.00	H
9158.75	-52.41	2.10	11.60	-45.06	-13.00	H
9232.75	-51.76	2.10	11.60	-44.41	-13.00	H
9303.25	-51.47	2.00	11.60	-44.02	-13.00	H
9475.75	-51.79	2.10	11.60	-44.44	-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
7039.50	-53.11	1.80	12.00	-45.06	-13.00	V
9157.00	-51.95	2.10	11.60	-44.60	-13.00	H
9215.50	-51.57	2.10	11.60	-44.22	-13.00	H
9298.75	-51.30	2.00	11.60	-43.85	-13.00	H
9471.25	-52.29	2.10	11.60	-44.94	-13.00	V
9742.75	-51.16	2.20	11.20	-44.31	-13.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
8464.75	-51.19	1.80	11.30	-43.84	-13.00	V
9098.25	-51.89	2.20	11.60	-44.64	-13.00	H
9099.50	-50.88	2.20	11.60	-43.63	-13.00	H
9223.00	-50.55	2.10	11.60	-43.20	-13.00	H
9302.50	-51.13	2.00	11.60	-43.68	-13.00	H
9473.25	-51.03	2.10	11.60	-43.68	-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
9151.50	-51.44	2.10	11.60	-44.09	-13.00	H
9226.25	-51.59	2.10	11.60	-44.24	-13.00	H
9300.00	-51.24	2.00	11.60	-43.79	-13.00	H
9423.50	-51.94	2.10	11.60	-44.59	-13.00	H
9471.25	-51.58	2.10	11.60	-44.23	-13.00	V
9669.00	-51.86	2.20	11.20	-45.01	-13.00	H

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
8471.50	-52.52	1.80	11.30	-45.17	-13.00	H
9225.50	-50.31	2.10	11.60	-42.96	-13.00	H
9294.75	-51.62	2.00	11.60	-44.17	-13.00	H
9376.00	-50.78	2.00	11.60	-43.33	-13.00	H
9474.50	-51.70	2.10	11.60	-44.35	-13.00	V
9733.25	-51.35	2.20	11.20	-44.50	-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
8413.00	-52.36	1.80	11.30	-45.01	-13.00	H
9099.25	-52.40	2.20	11.60	-45.15	-13.00	H
9223.50	-50.98	2.10	11.60	-43.63	-13.00	H
9294.75	-51.26	2.00	11.60	-43.81	-13.00	H
9422.25	-52.60	2.10	11.60	-45.25	-13.00	H
9471.25	-52.43	2.10	11.60	-45.08	-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
8420.25	-51.13	1.80	11.30	-43.78	-13.00	H
8641.25	-52.47	2.00	12.00	-44.62	-13.00	H
9222.00	-51.60	2.10	11.60	-44.25	-13.00	H
9300.25	-50.75	2.00	11.60	-43.30	-13.00	H
9428.00	-52.12	2.10	11.60	-44.77	-13.00	H
9472.00	-51.93	2.10	11.60	-44.58	-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
8426.25	-52.51	1.80	11.30	-45.16	-13.00	H
8515.50	-52.84	2.10	12.00	-45.09	-13.00	H
9106.00	-52.39	2.20	11.60	-45.14	-13.00	H
9224.75	-52.12	2.10	11.60	-44.77	-13.00	H
9299.75	-50.91	2.00	11.60	-43.46	-13.00	H
9419.00	-51.95	2.10	11.60	-44.60	-13.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
8431.50	-52.09	1.80	11.30	-44.74	-13.00	H
9102.00	-52.39	2.20	11.60	-45.14	-13.00	H
9226.25	-51.16	2.10	11.60	-43.81	-13.00	H
9304.50	-51.11	2.00	11.60	-43.66	-13.00	H
9477.00	-50.84	2.10	11.60	-43.49	-13.00	V
9712.00	-51.85	2.20	11.20	-45.00	-13.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
9096.75	-52.31	2.20	11.60	-45.06	-13.00	H
9101.75	-52.31	2.20	11.60	-45.06	-13.00	H
9223.50	-51.59	2.10	11.60	-44.24	-13.00	H
9300.25	-51.30	2.00	11.60	-43.85	-13.00	H
9423.00	-51.78	2.10	11.60	-44.43	-13.00	H
9471.00	-52.30	2.10	11.60	-44.95	-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
8483.00	-51.30	1.80	11.30	-43.95	-13.00	H
8787.50	-52.66	1.90	12.00	-44.71	-13.00	V
9223.25	-51.01	2.10	11.60	-43.66	-13.00	H
9299.00	-51.78	2.00	11.60	-44.33	-13.00	H
9422.50	-51.86	2.10	11.60	-44.51	-13.00	H
9476.00	-51.68	2.10	11.60	-44.33	-13.00	V

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16985.50	-55.16	2.90	16.50	-41.56	-25.00	H
17163.00	-53.69	2.90	14.50	-42.09	-25.00	H
17300.00	-53.08	3.20	14.50	-41.78	-25.00	H
17509.00	-49.96	2.90	12.80	-40.06	-25.00	H
17574.50	-49.70	3.30	12.80	-40.20	-25.00	H
17840.00	-50.03	3.60	12.80	-40.83	-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
16997.50	-55.11	2.90	16.50	-41.51	-25.00	H
17114.00	-53.63	2.90	14.50	-42.03	-25.00	H
17299.00	-53.23	3.20	14.50	-41.93	-25.00	H
17456.50	-51.89	2.90	14.50	-40.29	-25.00	H
17598.50	-49.49	3.30	12.80	-39.99	-25.00	H
17840.00	-49.87	3.60	12.80	-40.67	-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
16937.50	-55.16	2.90	16.50	-41.56	-25.00	H
17207.00	-53.74	2.90	14.50	-42.14	-25.00	H
17343.00	-52.64	3.20	14.50	-41.34	-25.00	H
17459.50	-51.72	2.90	14.50	-40.12	-25.00	H
17618.50	-49.02	3.30	12.80	-39.52	-25.00	H
17831.50	-49.56	3.60	12.80	-40.36	-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
16960.50	-55.16	2.90	16.50	-41.56	-25.00	H
17183.00	-54.00	2.90	14.50	-42.40	-25.00	H
17281.00	-53.32	3.20	14.50	-42.02	-25.00	H
17438.00	-51.54	2.90	14.50	-39.94	-25.00	H
17597.00	-49.12	3.30	12.80	-39.62	-25.00	H
17840.00	-49.73	3.60	12.80	-40.53	-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
16977.00	-55.20	2.90	16.50	-41.60	-25.00	H
17209.50	-53.50	2.90	14.50	-41.90	-25.00	H
17361.00	-52.85	3.20	14.50	-41.55	-25.00	H
17525.00	-50.23	2.90	12.80	-40.33	-25.00	H
17618.50	-49.24	3.30	12.80	-39.74	-25.00	H
17835.50	-49.97	3.60	12.80	-40.77	-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
16965.00	-54.97	2.90	16.50	-41.37	-25.00	H
17165.50	-53.29	2.90	14.50	-41.69	-25.00	H
17364.50	-53.11	3.20	14.50	-41.81	-25.00	H
17505.00	-49.98	2.90	12.80	-40.08	-25.00	H
17591.00	-49.12	3.30	12.80	-39.62	-25.00	H
17774.50	-49.75	3.60	12.80	-40.55	-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
16960.50	-54.98	2.90	16.50	-41.38	-25.00	H
17183.00	-53.63	2.90	14.50	-42.03	-25.00	H
17367.50	-53.07	3.20	14.50	-41.77	-25.00	H
17455.50	-51.33	2.90	14.50	-39.73	-25.00	H
17625.00	-49.69	3.30	12.80	-40.19	-25.00	H
17831.50	-49.82	3.60	12.80	-40.62	-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
16982.00	-55.05	2.90	16.50	-41.45	-25.00	H
17102.50	-53.97	2.90	14.50	-42.37	-25.00	H
17273.00	-53.19	3.20	14.50	-41.89	-25.00	H
17525.00	-50.08	2.90	12.80	-40.18	-25.00	H
17623.50	-49.64	3.30	12.80	-40.14	-25.00	H
17838.00	-50.08	3.60	12.80	-40.88	-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
16945.50	-55.09	2.90	16.50	-41.49	-25.00	H
17181.50	-53.72	2.90	14.50	-42.12	-25.00	H
17252.00	-53.04	3.20	14.50	-41.74	-25.00	H
17509.50	-49.35	2.90	12.80	-39.45	-25.00	H
17571.50	-49.37	3.30	12.80	-39.87	-25.00	H
17838.50	-49.51	3.60	12.80	-40.31	-25.00	H

**LTE Band 41, 5MHz, QPSK, Channel 40065**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16946.00	-54.94	2.90	16.50	-41.34	-25.00	H
17119.00	-53.74	2.90	14.50	-42.14	-25.00	H
17346.50	-53.31	3.20	14.50	-42.01	-25.00	H
17456.50	-51.61	2.90	14.50	-40.01	-25.00	H
17625.00	-49.45	3.30	12.80	-39.95	-25.00	H
17840.00	-49.91	3.60	12.80	-40.71	-25.00	H

LTE Band 41, 5MHz, QPSK, Channel 40640

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16935.50	-54.98	2.90	16.50	-41.38	-25.00	H
17211.00	-53.89	2.90	14.50	-42.29	-25.00	H
17220.50	-53.10	3.20	14.50	-41.80	-25.00	H
17503.50	-49.83	2.90	12.80	-39.93	-25.00	H
17570.50	-49.39	3.30	12.80	-39.89	-25.00	H
17839.50	-49.75	3.60	12.80	-40.55	-25.00	H

LTE Band 41, 5MHz, QPSK, Channel 41215

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16956.50	-55.19	2.90	16.50	-41.59	-25.00	H
17197.50	-53.61	2.90	14.50	-42.01	-25.00	H
17289.00	-53.14	3.20	14.50	-41.84	-25.00	H
17415.00	-51.79	2.90	14.50	-40.19	-25.00	H
17617.00	-49.46	3.30	12.80	-39.96	-25.00	H
17774.50	-50.03	3.60	12.80	-40.83	-25.00	H

**LTE Band 41, 5MHz, 16QAM, Channel 40065**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16978.50	-55.06	2.90	16.50	-41.46	-25.00	H
17139.50	-53.96	2.90	14.50	-42.36	-25.00	H
17362.00	-53.11	3.20	14.50	-41.81	-25.00	H
17516.00	-49.87	2.90	12.80	-39.97	-25.00	H
17576.00	-49.49	3.30	12.80	-39.99	-25.00	H
17839.00	-49.67	3.60	12.80	-40.47	-25.00	H

LTE Band 41, 5MHz, 16QAM, Channel 40640

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16999.50	-55.28	2.90	16.50	-41.68	-25.00	H
17214.00	-53.88	2.90	14.50	-42.28	-25.00	H
17279.00	-53.18	3.20	14.50	-41.88	-25.00	H
17520.00	-49.90	2.90	12.80	-40.00	-25.00	H
17594.00	-49.63	3.30	12.80	-40.13	-25.00	H
17839.00	-49.95	3.60	12.80	-40.75	-25.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16960.50	-54.86	2.90	16.50	-41.26	-25.00	H
17178.00	-53.90	2.90	14.50	-42.30	-25.00	H
17298.00	-53.03	3.20	14.50	-41.73	-25.00	H
17459.50	-51.94	2.90	14.50	-40.34	-25.00	H
17618.50	-49.36	3.30	12.80	-39.86	-25.00	H
17838.50	-49.98	3.60	12.80	-40.78	-25.00	H

**LTE Band 41, 5MHz, 64QAM, Channel 40065**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16958.50	-55.00	2.90	16.50	-41.40	-25.00	H
17114.00	-53.72	2.90	14.50	-42.12	-25.00	H
17362.50	-53.48	3.20	14.50	-42.18	-25.00	H
17507.00	-50.19	2.90	12.80	-40.29	-25.00	H
17528.50	-50.12	2.90	12.80	-40.22	-25.00	H
17788.00	-49.93	3.60	12.80	-40.73	-25.00	H

LTE Band 41, 5MHz, 64QAM, Channel 40640

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16977.00	-55.00	2.90	16.50	-41.40	-25.00	H
17122.50	-53.67	2.90	14.50	-42.07	-25.00	H
17368.00	-53.27	3.20	14.50	-41.97	-25.00	H
17518.50	-50.32	2.90	12.80	-40.42	-25.00	H
17581.00	-49.48	3.30	12.80	-39.98	-25.00	H
17838.00	-50.23	3.60	12.80	-41.03	-25.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16983.00	-55.10	2.90	16.50	-41.50	-25.00	H
17164.50	-54.06	2.90	14.50	-42.46	-25.00	H
17302.50	-53.01	3.20	14.50	-41.71	-25.00	H
17522.50	-50.18	2.90	12.80	-40.28	-25.00	H
17573.00	-49.56	3.30	12.80	-40.06	-25.00	H
17837.50	-49.84	3.60	12.80	-40.64	-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
16936.50	-45.28	2.90	16.50	-31.68	-13.00	H
17188.00	-43.94	2.90	14.50	-32.34	-13.00	H
17297.50	-43.41	3.20	14.50	-32.11	-13.00	H
17450.50	-40.93	2.90	14.50	-29.33	-13.00	H
17526.00	-40.21	2.90	12.80	-30.31	-13.00	H
17779.00	-39.92	3.60	12.80	-30.72	-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
16984.50	-44.92	2.90	16.50	-31.32	-13.00	H
17164.50	-44.05	2.90	14.50	-32.45	-13.00	H
17328.00	-42.82	3.20	14.50	-31.52	-13.00	H
17516.50	-39.42	2.90	12.80	-29.52	-13.00	H
17531.50	-39.80	2.90	12.80	-29.90	-13.00	H
17699.50	-40.51	3.30	12.80	-31.01	-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
16941.00	-44.86	2.90	16.50	-31.26	-13.00	H
17193.00	-43.90	2.90	14.50	-32.30	-13.00	H
17230.00	-43.30	3.20	14.50	-32.00	-13.00	H
17457.00	-41.83	2.90	14.50	-30.23	-13.00	H
17599.50	-39.14	3.30	12.80	-29.64	-13.00	H
17780.50	-39.66	3.60	12.80	-30.46	-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
16985.50	-45.28	2.90	16.50	-31.68	-13.00	H
17195.00	-43.68	2.90	14.50	-32.08	-13.00	H
17226.50	-43.08	3.20	14.50	-31.78	-13.00	H
17513.00	-40.35	2.90	12.80	-30.45	-13.00	H
17529.00	-39.46	2.90	12.80	-29.56	-13.00	H
17791.00	-40.32	3.60	12.80	-31.12	-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
16957.50	-44.21	2.90	16.50	-30.61	-13.00	H
17208.00	-43.21	2.90	14.50	-31.61	-13.00	H
17307.50	-42.96	3.20	14.50	-31.66	-13.00	H
17466.00	-41.46	2.90	14.50	-29.86	-13.00	H
17605.50	-39.27	3.30	12.80	-29.77	-13.00	H
17763.00	-39.42	3.60	12.80	-30.22	-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
16427.50	-46.93	2.70	17.40	-32.23	-13.00	H
16948.50	-44.94	2.90	16.50	-31.34	-13.00	H
17338.00	-43.47	3.20	14.50	-32.17	-13.00	H
17460.00	-41.44	2.90	14.50	-29.84	-13.00	H
17526.00	-40.15	2.90	12.80	-30.25	-13.00	H
17770.00	-39.57	3.60	12.80	-30.37	-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
16985.00	-44.68	2.90	16.50	-31.08	-13.00	H
17182.50	-43.86	2.90	14.50	-32.26	-13.00	H
17235.00	-43.52	3.20	14.50	-32.22	-13.00	H
17516.00	-39.90	2.90	12.80	-30.00	-13.00	H
17603.50	-38.93	3.30	12.80	-29.43	-13.00	H
17835.00	-39.42	3.60	12.80	-30.22	-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
16942.50	-44.70	2.90	16.50	-31.10	-13.00	H
17122.00	-43.29	2.90	14.50	-31.69	-13.00	H
17295.00	-43.15	3.20	14.50	-31.85	-13.00	H
17411.00	-41.63	2.90	14.50	-30.03	-13.00	H
17587.00	-38.59	3.30	12.80	-29.09	-13.00	H
17780.00	-40.45	3.60	12.80	-31.25	-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
16485.00	-46.60	2.70	17.40	-31.90	-13.00	H
16989.00	-43.91	2.90	16.50	-30.31	-13.00	H
17134.50	-43.77	2.90	14.50	-32.17	-13.00	H
17455.00	-41.92	2.90	14.50	-30.32	-13.00	H
17539.00	-39.73	2.90	12.80	-29.83	-13.00	H
17689.00	-39.71	3.30	12.80	-30.21	-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	3.82	1850.790	1909.220		
50				2.32	0.0012
40				-1.49	0.0008
30				1.03	0.0005
10				-0.49	0.0003
0				0.77	0.0004
-10				2.00	0.0011
-20				0.72	0.0004
-30				2.86	0.0015

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
3.40	20	1850.790	1909.220	1.60	0.0009
4.44				0.01	0.0000

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	3.82	1710.790	1754.220		
40				0.33	0.0002
30				-1.92	0.0011
20				-1.73	0.0010
10				-1.00	0.0006
0				-1.17	0.0007
-10				-1.42	0.0008
-20				-2.12	0.0012
-30				-1.70	0.0010

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
3.40	20	1710.790	1754.220	-0.29	0.0002
4.44				-1.57	0.0009

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	3.82	824.350	848.620		
40				0.60	0.0007
30				1.40	0.0017
20				0.26	0.0003
10				1.40	0.0017
0				2.36	0.0028
-10				-0.40	0.0005
-20				-1.90	0.0023
-30				3.65	0.0044

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
3.40	20	824.350	848.620	3.61	0.0043
4.44				2.52	0.0030

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	3.82	2500.520	2569.480		
50				-0.07	0.0000
40				0.44	0.0002
30				3.00	0.0012
10				-3.53	0.0014
0				-4.33	0.0017
-10				-1.56	0.0006
-20				-1.27	0.0005
-30				-2.22	0.0009

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
3.40	20	2500.520	2569.480	-2.10	0.0008
4.44				-3.85	0.0015

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



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	3.82	777.438	786.550		
50				-0.99	0.0013
40				0.76	0.0010
30				-0.87	0.0011
10				0.49	0.0006
0				-0.49	0.0006
-10				1.90	0.0024
-20				1.75	0.0022
-30				-1.37	0.0018

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
3.40	20	777.438	786.550	-1.85	0.0024
4.44				0.40	0.0005

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	3.82	814.360	823.630		
50				-1.37	0.0017
40				1.24	0.0015
30				0.73	0.0009
10				-1.65	0.0020
0				-0.26	0.0003
-10				2.70	0.0033
-20				4.01	0.0049
-30				2.82	0.0034

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
3.40	20	814.360	823.630	0.89	0.0011
4.44				1.17	0.0014

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	3.82	824.500	848.460		
50				-1.12	0.0013
40				-1.24	0.0015
30				-3.48	0.0042
10				-2.52	0.0030
0				-4.91	0.0059
-10				-2.10	0.0025
-20				-2.33	0.0028
-30				-4.02	0.0048

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
3.40	20	824.500	848.460	-2.93	0.0035
4.44				-2.45	0.0029

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	3.82	2570.520	2619.460		
50				0.52	0.0002
40				1.29	0.0005
30				1.56	0.0006
10				1.13	0.0004
0				2.40	0.0009
-10				1.82	0.0007
-20				1.46	0.0006
-30				2.35	0.0009

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
3.40	20	2570.520	2619.460	1.29	0.0005
4.44				1.12	0.0004

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	3.82	2535.480	2654.460		
50				1.47	0.0006
40				-1.15	0.0004
30				0.20	0.0001
10				0.30	0.0001
0				1.73	0.0007
-10				0.64	0.0002
-20				2.05	0.0008
-30				-0.10	0.0000

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
3.40	20	2535.480	2654.460	0.24	0.0001
4.44				1.66	0.0006

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	3.82	1710.800	1779.200		
50				0.22	0.0001
40				0.06	0.0000
30				-0.84	0.0005
10				-0.09	0.0000
0				-0.37	0.0002
-10				-0.40	0.0002
-20				-1.06	0.0006
-30				-0.27	0.0002

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
3.40	20	1710.800	1779.200	-0.10	0.0001
4.44				-3.86	0.0022

Expanded measurement uncertainty is 10Hz, k = 2



A.4 OCCUPIED BANDWIDTH

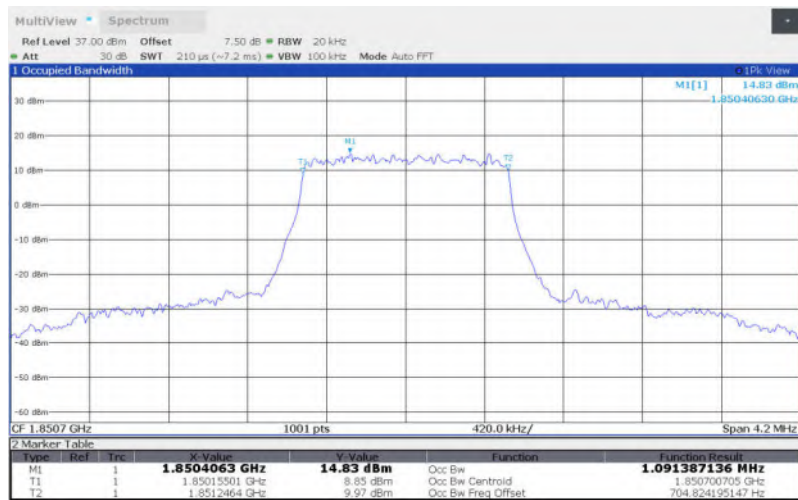
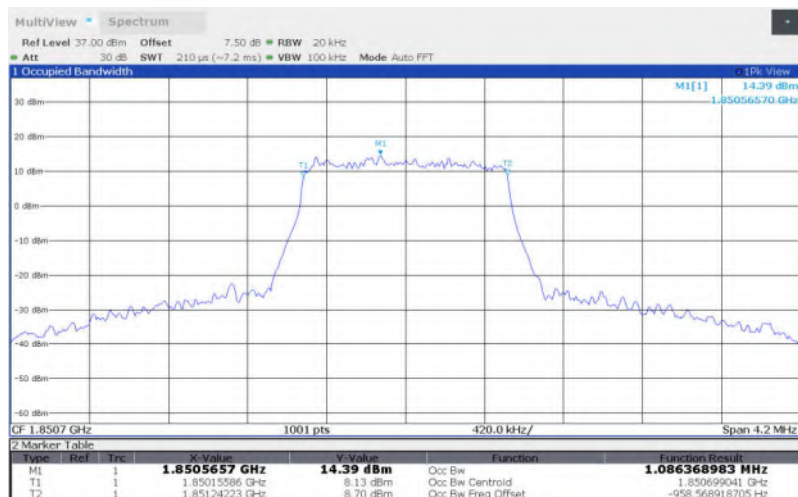
Occupied bandwidth measurements are only provided for selected frequencies in order to reduce the amount of submitted data. Data were taken at the extreme and mid frequency. The table below lists the measured 99% BW. Spectrum analyzer plots are included on the following pages.

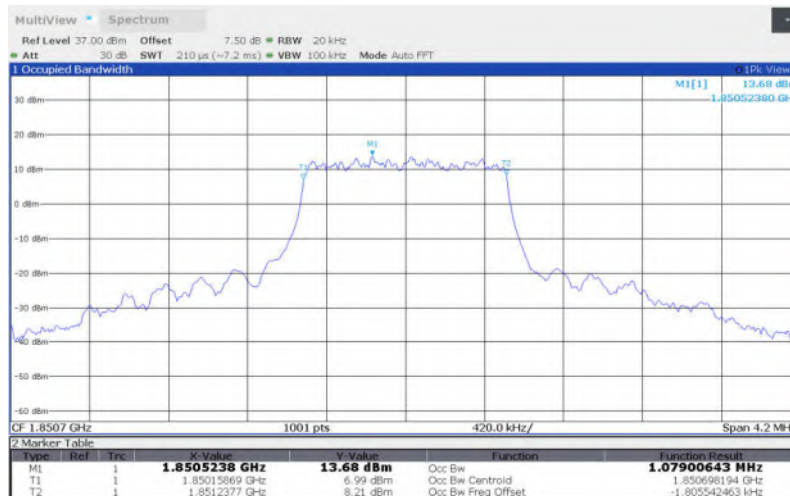
The measurement method is from ANSI C63.26:

- 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.

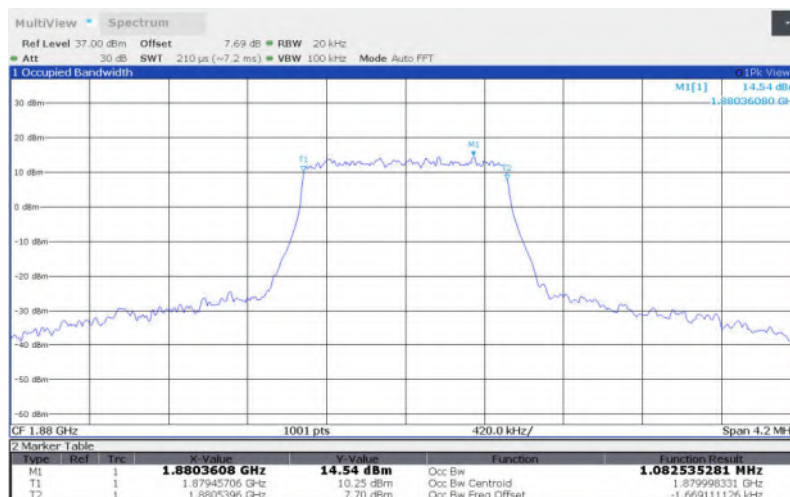
**LTE Band 2, 1.4MHz (99% BW)**

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)		
	QPSK	16QAM	64QAM
1850.7	1.091	1.086	1.079
1880	1.083	1.085	1.081
1909.3	1.087	1.083	1.090

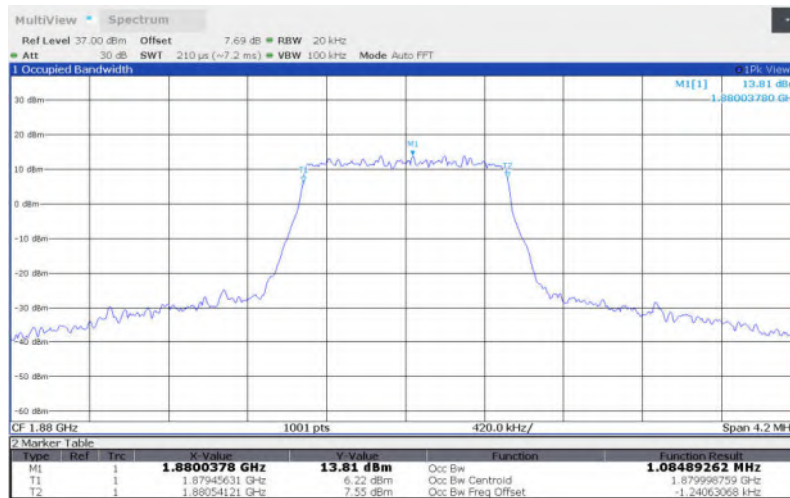
LTE Band 2 , 1.4MHz Bandwidth,LOW,QPSK (99% BW)**LTE Band 2 , 1.4MHz Bandwidth,LOW,16QAM (99% BW)****LTE Band 2 , 1.4MHz Bandwidth,LOW,64QAM (99% BW)**



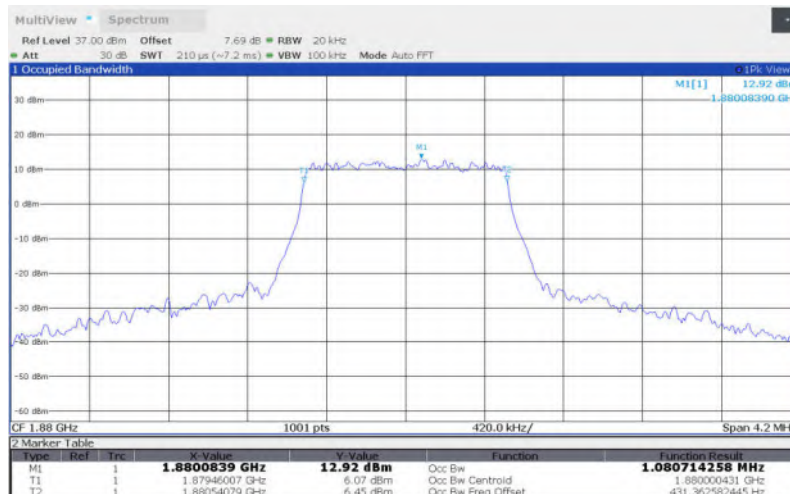
LTE Band 2 , 1.4MHz Bandwidth,MID,QPSK (99% BW)



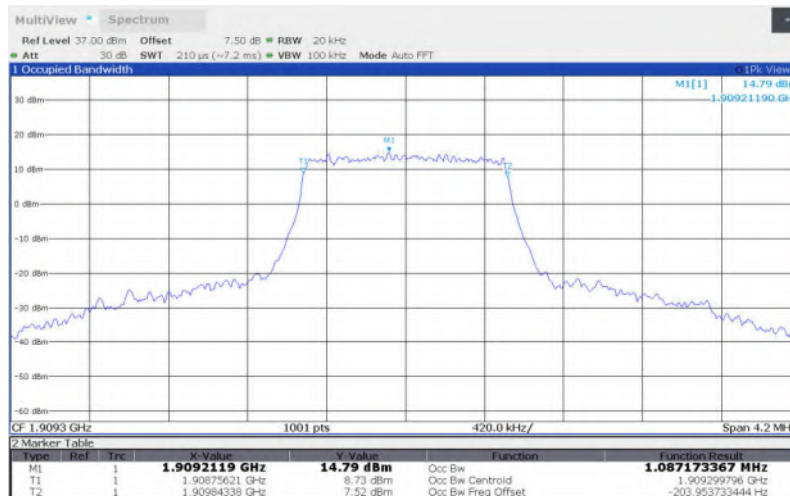
LTE Band 2 , 1.4MHz Bandwidth,MID,16QAM (99% BW)



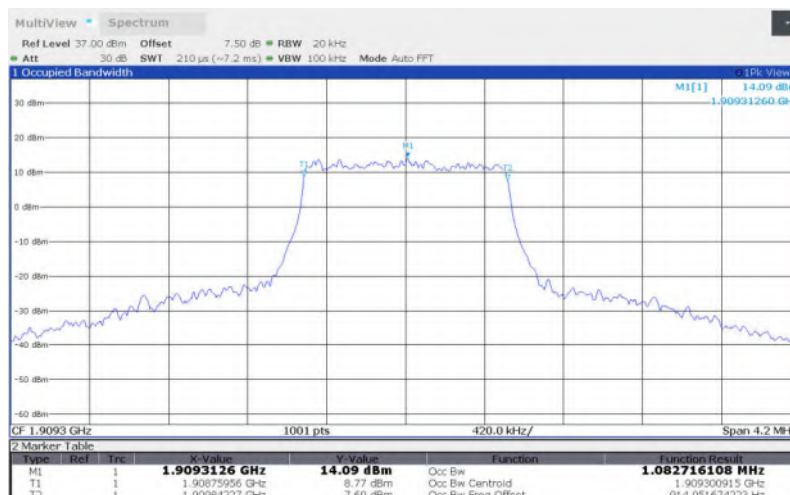
LTE Band 2 , 1.4MHz Bandwidth,MID,64QAM (99% BW)



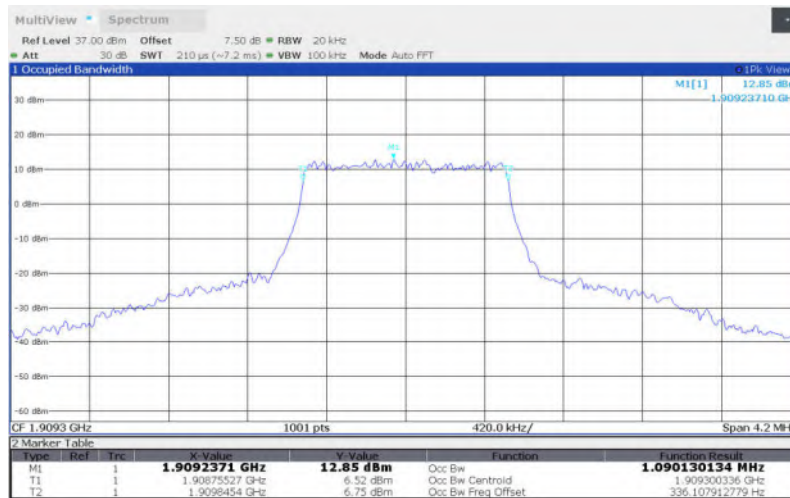
LTE Band 2 , 1.4MHz Bandwidth,HIGH,QPSK (99% BW)



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

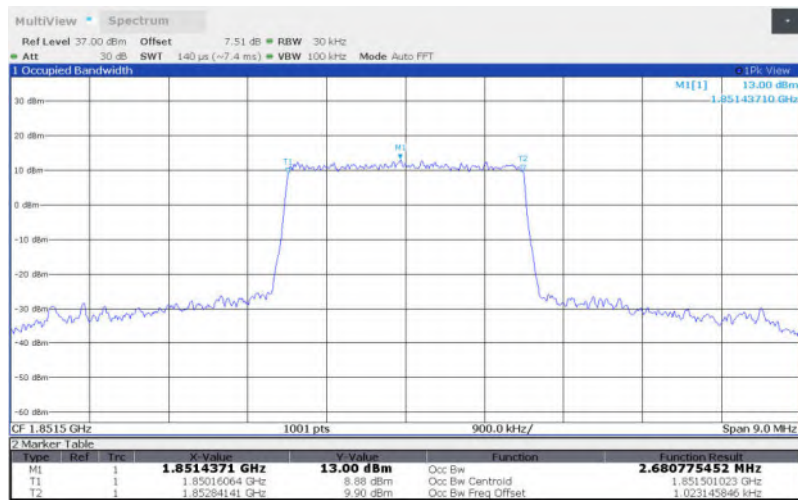
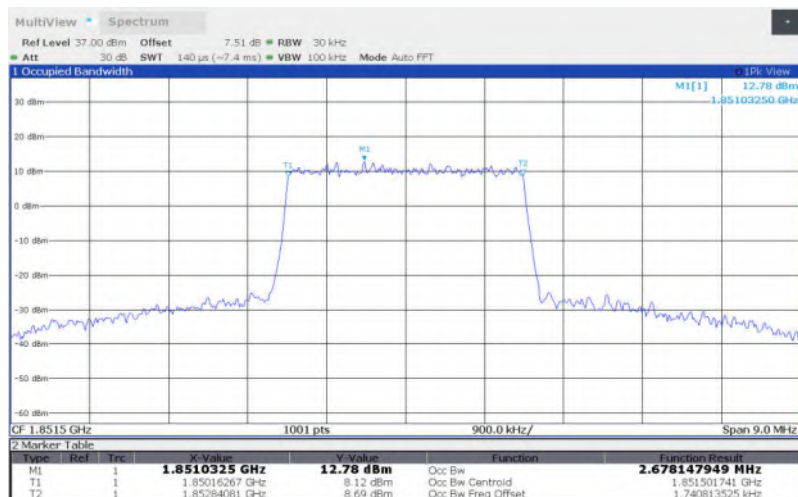


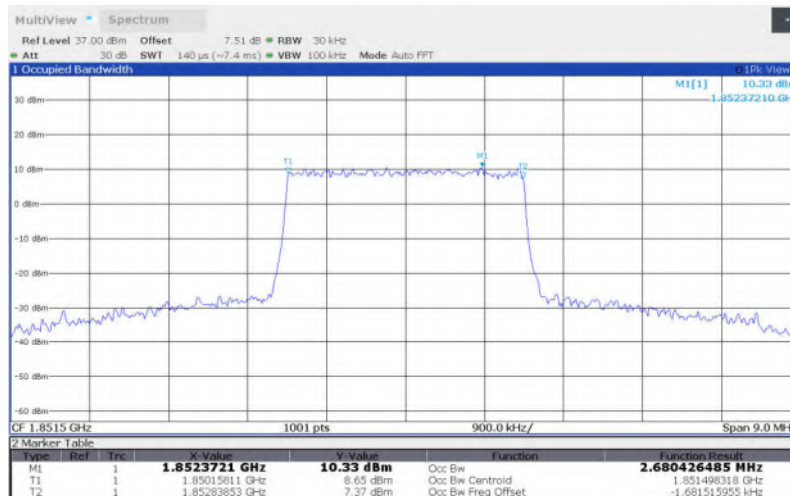
LTE Band 2 , 1.4MHz Bandwidth,HIGH,64QAM (99% BW)



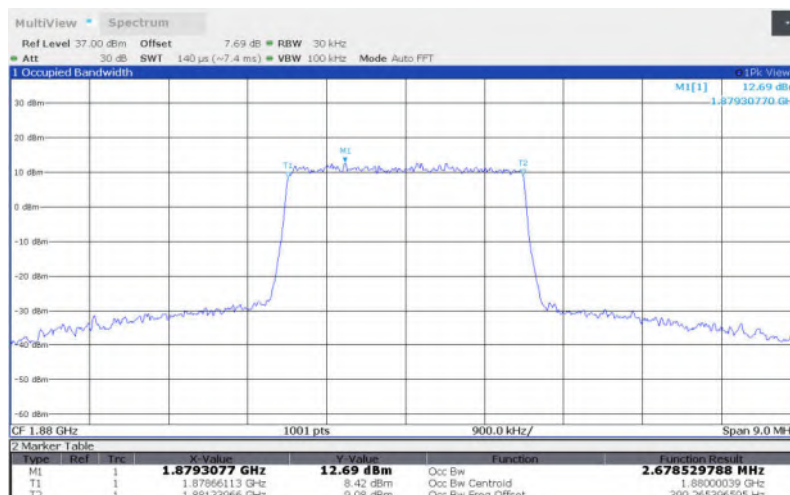
**LTE Band 2,3MHz(99% BW)**

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)		
	QPSK	16QAM	64QAM
1851.5	2.681	2.678	2.680
1880	2.679	2.677	2.680
1908.5	2.680	2.672	2.684

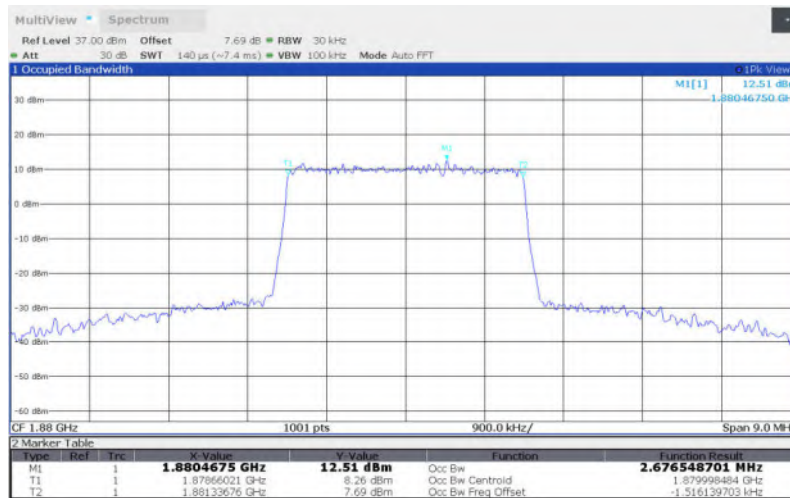
LTE Band 2 , 3MHz Bandwidth,LOW,QPSK (99% BW)**LTE Band 2 , 3MHz Bandwidth,LOW,16QAM (99% BW)****LTE Band 2 , 3MHz Bandwidth,LOW,64QAM (99% BW)**



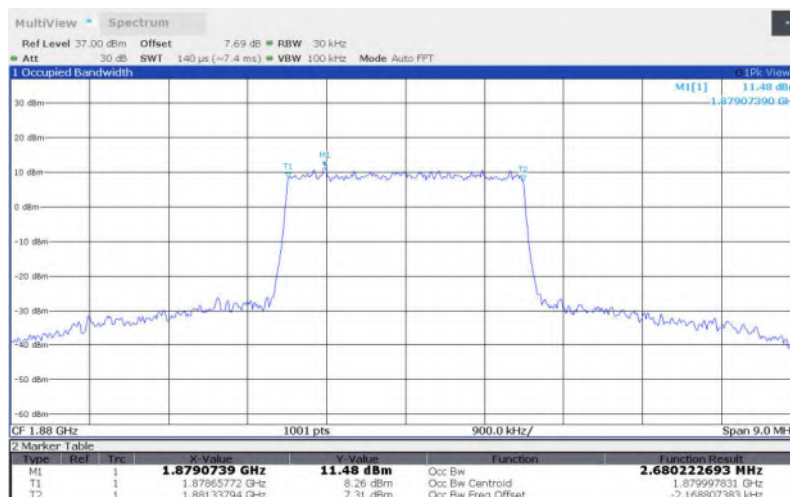
LTE Band 2 , 3MHz Bandwidth,MID,QPSK (99% BW)



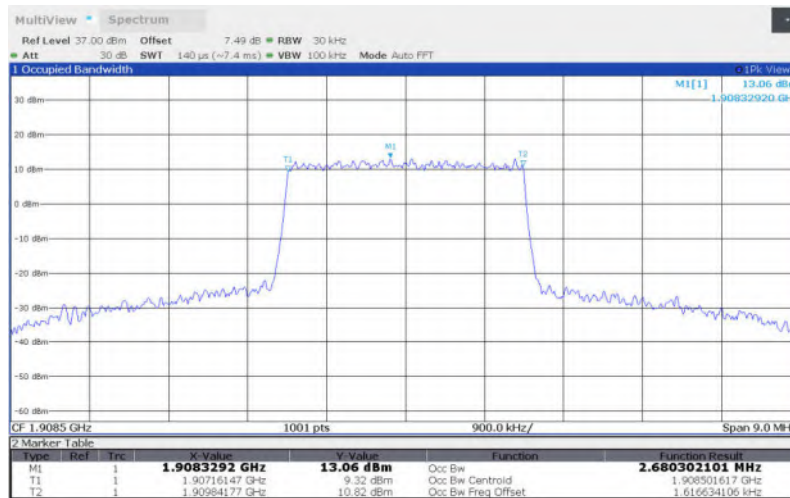
LTE Band 2 , 3MHz Bandwidth,MID,16QAM (99% BW)



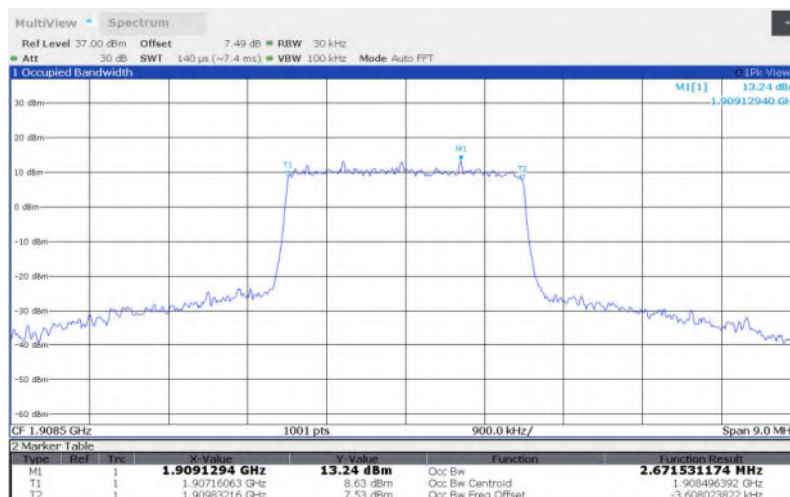
LTE Band 2 , 3MHz Bandwidth,MID,64QAM (99% BW)



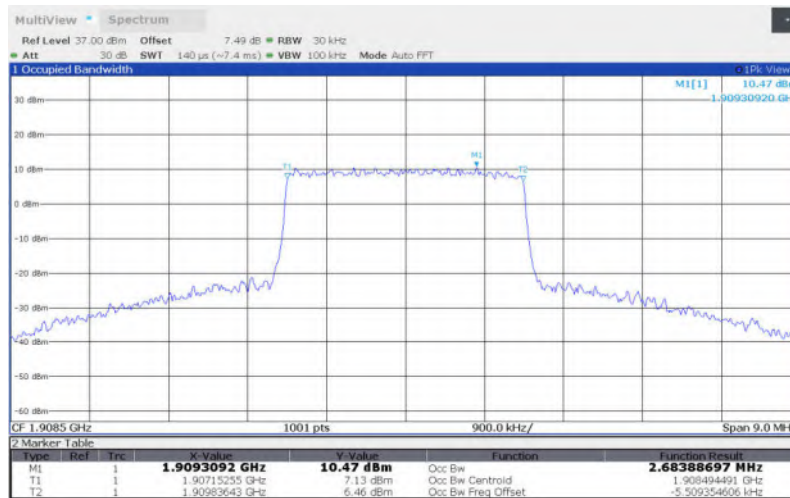
LTE Band 2 , 3MHz Bandwidth,HIGH,QPSK (99% BW)



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



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

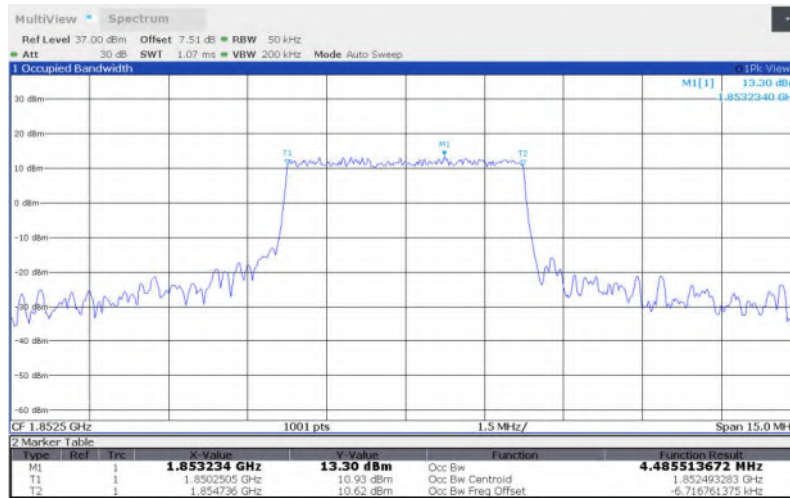




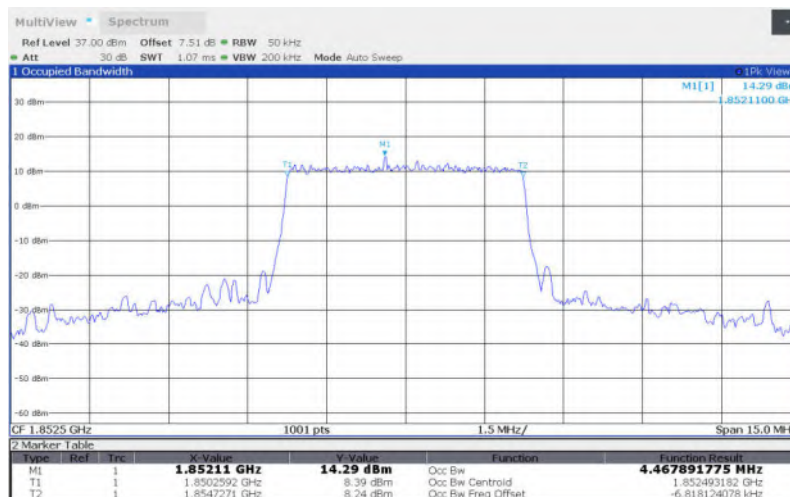
LTE Band 2,5MHz(99% BW)

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)		
	QPSK	16QAM	64QAM
1852.5	4.486	4.468	4.468
1880	4.481	4.480	4.469
1907.5	4.464	4.469	4.468

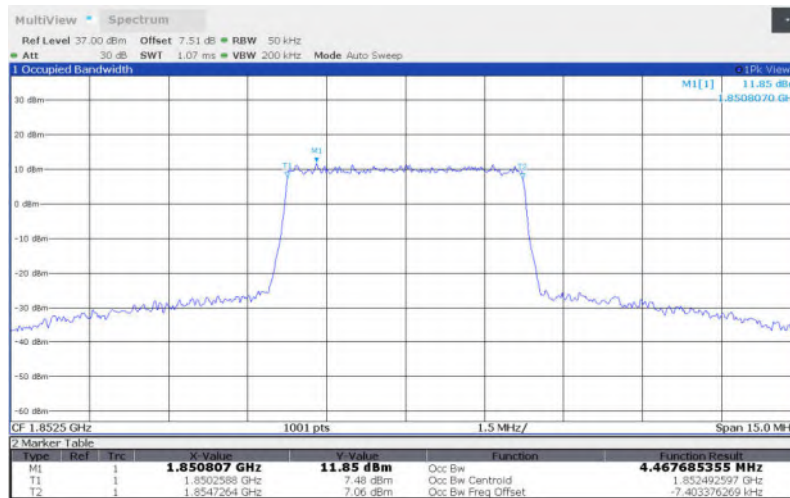
LTE Band 2 , 5MHz Bandwidth,LOW,QPSK (99% BW)



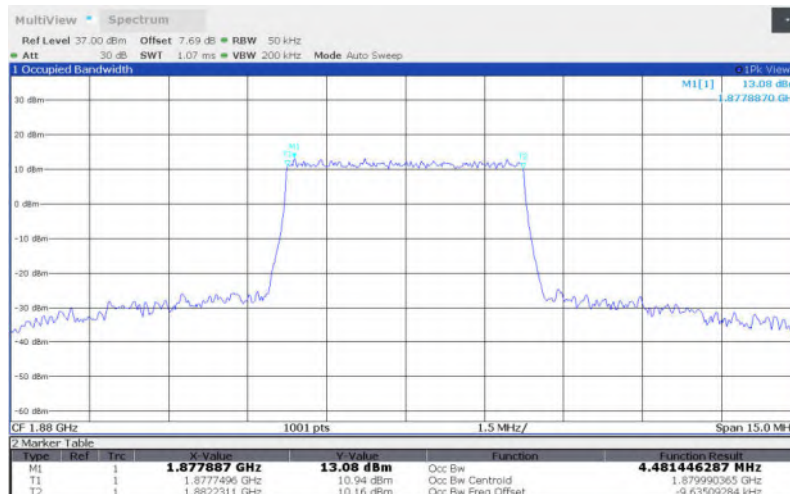
LTE Band 2 , 5MHz Bandwidth,LOW,16QAM (99% BW)



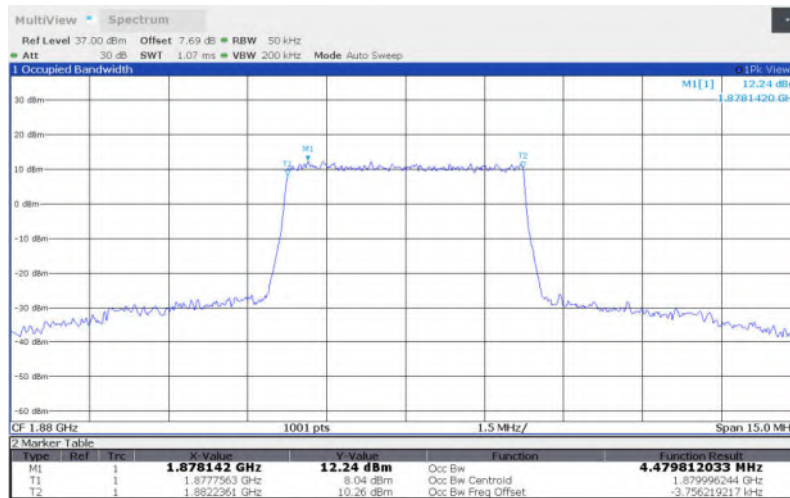
LTE Band 2 , 5MHz Bandwidth,LOW,64QAM (99% BW)



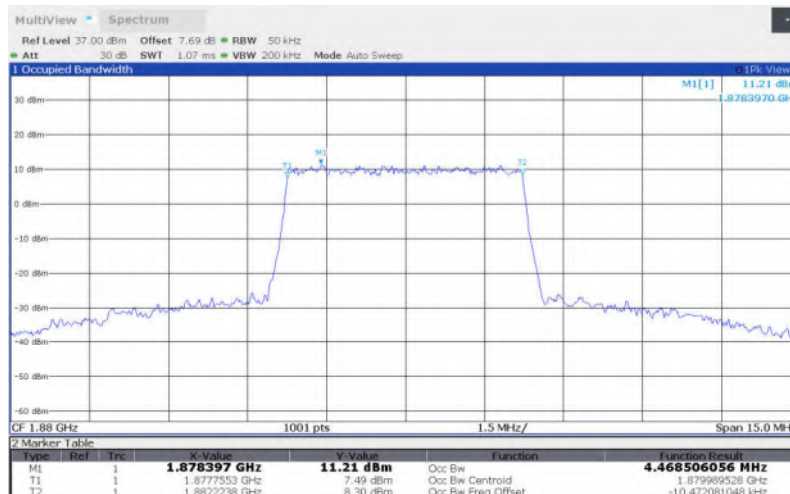
LTE Band 2 , 5MHz Bandwidth,MID,QPSK (99% BW)



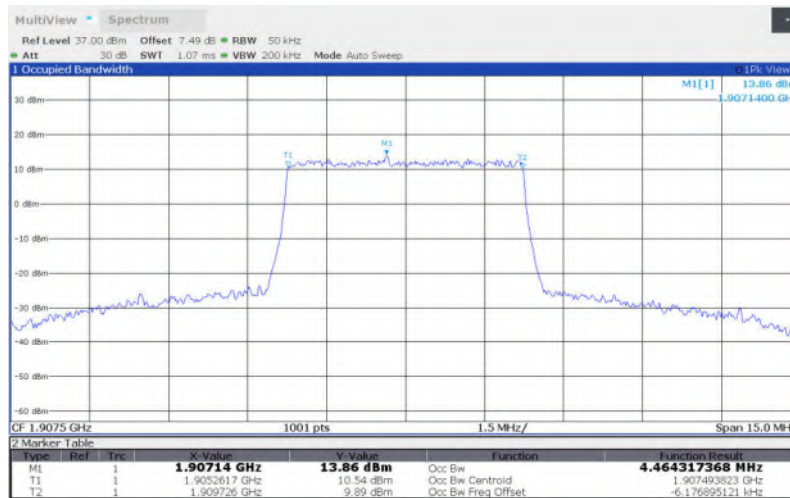
LTE Band 2 , 5MHz Bandwidth,MID,16QAM (99% BW)



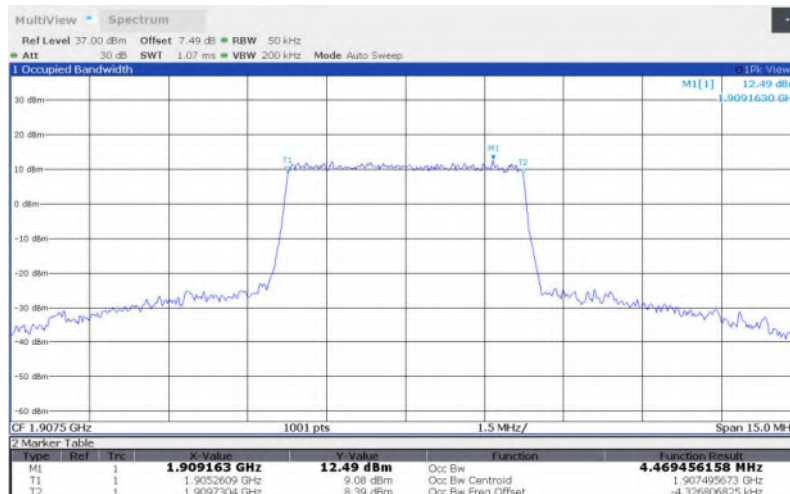
LTE Band 2 , 5MHz Bandwidth,MID,64QAM (99% BW)



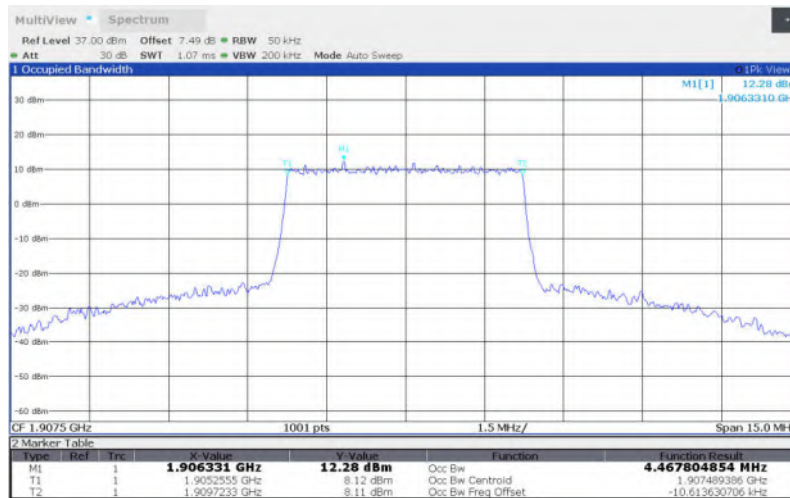
LTE Band 2 , 5MHz Bandwidth,HIGH,QPSK (99% BW)



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

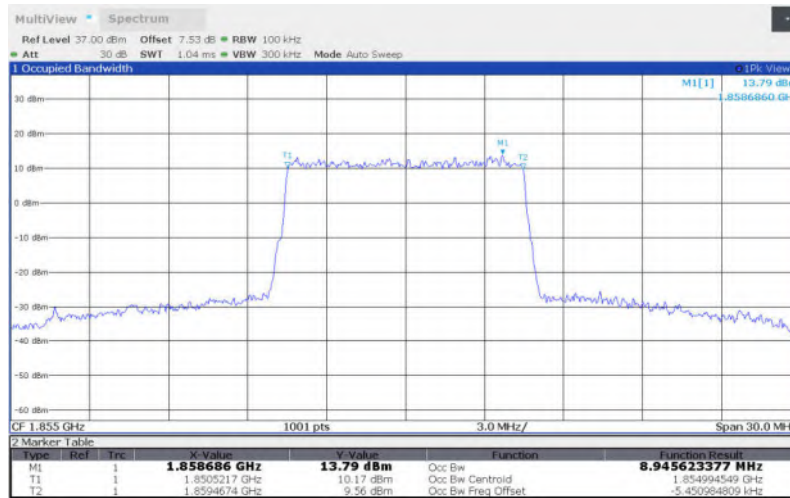
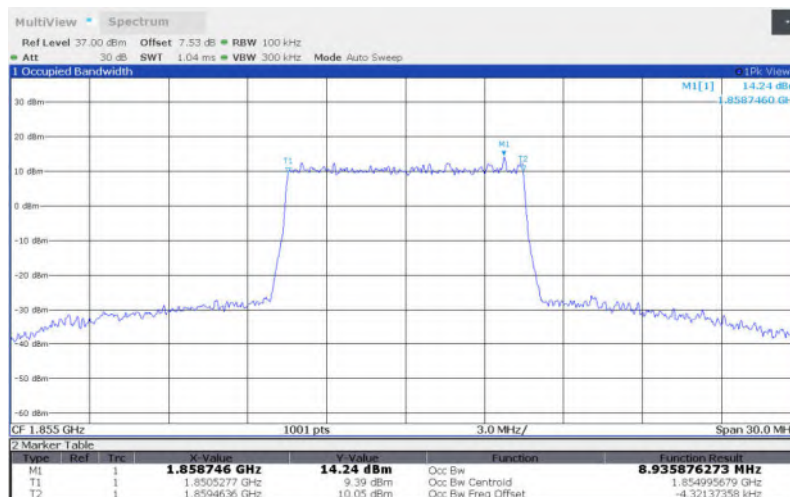


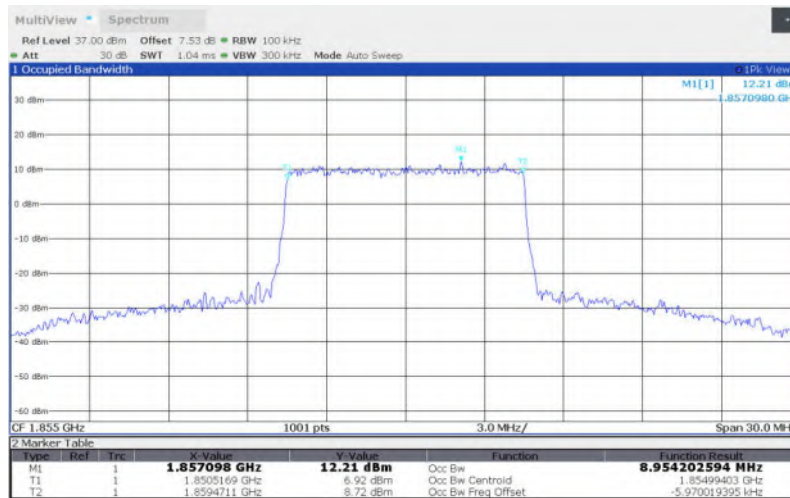
LTE Band 2 , 5MHz Bandwidth,HIGH,64QAM (99% BW)



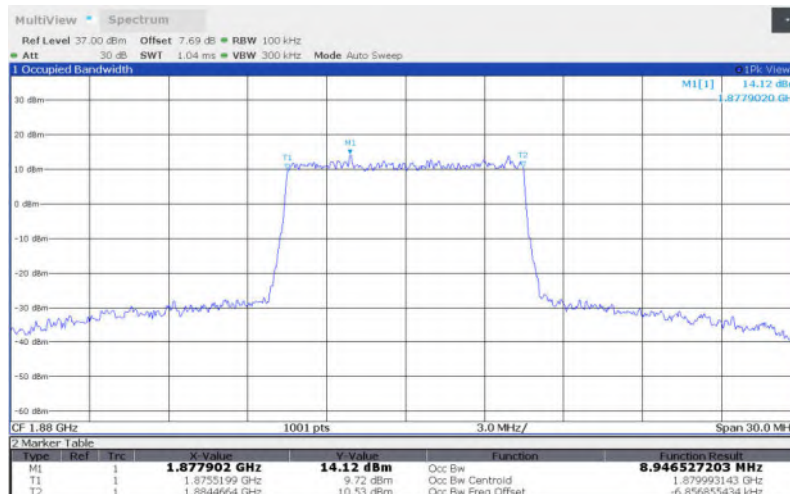
**LTE Band 2,10MHz(99% BW)**

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)		
	QPSK	16QAM	64QAM
1855	8.946	8.936	8.954
1880	8.947	8.955	8.961
1905	8.962	8.954	8.945

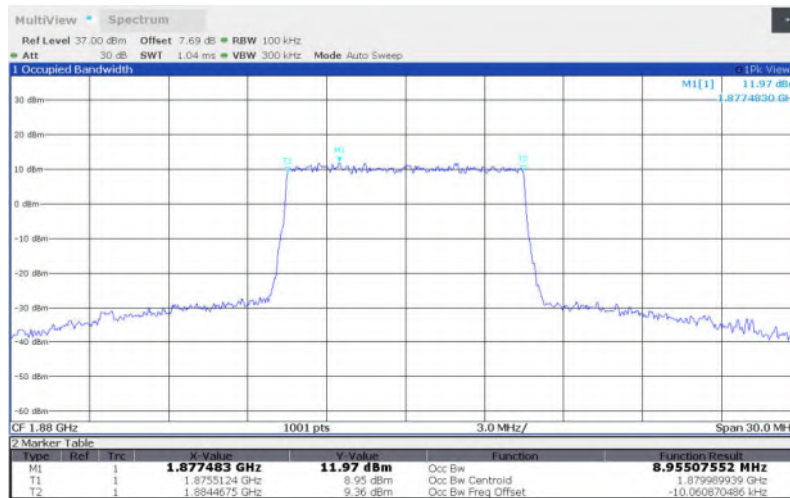
LTE Band 2 , 10MHz Bandwidth,LOW,QPSK (99% BW)**LTE Band 2 , 10MHz Bandwidth,LOW,16QAM (99% BW)****LTE Band 2 , 10MHz Bandwidth,LOW,64QAM (99% BW)**



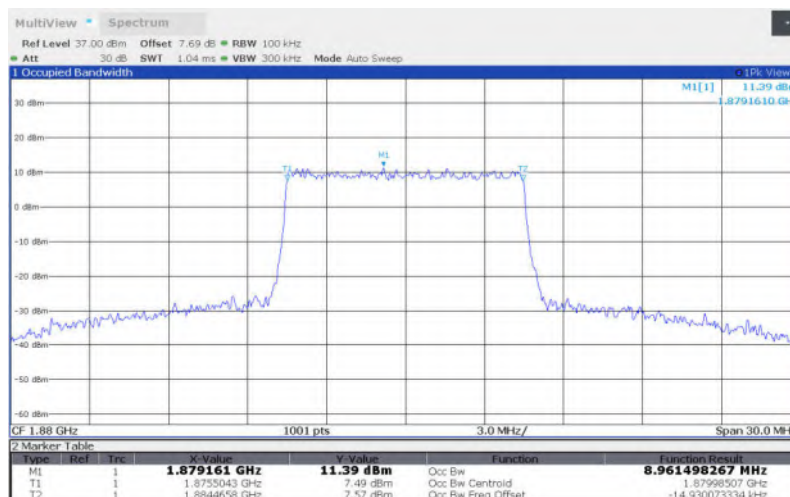
LTE Band 2 , 10MHz Bandwidth,MID,QPSK (99% BW)



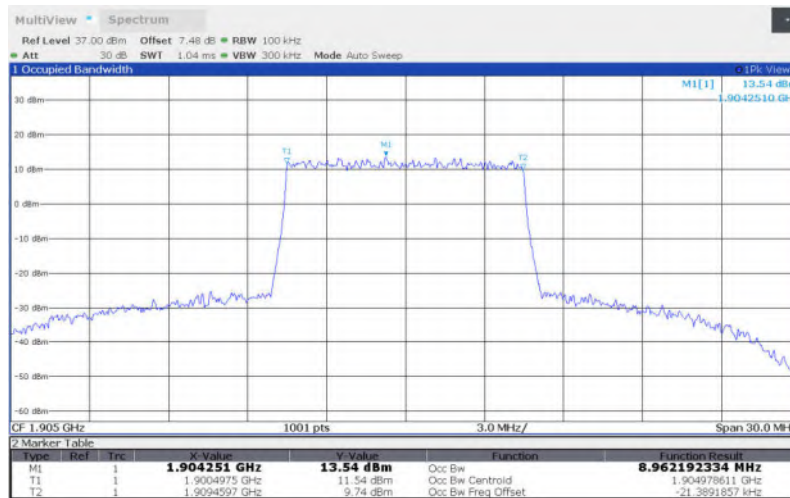
LTE Band 2 , 10MHz Bandwidth,MID,16QAM (99% BW)



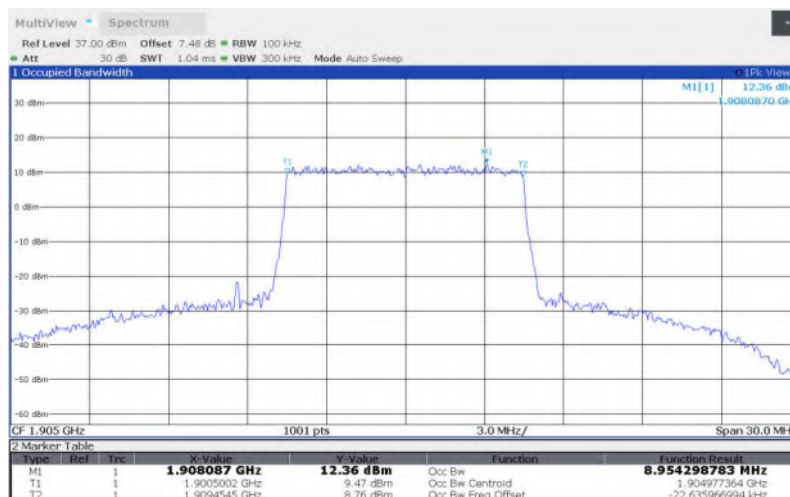
LTE Band 2 , 10MHz Bandwidth,MID,64QAM (99% BW)



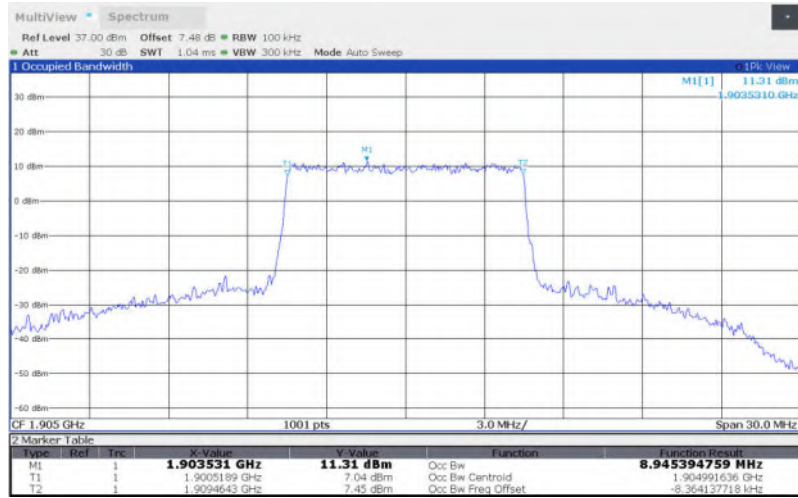
LTE Band 2 , 10MHz Bandwidth,HIGH,QPSK (99% BW)



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



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

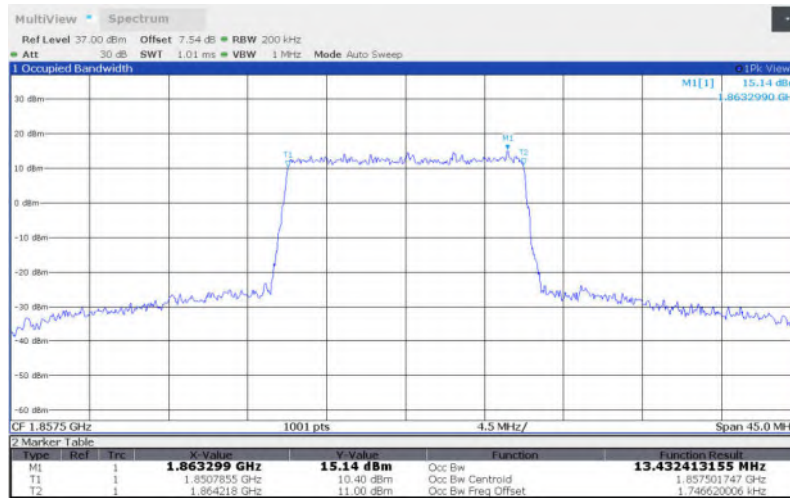




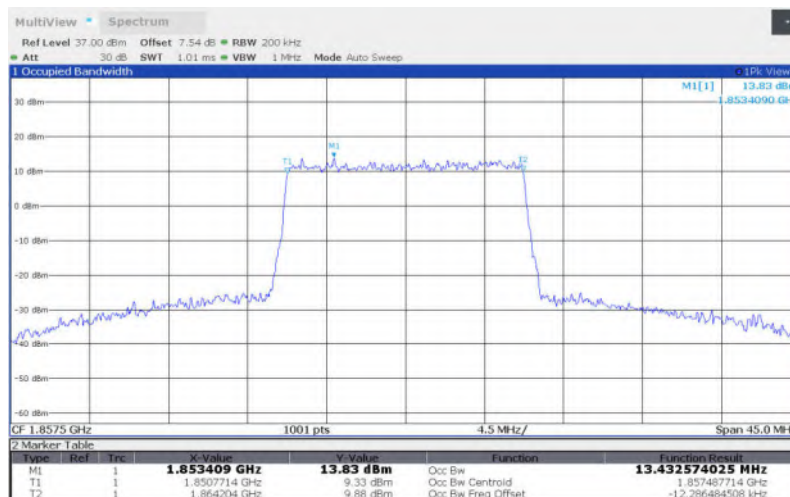
LTE Band 2,15MHz(99% BW)

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)		
	QPSK	16QAM	64QAM
1857.5	13.432	13.433	13.422
1880	13.413	13.463	13.447
1902.5	13.444	13.399	13.406

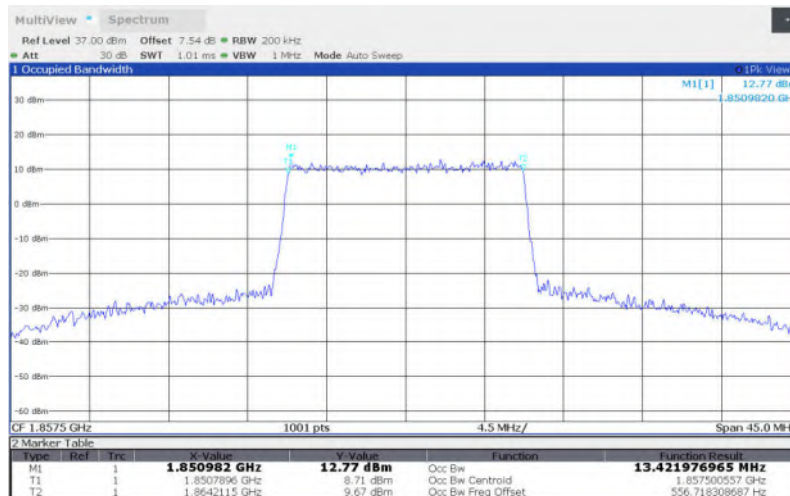
LTE Band 2 , 15MHz Bandwidth,LOW,QPSK (99% BW)



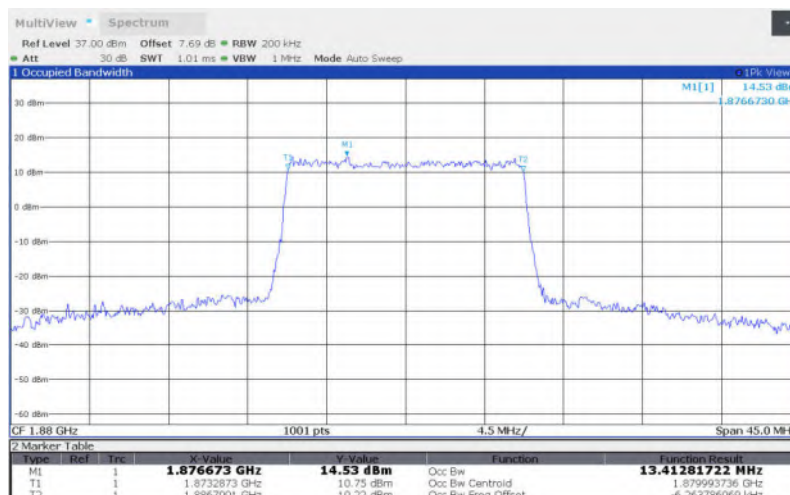
LTE Band 2 , 15MHz Bandwidth,LOW,16QAM (99% BW)



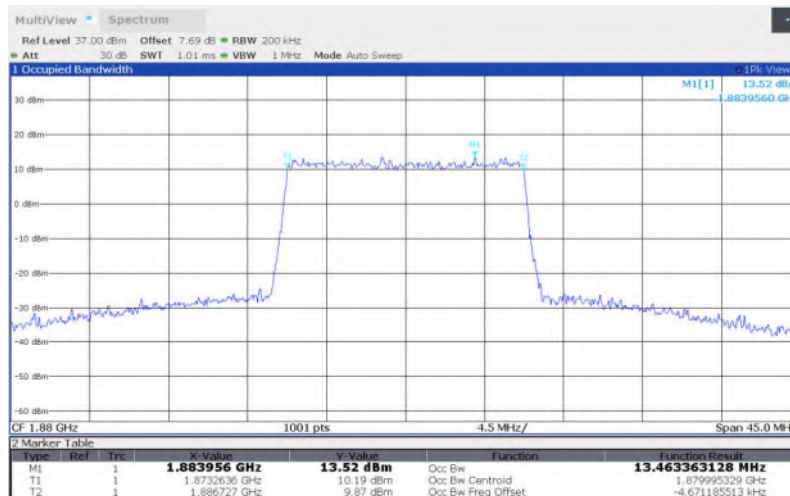
LTE Band 2 , 15MHz Bandwidth,LOW,64QAM (99% BW)



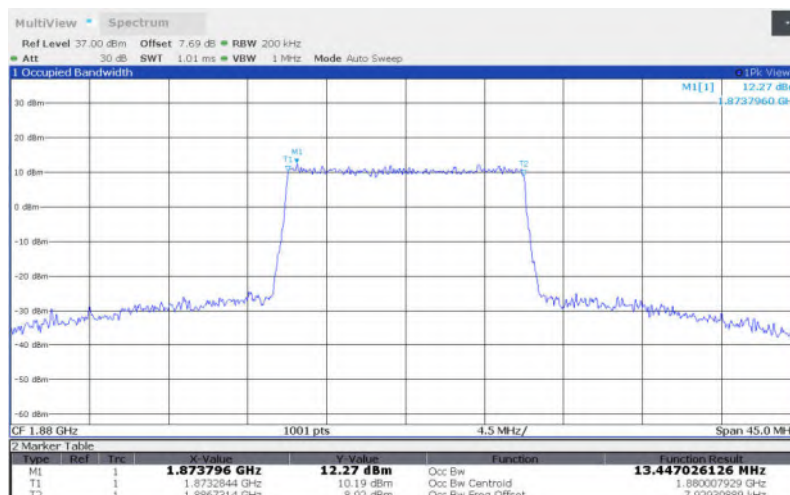
LTE Band 2 , 15MHz Bandwidth,MID,QPSK (99% BW)



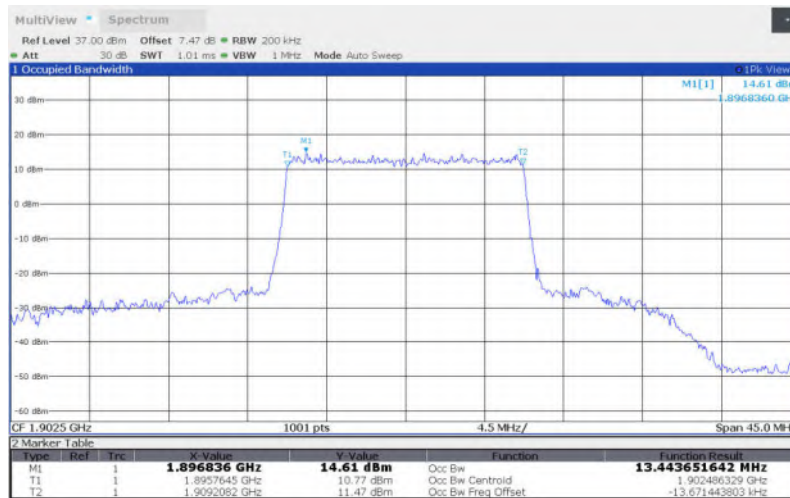
LTE Band 2 , 15MHz Bandwidth,MID,16QAM (99% BW)



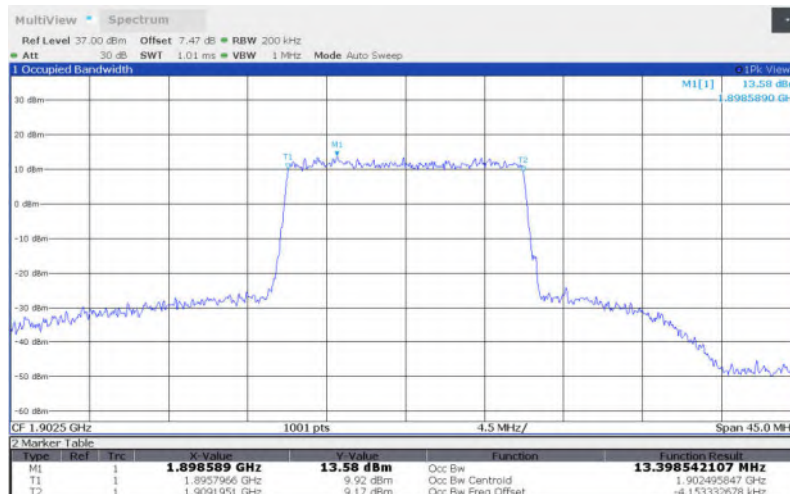
LTE Band 2 , 15MHz Bandwidth,MID,64QAM (99% BW)



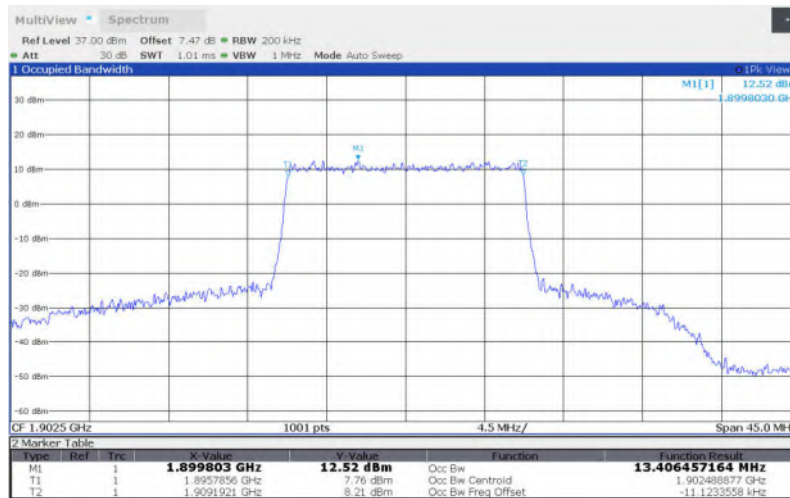
LTE Band 2 , 15MHz Bandwidth,HIGH,QPSK (99% BW)



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

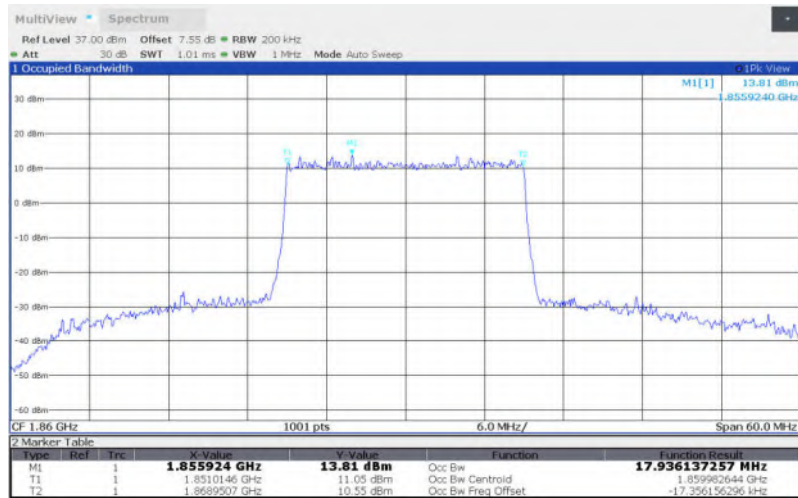
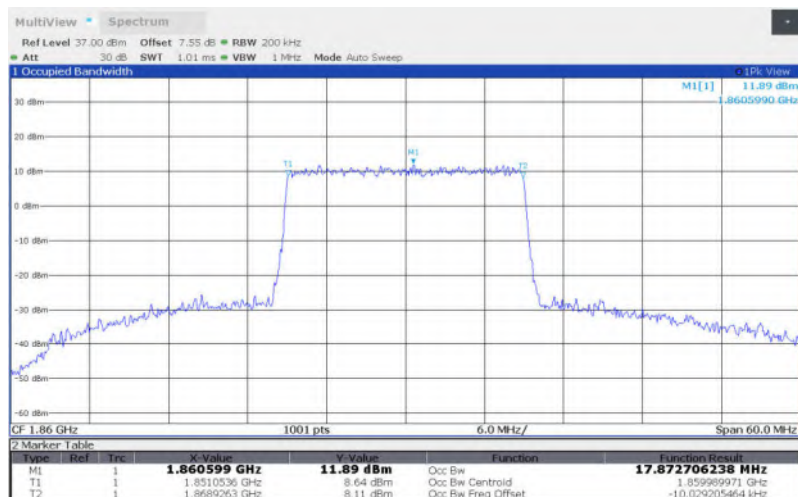


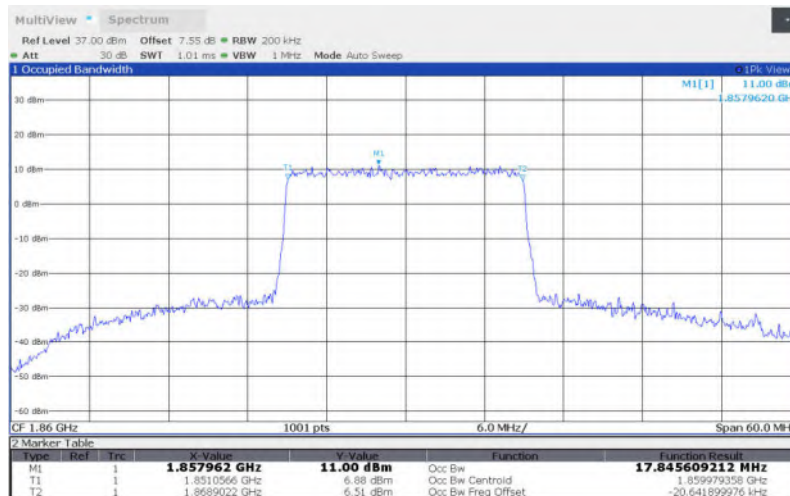
LTE Band 2 , 15MHz Bandwidth,HIGH,64QAM (99% BW)



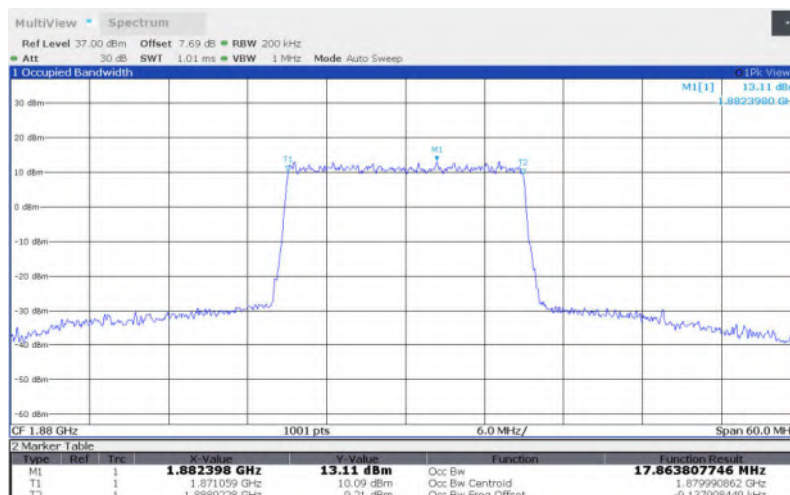
**LTE Band 2,20MHz(99% BW)**

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)		
	QPSK	16QAM	64QAM
1860	17.936	17.873	17.846
1880	17.864	17.909	17.946
1900	17.913	17.895	17.876

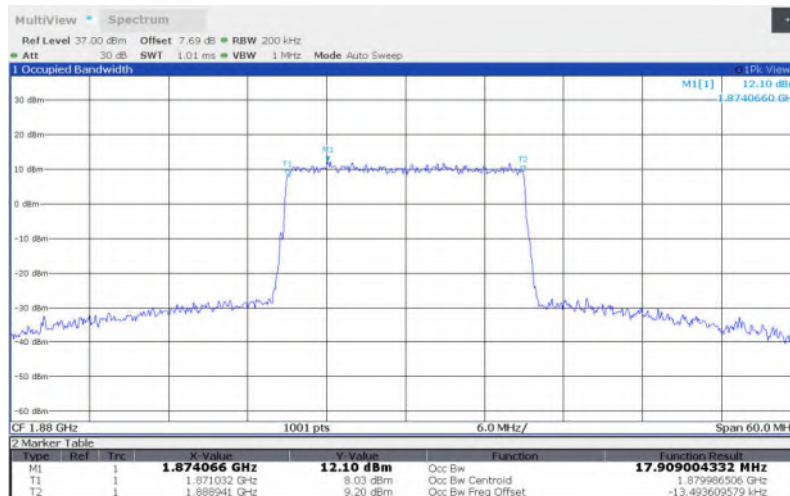
LTE Band 2 , 20MHz Bandwidth,LOW,QPSK (99% BW)**LTE Band 2 , 20MHz Bandwidth,LOW,16QAM (99% BW)****LTE Band 2 , 20MHz Bandwidth,LOW,64QAM (99% BW)**



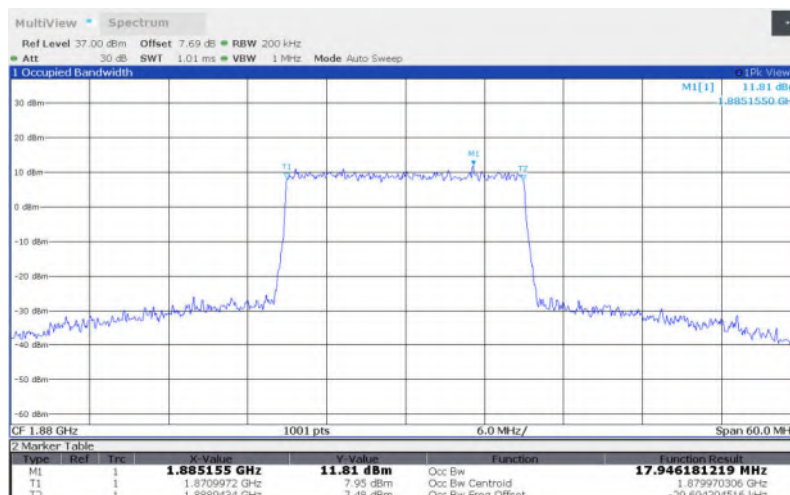
LTE Band 2 , 20MHz Bandwidth,MID,QPSK (99% BW)



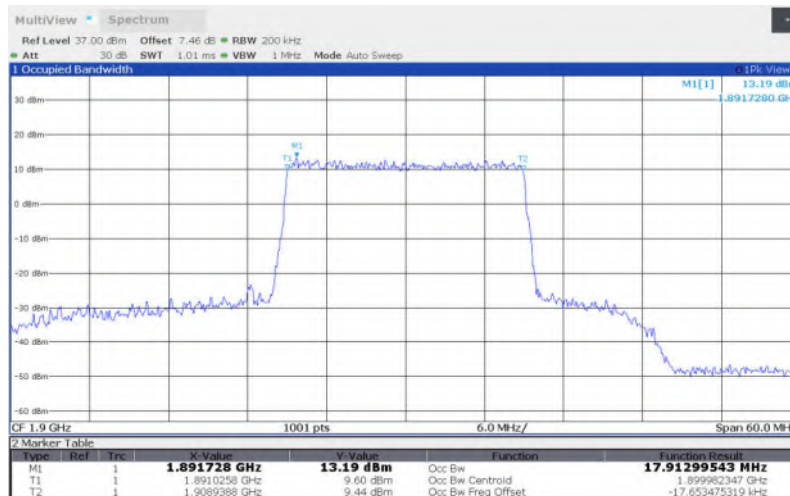
LTE Band 2 , 20MHz Bandwidth,MID,16QAM (99% BW)



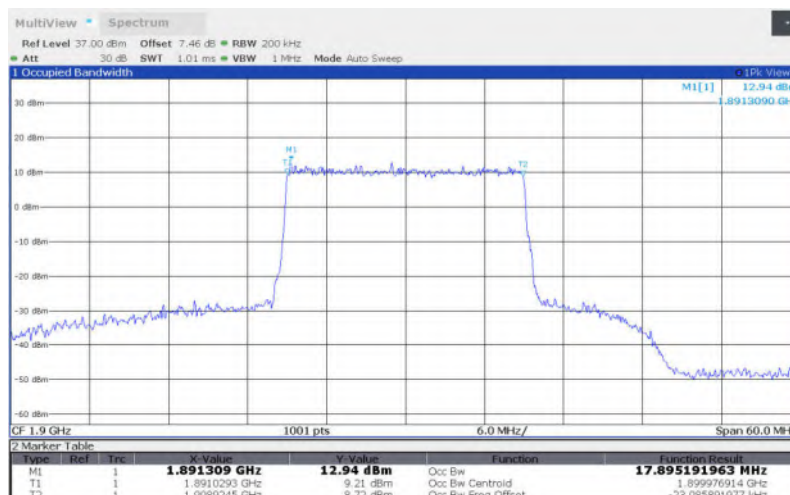
LTE Band 2 , 20MHz Bandwidth,MID,64QAM (99% BW)



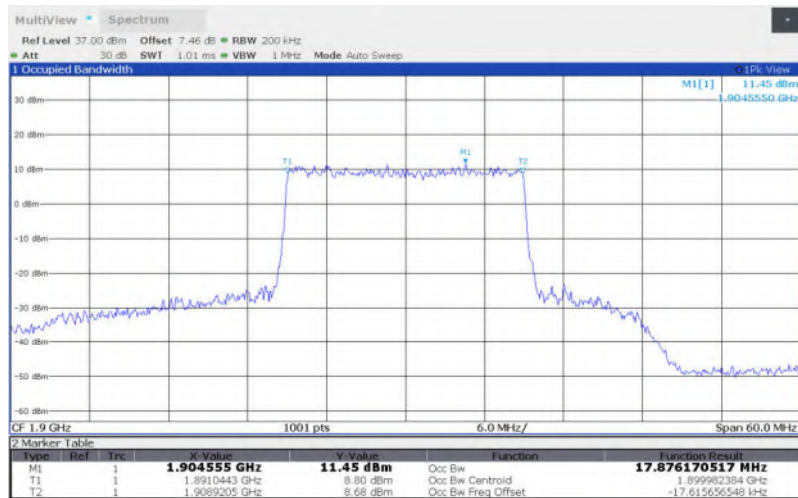
LTE Band 2 , 20MHz Bandwidth,HIGH,QPSK (99% BW)



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



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

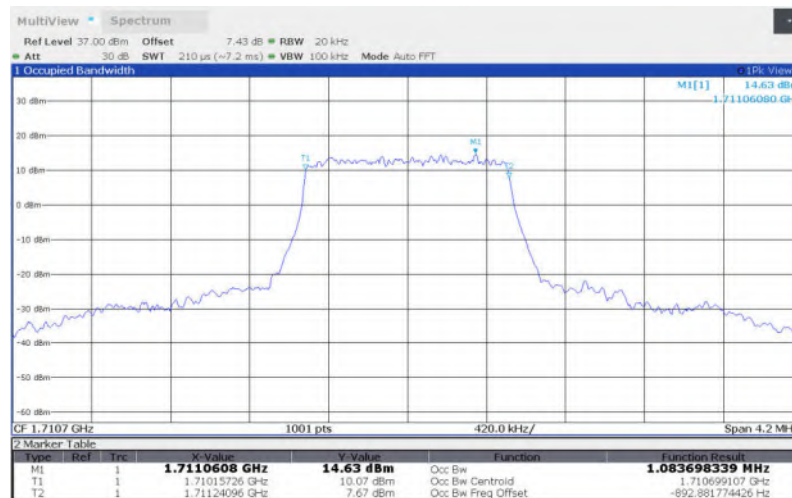




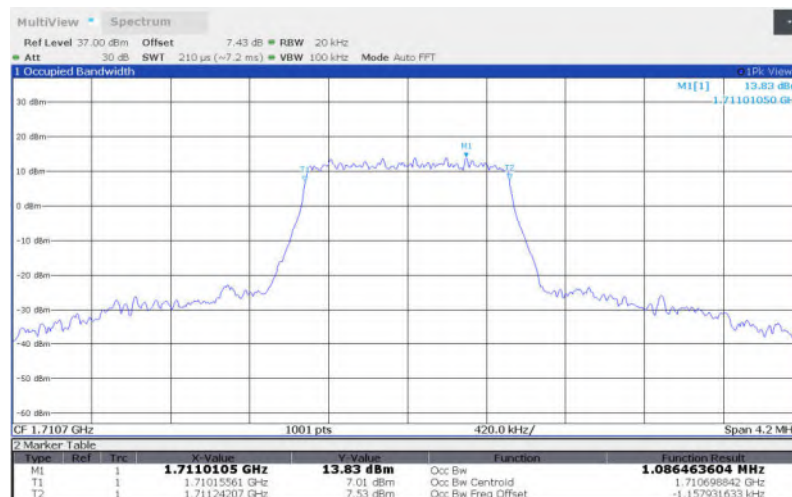
LTE Band 4,1.4MHz(99% BW)

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)		
	QPSK	16QAM	64QAM
1710.7	1.084	1.086	1.082
1732.5	1.088	1.082	1.093
1754.3	1.090	1.086	1.084

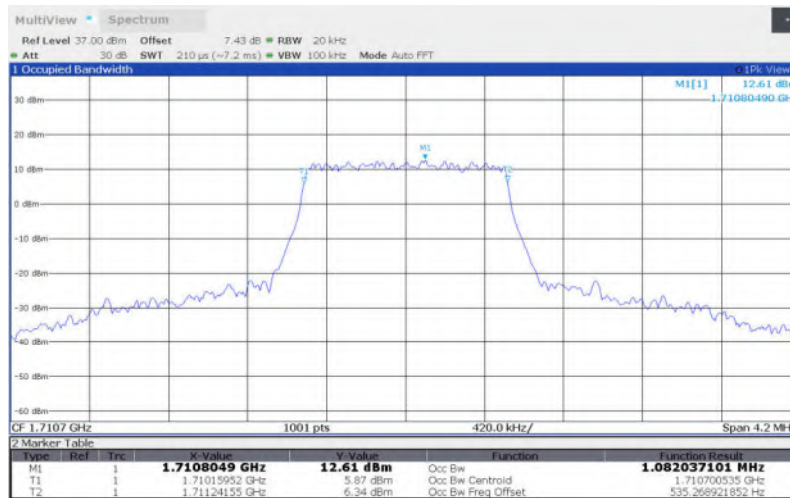
LTE Band 4 , 1.4MHz Bandwidth,LOW,QPSK (99% BW)



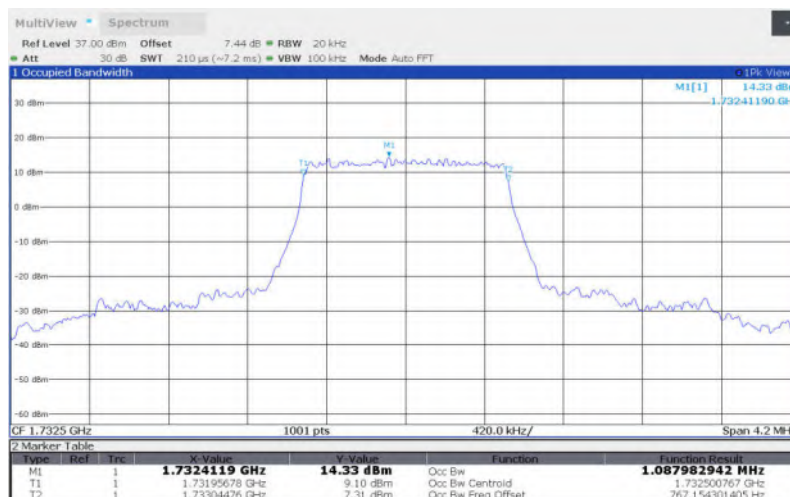
LTE Band 4 , 1.4MHz Bandwidth,LOW,16QAM (99% BW)



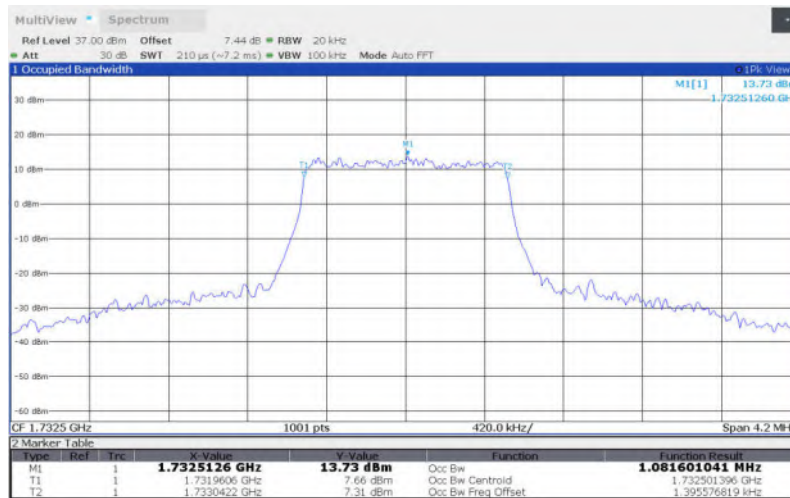
LTE Band 4 , 1.4MHz Bandwidth,LOW,64QAM (99% BW)



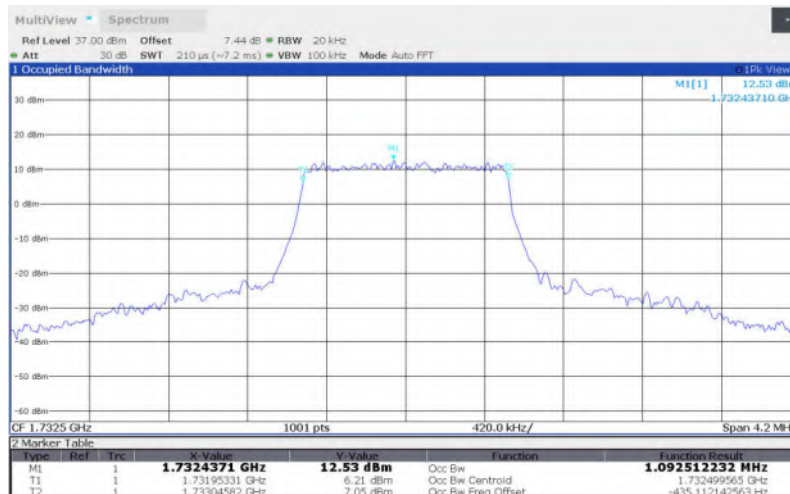
LTE Band 4 , 1.4MHz Bandwidth,MID,QPSK (99% BW)



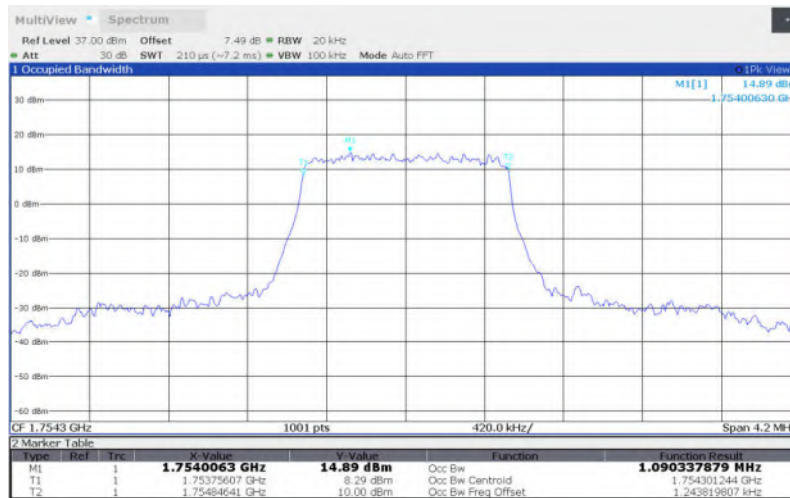
LTE Band 4 , 1.4MHz Bandwidth,MID,16QAM (99% BW)



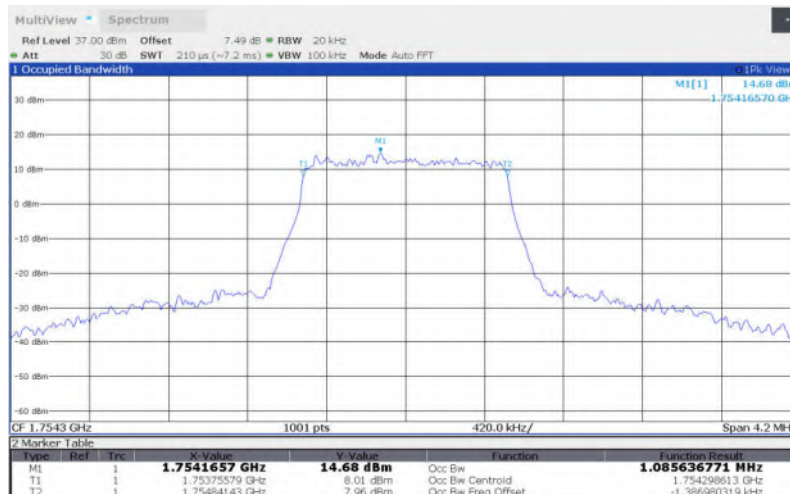
LTE Band 4 , 1.4MHz Bandwidth,MID,64QAM (99% BW)



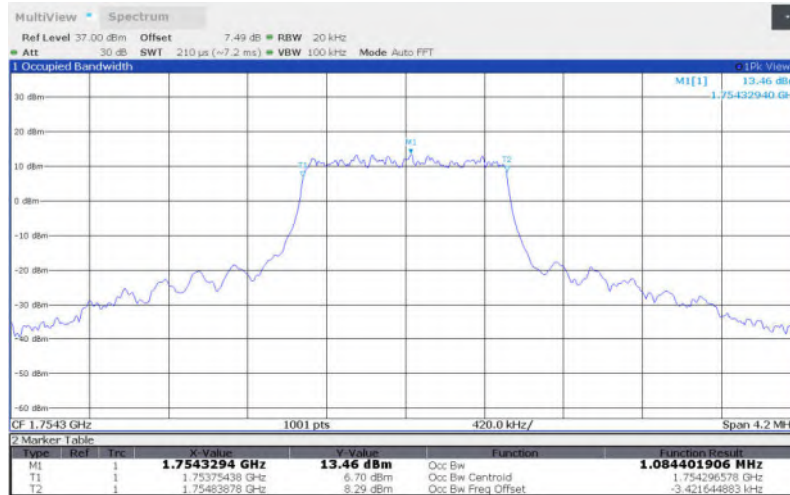
LTE Band 4 , 1.4MHz Bandwidth,HIGH,QPSK (99% BW)



LTE Band 4 , 1.4MHz Bandwidth,HIGH,16QAM (99% BW)

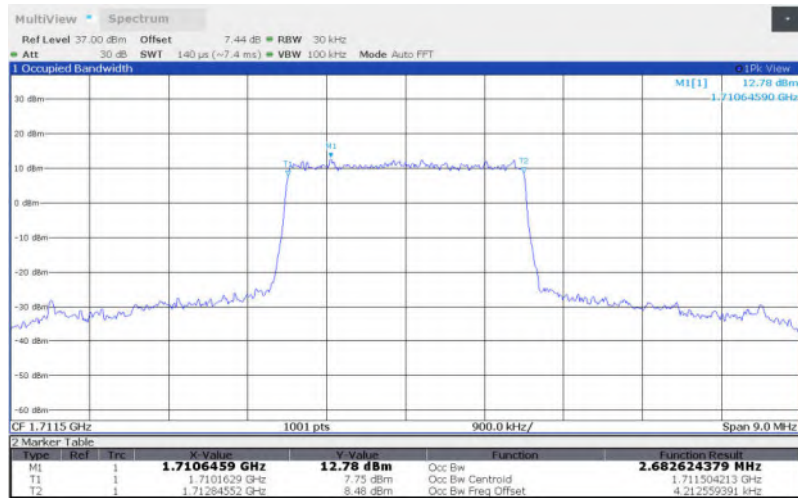
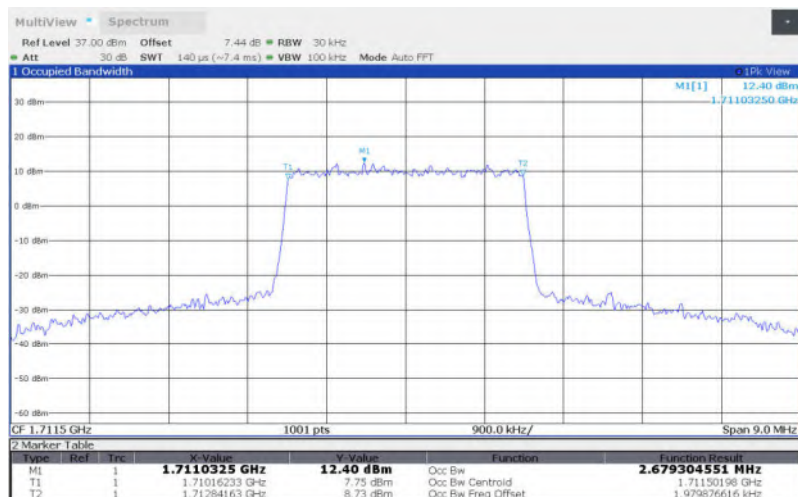


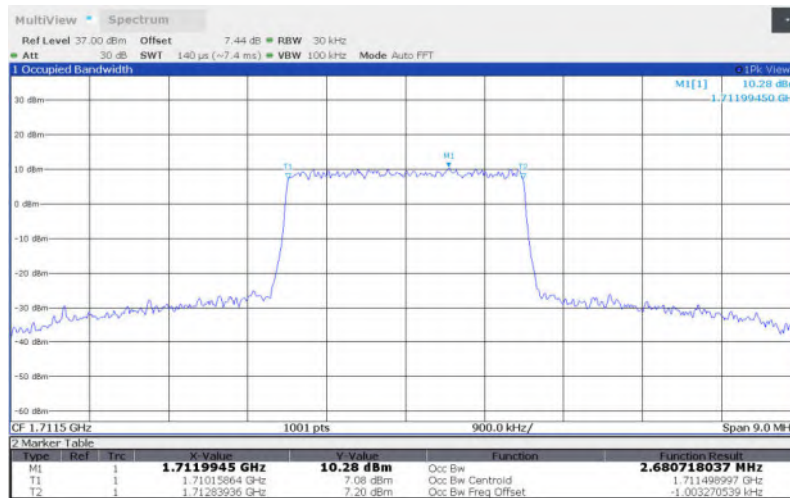
LTE Band 4 , 1.4MHz Bandwidth,HIGH,64QAM (99% BW)



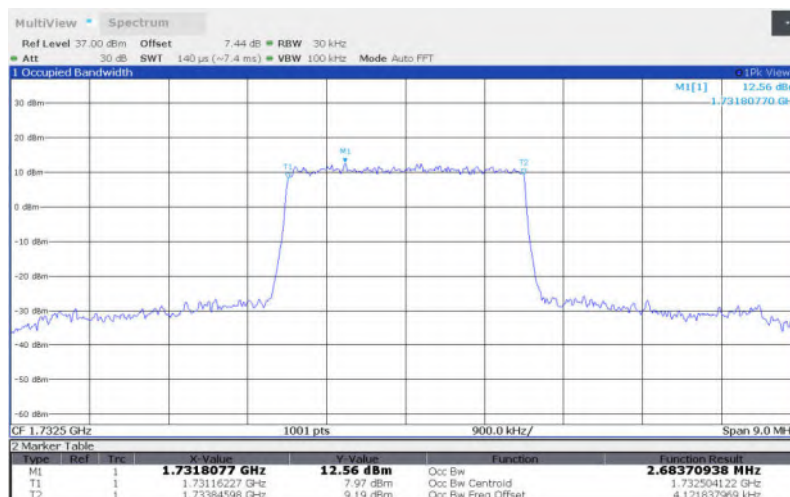
**LTE Band 4,3MHz(99% BW)**

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)		
	QPSK	16QAM	64QAM
1711.5	2.683	2.679	2.681
1732.5	2.684	2.681	2.681
1753.5	2.681	2.677	2.683

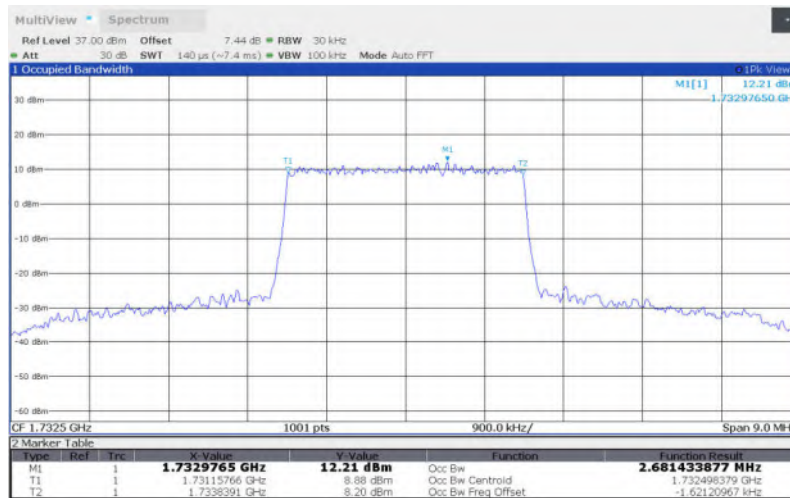
LTE Band 4 , 3MHz Bandwidth,LOW,QPSK (99% BW)**LTE Band 4 , 3MHz Bandwidth,LOW,16QAM (99% BW)****LTE Band 4 , 3MHz Bandwidth,LOW,64QAM (99% BW)**



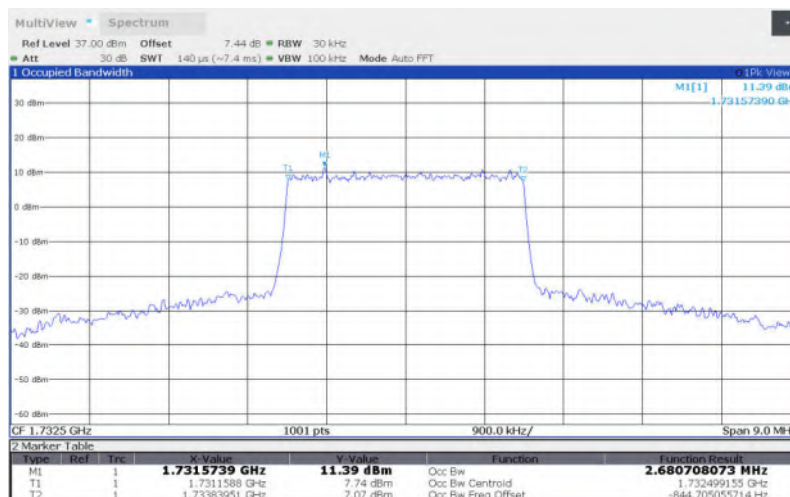
LTE Band 4 , 3MHz Bandwidth,MID,QPSK (99% BW)



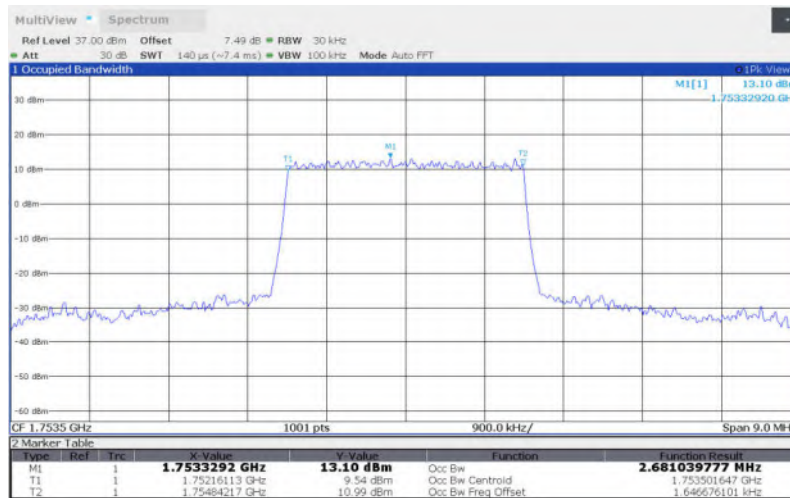
LTE Band 4 , 3MHz Bandwidth,MID,16QAM (99% BW)



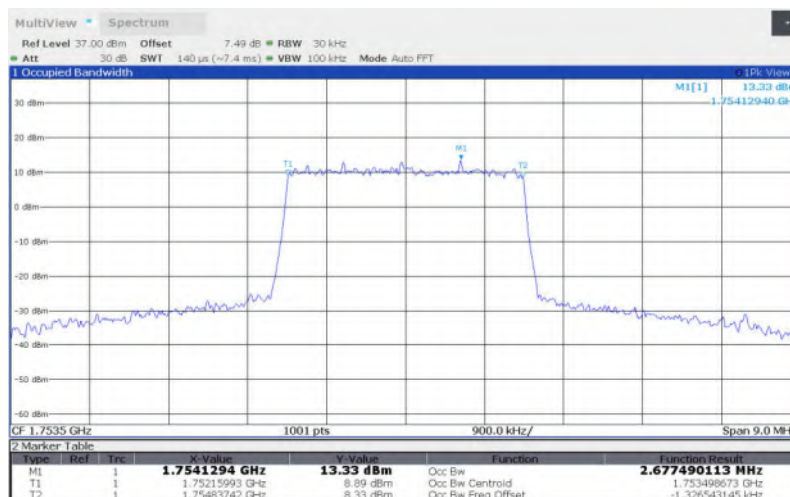
LTE Band 4 , 3MHz Bandwidth,MID,64QAM (99% BW)



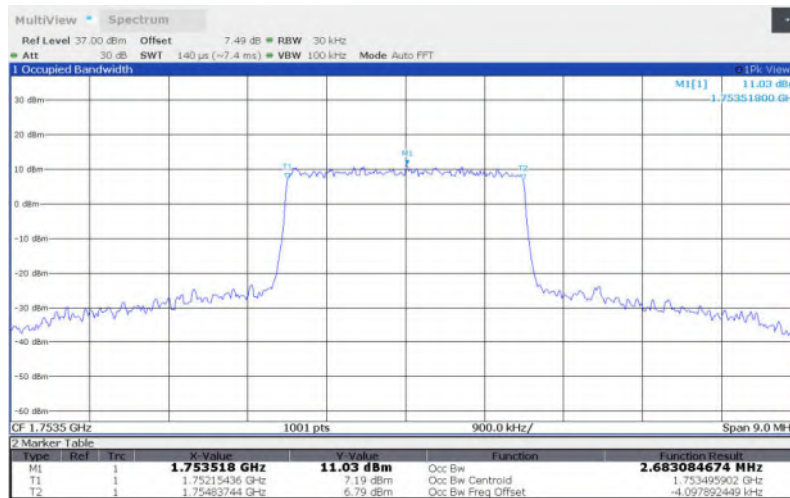
LTE Band 4 , 3MHz Bandwidth,HIGH,QPSK (99% BW)



LTE Band 4 , 3MHz Bandwidth,HIGH,16QAM (99% BW)

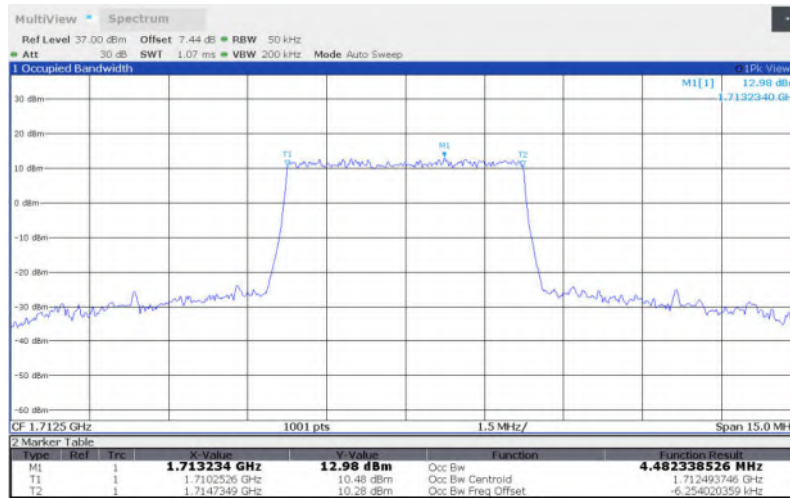
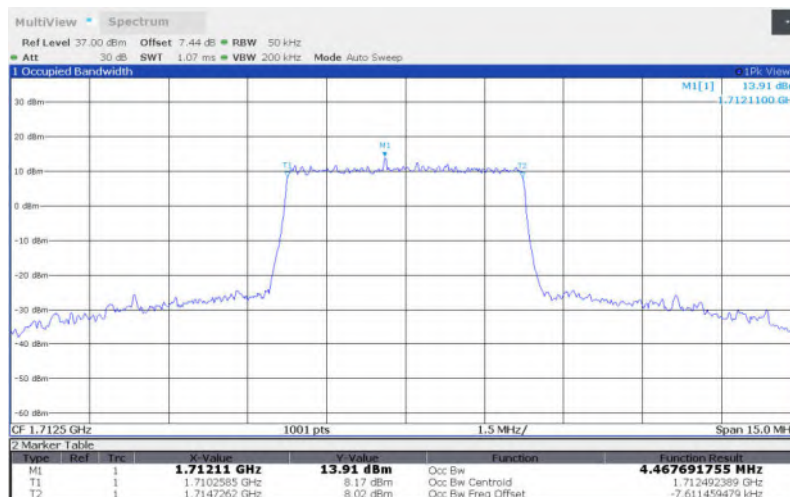


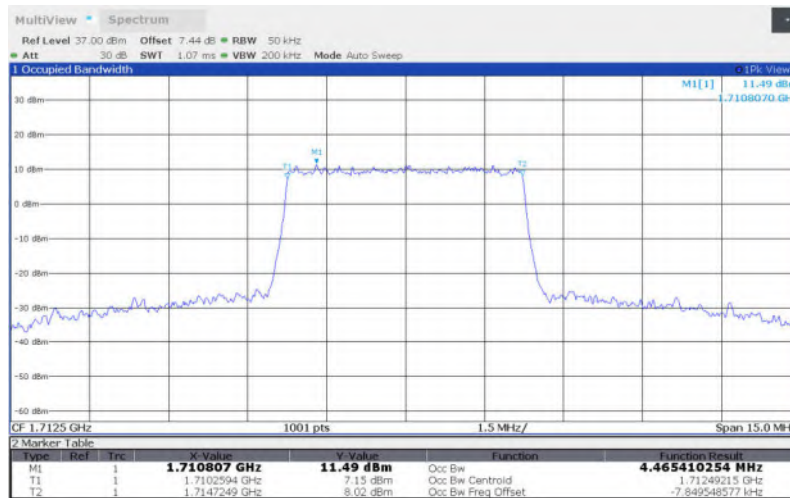
LTE Band 4 , 3MHz Bandwidth,HIGH,64QAM (99% BW)



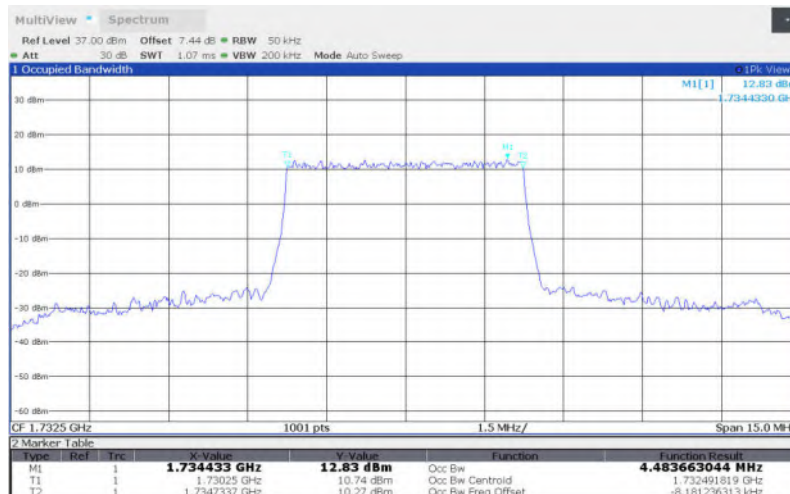
**LTE Band 4,5MHz(99% BW)**

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)		
	QPSK	16QAM	64QAM
1712.5	4.482	4.468	4.465
1732.5	4.484	4.480	4.472
1752.5	4.464	4.470	4.472

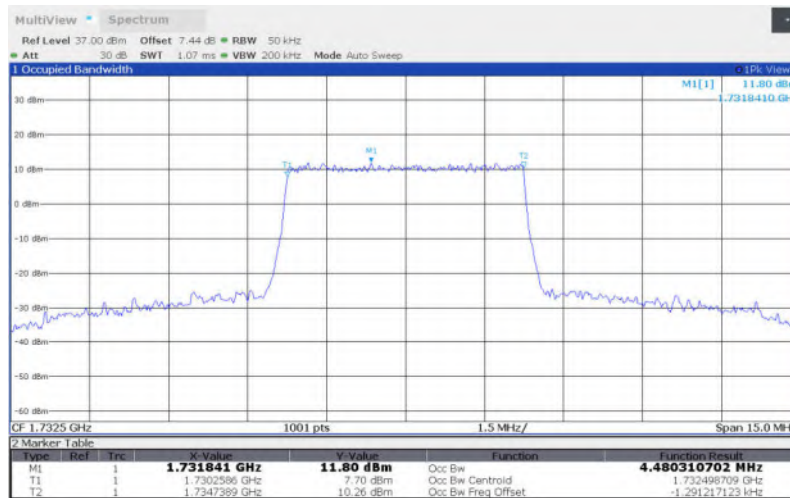
LTE Band 4 , 5MHz Bandwidth,LOW,QPSK (99% BW)**LTE Band 4 , 5MHz Bandwidth,LOW,16QAM (99% BW)****LTE Band 4 , 5MHz Bandwidth,LOW,64QAM (99% BW)**



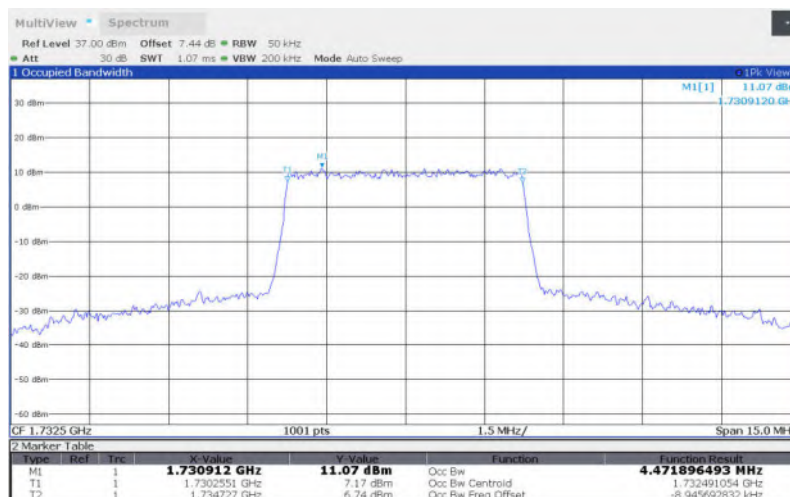
LTE Band 4 , 5MHz Bandwidth,MID,QPSK (99% BW)



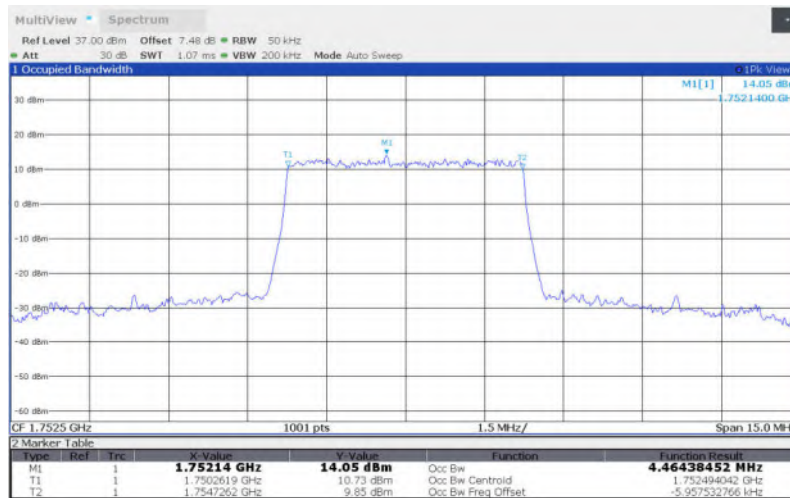
LTE Band 4 , 5MHz Bandwidth,MID,16QAM (99% BW)



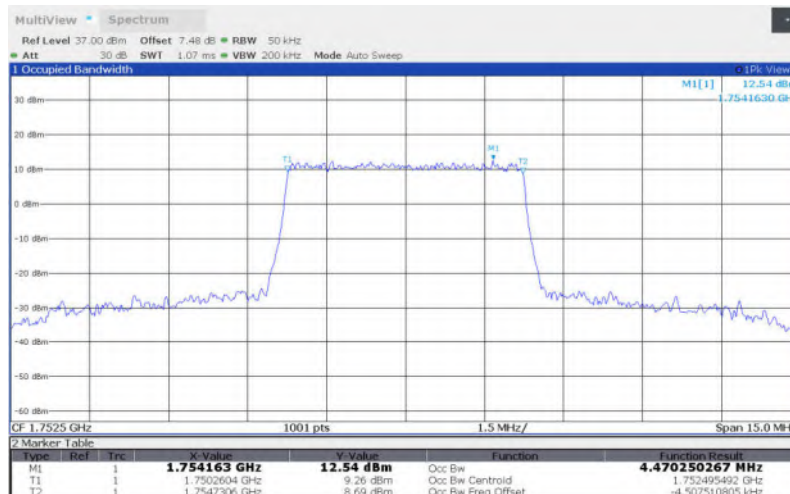
LTE Band 4 , 5MHz Bandwidth,MID,64QAM (99% BW)



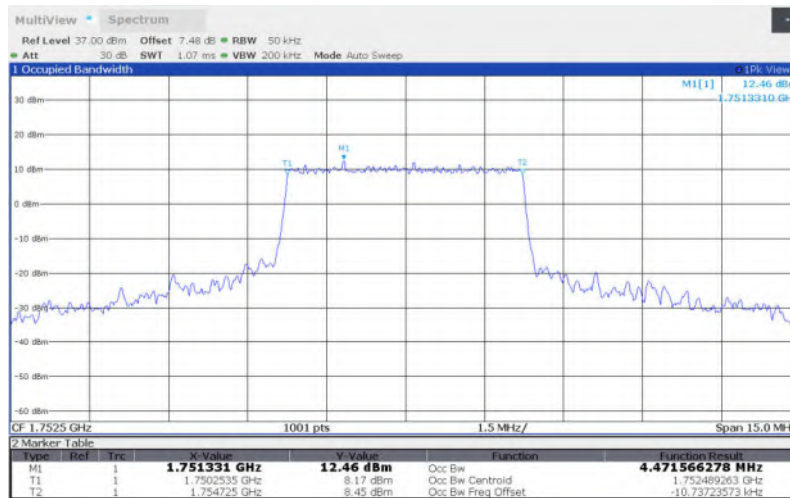
LTE Band 4 , 5MHz Bandwidth,HIGH,QPSK (99% BW)



LTE Band 4 , 5MHz Bandwidth,HIGH,16QAM (99% BW)

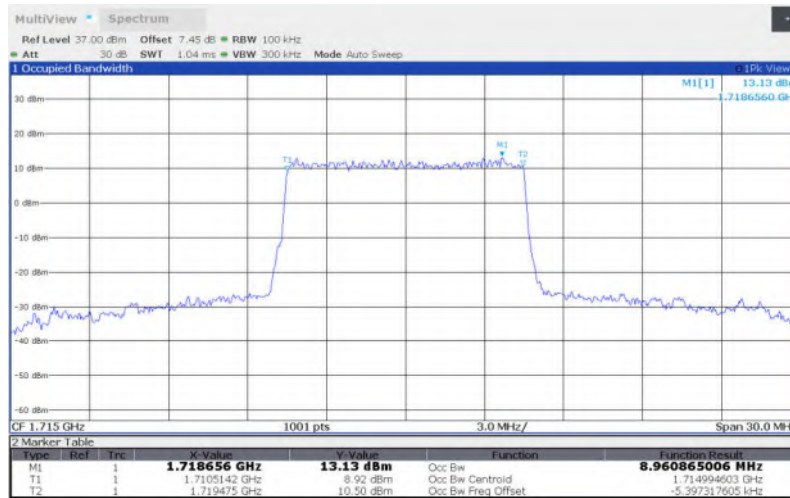
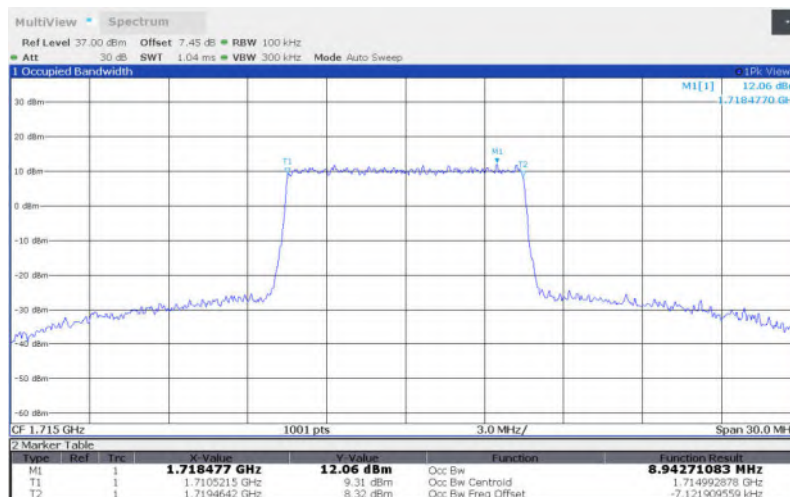


LTE Band 4 , 5MHz Bandwidth,HIGH,64QAM (99% BW)



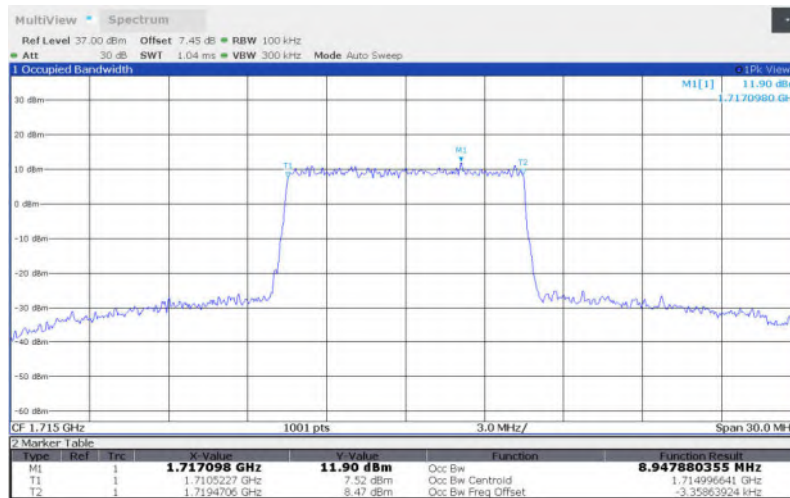
**LTE Band 4,10MHz(99% BW)**

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)		
	QPSK	16QAM	64QAM
1715	8.961	8.943	8.948
1732.5	8.945	8.948	8.945
1750	8.953	8.948	8.956

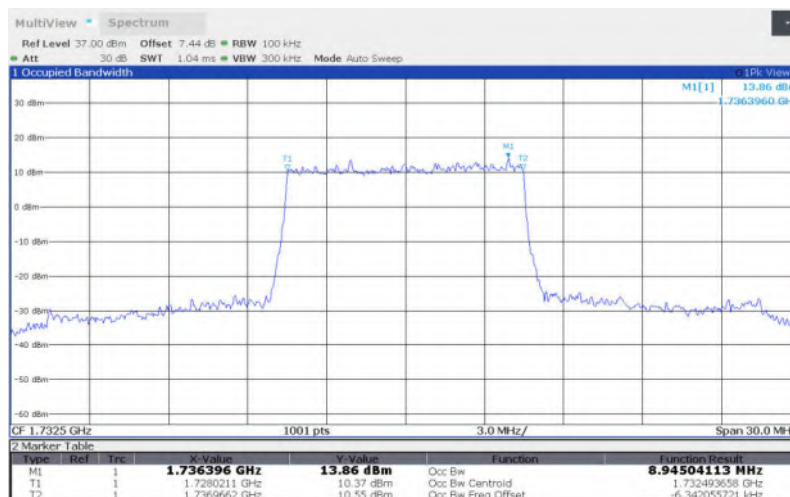
LTE Band 4 , 10MHz Bandwidth,LOW,QPSK (99% BW)**LTE Band 4 , 10MHz Bandwidth,LOW,16QAM (99% BW)****LTE Band 4 , 10MHz Bandwidth,LOW,64QAM (99% BW)**



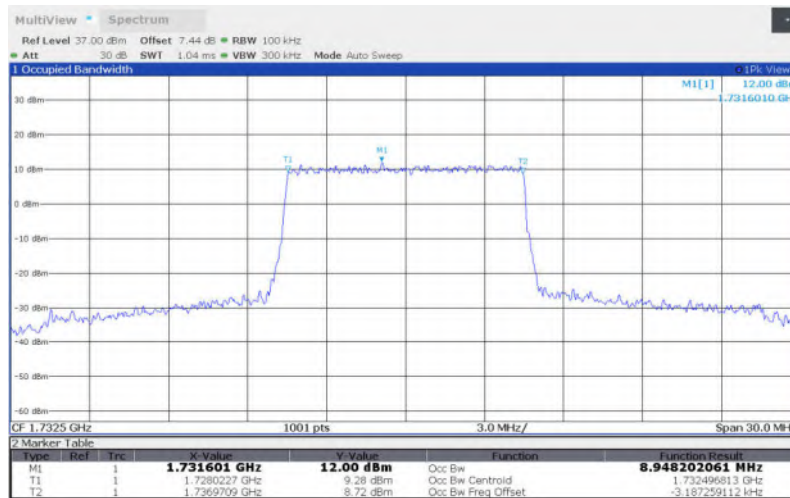
No.24T04N002827-005-RF LTE



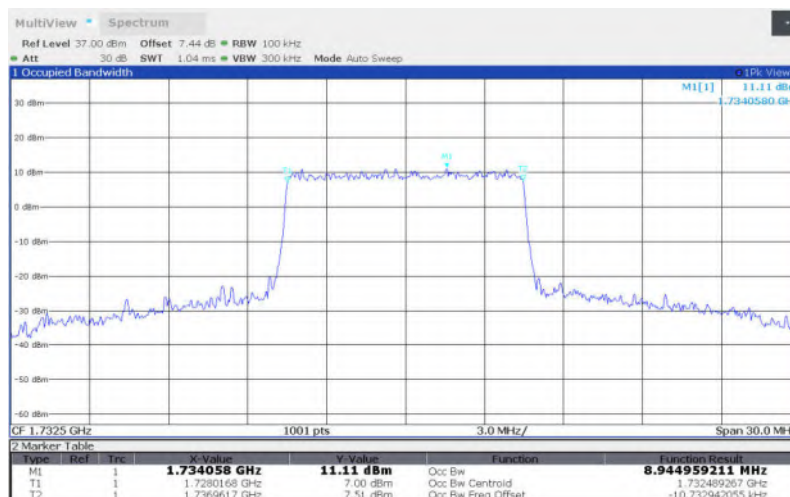
LTE Band 4 , 10MHz Bandwidth,MID,QPSK (99% BW)



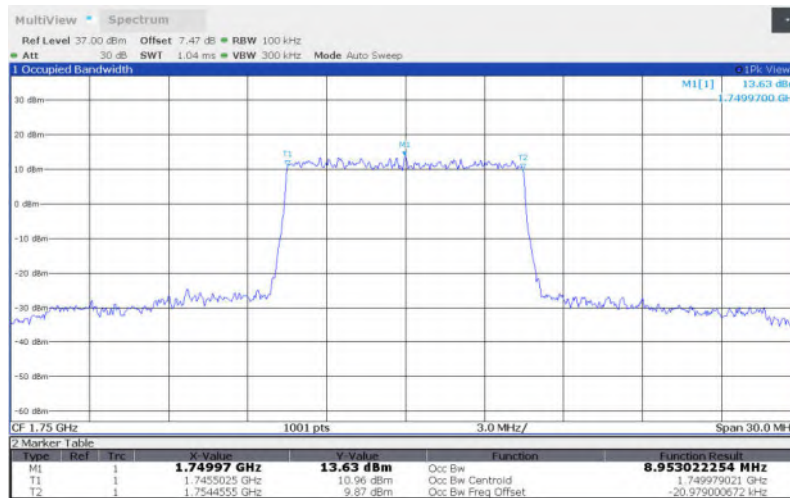
LTE Band 4 , 10MHz Bandwidth,MID,16QAM (99% BW)



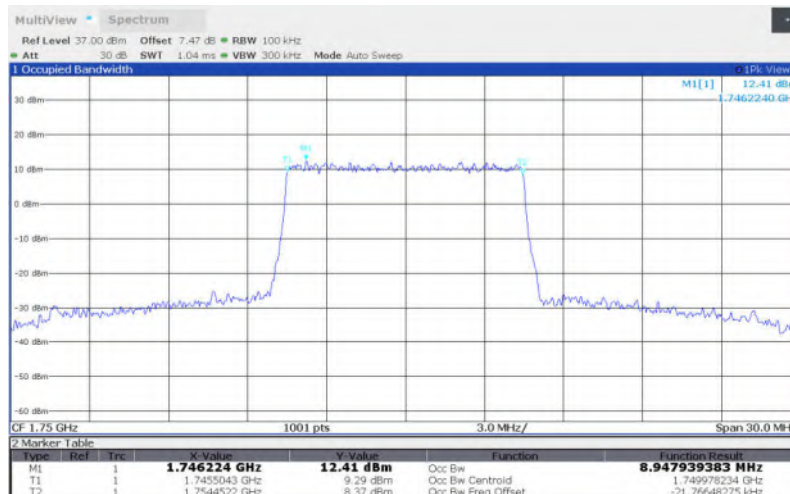
LTE Band 4 , 10MHz Bandwidth,MID,64QAM (99% BW)



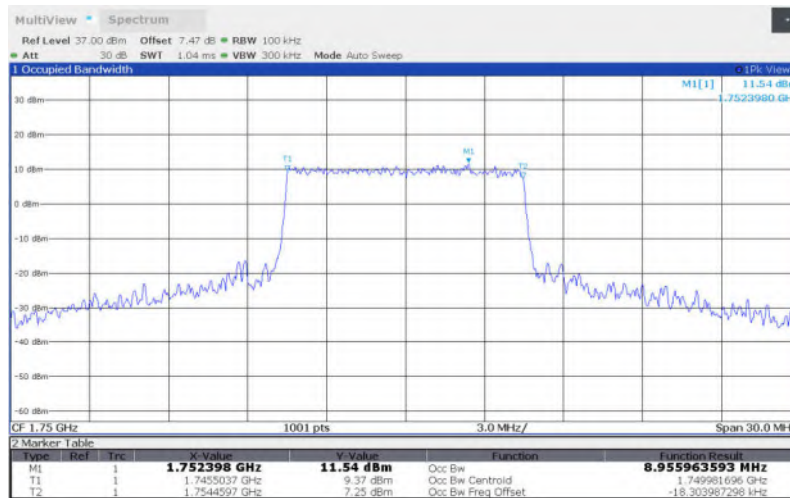
LTE Band 4 , 10MHz Bandwidth,HIGH,QPSK (99% BW)



LTE Band 4 , 10MHz Bandwidth,HIGH,16QAM (99% BW)

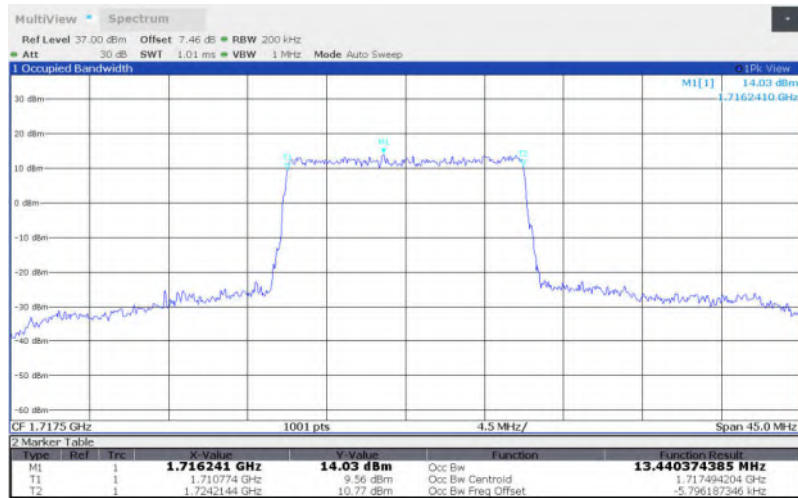
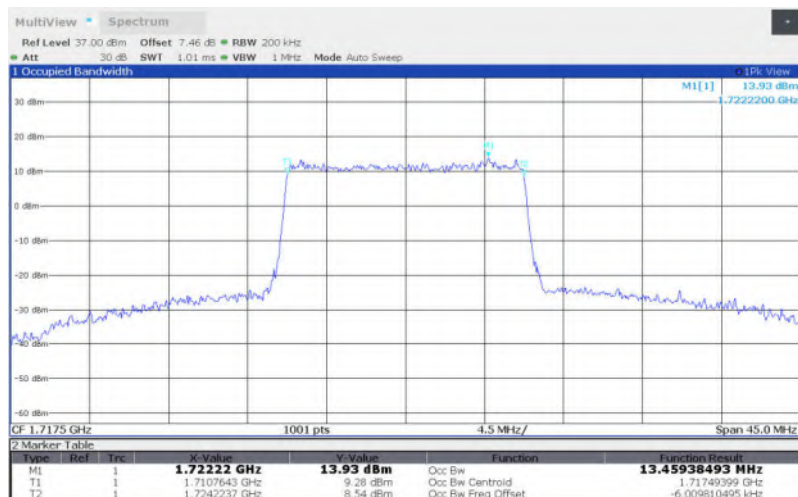


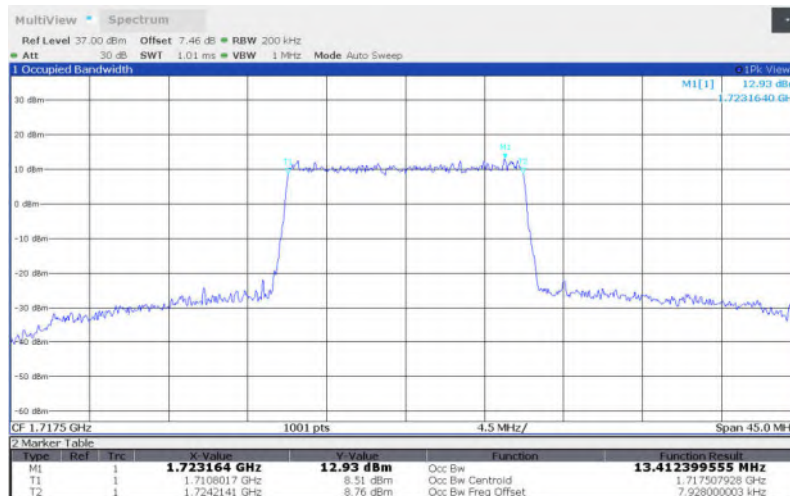
LTE Band 4 , 10MHz Bandwidth,HIGH,64QAM (99% BW)



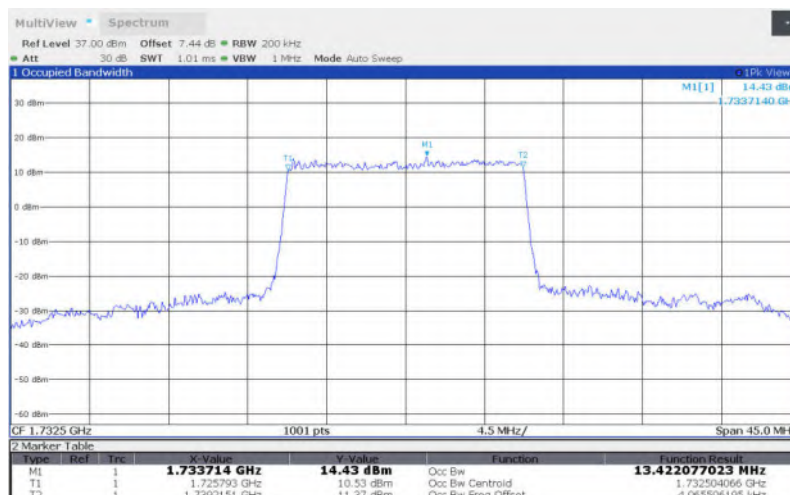
**LTE Band 4,15MHz(99% BW)**

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)		
	QPSK	16QAM	64QAM
1717.5	13.440	13.459	13.412
1732.5	13.422	13.429	13.418
1747.5	13.430	13.449	13.463

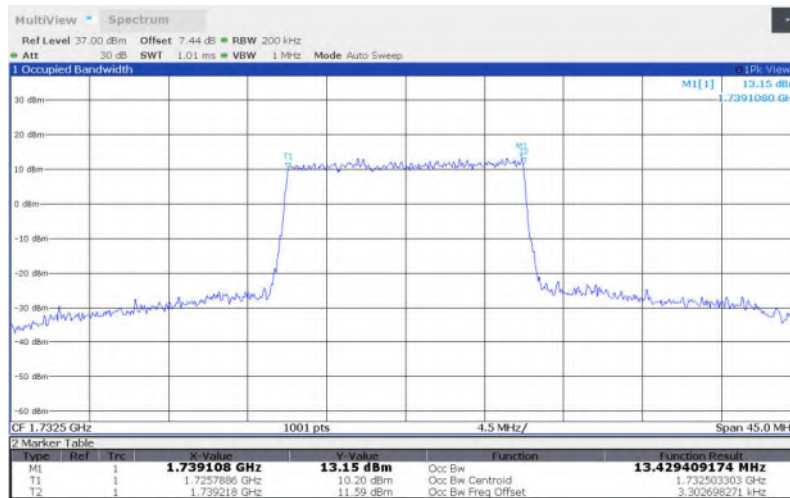
LTE Band 4 , 15MHz Bandwidth,LOW,QPSK (99% BW)**LTE Band 4 , 15MHz Bandwidth,LOW,16QAM (99% BW)****LTE Band 4 , 15MHz Bandwidth,LOW,64QAM (99% BW)**



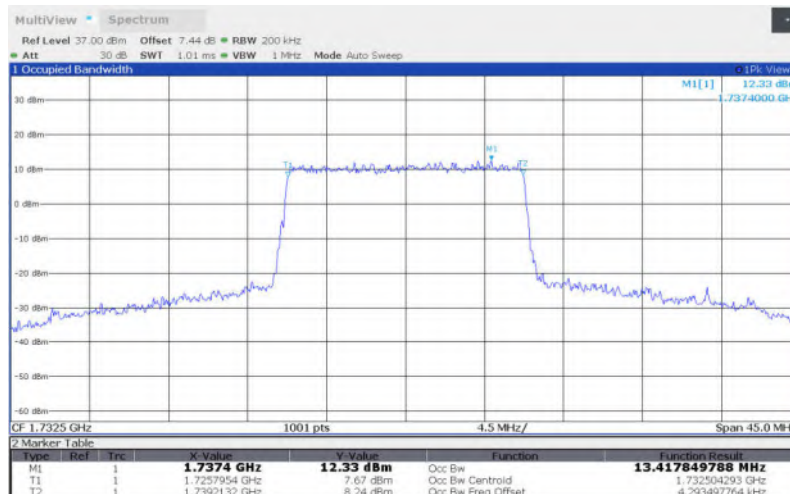
LTE Band 4 , 15MHz Bandwidth,MID,QPSK (99% BW)



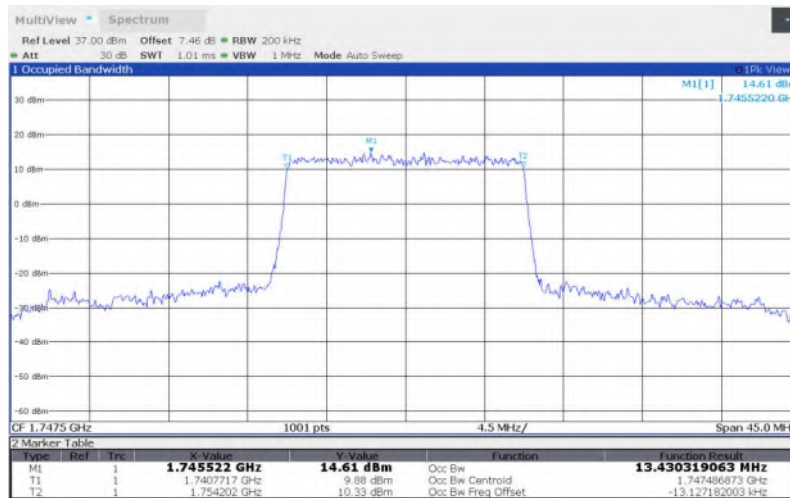
LTE Band 4 , 15MHz Bandwidth,MID,16QAM (99% BW)



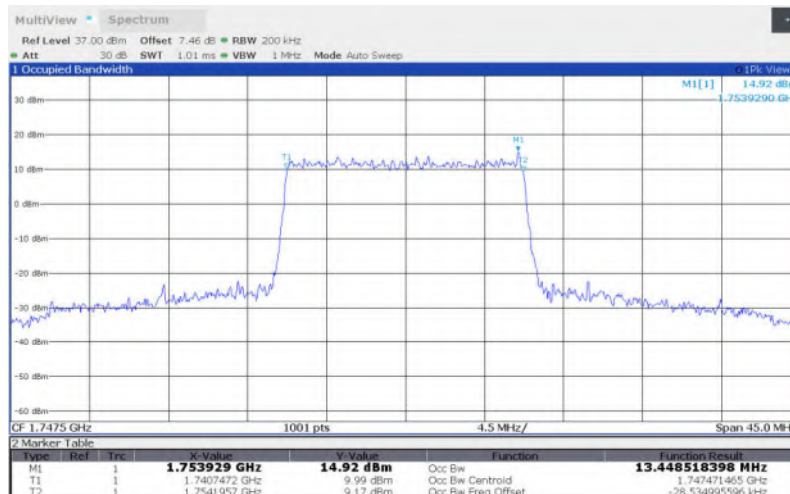
LTE Band 4 , 15MHz Bandwidth,MID,64QAM (99% BW)



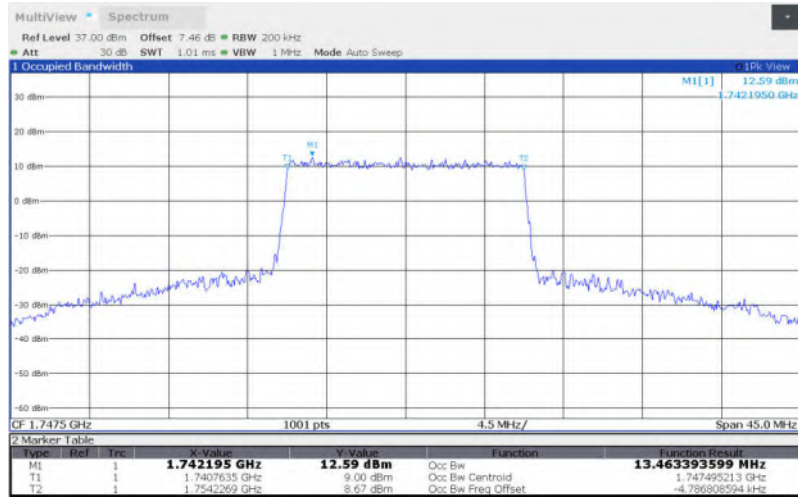
LTE Band 4 , 15MHz Bandwidth,HIGH,QPSK (99% BW)



LTE Band 4 , 15MHz Bandwidth,HIGH,16QAM (99% BW)



LTE Band 4 , 15MHz Bandwidth,HIGH,64QAM (99% BW)

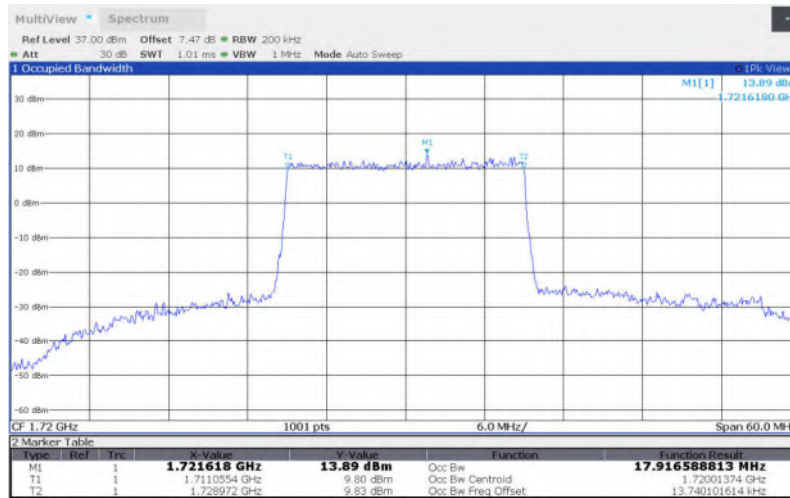




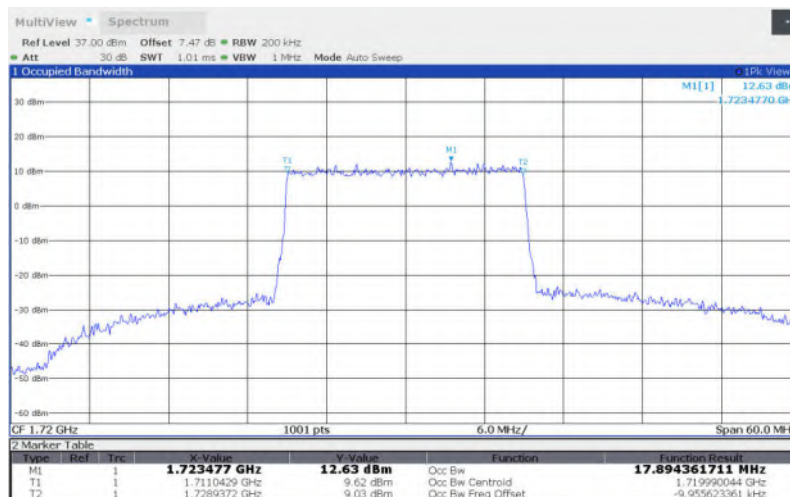
LTE Band 4,20MHz(99% BW)

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)		
	QPSK	16QAM	64QAM
1720	17.917	17.894	17.869
1732.5	17.897	17.920	17.888
1745	17.846	17.901	17.908

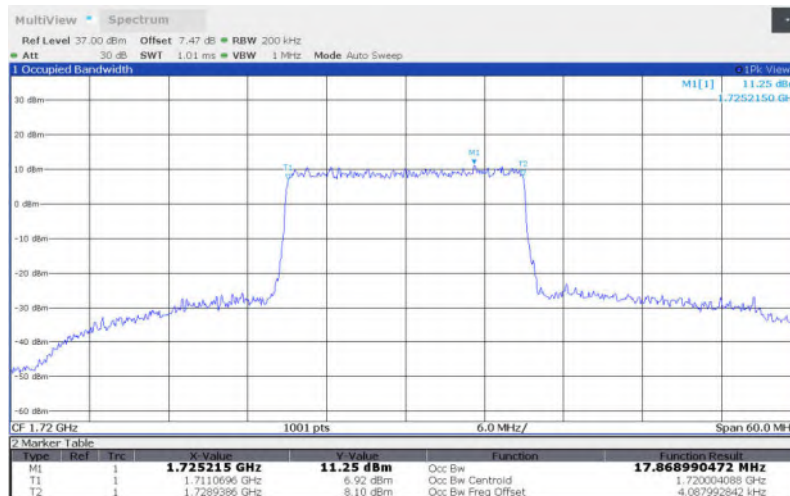
LTE Band 4 , 20MHz Bandwidth,LOW,QPSK (99% BW)



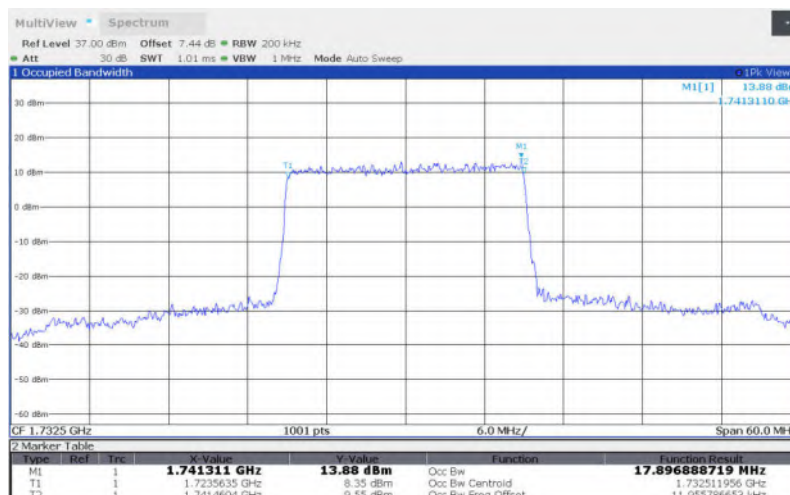
LTE Band 4 , 20MHz Bandwidth,LOW,16QAM (99% BW)



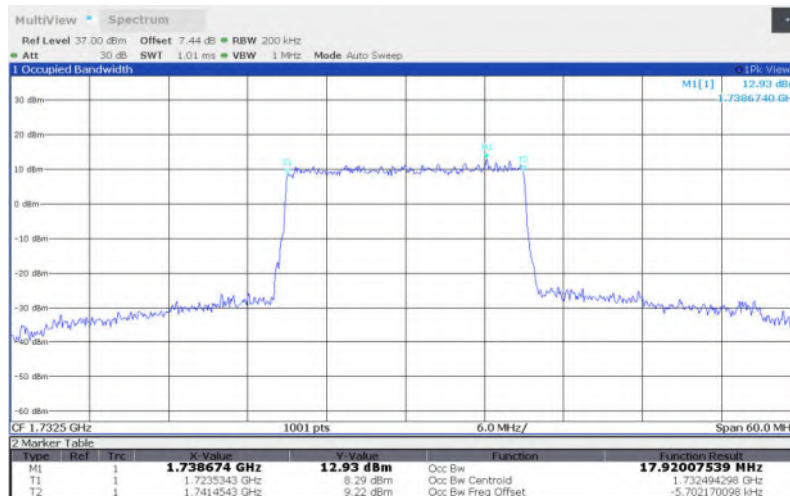
LTE Band 4 , 20MHz Bandwidth,LOW,64QAM (99% BW)



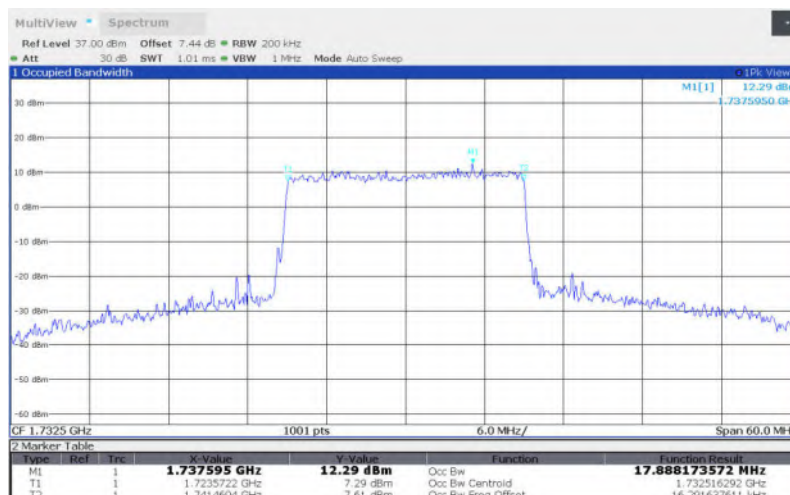
LTE Band 4 , 20MHz Bandwidth,MID,QPSK (99% BW)



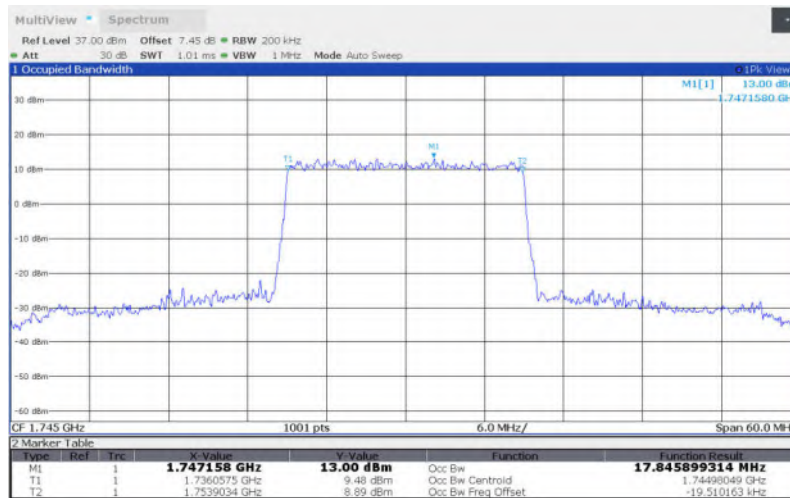
LTE Band 4 , 20MHz Bandwidth,MID,16QAM (99% BW)



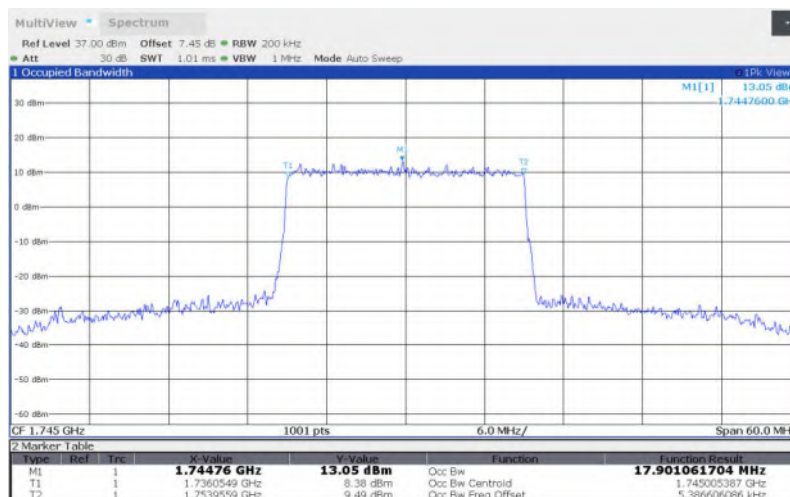
LTE Band 4 , 20MHz Bandwidth,MID,64QAM (99% BW)



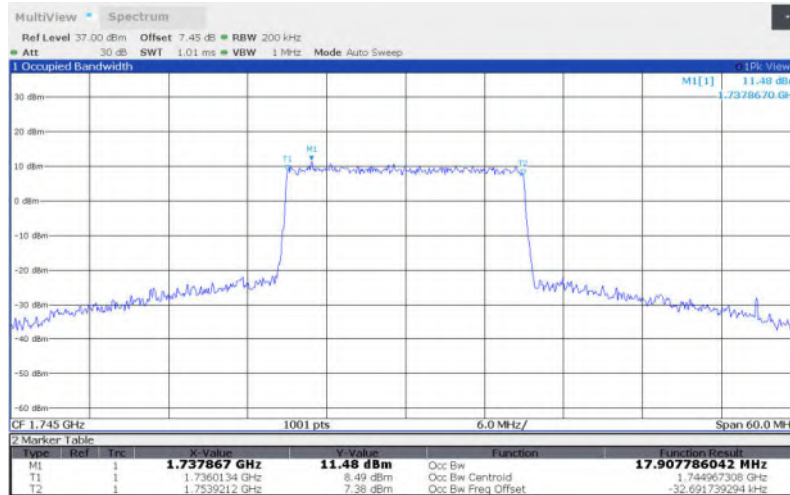
LTE Band 4 , 20MHz Bandwidth,HIGH,QPSK (99% BW)



LTE Band 4 , 20MHz Bandwidth,HIGH,16QAM (99% BW)



LTE Band 4 , 20MHz Bandwidth,HIGH,64QAM (99% BW)





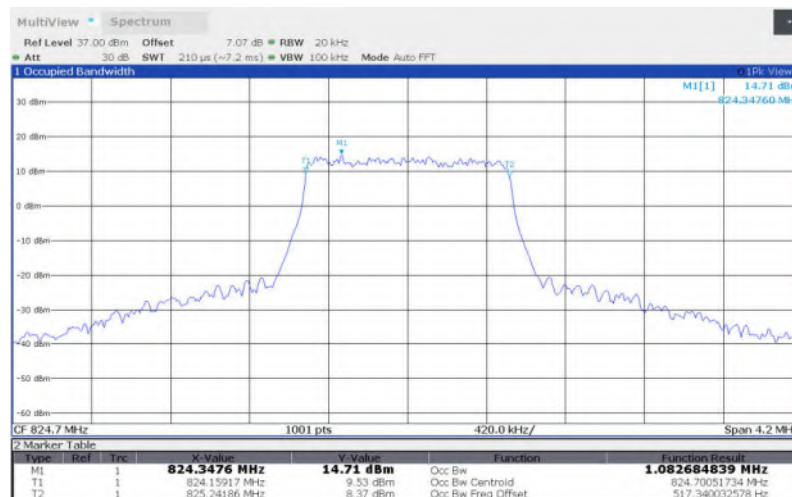
LTE Band 5,1.4MHz(99% BW)

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)		
	QPSK	16QAM	64QAM
824.7	1.086	1.083	1.092
836.5	1.092	1.085	1.085
848.3	1.081	1.088	1.082

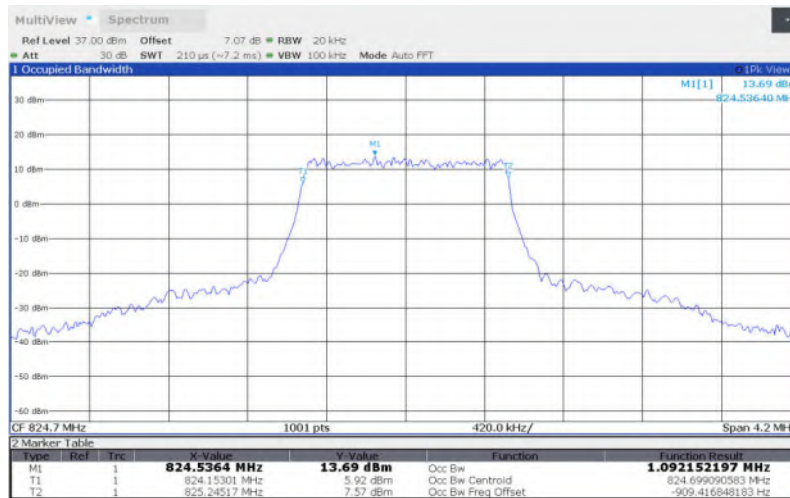
LTE Band 5 , 1.4MHz Bandwidth,LOW,QPSK (99% BW)



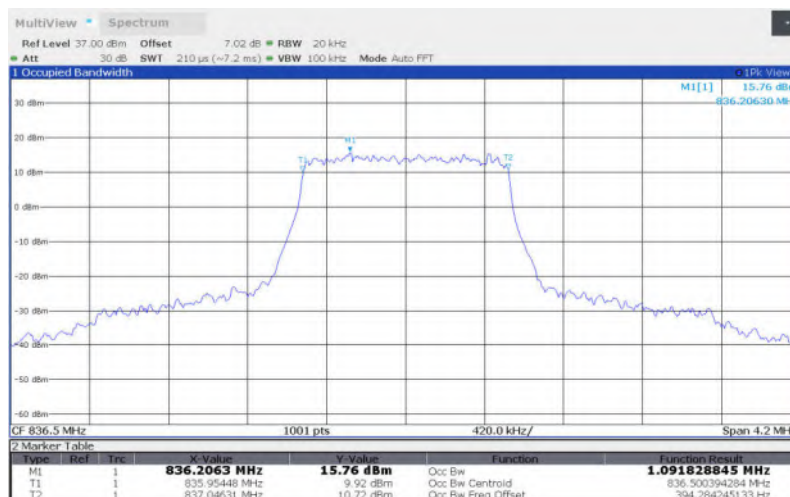
LTE Band 5 , 1.4MHz Bandwidth,LOW,16QAM (99% BW)



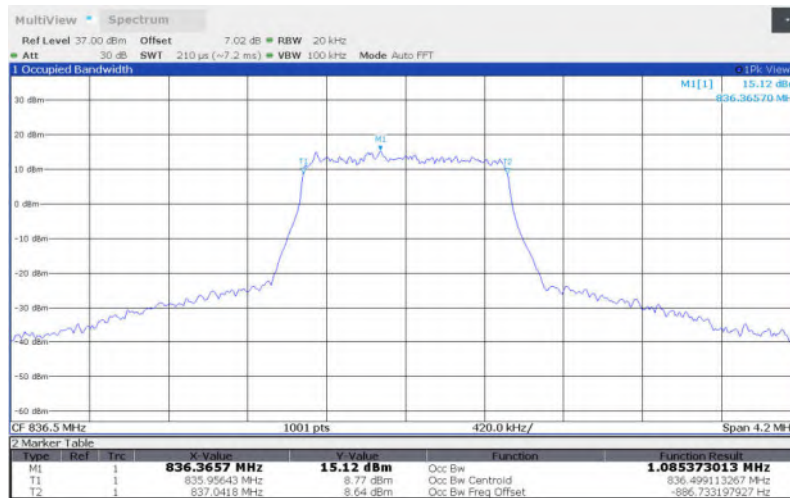
LTE Band 5 , 1.4MHz Bandwidth,LOW,64QAM (99% BW)



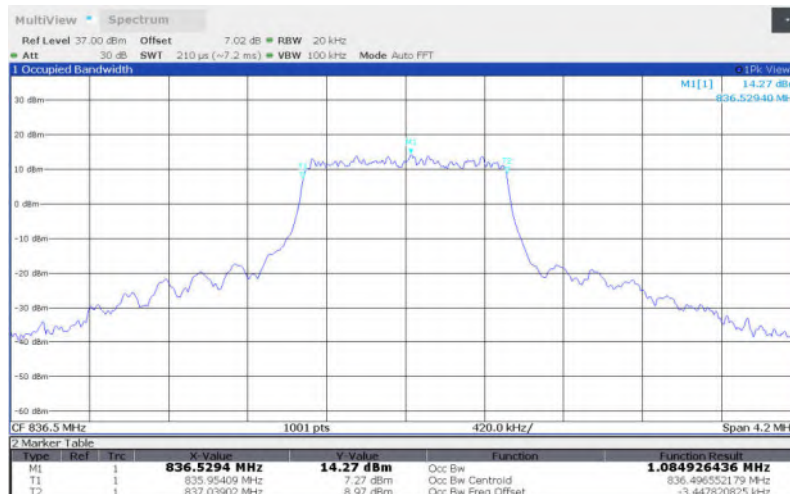
LTE Band 5 , 1.4MHz Bandwidth,MID,QPSK (99% BW)



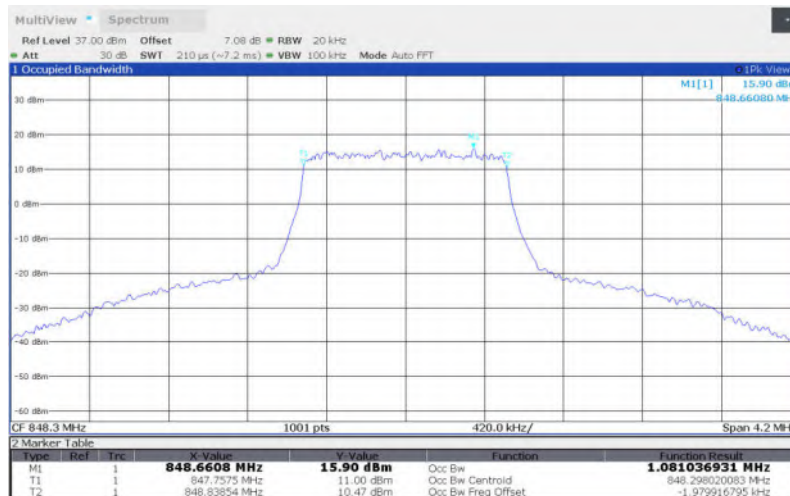
LTE Band 5 , 1.4MHz Bandwidth,MID,16QAM (99% BW)



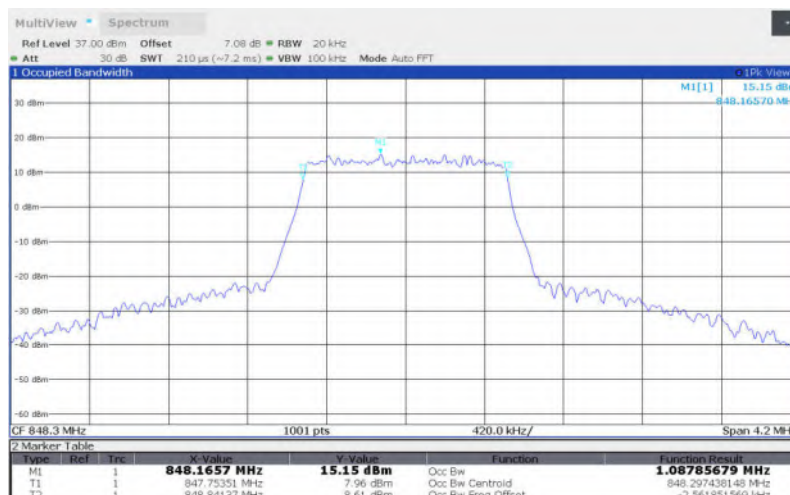
LTE Band 5 , 1.4MHz Bandwidth,MID,64QAM (99% BW)



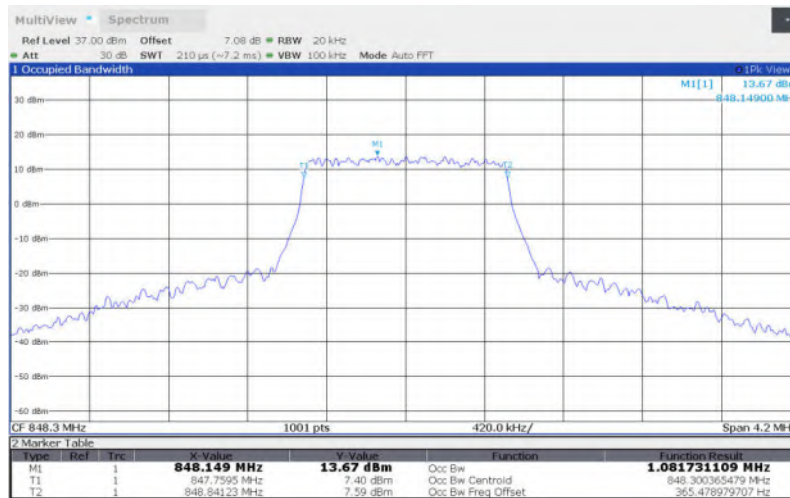
LTE Band 5 , 1.4MHz Bandwidth,HIGH,QPSK (99% BW)



LTE Band 5 , 1.4MHz Bandwidth,HIGH,16QAM (99% BW)



LTE Band 5 , 1.4MHz Bandwidth,HIGH,64QAM (99% BW)

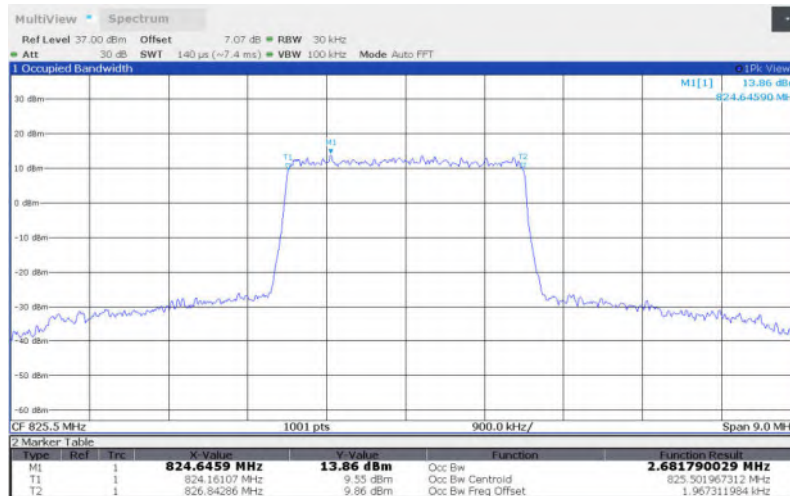




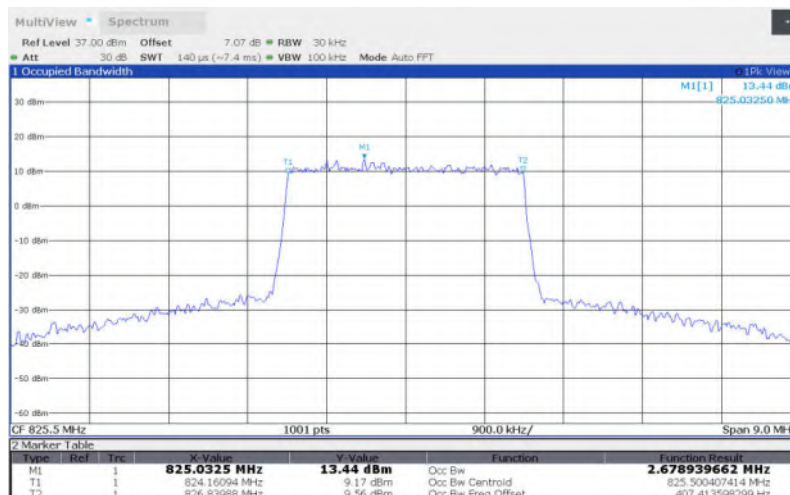
LTE Band 5,3MHz(99% BW)

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)		
	QPSK	16QAM	64QAM
825.5	2.682	2.679	2.678
836.5	2.679	2.677	2.682
847.5	2.679	2.676	2.682

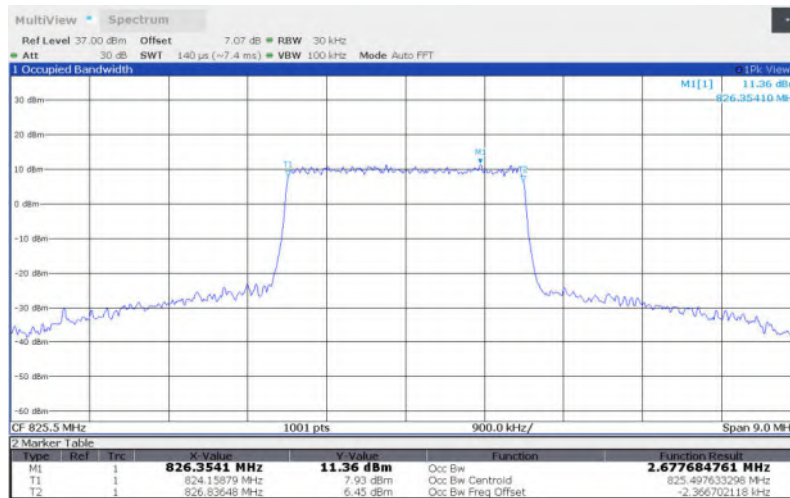
LTE Band 5 , 3MHz Bandwidth,LOW,QPSK (99% BW)



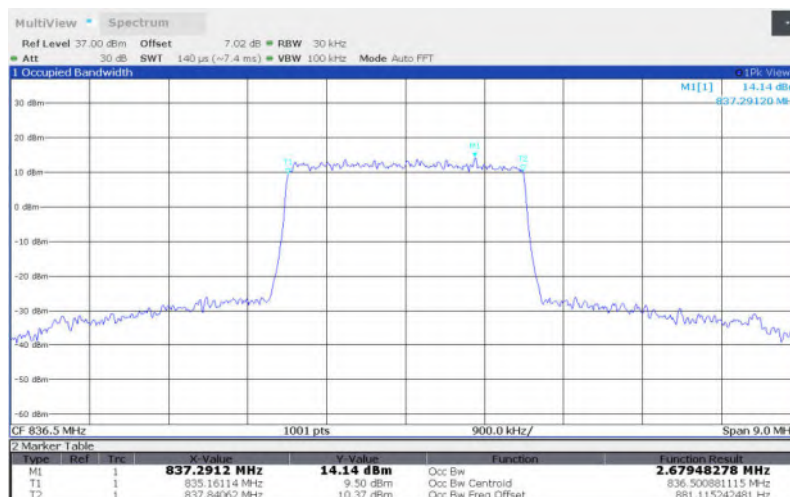
LTE Band 5 , 3MHz Bandwidth,LOW,16QAM (99% BW)



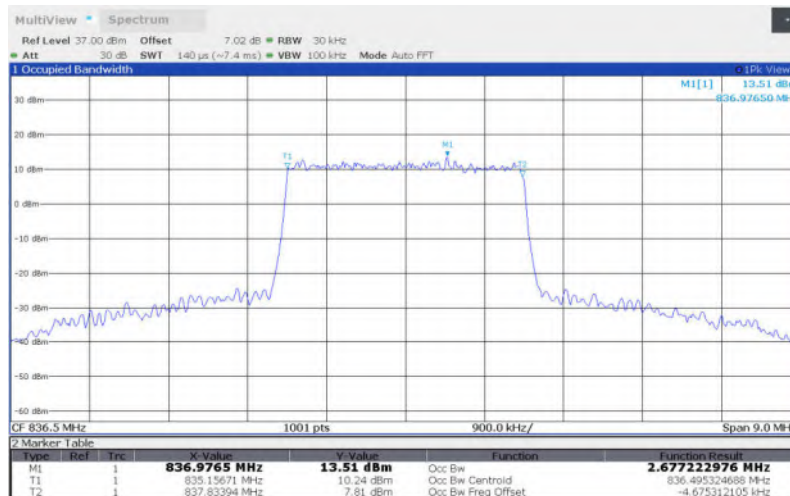
LTE Band 5 , 3MHz Bandwidth,LOW,64QAM (99% BW)



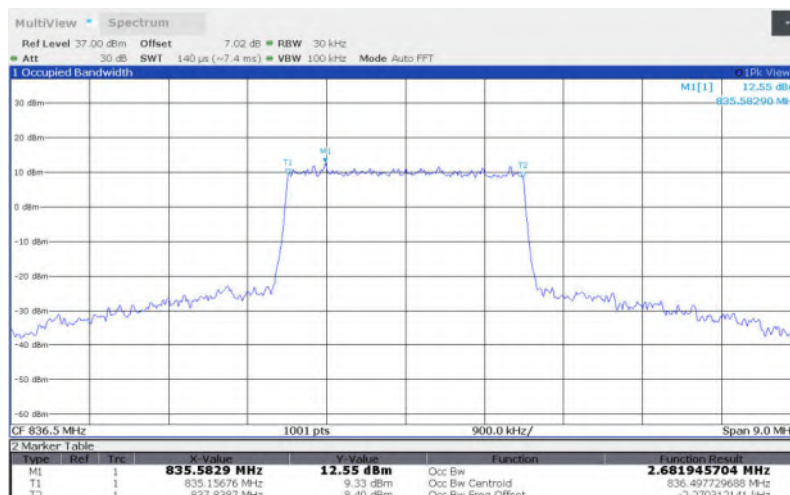
LTE Band 5 , 3MHz Bandwidth,MID,QPSK (99% BW)



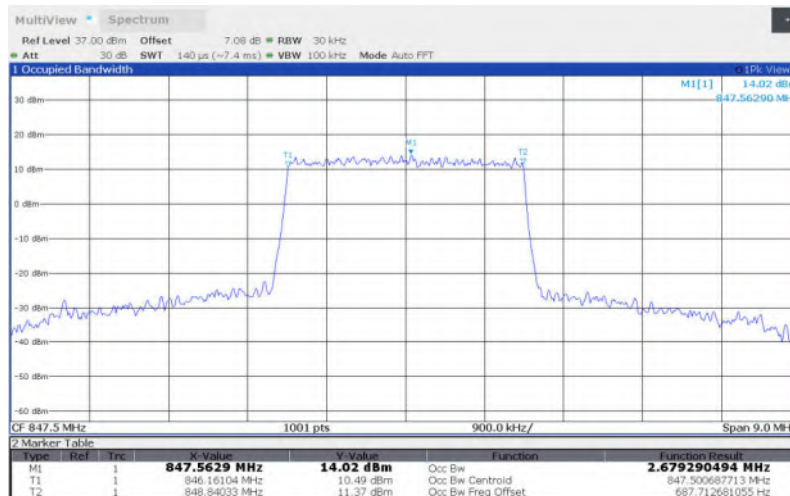
LTE Band 5 , 3MHz Bandwidth,MID,16QAM (99% BW)



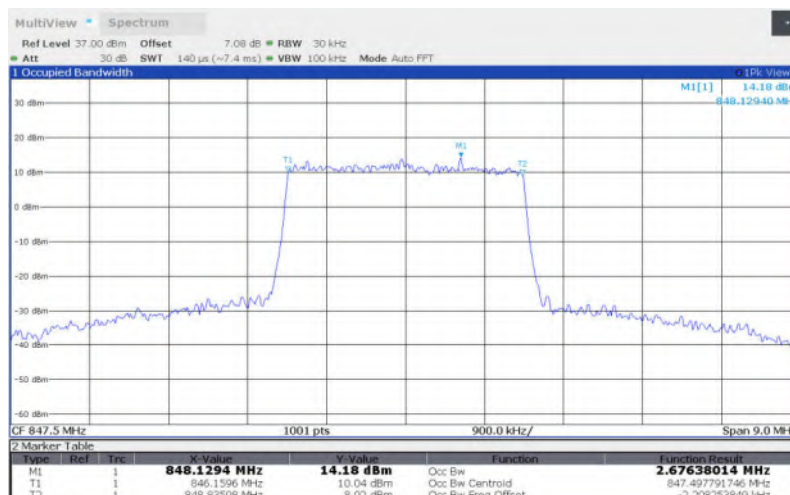
LTE Band 5 , 3MHz Bandwidth,MID,64QAM (99% BW)



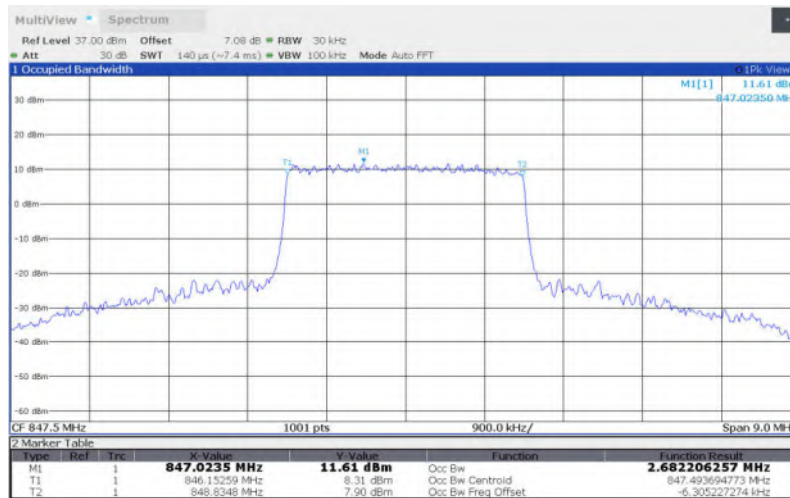
LTE Band 5 , 3MHz Bandwidth,HIGH,QPSK (99% BW)



LTE Band 5 , 3MHz Bandwidth,HIGH,16QAM (99% BW)

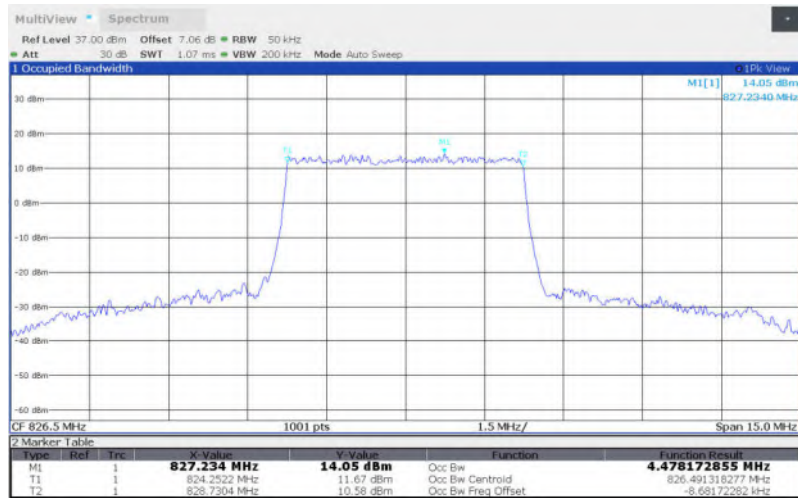
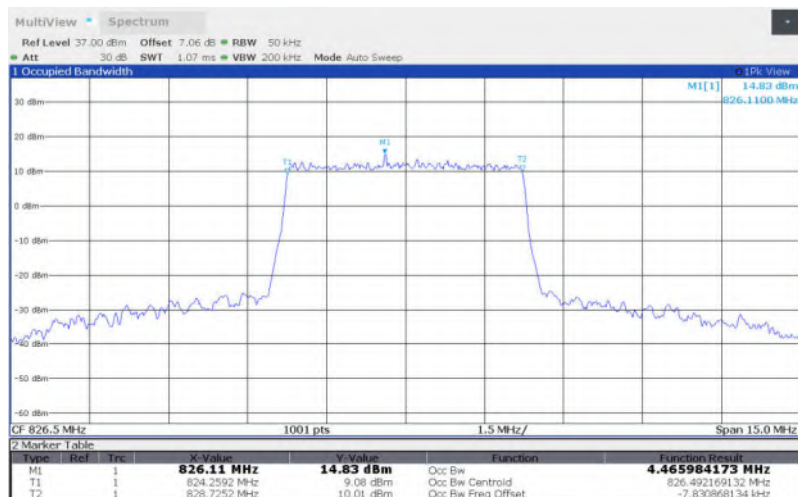


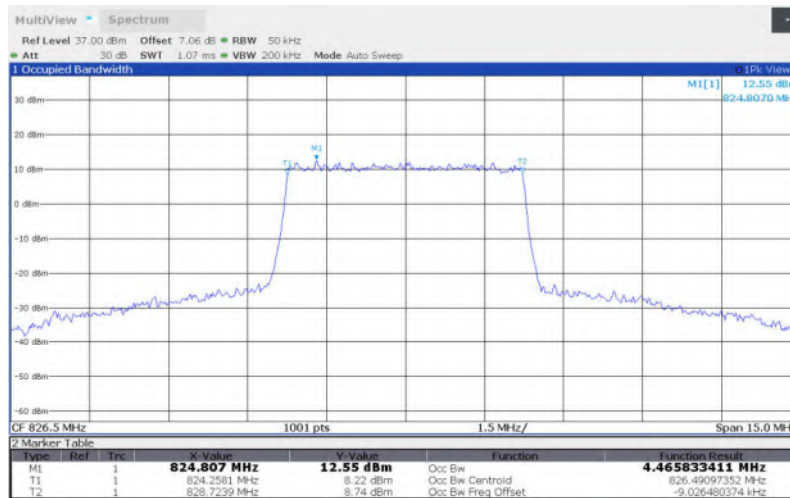
LTE Band 5 , 3MHz Bandwidth,HIGH,64QAM (99% BW)



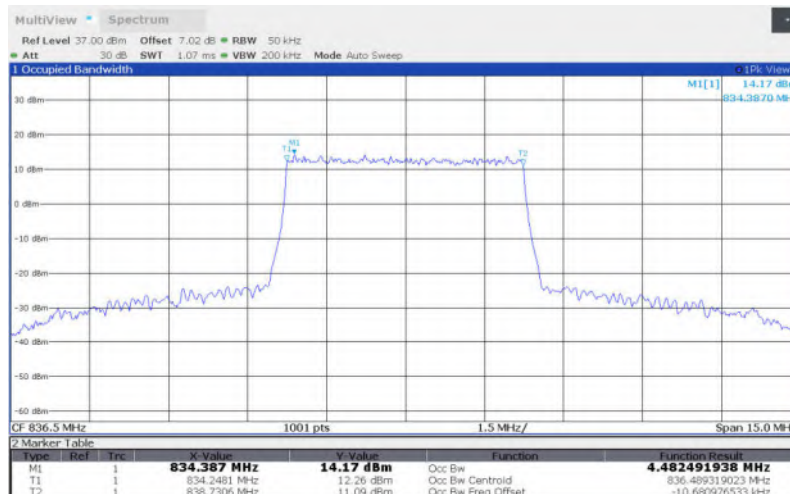
**LTE Band 5,5MHz(99% BW)**

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)		
	QPSK	16QAM	64QAM
826.5	4.478	4.466	4.466
836.5	4.482	4.476	4.472
846.5	4.463	4.468	4.464

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



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



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