TEST REPORT

No.I23N00836-RF LTE

for

Shanghai Sunmi Technology Co.,Ltd.

Smart POS Terminal

Model Name: T6721

FCC ID: 2AH25P3MIX

with

Hardware Version: Bgf6d

Software Version: SP6611A_V003_20230409_sunmi_CS

Issued Date: 2023-07-20

Note:

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

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REPORT HISTORY

Report Number	Revision	Description	Issue Date
I23N00836-RF LTE	Rev.0	1st edition	2023-07-20

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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 15
8. TEST EQUIPMENTS UTILIZED 16
ANNEX A: MEASUREMENT RESULTS 17
A.1 OUTPUT POWER 17
A.2 FIELD STRENGTH OF SPURIOUS RADIATION 99
A.3 FREQUENCY STABILITY 143
A.4 OCCUPIED BANDWIDTH 152
A.5 EMISSION BANDWIDTH 218
A.6 BAND EDGE COMPLIANCE 284
A.7 CONDUCTED SPURIOUS EMISSION 350
A.8 PEAK-TO-AVERAGE POWER RATIO 363
ANNEX B CCREDITATION CERTIFICATE 380
ANNEX C CERTIFICATE OF BRAND AUTHORIZATION 381

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1. SUMMARY OF TEST REPORT

1.1. Test Items

Description	Smart POS Terminal
Model Name	T6721
Brand Name	SUNMI
Applicant's name	Shanghai Sunmi Technology Co.,Ltd.
Manufacturer's Name	Shanghai Sunmi Technology Co.,Ltd.

1.2. Test Standards

FCC Part 2/22/24/27/90	10-1-21 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: 2023-05-30 Testing End Date: 2023-07-05

1.6. Signature

Wang Ping
(Prepared this test report)

Huang Qiuqin
(Reviewed this test report)

Zhang Hao
(Approved this test report)

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2. CLIENT INFORMATION

2.1. Applicant Information

Company Name: Shanghai Sunmi Technology Co.,Ltd.
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Contact： Fang Lu
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Telephone: +86 18501703215
Fax: /

2.2. Manufacturer Information

Company Name: Shanghai Sunmi Technology Co.,Ltd.
Address /Post: Room 505,No.388,Song Hu Road,Yang Pu District,Shanghai,China
Contact： Fang Lu
Email： fang.lu@sunmi.com
Telephone: +86 18501703215
Fax: /

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3. EQUIPMENT UNDER TEST (EUT) AND ANCILLARY EQUIPMENT (AE)

3.1. About EUT

Description	Smart POS Terminal
Model Name	T6721
FCC ID	2AH25P3MIX
Frequency Bands	LTE Bands 2/4/5/7/12/13/14/17/25/26/30/38/41/66/71
Antenna	Integrated
Extreme vol. Limits	6.8V to 8.0V (nominal: 7.2V)
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
UT03aa	868189060008705	Bgf6d	SP6611A_V003_20230409_sunmi_CS	2023-05-17
UT06aa	868189060008622	Bgf6d	SP6611A_V003_20230409_sunmi_CS	2023-06-01

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

UT03aa is used for conduction test, UT06aa is used for radiation test.

3.3. Internal Identification of AE

AE ID*	Description	SN
AE1	dummy battery	---
AE2	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 Smart POS Terminal 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.

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4. REFERENCE DOCUMENTS

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

Reference	Title	Version
FCC Part 22	PUBLIC MOBILE SERVICES	10-1-21 Edition
FCC Part 24	PERSONAL COMMUNICATIONS SERVICES	10-1-21 Edition
FCC Part 2	FREQUENCY ALLOCATIONS AND RADIO TREATY MATTERS; GENERAL RULES AND REGULATIONS	10-1-21 Edition
FCC Part 27	MISCELLANEOUS WIRELESS COMMUNICATIONS SERVICES	10-1-21 Edition
FCC Part 90	PRIVATE LAND MOBILE RADIO SERVICES	10-1-21 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

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5. LABORATORY ENVIRONMENT

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

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

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

Temperature	Min. = 15 ℃, Max. = 35 ℃
Relative humidity	Min. = 20 %, Max. = 75 %
Shielding effectiveness	0.014MHz-1MHz> 60 dB; 1MHz-18000MHz>90 dB
Electrical insulation	> 2MΩ
Ground system resistance	< 4 Ω
Voltage Standing Wave Ratio （VSWR）	≤ 6 dB, from 1 to 18 GHz，3 m distance
Uniformity of field strength	Between 0 and 6 dB, from 80 to 6000 MHz

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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

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LTE band 5

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

LTE Band 7

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

LTE Band 12

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

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LTE Band 13

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

LTE Band 14

Items	Test Name	Clause in FCC rules	Section in this report	Verdict
1	Output Power	2.1046/90.542	A.1	P
2	Field Strength of Spurious Radiation	2.1053/90.543	A.2	P
3	Frequency Stability	2.1055/90.539	A.3	P
4	Occupied Bandwidth	2.1049/90.543	A.4	P
5	Emission Bandwidth	2.1049/90.543	A.5	P
6	Band Edge Compliance	2.1051/90.543	A.6	P
7	Conducted Spurious Emission	2.1051/90.543	A.7	P
8	Peak-to-Average Power Ratio	KDB971168 D01	A.8	P

LTE Band 17

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

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LTE Band 25

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

LTE Band 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

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LTE Band 30

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

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LTE Band 66

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

LTE Band 71

Items	Test Name	Clause in FCC rules	Section in this report	Verdict
1	Output Power	2.1046/27.50(c)	A.1	P
2	Field Strength of Spurious Radiation	2.1053/27.53(g)	A.2	P
3	Frequency Stability	2.1055/27.54	A.3	P
4	Occupied Bandwidth	2.1049/27.53(g)	A.4	P
5	Emission Bandwidth	2.1049/27.53(g)	A.5	P
6	Band Edge Compliance	2.1051/27.53(g)	A.6	P
7	Conducted Spurious Emission	2.1051/27.53(g)	A.7	P
8	Peak-to-Average Power Ratio	27.50(a)/ KDB971108 D01	A.8	P

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7. STATEMENT

The Smart POS Terminal,T6721, manufactured by Shanghai Sunmi Technology Co.,Ltd. is a new product for testing. According to the declaration, there are three configurations，the detail differences description as below, others are the same.we performed testing on configuration 3 only.

Product Name	Model	Configuration		Type	Printer
Smart POS Terminal	T6721	1	P58	financial	58mm tip
		2	P58	financial	58mm fine workmanship
		3	P80	financial	80mm tip

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.

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8. TEST EQUIPMENTS UTILIZED

No.	Description	Type	Manufacture	Series Number	Cal Due Date
1	Test Receiver	ESR7	R&S	101676	2023-11-23
2	BiLog Antenna	3142E	ETS-Lindgren	0224831	2024-05-27
3	Horn Antenna	3117	ETS-Lindgren	00066585	2025-03-15
4	Horn Antenna	QSH-SL-18-26-S-20	Q-par	17013	2026-02-01
5	Antenna	BBHA 9120D	Schwarzbeck	1593	2025-10-24
6	Antenna	VUBA 9117	Schwarzbeck	207	2023-07-15
7	Antenna	QWH-SL-18-40-K-SG	Q-par	15979	2026-01-30
8	preamplifier	83017A	Agilent	MY39501110	/
9	Signal Generator	SMB100A	R&S	179725	2023-11-23
10	Fully Anechoic Chamber	FACT3-2.0	ETS-Lindgren	1285	2024-05-29
11	Spectrum Analyzer	FSV40	R&S	101192	2024-01-11
12	Universal Radio Communication Tester	CMU200	R&S	114545	2024-01-11
13	Universal Radio Communication Tester	CMW500	R&S	152499	2023-07-14
14	Universal Radio Communication Tester	CMW500	R&S	129146	2024-04-24
15	Spectrum Analyzer	FSW26	R&S	102197	2023-11-24
16	Temperature Chamber	SH-241	ESPEC	92007516	2023-10-15
17	DC Power Supply	U3606A	Agilent Technologies	MY50450012	2023-11-13

Test software

Item	Name	Version
Radiated	EMC32	V10.50.40

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ANNEX A: MEASUREMENT RESULTS

A.1 OUTPUT POWER

A.1.1 Summary

During the process of testing, the EUT was controlled via Communication tester to ensure max power transmission and proper modulation.

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 band.

A.1.2.2 Measurement result

LTE band 2

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Power(dBm)
1.4MHz	1 RB low	1850.7	QPSK	23.26
1.4MHz	50% RB mid	1850.7	QPSK	23.22
1.4MHz	1 RB high	1850.7	QPSK	23.25
1.4MHz	100% RB	1850.7	QPSK	22.15
1.4MHz	1 RB low	1850.7	16QAM	22.66
1.4MHz	50% RB mid	1850.7	16QAM	22.52
1.4MHz	1 RB high	1850.7	16QAM	22.43
1.4MHz	100% RB	1850.7	16QAM	21.44
1.4MHz	1 RB low	1880	QPSK	23.48
1.4MHz	50% RB mid	1880	QPSK	23.49
1.4MHz	1 RB high	1880	QPSK	23.52
1.4MHz	100% RB	1880	QPSK	22.54
1.4MHz	1 RB low	1880	16QAM	22.90
1.4MHz	50% RB mid	1880	16QAM	22.88
1.4MHz	1 RB high	1880	16QAM	22.86
1.4MHz	100% RB	1880	16QAM	21.93
1.4MHz	1 RB low	1909.3	QPSK	23.13
1.4MHz	50% RB mid	1909.3	QPSK	23.14
1.4MHz	1 RB high	1909.3	QPSK	23.03
1.4MHz	100% RB	1909.3	QPSK	22.65
1.4MHz	1 RB low	1909.3	16QAM	22.14
1.4MHz	50% RB mid	1909.3	16QAM	22.12
1.4MHz	1 RB high	1909.3	16QAM	22.16
1.4MHz	100% RB	1909.3	16QAM	21.45
3MHz	1 RB low	1851.5	QPSK	23.19
3MHz	50% RB mid	1851.5	QPSK	22.24
3MHz	1 RB high	1851.5	QPSK	23.33

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Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Power(dBm)
3MHz	100% RB	1851.5	QPSK	22.38
3MHz	1 RB low	1851.5	16QAM	22.24
3MHz	50% RB mid	1851.5	16QAM	21.37
3MHz	1 RB high	1851.5	16QAM	22.20
3MHz	100% RB	1851.5	16QAM	21.27
3MHz	1 RB low	1880	QPSK	23.45
3MHz	50% RB mid	1880	QPSK	22.64
3MHz	1 RB high	1880	QPSK	23.42
3MHz	100% RB	1880	QPSK	22.63
3MHz	1 RB low	1880	16QAM	22.50
3MHz	50% RB mid	1880	16QAM	21.54
3MHz	1 RB high	1880	16QAM	22.48
3MHz	100% RB	1880	16QAM	21.35
3MHz	1 RB low	1908.5	QPSK	22.95
3MHz	50% RB mid	1908.5	QPSK	22.58
3MHz	1 RB high	1908.5	QPSK	22.86
3MHz	100% RB	1908.5	QPSK	22.58
3MHz	1 RB low	1908.5	16QAM	21.74
3MHz	50% RB mid	1908.5	16QAM	21.62
3MHz	1 RB high	1908.5	16QAM	21.78
3MHz	100% RB	1908.5	16QAM	21.93
5MHz	1 RB low	1852.5	QPSK	23.22
5MHz	50% RB mid	1852.5	QPSK	22.25
5MHz	1 RB high	1852.5	QPSK	23.06
5MHz	100% RB	1852.5	QPSK	22.29
5MHz	1 RB low	1852.5	16QAM	22.31
5MHz	50% RB mid	1852.5	16QAM	21.32
5MHz	1 RB high	1852.5	16QAM	22.39
5MHz	100% RB	1852.5	16QAM	21.22
5MHz	1 RB low	1880	QPSK	23.30
5MHz	50% RB mid	1880	QPSK	22.57
5MHz	1 RB high	1880	QPSK	23.05
5MHz	100% RB	1880	QPSK	22.51
5MHz	1 RB low	1880	16QAM	21.95
5MHz	50% RB mid	1880	16QAM	21.71
5MHz	1 RB high	1880	16QAM	21.78
5MHz	100% RB	1880	16QAM	21.42
5MHz	1 RB low	1907.5	QPSK	22.68
5MHz	50% RB mid	1907.5	QPSK	22.64
5MHz	1 RB high	1907.5	QPSK	22.59
5MHz	100% RB	1907.5	QPSK	22.56

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Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Power(dBm)
5MHz	1 RB low	1907.5	16QAM	21.57
5MHz	50% RB mid	1907.5	16QAM	21.51
5MHz	1 RB high	1907.5	16QAM	21.61
5MHz	100% RB	1907.5	16QAM	21.79
10MHz	1 RB low	1855	QPSK	23.13
10MHz	50% RB mid	1855	QPSK	22.44
10MHz	1 RB high	1855	QPSK	23.19
10MHz	100% RB	1855	QPSK	22.52
10MHz	1 RB low	1855	16QAM	22.10
10MHz	50% RB mid	1855	16QAM	21.50
10MHz	1 RB high	1855	16QAM	22.31
10MHz	100% RB	1855	16QAM	21.50
10MHz	1 RB low	1880	QPSK	23.12
10MHz	50% RB mid	1880	QPSK	22.57
10MHz	1 RB high	1880	QPSK	23.13
10MHz	100% RB	1880	QPSK	22.45
10MHz	1 RB low	1880	16QAM	22.30
10MHz	50% RB mid	1880	16QAM	21.57
10MHz	1 RB high	1880	16QAM	22.32
10MHz	100% RB	1880	16QAM	21.27
10MHz	1 RB low	1905	QPSK	22.77
10MHz	50% RB mid	1905	QPSK	22.62
10MHz	1 RB high	1905	QPSK	22.28
10MHz	100% RB	1905	QPSK	22.62
10MHz	1 RB low	1905	16QAM	21.61
10MHz	50% RB mid	1905	16QAM	21.69
10MHz	1 RB high	1905	16QAM	21.19
10MHz	100% RB	1905	16QAM	21.54
15MHz	1 RB low	1857.5	QPSK	22.75
15MHz	50% RB mid	1857.5	QPSK	22.55
15MHz	1 RB high	1857.5	QPSK	23.00
15MHz	100% RB	1857.5	QPSK	22.42
15MHz	1 RB low	1857.5	16QAM	21.71
15MHz	50% RB mid	1857.5	16QAM	21.43
15MHz	1 RB high	1857.5	16QAM	22.07
15MHz	100% RB	1857.5	16QAM	21.42
15MHz	1 RB low	1880	QPSK	22.83
15MHz	50% RB mid	1880	QPSK	22.52
15MHz	1 RB high	1880	QPSK	22.84
15MHz	100% RB	1880	QPSK	22.58
15MHz	1 RB low	1880	16QAM	21.97

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Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Power(dBm)
15MHz	50% RB mid	1880	16QAM	21.40
15MHz	1 RB high	1880	16QAM	21.92
15MHz	100% RB	1880	16QAM	21.36
15MHz	1 RB low	1902.5	QPSK	22.91
15MHz	50% RB mid	1902.5	QPSK	22.69
15MHz	1 RB high	1902.5	QPSK	21.98
15MHz	100% RB	1902.5	QPSK	22.68
15MHz	1 RB low	1902.5	16QAM	21.78
15MHz	50% RB mid	1902.5	16QAM	21.65
15MHz	1 RB high	1902.5	16QAM	20.86
15MHz	100% RB	1902.5	16QAM	21.71
20MHz	1 RB low	1860	QPSK	22.63
20MHz	50% RB mid	1860	QPSK	22.51
20MHz	1 RB high	1860	QPSK	23.08
20MHz	100% RB	1860	QPSK	22.45
20MHz	1 RB low	1860	16QAM	21.65
20MHz	50% RB mid	1860	16QAM	21.56
20MHz	1 RB high	1860	16QAM	22.23
20MHz	100% RB	1860	16QAM	21.35
20MHz	1 RB low	1880	QPSK	22.75
20MHz	50% RB mid	1880	QPSK	22.46
20MHz	1 RB high	1880	QPSK	23.16
20MHz	100% RB	1880	QPSK	22.57
20MHz	1 RB low	1880	16QAM	21.72
20MHz	50% RB mid	1880	16QAM	21.31
20MHz	1 RB high	1880	16QAM	22.17
20MHz	100% RB	1880	16QAM	21.53
20MHz	1 RB low	1900	QPSK	22.76
20MHz	50% RB mid	1900	QPSK	22.62
20MHz	1 RB high	1900	QPSK	21.98
20MHz	100% RB	1900	QPSK	22.64
20MHz	1 RB low	1900	16QAM	21.82
20MHz	50% RB mid	1900	16QAM	21.73
20MHz	1 RB high	1900	16QAM	21.08
20MHz	100% RB	1900	16QAM	21.60

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

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LTE band 4

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Power(dBm)
1.4MHz	1 RB low	1710.7	QPSK	23.41
1.4MHz	50% RB mid	1710.7	QPSK	23.49
1.4MHz	1 RB high	1710.7	QPSK	23.41
1.4MHz	100% RB	1710.7	QPSK	22.53
1.4MHz	1 RB low	1710.7	16QAM	23.07
1.4MHz	50% RB mid	1710.7	16QAM	22.40
1.4MHz	1 RB high	1710.7	16QAM	23.00
1.4MHz	100% RB	1710.7	16QAM	21.83
1.4MHz	1 RB low	1732.5	QPSK	23.92
1.4MHz	50% RB mid	1732.5	QPSK	23.80
1.4MHz	1 RB high	1732.5	QPSK	23.81
1.4MHz	100% RB	1732.5	QPSK	22.83
1.4MHz	1 RB low	1732.5	16QAM	23.09
1.4MHz	50% RB mid	1732.5	16QAM	22.89
1.4MHz	1 RB high	1732.5	16QAM	22.89
1.4MHz	100% RB	1732.5	16QAM	21.76
1.4MHz	1 RB low	1754.3	QPSK	23.91
1.4MHz	50% RB mid	1754.3	QPSK	23.79
1.4MHz	1 RB high	1754.3	QPSK	23.76
1.4MHz	100% RB	1754.3	QPSK	22.68
1.4MHz	1 RB low	1754.3	16QAM	23.03
1.4MHz	50% RB mid	1754.3	16QAM	23.10
1.4MHz	1 RB high	1754.3	16QAM	22.83
1.4MHz	100% RB	1754.3	16QAM	21.88
3MHz	1 RB low	1711.5	QPSK	23.45
3MHz	50% RB mid	1711.5	QPSK	22.43
3MHz	1 RB high	1711.5	QPSK	23.54
3MHz	100% RB	1711.5	QPSK	22.58
3MHz	1 RB low	1711.5	16QAM	22.48
3MHz	50% RB mid	1711.5	16QAM	21.17
3MHz	1 RB high	1711.5	16QAM	22.49
3MHz	100% RB	1711.5	16QAM	21.39
3MHz	1 RB low	1732.5	QPSK	23.72
3MHz	50% RB mid	1732.5	QPSK	22.82
3MHz	1 RB high	1732.5	QPSK	23.75
3MHz	100% RB	1732.5	QPSK	22.91
3MHz	1 RB low	1732.5	16QAM	22.81
3MHz	50% RB mid	1732.5	16QAM	21.86
3MHz	1 RB high	1732.5	16QAM	22.87
3MHz	100% RB	1732.5	16QAM	21.68

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Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Power(dBm)
3MHz	1 RB low	1753.5	QPSK	23.58
3MHz	50% RB mid	1753.5	QPSK	22.78
3MHz	1 RB high	1753.5	QPSK	23.46
3MHz	100% RB	1753.5	QPSK	22.80
3MHz	1 RB low	1753.5	16QAM	23.18
3MHz	50% RB mid	1753.5	16QAM	21.75
3MHz	1 RB high	1753.5	16QAM	22.81
3MHz	100% RB	1753.5	16QAM	22.03
5MHz	1 RB low	1712.5	QPSK	23.31
5MHz	50% RB mid	1712.5	QPSK	22.55
5MHz	1 RB high	1712.5	QPSK	23.59
5MHz	100% RB	1712.5	QPSK	22.60
5MHz	1 RB low	1712.5	16QAM	22.70
5MHz	50% RB mid	1712.5	16QAM	21.66
5MHz	1 RB high	1712.5	16QAM	22.58
5MHz	100% RB	1712.5	16QAM	21.61
5MHz	1 RB low	1732.5	QPSK	23.80
5MHz	50% RB mid	1732.5	QPSK	22.91
5MHz	1 RB high	1732.5	QPSK	23.65
5MHz	100% RB	1732.5	QPSK	22.84
5MHz	1 RB low	1732.5	16QAM	22.63
5MHz	50% RB mid	1732.5	16QAM	21.94
5MHz	1 RB high	1732.5	16QAM	22.63
5MHz	100% RB	1732.5	16QAM	21.86
5MHz	1 RB low	1752.5	QPSK	23.68
5MHz	50% RB mid	1752.5	QPSK	23.00
5MHz	1 RB high	1752.5	QPSK	23.57
5MHz	100% RB	1752.5	QPSK	22.93
5MHz	1 RB low	1752.5	16QAM	22.87
5MHz	50% RB mid	1752.5	16QAM	21.84
5MHz	1 RB high	1752.5	16QAM	22.95
5MHz	100% RB	1752.5	16QAM	21.90
10MHz	1 RB low	1715	QPSK	23.50
10MHz	50% RB mid	1715	QPSK	22.73
10MHz	1 RB high	1715	QPSK	23.58
10MHz	100% RB	1715	QPSK	22.60
10MHz	1 RB low	1715	16QAM	22.58
10MHz	50% RB mid	1715	16QAM	21.69
10MHz	1 RB high	1715	16QAM	22.48
10MHz	100% RB	1715	16QAM	21.61
10MHz	1 RB low	1732.5	QPSK	23.71

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Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Power(dBm)
10MHz	50% RB mid	1732.5	QPSK	22.87
10MHz	1 RB high	1732.5	QPSK	23.77
10MHz	100% RB	1732.5	QPSK	22.84
10MHz	1 RB low	1732.5	16QAM	22.90
10MHz	50% RB mid	1732.5	16QAM	21.66
10MHz	1 RB high	1732.5	16QAM	22.81
10MHz	100% RB	1732.5	16QAM	21.88
10MHz	1 RB low	1750	QPSK	23.84
10MHz	50% RB mid	1750	QPSK	23.03
10MHz	1 RB high	1750	QPSK	23.76
10MHz	100% RB	1750	QPSK	22.89
10MHz	1 RB low	1750	16QAM	23.27
10MHz	50% RB mid	1750	16QAM	21.83
10MHz	1 RB high	1750	16QAM	23.07
10MHz	100% RB	1750	16QAM	21.72
15MHz	1 RB low	1717.5	QPSK	23.35
15MHz	50% RB mid	1717.5	QPSK	22.70
15MHz	1 RB high	1717.5	QPSK	23.75
15MHz	100% RB	1717.5	QPSK	22.75
15MHz	1 RB low	1717.5	16QAM	22.45
15MHz	50% RB mid	1717.5	16QAM	21.82
15MHz	1 RB high	1717.5	16QAM	22.51
15MHz	100% RB	1717.5	16QAM	21.70
15MHz	1 RB low	1732.5	QPSK	23.66
15MHz	50% RB mid	1732.5	QPSK	22.84
15MHz	1 RB high	1732.5	QPSK	23.63
15MHz	100% RB	1732.5	QPSK	22.87
15MHz	1 RB low	1732.5	16QAM	22.82
15MHz	50% RB mid	1732.5	16QAM	21.66
15MHz	1 RB high	1732.5	16QAM	22.89
15MHz	100% RB	1732.5	16QAM	21.81
15MHz	1 RB low	1747.5	QPSK	23.74
15MHz	50% RB mid	1747.5	QPSK	22.85
15MHz	1 RB high	1747.5	QPSK	23.67
15MHz	100% RB	1747.5	QPSK	22.89
15MHz	1 RB low	1747.5	16QAM	23.02
15MHz	50% RB mid	1747.5	16QAM	21.75
15MHz	1 RB high	1747.5	16QAM	22.81
15MHz	100% RB	1747.5	16QAM	21.81
20MHz	1 RB low	1720	QPSK	23.37
20MHz	50% RB mid	1720	QPSK	22.81

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Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Power(dBm)
20MHz	1 RB high	1720	QPSK	23.76
20MHz	100% RB	1720	QPSK	22.82
20MHz	1 RB low	1720	16QAM	21.97
20MHz	50% RB mid	1720	16QAM	21.75
20MHz	1 RB high	1720	16QAM	22.50
20MHz	100% RB	1720	16QAM	21.86
20MHz	1 RB low	1732.5	QPSK	23.48
20MHz	50% RB mid	1732.5	QPSK	22.87
20MHz	1 RB high	1732.5	QPSK	23.75
20MHz	100% RB	1732.5	QPSK	22.93
20MHz	1 RB low	1732.5	16QAM	22.25
20MHz	50% RB mid	1732.5	16QAM	21.87
20MHz	1 RB high	1732.5	16QAM	22.86
20MHz	100% RB	1732.5	16QAM	21.79
20MHz	1 RB low	1745	QPSK	23.92
20MHz	50% RB mid	1745	QPSK	22.80
20MHz	1 RB high	1745	QPSK	23.76
20MHz	100% RB	1745	QPSK	22.87
20MHz	1 RB low	1745	16QAM	23.06
20MHz	50% RB mid	1745	16QAM	21.69
20MHz	1 RB high	1745	16QAM	23.18
20MHz	100% RB	1745	16QAM	21.80

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

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LTE band 5

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Power(dBm)
1.4MHz	1 RB low	824.7	QPSK	22.74
1.4MHz	50% RB mid	824.7	QPSK	22.89
1.4MHz	1 RB high	824.7	QPSK	23.00
1.4MHz	100% RB	824.7	QPSK	21.93
1.4MHz	1 RB low	824.7	16QAM	21.62
1.4MHz	50% RB mid	824.7	16QAM	22.49
1.4MHz	1 RB high	824.7	16QAM	21.96
1.4MHz	100% RB	824.7	16QAM	20.92
1.4MHz	1 RB low	836.5	QPSK	23.29
1.4MHz	50% RB mid	836.5	QPSK	23.27
1.4MHz	1 RB high	836.5	QPSK	23.51
1.4MHz	100% RB	836.5	QPSK	22.16
1.4MHz	1 RB low	836.5	16QAM	22.21
1.4MHz	50% RB mid	836.5	16QAM	22.56
1.4MHz	1 RB high	836.5	16QAM	22.23
1.4MHz	100% RB	836.5	16QAM	21.00
1.4MHz	1 RB low	848.3	QPSK	23.19
1.4MHz	50% RB mid	848.3	QPSK	23.12
1.4MHz	1 RB high	848.3	QPSK	22.96
1.4MHz	100% RB	848.3	QPSK	22.07
1.4MHz	1 RB low	848.3	16QAM	22.39
1.4MHz	50% RB mid	848.3	16QAM	22.08
1.4MHz	1 RB high	848.3	16QAM	21.95
1.4MHz	100% RB	848.3	16QAM	20.94
3MHz	1 RB low	825.5	QPSK	22.83
3MHz	50% RB mid	825.5	QPSK	22.05
3MHz	1 RB high	825.5	QPSK	22.98
3MHz	100% RB	825.5	QPSK	22.11
3MHz	1 RB low	825.5	16QAM	21.73
3MHz	50% RB mid	825.5	16QAM	20.66
3MHz	1 RB high	825.5	16QAM	21.75
3MHz	100% RB	825.5	16QAM	20.89
3MHz	1 RB low	836.5	QPSK	22.68
3MHz	50% RB mid	836.5	QPSK	22.27
3MHz	1 RB high	836.5	QPSK	23.07
3MHz	100% RB	836.5	QPSK	22.05
3MHz	1 RB low	836.5	16QAM	21.94
3MHz	50% RB mid	836.5	16QAM	21.16
3MHz	1 RB high	836.5	16QAM	21.96
3MHz	100% RB	836.5	16QAM	20.82

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Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Power(dBm)
3MHz	1 RB low	847.5	QPSK	22.95
3MHz	50% RB mid	847.5	QPSK	22.16
3MHz	1 RB high	847.5	QPSK	23.18
3MHz	100% RB	847.5	QPSK	22.08
3MHz	1 RB low	847.5	16QAM	22.47
3MHz	50% RB mid	847.5	16QAM	20.92
3MHz	1 RB high	847.5	16QAM	22.47
3MHz	100% RB	847.5	16QAM	20.91
5MHz	1 RB low	826.5	QPSK	22.80
5MHz	50% RB mid	826.5	QPSK	22.05
5MHz	1 RB high	826.5	QPSK	22.93
5MHz	100% RB	826.5	QPSK	22.05
5MHz	1 RB low	826.5	16QAM	22.49
5MHz	50% RB mid	826.5	16QAM	21.09
5MHz	1 RB high	826.5	16QAM	21.77
5MHz	100% RB	826.5	16QAM	20.78
5MHz	1 RB low	836.5	QPSK	22.81
5MHz	50% RB mid	836.5	QPSK	22.22
5MHz	1 RB high	836.5	QPSK	22.85
5MHz	100% RB	836.5	QPSK	22.05
5MHz	1 RB low	836.5	16QAM	21.85
5MHz	50% RB mid	836.5	16QAM	20.99
5MHz	1 RB high	836.5	16QAM	21.74
5MHz	100% RB	836.5	16QAM	20.89
5MHz	1 RB low	846.5	QPSK	22.78
5MHz	50% RB mid	846.5	QPSK	22.14
5MHz	1 RB high	846.5	QPSK	22.84
5MHz	100% RB	846.5	QPSK	22.15
5MHz	1 RB low	846.5	16QAM	21.89
5MHz	50% RB mid	846.5	16QAM	20.74
5MHz	1 RB high	846.5	16QAM	22.58
5MHz	100% RB	846.5	16QAM	21.05
10MHz	1 RB low	829	QPSK	22.88
10MHz	50% RB mid	829	QPSK	21.98
10MHz	1 RB high	829	QPSK	22.96
10MHz	100% RB	829	QPSK	22.07
10MHz	1 RB low	829	16QAM	22.04
10MHz	50% RB mid	829	16QAM	21.14
10MHz	1 RB high	829	16QAM	21.85
10MHz	100% RB	829	16QAM	21.02
10MHz	1 RB low	836.5	QPSK	22.67

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Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Power(dBm)
10MHz	50% RB mid	836.5	QPSK	22.12
10MHz	1 RB high	836.5	QPSK	23.22
10MHz	100% RB	836.5	QPSK	22.10
10MHz	1 RB low	836.5	16QAM	21.84
10MHz	50% RB mid	836.5	16QAM	21.10
10MHz	1 RB high	836.5	16QAM	22.06
10MHz	100% RB	836.5	16QAM	21.10
10MHz	1 RB low	844	QPSK	22.85
10MHz	50% RB mid	844	QPSK	22.14
10MHz	1 RB high	844	QPSK	22.87
10MHz	100% RB	844	QPSK	22.03
10MHz	1 RB low	844	16QAM	22.45
10MHz	50% RB mid	844	16QAM	20.93
10MHz	1 RB high	844	16QAM	22.54
10MHz	100% RB	844	16QAM	20.84

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

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LTE band 7

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Power(dBm)
5MHz	1 RB low	2502.5	QPSK	23.80
5MHz	50% RB mid	2502.5	QPSK	22.97
5MHz	1 RB high	2502.5	QPSK	23.93
5MHz	100% RB	2502.5	QPSK	23.08
5MHz	1 RB low	2502.5	16QAM	22.77
5MHz	50% RB mid	2502.5	16QAM	22.10
5MHz	1 RB high	2502.5	16QAM	23.11
5MHz	100% RB	2502.5	16QAM	22.31
5MHz	1 RB low	2535	QPSK	24.13
5MHz	50% RB mid	2535	QPSK	23.76
5MHz	1 RB high	2535	QPSK	24.31
5MHz	100% RB	2535	QPSK	23.47
5MHz	1 RB low	2535	16QAM	23.82
5MHz	50% RB mid	2535	16QAM	22.57
5MHz	1 RB high	2535	16QAM	23.56
5MHz	100% RB	2535	16QAM	22.85
5MHz	1 RB low	2567.5	QPSK	23.83
5MHz	50% RB mid	2567.5	QPSK	23.38
5MHz	1 RB high	2567.5	QPSK	23.55
5MHz	100% RB	2567.5	QPSK	23.35
5MHz	1 RB low	2567.5	16QAM	23.32
5MHz	50% RB mid	2567.5	16QAM	22.32
5MHz	1 RB high	2567.5	16QAM	23.08
5MHz	100% RB	2567.5	16QAM	22.41
10MHz	1 RB low	2505	QPSK	23.70
10MHz	50% RB mid	2505	QPSK	23.07
10MHz	1 RB high	2505	QPSK	24.10
10MHz	100% RB	2505	QPSK	23.32
10MHz	1 RB low	2505	16QAM	22.89
10MHz	50% RB mid	2505	16QAM	22.37
10MHz	1 RB high	2505	16QAM	22.91
10MHz	100% RB	2505	16QAM	22.16
10MHz	1 RB low	2535	QPSK	23.53
10MHz	50% RB mid	2535	QPSK	23.77
10MHz	1 RB high	2535	QPSK	22.96
10MHz	100% RB	2535	QPSK	23.81
10MHz	1 RB low	2535	16QAM	23.70
10MHz	50% RB mid	2535	16QAM	22.78
10MHz	1 RB high	2535	16QAM	23.52
10MHz	100% RB	2535	16QAM	22.85

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Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Power(dBm)
10MHz	1 RB low	2565	QPSK	24.06
10MHz	50% RB mid	2565	QPSK	23.55
10MHz	1 RB high	2565	QPSK	23.40
10MHz	100% RB	2565	QPSK	23.83
10MHz	1 RB low	2565	16QAM	23.34
10MHz	50% RB mid	2565	16QAM	22.74
10MHz	1 RB high	2565	16QAM	22.80
10MHz	100% RB	2565	16QAM	22.49
15MHz	1 RB low	2507.5	QPSK	23.62
15MHz	50% RB mid	2507.5	QPSK	23.17
15MHz	1 RB high	2507.5	QPSK	23.97
15MHz	100% RB	2507.5	QPSK	23.28
15MHz	1 RB low	2507.5	16QAM	23.59
15MHz	50% RB mid	2507.5	16QAM	22.30
15MHz	1 RB high	2507.5	16QAM	24.00
15MHz	100% RB	2507.5	16QAM	22.28
15MHz	1 RB low	2535	QPSK	24.11
15MHz	50% RB mid	2535	QPSK	23.68
15MHz	1 RB high	2535	QPSK	24.02
15MHz	100% RB	2535	QPSK	23.79
15MHz	1 RB low	2535	16QAM	23.58
15MHz	50% RB mid	2535	16QAM	22.80
15MHz	1 RB high	2535	16QAM	23.51
15MHz	100% RB	2535	16QAM	22.85
15MHz	1 RB low	2562.5	QPSK	24.47
15MHz	50% RB mid	2562.5	QPSK	23.56
15MHz	1 RB high	2562.5	QPSK	23.38
15MHz	100% RB	2562.5	QPSK	23.61
15MHz	1 RB low	2562.5	16QAM	23.89
15MHz	50% RB mid	2562.5	16QAM	22.61
15MHz	1 RB high	2562.5	16QAM	22.91
15MHz	100% RB	2562.5	16QAM	22.59
20MHz	1 RB low	2510	QPSK	24.11
20MHz	50% RB mid	2510	QPSK	23.45
20MHz	1 RB high	2510	QPSK	24.72
20MHz	100% RB	2510	QPSK	23.41
20MHz	1 RB low	2510	16QAM	23.27
20MHz	50% RB mid	2510	16QAM	22.50
20MHz	1 RB high	2510	16QAM	24.04
20MHz	100% RB	2510	16QAM	22.74
20MHz	1 RB low	2535	QPSK	24.04

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Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Power(dBm)
20MHz	50% RB mid	2535	QPSK	23.72
20MHz	1 RB high	2535	QPSK	24.05
20MHz	100% RB	2535	QPSK	23.78
20MHz	1 RB low	2535	16QAM	23.33
20MHz	50% RB mid	2535	16QAM	22.95
20MHz	1 RB high	2535	16QAM	23.47
20MHz	100% RB	2535	16QAM	22.83
20MHz	1 RB low	2560	QPSK	23.99
20MHz	50% RB mid	2560	QPSK	23.69
20MHz	1 RB high	2560	QPSK	23.20
20MHz	100% RB	2560	QPSK	23.68
20MHz	1 RB low	2560	16QAM	23.31
20MHz	50% RB mid	2560	16QAM	22.75
20MHz	1 RB high	2560	16QAM	22.65
20MHz	100% RB	2560	16QAM	22.74

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

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LTE band 12

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Power(dBm)
1.4MHz	1 RB low	699.7	QPSK	22.77
1.4MHz	50% RB mid	699.7	QPSK	22.81
1.4MHz	1 RB high	699.7	QPSK	22.85
1.4MHz	100% RB	699.7	QPSK	22.02
1.4MHz	1 RB low	699.7	16QAM	21.89
1.4MHz	50% RB mid	699.7	16QAM	21.83
1.4MHz	1 RB high	699.7	16QAM	22.30
1.4MHz	100% RB	699.7	16QAM	21.29
1.4MHz	1 RB low	707.5	QPSK	23.39
1.4MHz	50% RB mid	707.5	QPSK	23.50
1.4MHz	1 RB high	707.5	QPSK	23.18
1.4MHz	100% RB	707.5	QPSK	22.22
1.4MHz	1 RB low	707.5	16QAM	21.99
1.4MHz	50% RB mid	707.5	16QAM	22.21
1.4MHz	1 RB high	707.5	16QAM	22.30
1.4MHz	100% RB	707.5	16QAM	21.04
1.4MHz	1 RB low	715.3	QPSK	23.07
1.4MHz	50% RB mid	715.3	QPSK	22.94
1.4MHz	1 RB high	715.3	QPSK	23.21
1.4MHz	100% RB	715.3	QPSK	21.94
1.4MHz	1 RB low	715.3	16QAM	22.48
1.4MHz	50% RB mid	715.3	16QAM	22.26
1.4MHz	1 RB high	715.3	16QAM	22.29
1.4MHz	100% RB	715.3	16QAM	20.99
3MHz	1 RB low	700.5	QPSK	22.81
3MHz	50% RB mid	700.5	QPSK	21.84
3MHz	1 RB high	700.5	QPSK	22.90
3MHz	100% RB	700.5	QPSK	21.93
3MHz	1 RB low	700.5	16QAM	21.63
3MHz	50% RB mid	700.5	16QAM	20.62
3MHz	1 RB high	700.5	16QAM	21.67
3MHz	100% RB	700.5	16QAM	20.68
3MHz	1 RB low	707.5	QPSK	23.09
3MHz	50% RB mid	707.5	QPSK	22.14
3MHz	1 RB high	707.5	QPSK	23.23
3MHz	100% RB	707.5	QPSK	22.09
3MHz	1 RB low	707.5	16QAM	22.07
3MHz	50% RB mid	707.5	16QAM	21.25
3MHz	1 RB high	707.5	16QAM	22.15
3MHz	100% RB	707.5	16QAM	20.99

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Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Power(dBm)
3MHz	1 RB low	714.5	QPSK	22.72
3MHz	50% RB mid	714.5	QPSK	21.88
3MHz	1 RB high	714.5	QPSK	22.89
3MHz	100% RB	714.5	QPSK	21.91
3MHz	1 RB low	714.5	16QAM	22.17
3MHz	50% RB mid	714.5	16QAM	20.92
3MHz	1 RB high	714.5	16QAM	22.10
3MHz	100% RB	714.5	16QAM	21.13
5MHz	1 RB low	701.5	QPSK	22.56
5MHz	50% RB mid	701.5	QPSK	21.83
5MHz	1 RB high	701.5	QPSK	22.93
5MHz	100% RB	701.5	QPSK	21.84
5MHz	1 RB low	701.5	16QAM	21.79
5MHz	50% RB mid	701.5	16QAM	20.93
5MHz	1 RB high	701.5	16QAM	21.90
5MHz	100% RB	701.5	16QAM	20.82
5MHz	1 RB low	707.5	QPSK	22.84
5MHz	50% RB mid	707.5	QPSK	22.14
5MHz	1 RB high	707.5	QPSK	22.71
5MHz	100% RB	707.5	QPSK	22.09
5MHz	1 RB low	707.5	16QAM	21.73
5MHz	50% RB mid	707.5	16QAM	21.15
5MHz	1 RB high	707.5	16QAM	21.61
5MHz	100% RB	707.5	16QAM	20.98
5MHz	1 RB low	713.5	QPSK	22.73
5MHz	50% RB mid	713.5	QPSK	22.06
5MHz	1 RB high	713.5	QPSK	22.55
5MHz	100% RB	713.5	QPSK	22.00
5MHz	1 RB low	713.5	16QAM	22.04
5MHz	50% RB mid	713.5	16QAM	20.72
5MHz	1 RB high	713.5	16QAM	22.25
5MHz	100% RB	713.5	16QAM	21.12
10MHz	1 RB low	704	QPSK	22.78
10MHz	50% RB mid	704	QPSK	21.90
10MHz	1 RB high	704	QPSK	22.83
10MHz	100% RB	704	QPSK	22.00
10MHz	1 RB low	704	16QAM	21.57
10MHz	50% RB mid	704	16QAM	20.78
10MHz	1 RB high	704	16QAM	22.00
10MHz	100% RB	704	16QAM	20.94
10MHz	1 RB low	707.5	QPSK	22.76

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Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Power(dBm)
10MHz	50% RB mid	707.5	QPSK	22.04
10MHz	1 RB high	707.5	QPSK	23.07
10MHz	100% RB	707.5	QPSK	22.02
10MHz	1 RB low	707.5	16QAM	21.97
10MHz	50% RB mid	707.5	16QAM	21.00
10MHz	1 RB high	707.5	16QAM	22.07
10MHz	100% RB	707.5	16QAM	20.88
10MHz	1 RB low	711	QPSK	23.04
10MHz	50% RB mid	711	QPSK	21.95
10MHz	1 RB high	711	QPSK	22.70
10MHz	100% RB	711	QPSK	22.18
10MHz	1 RB low	711	16QAM	22.32
10MHz	50% RB mid	711	16QAM	21.00
10MHz	1 RB high	711	16QAM	22.19
10MHz	100% RB	711	16QAM	21.09

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

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LTE band 13

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Power(dBm)
5MHz	1 RB low	779.5	QPSK	23.30
5MHz	50% RB mid	779.5	QPSK	22.24
5MHz	1 RB high	779.5	QPSK	23.03
5MHz	100% RB	779.5	QPSK	22.32
5MHz	1 RB low	779.5	16QAM	22.69
5MHz	50% RB mid	779.5	16QAM	21.04
5MHz	1 RB high	779.5	16QAM	22.41
5MHz	100% RB	779.5	16QAM	21.45
5MHz	1 RB low	782	QPSK	23.14
5MHz	50% RB mid	782	QPSK	22.31
5MHz	1 RB high	782	QPSK	23.29
5MHz	100% RB	782	QPSK	22.33
5MHz	1 RB low	782	16QAM	22.21
5MHz	50% RB mid	782	16QAM	21.33
5MHz	1 RB high	782	16QAM	22.22
5MHz	100% RB	782	16QAM	21.15
5MHz	1 RB low	784.5	QPSK	23.36
5MHz	50% RB mid	784.5	QPSK	22.36
5MHz	1 RB high	784.5	QPSK	23.16
5MHz	100% RB	784.5	QPSK	22.28
5MHz	1 RB low	784.5	16QAM	22.08
5MHz	50% RB mid	784.5	16QAM	21.19
5MHz	1 RB high	784.5	16QAM	21.75
5MHz	100% RB	784.5	16QAM	21.13
10MHz	1 RB low	782	QPSK	23.27
10MHz	50% RB mid	782	QPSK	22.12
10MHz	1 RB high	782	QPSK	23.16
10MHz	100% RB	782	QPSK	22.32
10MHz	1 RB low	782	16QAM	22.38
10MHz	50% RB mid	782	16QAM	21.04
10MHz	1 RB high	782	16QAM	22.26
10MHz	100% RB	782	16QAM	21.10

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

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LTE band 14

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Power(dBm)
5MHz	1 RB low	790.5	QPSK	22.96
5MHz	50% RB mid	790.5	QPSK	22.31
5MHz	1 RB high	790.5	QPSK	23.05
5MHz	100% RB	790.5	QPSK	22.26
5MHz	1 RB low	790.5	16QAM	22.17
5MHz	50% RB mid	790.5	16QAM	21.09
5MHz	1 RB high	790.5	16QAM	22.41
5MHz	100% RB	790.5	16QAM	21.21
5MHz	1 RB low	793	QPSK	23.07
5MHz	50% RB mid	793	QPSK	22.24
5MHz	1 RB high	793	QPSK	23.03
5MHz	100% RB	793	QPSK	22.22
5MHz	1 RB low	793	16QAM	22.15
5MHz	50% RB mid	793	16QAM	21.25
5MHz	1 RB high	793	16QAM	22.16
5MHz	100% RB	793	16QAM	21.12
5MHz	1 RB low	795.5	QPSK	23.26
5MHz	50% RB mid	795.5	QPSK	22.18
5MHz	1 RB high	795.5	QPSK	23.23
5MHz	100% RB	795.5	QPSK	22.19
5MHz	1 RB low	795.5	16QAM	21.68
5MHz	50% RB mid	795.5	16QAM	21.14
5MHz	1 RB high	795.5	16QAM	22.05
5MHz	100% RB	795.5	16QAM	21.24
10MHz	1 RB low	793	QPSK	22.86
10MHz	50% RB mid	793	QPSK	22.19
10MHz	1 RB high	793	QPSK	23.28
10MHz	100% RB	793	QPSK	22.20
10MHz	1 RB low	793	16QAM	22.12
10MHz	50% RB mid	793	16QAM	21.08
10MHz	1 RB high	793	16QAM	22.19
10MHz	100% RB	793	16QAM	21.10

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

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LTE band 17

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Power(dBm)
5MHz	1 RB low	706.5	QPSK	22.73
5MHz	50% RB mid	706.5	QPSK	22.10
5MHz	1 RB high	706.5	QPSK	22.71
5MHz	100% RB	706.5	QPSK	22.03
5MHz	1 RB low	706.5	16QAM	22.26
5MHz	50% RB mid	706.5	16QAM	20.87
5MHz	1 RB high	706.5	16QAM	22.25
5MHz	100% RB	706.5	16QAM	21.06
5MHz	1 RB low	710	QPSK	23.12
5MHz	50% RB mid	710	QPSK	21.99
5MHz	1 RB high	710	QPSK	23.09
5MHz	100% RB	710	QPSK	21.96
5MHz	1 RB low	710	16QAM	21.95
5MHz	50% RB mid	710	16QAM	21.14
5MHz	1 RB high	710	16QAM	22.06
5MHz	100% RB	710	16QAM	21.03
5MHz	1 RB low	713.5	QPSK	22.88
5MHz	50% RB mid	713.5	QPSK	22.17
5MHz	1 RB high	713.5	QPSK	22.90
5MHz	100% RB	713.5	QPSK	21.98
5MHz	1 RB low	713.5	16QAM	21.50
5MHz	50% RB mid	713.5	16QAM	20.88
5MHz	1 RB high	713.5	16QAM	21.35
5MHz	100% RB	713.5	16QAM	20.83
10MHz	1 RB low	709	QPSK	23.14
10MHz	50% RB mid	709	QPSK	22.04
10MHz	1 RB high	709	QPSK	23.02
10MHz	100% RB	709	QPSK	22.04
10MHz	1 RB low	709	16QAM	21.94
10MHz	50% RB mid	709	16QAM	21.02
10MHz	1 RB high	709	16QAM	22.12
10MHz	100% RB	709	16QAM	21.07
10MHz	1 RB low	710	QPSK	23.00
10MHz	50% RB mid	710	QPSK	22.01
10MHz	1 RB high	710	QPSK	22.90
10MHz	100% RB	710	QPSK	22.06
10MHz	1 RB low	710	16QAM	22.02
10MHz	50% RB mid	710	16QAM	20.97
10MHz	1 RB high	710	16QAM	21.91
10MHz	100% RB	710	16QAM	21.09

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Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Power(dBm)
10MHz	1 RB low	711	QPSK	23.04
10MHz	50% RB mid	711	QPSK	22.04
10MHz	1 RB high	711	QPSK	23.09
10MHz	100% RB	711	QPSK	22.05
10MHz	1 RB low	711	16QAM	22.27
10MHz	50% RB mid	711	16QAM	21.00
10MHz	1 RB high	711	16QAM	22.10
10MHz	100% RB	711	16QAM	20.95

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

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LTE band 25

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Power(dBm)
1.4MHz	1 RB low	1850.7	QPSK	23.13
1.4MHz	50% RB mid	1850.7	QPSK	23.24
1.4MHz	1 RB high	1850.7	QPSK	23.29
1.4MHz	100% RB	1850.7	QPSK	22.16
1.4MHz	1 RB low	1850.7	16QAM	22.58
1.4MHz	50% RB mid	1850.7	16QAM	22.39
1.4MHz	1 RB high	1850.7	16QAM	22.52
1.4MHz	100% RB	1850.7	16QAM	21.19
1.4MHz	1 RB low	1882.5	QPSK	23.09
1.4MHz	50% RB mid	1882.5	QPSK	23.41
1.4MHz	1 RB high	1882.5	QPSK	23.18
1.4MHz	100% RB	1882.5	QPSK	22.23
1.4MHz	1 RB low	1882.5	16QAM	21.97
1.4MHz	50% RB mid	1882.5	16QAM	21.85
1.4MHz	1 RB high	1882.5	16QAM	21.92
1.4MHz	100% RB	1882.5	16QAM	20.93
1.4MHz	1 RB low	1914.3	QPSK	23.18
1.4MHz	50% RB mid	1914.3	QPSK	23.04
1.4MHz	1 RB high	1914.3	QPSK	22.71
1.4MHz	100% RB	1914.3	QPSK	22.13
1.4MHz	1 RB low	1914.3	16QAM	22.31
1.4MHz	50% RB mid	1914.3	16QAM	22.22
1.4MHz	1 RB high	1914.3	16QAM	21.90
1.4MHz	100% RB	1914.3	16QAM	21.29
3MHz	1 RB low	1851.5	QPSK	23.20
3MHz	50% RB mid	1851.5	QPSK	22.26
3MHz	1 RB high	1851.5	QPSK	23.15
3MHz	100% RB	1851.5	QPSK	22.17
3MHz	1 RB low	1851.5	16QAM	22.37
3MHz	50% RB mid	1851.5	16QAM	21.34
3MHz	1 RB high	1851.5	16QAM	22.07
3MHz	100% RB	1851.5	16QAM	21.12
3MHz	1 RB low	1882.5	QPSK	23.40
3MHz	50% RB mid	1882.5	QPSK	22.29
3MHz	1 RB high	1882.5	QPSK	23.42
3MHz	100% RB	1882.5	QPSK	22.37
3MHz	1 RB low	1882.5	16QAM	22.22
3MHz	50% RB mid	1882.5	16QAM	20.87
3MHz	1 RB high	1882.5	16QAM	22.24
3MHz	100% RB	1882.5	16QAM	21.00

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Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Power(dBm)
3MHz	1 RB low	1913.5	QPSK	23.26
3MHz	50% RB mid	1913.5	QPSK	22.31
3MHz	1 RB high	1913.5	QPSK	22.68
3MHz	100% RB	1913.5	QPSK	22.35
3MHz	1 RB low	1913.5	16QAM	22.43
3MHz	50% RB mid	1913.5	16QAM	21.25
3MHz	1 RB high	1913.5	16QAM	21.71
3MHz	100% RB	1913.5	16QAM	21.61
5MHz	1 RB low	1852.5	QPSK	23.16
5MHz	50% RB mid	1852.5	QPSK	22.15
5MHz	1 RB high	1852.5	QPSK	22.82
5MHz	100% RB	1852.5	QPSK	22.24
5MHz	1 RB low	1852.5	16QAM	22.22
5MHz	50% RB mid	1852.5	16QAM	21.04
5MHz	1 RB high	1852.5	16QAM	21.96
5MHz	100% RB	1852.5	16QAM	20.99
5MHz	1 RB low	1882.5	QPSK	23.06
5MHz	50% RB mid	1882.5	QPSK	22.22
5MHz	1 RB high	1882.5	QPSK	23.00
5MHz	100% RB	1882.5	QPSK	22.27
5MHz	1 RB low	1882.5	16QAM	21.67
5MHz	50% RB mid	1882.5	16QAM	21.30
5MHz	1 RB high	1882.5	16QAM	21.56
5MHz	100% RB	1882.5	16QAM	21.18
5MHz	1 RB low	1912.5	QPSK	23.33
5MHz	50% RB mid	1912.5	QPSK	22.46
5MHz	1 RB high	1912.5	QPSK	22.49
5MHz	100% RB	1912.5	QPSK	22.35
5MHz	1 RB low	1912.5	16QAM	22.29
5MHz	50% RB mid	1912.5	16QAM	21.16
5MHz	1 RB high	1912.5	16QAM	21.62
5MHz	100% RB	1912.5	16QAM	21.43
10MHz	1 RB low	1855	QPSK	23.18
10MHz	50% RB mid	1855	QPSK	22.17
10MHz	1 RB high	1855	QPSK	23.07
10MHz	100% RB	1855	QPSK	22.22
10MHz	1 RB low	1855	16QAM	21.76
10MHz	50% RB mid	1855	16QAM	21.17
10MHz	1 RB high	1855	16QAM	22.17
10MHz	100% RB	1855	16QAM	21.18
10MHz	1 RB low	1882.5	QPSK	23.17

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Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Power(dBm)
10MHz	50% RB mid	1882.5	QPSK	22.32
10MHz	1 RB high	1882.5	QPSK	23.24
10MHz	100% RB	1882.5	QPSK	22.24
10MHz	1 RB low	1882.5	16QAM	22.22
10MHz	50% RB mid	1882.5	16QAM	21.29
10MHz	1 RB high	1882.5	16QAM	22.23
10MHz	100% RB	1882.5	16QAM	21.30
10MHz	1 RB low	1910	QPSK	23.21
10MHz	50% RB mid	1910	QPSK	22.37
10MHz	1 RB high	1910	QPSK	22.29
10MHz	100% RB	1910	QPSK	22.33
10MHz	1 RB low	1910	16QAM	22.25
10MHz	50% RB mid	1910	16QAM	21.21
10MHz	1 RB high	1910	16QAM	21.31
10MHz	100% RB	1910	16QAM	21.29
15MHz	1 RB low	1857.5	QPSK	23.20
15MHz	50% RB mid	1857.5	QPSK	22.20
15MHz	1 RB high	1857.5	QPSK	23.04
15MHz	100% RB	1857.5	QPSK	22.18
15MHz	1 RB low	1857.5	16QAM	21.73
15MHz	50% RB mid	1857.5	16QAM	21.02
15MHz	1 RB high	1857.5	16QAM	22.11
15MHz	100% RB	1857.5	16QAM	21.31
15MHz	1 RB low	1882.5	QPSK	23.13
15MHz	50% RB mid	1882.5	QPSK	22.34
15MHz	1 RB high	1882.5	QPSK	23.25
15MHz	100% RB	1882.5	QPSK	22.27
15MHz	1 RB low	1882.5	16QAM	22.36
15MHz	50% RB mid	1882.5	16QAM	21.17
15MHz	1 RB high	1882.5	16QAM	22.39
15MHz	100% RB	1882.5	16QAM	21.31
15MHz	1 RB low	1907.5	QPSK	23.34
15MHz	50% RB mid	1907.5	QPSK	22.37
15MHz	1 RB high	1907.5	QPSK	22.12
15MHz	100% RB	1907.5	QPSK	22.35
15MHz	1 RB low	1907.5	16QAM	21.76
15MHz	50% RB mid	1907.5	16QAM	21.25
15MHz	1 RB high	1907.5	16QAM	21.11
15MHz	100% RB	1907.5	16QAM	21.40
20MHz	1 RB low	1860	QPSK	23.14
20MHz	50% RB mid	1860	QPSK	22.29

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Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Power(dBm)
20MHz	1 RB high	1860	QPSK	23.49
20MHz	100% RB	1860	QPSK	22.29
20MHz	1 RB low	1860	16QAM	22.67
20MHz	50% RB mid	1860	16QAM	20.93
20MHz	1 RB high	1860	16QAM	22.98
20MHz	100% RB	1860	16QAM	21.23
20MHz	1 RB low	1882.5	QPSK	23.11
20MHz	50% RB mid	1882.5	QPSK	22.35
20MHz	1 RB high	1882.5	QPSK	23.29
20MHz	100% RB	1882.5	QPSK	22.32
20MHz	1 RB low	1882.5	16QAM	22.29
20MHz	50% RB mid	1882.5	16QAM	21.09
20MHz	1 RB high	1882.5	16QAM	22.95
20MHz	100% RB	1882.5	16QAM	21.39
20MHz	1 RB low	1905	QPSK	23.19
20MHz	50% RB mid	1905	QPSK	22.48
20MHz	1 RB high	1905	QPSK	22.17
20MHz	100% RB	1905	QPSK	22.32
20MHz	1 RB low	1905	16QAM	21.70
20MHz	50% RB mid	1905	16QAM	21.35
20MHz	1 RB high	1905	16QAM	21.40
20MHz	100% RB	1905	16QAM	21.29

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

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LTE band 26 (824 MHz-849 MHz)

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Power(dBm)
1.4MHz	1 RB low	824.7	QPSK	22.73
1.4MHz	50% RB mid	824.7	QPSK	23.03
1.4MHz	1 RB high	824.7	QPSK	22.93
1.4MHz	100% RB	824.7	QPSK	21.82
1.4MHz	1 RB low	824.7	16QAM	21.42
1.4MHz	50% RB mid	824.7	16QAM	21.48
1.4MHz	1 RB high	824.7	16QAM	22.10
1.4MHz	100% RB	824.7	16QAM	20.81
1.4MHz	1 RB low	836.5	QPSK	22.78
1.4MHz	50% RB mid	836.5	QPSK	22.84
1.4MHz	1 RB high	836.5	QPSK	22.77
1.4MHz	100% RB	836.5	QPSK	21.68
1.4MHz	1 RB low	836.5	16QAM	22.07
1.4MHz	50% RB mid	836.5	16QAM	22.01
1.4MHz	1 RB high	836.5	16QAM	22.02
1.4MHz	100% RB	836.5	16QAM	20.99
1.4MHz	1 RB low	848.3	QPSK	22.51
1.4MHz	50% RB mid	848.3	QPSK	22.52
1.4MHz	1 RB high	848.3	QPSK	22.54
1.4MHz	100% RB	848.3	QPSK	21.76
1.4MHz	1 RB low	848.3	16QAM	21.80
1.4MHz	50% RB mid	848.3	16QAM	21.72
1.4MHz	1 RB high	848.3	16QAM	21.60
1.4MHz	100% RB	848.3	16QAM	20.68
3MHz	1 RB low	825.5	QPSK	23.09
3MHz	50% RB mid	825.5	QPSK	22.01
3MHz	1 RB high	825.5	QPSK	22.90
3MHz	100% RB	825.5	QPSK	21.83
3MHz	1 RB low	825.5	16QAM	22.37
3MHz	50% RB mid	825.5	16QAM	20.71
3MHz	1 RB high	825.5	16QAM	22.24
3MHz	100% RB	825.5	16QAM	20.82
3MHz	1 RB low	836.5	QPSK	22.73
3MHz	50% RB mid	836.5	QPSK	21.69
3MHz	1 RB high	836.5	QPSK	22.71
3MHz	100% RB	836.5	QPSK	21.78
3MHz	1 RB low	836.5	16QAM	21.61
3MHz	50% RB mid	836.5	16QAM	20.81
3MHz	1 RB high	836.5	16QAM	21.63
3MHz	100% RB	836.5	16QAM	20.52

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Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Power(dBm)
3MHz	1 RB low	847.5	QPSK	22.78
3MHz	50% RB mid	847.5	QPSK	21.72
3MHz	1 RB high	847.5	QPSK	22.67
3MHz	100% RB	847.5	QPSK	21.72
3MHz	1 RB low	847.5	16QAM	21.78
3MHz	50% RB mid	847.5	16QAM	20.61
3MHz	1 RB high	847.5	16QAM	21.78
3MHz	100% RB	847.5	16QAM	20.63
5MHz	1 RB low	826.5	QPSK	22.98
5MHz	50% RB mid	826.5	QPSK	21.96
5MHz	1 RB high	826.5	QPSK	22.40
5MHz	100% RB	826.5	QPSK	21.86
5MHz	1 RB low	826.5	16QAM	21.93
5MHz	50% RB mid	826.5	16QAM	21.06
5MHz	1 RB high	826.5	16QAM	21.91
5MHz	100% RB	826.5	16QAM	20.73
5MHz	1 RB low	836.5	QPSK	22.50
5MHz	50% RB mid	836.5	QPSK	21.71
5MHz	1 RB high	836.5	QPSK	22.39
5MHz	100% RB	836.5	QPSK	21.69
5MHz	1 RB low	836.5	16QAM	21.68
5MHz	50% RB mid	836.5	16QAM	20.71
5MHz	1 RB high	836.5	16QAM	21.46
5MHz	100% RB	836.5	16QAM	20.60
5MHz	1 RB low	846.5	QPSK	22.47
5MHz	50% RB mid	846.5	QPSK	21.74
5MHz	1 RB high	846.5	QPSK	22.42
5MHz	100% RB	846.5	QPSK	21.70
5MHz	1 RB low	846.5	16QAM	22.12
5MHz	50% RB mid	846.5	16QAM	20.63
5MHz	1 RB high	846.5	16QAM	21.52
5MHz	100% RB	846.5	16QAM	20.90
10MHz	1 RB low	829	QPSK	22.78
10MHz	50% RB mid	829	QPSK	21.92
10MHz	1 RB high	829	QPSK	22.62
10MHz	100% RB	829	QPSK	21.91
10MHz	1 RB low	829	16QAM	21.73
10MHz	50% RB mid	829	16QAM	20.95
10MHz	1 RB high	829	16QAM	21.65
10MHz	100% RB	829	16QAM	20.92
10MHz	1 RB low	836.5	QPSK	22.46

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Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Power(dBm)
10MHz	50% RB mid	836.5	QPSK	21.70
10MHz	1 RB high	836.5	QPSK	22.51
10MHz	100% RB	836.5	QPSK	21.70
10MHz	1 RB low	836.5	16QAM	21.37
10MHz	50% RB mid	836.5	16QAM	20.93
10MHz	1 RB high	836.5	16QAM	21.39
10MHz	100% RB	836.5	16QAM	20.66
10MHz	1 RB low	844	QPSK	22.68
10MHz	50% RB mid	844	QPSK	21.75
10MHz	1 RB high	844	QPSK	22.69
10MHz	100% RB	844	QPSK	21.73
10MHz	1 RB low	844	16QAM	21.84
10MHz	50% RB mid	844	16QAM	20.58
10MHz	1 RB high	844	16QAM	22.25
10MHz	100% RB	844	16QAM	20.89
15MHz	1 RB low	831.5	QPSK	22.87
15MHz	50% RB mid	831.5	QPSK	21.80
15MHz	1 RB high	831.5	QPSK	22.67
15MHz	100% RB	831.5	QPSK	21.76
15MHz	1 RB low	831.5	16QAM	22.10
15MHz	50% RB mid	831.5	16QAM	20.67
15MHz	1 RB high	831.5	16QAM	21.84
15MHz	100% RB	831.5	16QAM	20.76
15MHz	1 RB low	836.5	QPSK	22.45
15MHz	50% RB mid	836.5	QPSK	21.66
15MHz	1 RB high	836.5	QPSK	22.58
15MHz	100% RB	836.5	QPSK	21.68
15MHz	1 RB low	836.5	16QAM	21.36
15MHz	50% RB mid	836.5	16QAM	20.72
15MHz	1 RB high	836.5	16QAM	21.32
15MHz	100% RB	836.5	16QAM	20.54
15MHz	1 RB low	841.5	QPSK	22.29
15MHz	50% RB mid	841.5	QPSK	21.72
15MHz	1 RB high	841.5	QPSK	22.34
15MHz	100% RB	841.5	QPSK	21.73
15MHz	1 RB low	841.5	16QAM	22.11
15MHz	50% RB mid	841.5	16QAM	20.75
15MHz	1 RB high	841.5	16QAM	22.18
15MHz	100% RB	841.5	16QAM	20.76

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

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LTE band 26 (814 MHz-824 MHz)

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Power(dBm)
1.4MHz	1 RB low	814.7	QPSK	23.02
1.4MHz	50% RB mid	814.7	QPSK	22.83
1.4MHz	1 RB high	814.7	QPSK	23.02
1.4MHz	100% RB	814.7	QPSK	21.98
1.4MHz	1 RB low	814.7	16QAM	22.40
1.4MHz	50% RB mid	814.7	16QAM	22.24
1.4MHz	1 RB high	814.7	16QAM	22.33
1.4MHz	100% RB	814.7	16QAM	20.96
1.4MHz	1 RB low	819	QPSK	22.98
1.4MHz	50% RB mid	819	QPSK	22.95
1.4MHz	1 RB high	819	QPSK	23.13
1.4MHz	100% RB	819	QPSK	22.03
1.4MHz	1 RB low	819	16QAM	22.02
1.4MHz	50% RB mid	819	16QAM	22.28
1.4MHz	1 RB high	819	16QAM	21.81
1.4MHz	100% RB	819	16QAM	20.73
1.4MHz	1 RB low	823.3	QPSK	22.64
1.4MHz	50% RB mid	823.3	QPSK	22.78
1.4MHz	1 RB high	823.3	QPSK	22.87
1.4MHz	100% RB	823.3	QPSK	21.73
1.4MHz	1 RB low	823.3	16QAM	21.99
1.4MHz	50% RB mid	823.3	16QAM	22.28
1.4MHz	1 RB high	823.3	16QAM	21.95
1.4MHz	100% RB	823.3	16QAM	20.75
3MHz	1 RB low	815.5	QPSK	22.93
3MHz	50% RB mid	815.5	QPSK	21.95
3MHz	1 RB high	815.5	QPSK	22.83
3MHz	100% RB	815.5	QPSK	22.03
3MHz	1 RB low	815.5	16QAM	22.04
3MHz	50% RB mid	815.5	16QAM	20.84
3MHz	1 RB high	815.5	16QAM	22.03
3MHz	100% RB	815.5	16QAM	20.82
3MHz	1 RB low	819	QPSK	22.92
3MHz	50% RB mid	819	QPSK	21.82
3MHz	1 RB high	819	QPSK	22.90
3MHz	100% RB	819	QPSK	22.00
3MHz	1 RB low	819	16QAM	22.40
3MHz	50% RB mid	819	16QAM	20.98
3MHz	1 RB high	819	16QAM	22.23
3MHz	100% RB	819	16QAM	20.88

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Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Power(dBm)
3MHz	1 RB low	822.5	QPSK	22.58
3MHz	50% RB mid	822.5	QPSK	21.57
3MHz	1 RB high	822.5	QPSK	22.67
3MHz	100% RB	822.5	QPSK	21.69
3MHz	1 RB low	822.5	16QAM	21.44
3MHz	50% RB mid	822.5	16QAM	20.77
3MHz	1 RB high	822.5	16QAM	21.74
3MHz	100% RB	822.5	16QAM	20.44
5MHz	1 RB low	816.5	QPSK	22.62
5MHz	50% RB mid	816.5	QPSK	22.00
5MHz	1 RB high	816.5	QPSK	22.73
5MHz	100% RB	816.5	QPSK	21.98
5MHz	1 RB low	816.5	16QAM	22.25
5MHz	50% RB mid	816.5	16QAM	20.98
5MHz	1 RB high	816.5	16QAM	22.16
5MHz	100% RB	816.5	16QAM	20.88
5MHz	1 RB low	819	QPSK	22.92
5MHz	50% RB mid	819	QPSK	21.87
5MHz	1 RB high	819	QPSK	22.67
5MHz	100% RB	819	QPSK	21.84
5MHz	1 RB low	819	16QAM	21.73
5MHz	50% RB mid	819	16QAM	21.02
5MHz	1 RB high	819	16QAM	21.77
5MHz	100% RB	819	16QAM	20.79
5MHz	1 RB low	821.5	QPSK	22.73
5MHz	50% RB mid	821.5	QPSK	21.83
5MHz	1 RB high	821.5	QPSK	22.61
5MHz	100% RB	821.5	QPSK	21.76
5MHz	1 RB low	821.5	16QAM	21.67
5MHz	50% RB mid	821.5	16QAM	20.90
5MHz	1 RB high	821.5	16QAM	21.55
5MHz	100% RB	821.5	16QAM	20.83
10MHz	1 RB low	819	QPSK	22.91
10MHz	50% RB mid	819	QPSK	21.97
10MHz	1 RB high	819	QPSK	22.63
10MHz	100% RB	819	QPSK	21.85
10MHz	1 RB low	819	16QAM	22.31
10MHz	50% RB mid	819	16QAM	21.07
10MHz	1 RB high	819	16QAM	22.04
10MHz	100% RB	819	16QAM	20.89

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

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LTE band 30

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Power(dBm)
5MHz	1 RB low	2307.5	QPSK	21.48
5MHz	50% RB mid	2307.5	QPSK	20.83
5MHz	1 RB high	2307.5	QPSK	21.79
5MHz	100% RB	2307.5	QPSK	20.88
5MHz	1 RB low	2307.5	16QAM	20.44
5MHz	50% RB mid	2307.5	16QAM	19.75
5MHz	1 RB high	2307.5	16QAM	20.33
5MHz	100% RB	2307.5	16QAM	19.96
5MHz	1 RB low	2310	QPSK	21.75
5MHz	50% RB mid	2310	QPSK	20.93
5MHz	1 RB high	2310	QPSK	21.39
5MHz	100% RB	2310	QPSK	20.87
5MHz	1 RB low	2310	16QAM	21.25
5MHz	50% RB mid	2310	16QAM	19.97
5MHz	1 RB high	2310	16QAM	20.76
5MHz	100% RB	2310	16QAM	19.92
5MHz	1 RB low	2312.5	QPSK	21.64
5MHz	50% RB mid	2312.5	QPSK	20.80
5MHz	1 RB high	2312.5	QPSK	21.72
5MHz	100% RB	2312.5	QPSK	20.78
5MHz	1 RB low	2312.5	16QAM	20.77
5MHz	50% RB mid	2312.5	16QAM	19.80
5MHz	1 RB high	2312.5	16QAM	20.38
5MHz	100% RB	2312.5	16QAM	19.85
10MHz	1 RB low	2310	QPSK	21.81
10MHz	50% RB mid	2310	QPSK	20.88
10MHz	1 RB high	2310	QPSK	21.85
10MHz	100% RB	2310	QPSK	20.93
10MHz	1 RB low	2310	16QAM	21.08
10MHz	50% RB mid	2310	16QAM	19.93
10MHz	1 RB high	2310	16QAM	20.60
10MHz	100% RB	2310	16QAM	19.87

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

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LTE band 38

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Power(dBm)
5MHz	1 RB low	2572.5	QPSK	23.91
5MHz	50% RB mid	2572.5	QPSK	23.02
5MHz	1 RB high	2572.5	QPSK	23.91
5MHz	100% RB	2572.5	QPSK	22.96
5MHz	1 RB low	2572.5	16QAM	23.09
5MHz	50% RB mid	2572.5	16QAM	22.05
5MHz	1 RB high	2572.5	16QAM	23.25
5MHz	100% RB	2572.5	16QAM	21.96
5MHz	1 RB low	2595	QPSK	23.70
5MHz	50% RB mid	2595	QPSK	22.94
5MHz	1 RB high	2595	QPSK	23.71
5MHz	100% RB	2595	QPSK	22.90
5MHz	1 RB low	2595	16QAM	22.48
5MHz	50% RB mid	2595	16QAM	22.01
5MHz	1 RB high	2595	16QAM	22.54
5MHz	100% RB	2595	16QAM	21.85
5MHz	1 RB low	2617.5	QPSK	23.57
5MHz	50% RB mid	2617.5	QPSK	23.05
5MHz	1 RB high	2617.5	QPSK	23.64
5MHz	100% RB	2617.5	QPSK	23.02
5MHz	1 RB low	2617.5	16QAM	23.40
5MHz	50% RB mid	2617.5	16QAM	22.06
5MHz	1 RB high	2617.5	16QAM	23.26
5MHz	100% RB	2617.5	16QAM	22.01
10MHz	1 RB low	2575	QPSK	23.99
10MHz	50% RB mid	2575	QPSK	23.13
10MHz	1 RB high	2575	QPSK	23.96
10MHz	100% RB	2575	QPSK	23.08
10MHz	1 RB low	2575	16QAM	23.48
10MHz	50% RB mid	2575	16QAM	22.04
10MHz	1 RB high	2575	16QAM	23.44
10MHz	100% RB	2575	16QAM	22.01
10MHz	1 RB low	2595	QPSK	24.01
10MHz	50% RB mid	2595	QPSK	22.92
10MHz	1 RB high	2595	QPSK	23.90
10MHz	100% RB	2595	QPSK	22.95
10MHz	1 RB low	2595	16QAM	22.52
10MHz	50% RB mid	2595	16QAM	22.11
10MHz	1 RB high	2595	16QAM	22.54
10MHz	100% RB	2595	16QAM	21.96

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Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Power(dBm)
10MHz	1 RB low	2615	QPSK	23.94
10MHz	50% RB mid	2615	QPSK	23.02
10MHz	1 RB high	2615	QPSK	23.85
10MHz	100% RB	2615	QPSK	23.08
10MHz	1 RB low	2615	16QAM	23.34
10MHz	50% RB mid	2615	16QAM	22.02
10MHz	1 RB high	2615	16QAM	23.36
10MHz	100% RB	2615	16QAM	22.02
15MHz	1 RB low	2577.5	QPSK	24.02
15MHz	50% RB mid	2577.5	QPSK	23.05
15MHz	1 RB high	2577.5	QPSK	23.79
15MHz	100% RB	2577.5	QPSK	23.05
15MHz	1 RB low	2577.5	16QAM	23.29
15MHz	50% RB mid	2577.5	16QAM	21.94
15MHz	1 RB high	2577.5	16QAM	23.06
15MHz	100% RB	2577.5	16QAM	21.88
15MHz	1 RB low	2595	QPSK	24.14
15MHz	50% RB mid	2595	QPSK	22.93
15MHz	1 RB high	2595	QPSK	24.01
15MHz	100% RB	2595	QPSK	22.95
15MHz	1 RB low	2595	16QAM	22.77
15MHz	50% RB mid	2595	16QAM	21.83
15MHz	1 RB high	2595	16QAM	22.77
15MHz	100% RB	2595	16QAM	21.99
15MHz	1 RB low	2612.5	QPSK	24.07
15MHz	50% RB mid	2612.5	QPSK	22.94
15MHz	1 RB high	2612.5	QPSK	23.83
15MHz	100% RB	2612.5	QPSK	23.04
15MHz	1 RB low	2612.5	16QAM	23.57
15MHz	50% RB mid	2612.5	16QAM	21.93
15MHz	1 RB high	2612.5	16QAM	23.24
15MHz	100% RB	2612.5	16QAM	21.96
20MHz	1 RB low	2580	QPSK	24.05
20MHz	50% RB mid	2580	QPSK	23.00
20MHz	1 RB high	2580	QPSK	24.08
20MHz	100% RB	2580	QPSK	23.09
20MHz	1 RB low	2580	16QAM	23.18
20MHz	50% RB mid	2580	16QAM	21.99
20MHz	1 RB high	2580	16QAM	23.40
20MHz	100% RB	2580	16QAM	21.82
20MHz	1 RB low	2595	QPSK	23.59

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Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Power(dBm)
20MHz	50% RB mid	2595	QPSK	22.94
20MHz	1 RB high	2595	QPSK	23.74
20MHz	100% RB	2595	QPSK	22.94
20MHz	1 RB low	2595	16QAM	22.64
20MHz	50% RB mid	2595	16QAM	21.88
20MHz	1 RB high	2595	16QAM	23.31
20MHz	100% RB	2595	16QAM	21.95
20MHz	1 RB low	2610	QPSK	23.71
20MHz	50% RB mid	2610	QPSK	22.97
20MHz	1 RB high	2610	QPSK	24.04
20MHz	100% RB	2610	QPSK	22.90
20MHz	1 RB low	2610	16QAM	22.75
20MHz	50% RB mid	2610	16QAM	21.99
20MHz	1 RB high	2610	16QAM	22.77
20MHz	100% RB	2610	16QAM	21.95

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

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LTE band 41

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Power(dBm)
5MHz	1 RB low	2498.5	QPSK	23.31
5MHz	50% RB mid	2498.5	QPSK	22.60
5MHz	1 RB high	2498.5	QPSK	23.31
5MHz	100% RB	2498.5	QPSK	22.52
5MHz	1 RB low	2498.5	16QAM	22.99
5MHz	50% RB mid	2498.5	16QAM	21.52
5MHz	1 RB high	2498.5	16QAM	22.80
5MHz	100% RB	2498.5	16QAM	21.52
5MHz	1 RB low	2593	QPSK	23.58
5MHz	50% RB mid	2593	QPSK	22.53
5MHz	1 RB high	2593	QPSK	23.20
5MHz	100% RB	2593	QPSK	22.56
5MHz	1 RB low	2593	16QAM	23.01
5MHz	50% RB mid	2593	16QAM	21.70
5MHz	1 RB high	2593	16QAM	23.14
5MHz	100% RB	2593	16QAM	21.33
5MHz	1 RB low	2687.5	QPSK	22.32
5MHz	50% RB mid	2687.5	QPSK	21.58
5MHz	1 RB high	2687.5	QPSK	22.38
5MHz	100% RB	2687.5	QPSK	21.49
5MHz	1 RB low	2687.5	16QAM	20.90
5MHz	50% RB mid	2687.5	16QAM	20.63
5MHz	1 RB high	2687.5	16QAM	20.81
5MHz	100% RB	2687.5	16QAM	20.45
10MHz	1 RB low	2501	QPSK	23.57
10MHz	50% RB mid	2501	QPSK	22.69
10MHz	1 RB high	2501	QPSK	23.74
10MHz	100% RB	2501	QPSK	22.75
10MHz	1 RB low	2501	16QAM	22.46
10MHz	50% RB mid	2501	16QAM	21.69
10MHz	1 RB high	2501	16QAM	22.61
10MHz	100% RB	2501	16QAM	21.52
10MHz	1 RB low	2593	QPSK	23.69
10MHz	50% RB mid	2593	QPSK	22.75
10MHz	1 RB high	2593	QPSK	23.58
10MHz	100% RB	2593	QPSK	22.77
10MHz	1 RB low	2593	16QAM	22.04
10MHz	50% RB mid	2593	16QAM	21.73
10MHz	1 RB high	2593	16QAM	22.12
10MHz	100% RB	2593	16QAM	21.67

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Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Power(dBm)
10MHz	1 RB low	2685	QPSK	22.63
10MHz	50% RB mid	2685	QPSK	21.62
10MHz	1 RB high	2685	QPSK	22.62
10MHz	100% RB	2685	QPSK	21.56
10MHz	1 RB low	2685	16QAM	21.96
10MHz	50% RB mid	2685	16QAM	20.41
10MHz	1 RB high	2685	16QAM	22.10
10MHz	100% RB	2685	16QAM	20.57
15MHz	1 RB low	2503.5	QPSK	23.58
15MHz	50% RB mid	2503.5	QPSK	22.61
15MHz	1 RB high	2503.5	QPSK	23.76
15MHz	100% RB	2503.5	QPSK	22.59
15MHz	1 RB low	2503.5	16QAM	22.53
15MHz	50% RB mid	2503.5	16QAM	21.34
15MHz	1 RB high	2503.5	16QAM	22.31
15MHz	100% RB	2503.5	16QAM	21.45
15MHz	1 RB low	2593	QPSK	23.55
15MHz	50% RB mid	2593	QPSK	22.67
15MHz	1 RB high	2593	QPSK	23.63
15MHz	100% RB	2593	QPSK	22.70
15MHz	1 RB low	2593	16QAM	23.13
15MHz	50% RB mid	2593	16QAM	21.61
15MHz	1 RB high	2593	16QAM	23.12
15MHz	100% RB	2593	16QAM	21.59
15MHz	1 RB low	2682.5	QPSK	22.61
15MHz	50% RB mid	2682.5	QPSK	21.53
15MHz	1 RB high	2682.5	QPSK	22.51
15MHz	100% RB	2682.5	QPSK	21.57
15MHz	1 RB low	2682.5	16QAM	21.70
15MHz	50% RB mid	2682.5	16QAM	20.43
15MHz	1 RB high	2682.5	16QAM	21.65
15MHz	100% RB	2682.5	16QAM	20.50
20MHz	1 RB low	2506	QPSK	23.56
20MHz	50% RB mid	2506	QPSK	22.74
20MHz	1 RB high	2506	QPSK	23.79
20MHz	100% RB	2506	QPSK	22.59
20MHz	1 RB low	2506	16QAM	23.17
20MHz	50% RB mid	2506	16QAM	21.66
20MHz	1 RB high	2506	16QAM	23.35
20MHz	100% RB	2506	16QAM	21.61
20MHz	1 RB low	2593	QPSK	23.47

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Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Power(dBm)
20MHz	50% RB mid	2593	QPSK	22.66
20MHz	1 RB high	2593	QPSK	23.43
20MHz	100% RB	2593	QPSK	22.72
20MHz	1 RB low	2593	16QAM	23.22
20MHz	50% RB mid	2593	16QAM	21.61
20MHz	1 RB high	2593	16QAM	22.81
20MHz	100% RB	2593	16QAM	21.71
20MHz	1 RB low	2680	QPSK	22.75
20MHz	50% RB mid	2680	QPSK	21.58
20MHz	1 RB high	2680	QPSK	22.58
20MHz	100% RB	2680	QPSK	21.60
20MHz	1 RB low	2680	16QAM	21.45
20MHz	50% RB mid	2680	16QAM	20.66
20MHz	1 RB high	2680	16QAM	21.32
20MHz	100% RB	2680	16QAM	20.41

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

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LTE band 66

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Power(dBm)
1.4MHz	1 RB low	1710.7	QPSK	23.29
1.4MHz	50% RB mid	1710.7	QPSK	23.39
1.4MHz	1 RB high	1710.7	QPSK	23.37
1.4MHz	100% RB	1710.7	QPSK	22.43
1.4MHz	1 RB low	1710.7	16QAM	22.66
1.4MHz	50% RB mid	1710.7	16QAM	22.51
1.4MHz	1 RB high	1710.7	16QAM	22.50
1.4MHz	100% RB	1710.7	16QAM	21.06
1.4MHz	1 RB low	1745	QPSK	23.78
1.4MHz	50% RB mid	1745	QPSK	23.82
1.4MHz	1 RB high	1745	QPSK	24.00
1.4MHz	100% RB	1745	QPSK	22.75
1.4MHz	1 RB low	1745	16QAM	23.07
1.4MHz	50% RB mid	1745	16QAM	22.95
1.4MHz	1 RB high	1745	16QAM	23.00
1.4MHz	100% RB	1745	16QAM	21.94
1.4MHz	1 RB low	1779.3	QPSK	23.17
1.4MHz	50% RB mid	1779.3	QPSK	23.70
1.4MHz	1 RB high	1779.3	QPSK	23.54
1.4MHz	100% RB	1779.3	QPSK	22.47
1.4MHz	1 RB low	1779.3	16QAM	22.82
1.4MHz	50% RB mid	1779.3	16QAM	22.77
1.4MHz	1 RB high	1779.3	16QAM	22.90
1.4MHz	100% RB	1779.3	16QAM	21.72
3MHz	1 RB low	1711.5	QPSK	23.52
3MHz	50% RB mid	1711.5	QPSK	22.40
3MHz	1 RB high	1711.5	QPSK	23.65
3MHz	100% RB	1711.5	QPSK	22.43
3MHz	1 RB low	1711.5	16QAM	22.64
3MHz	50% RB mid	1711.5	16QAM	21.49
3MHz	1 RB high	1711.5	16QAM	22.30
3MHz	100% RB	1711.5	16QAM	21.41
3MHz	1 RB low	1745	QPSK	23.75
3MHz	50% RB mid	1745	QPSK	22.78
3MHz	1 RB high	1745	QPSK	23.54
3MHz	100% RB	1745	QPSK	22.83
3MHz	1 RB low	1745	16QAM	22.75
3MHz	50% RB mid	1745	16QAM	22.12
3MHz	1 RB high	1745	16QAM	22.69
3MHz	100% RB	1745	16QAM	21.98

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Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Power(dBm)
3MHz	1 RB low	1778.5	QPSK	23.33
3MHz	50% RB mid	1778.5	QPSK	22.49
3MHz	1 RB high	1778.5	QPSK	23.37
3MHz	100% RB	1778.5	QPSK	22.54
3MHz	1 RB low	1778.5	16QAM	22.67
3MHz	50% RB mid	1778.5	16QAM	21.33
3MHz	1 RB high	1778.5	16QAM	22.60
3MHz	100% RB	1778.5	16QAM	21.19
5MHz	1 RB low	1712.5	QPSK	23.21
5MHz	50% RB mid	1712.5	QPSK	22.46
5MHz	1 RB high	1712.5	QPSK	23.19
5MHz	100% RB	1712.5	QPSK	22.36
5MHz	1 RB low	1712.5	16QAM	22.18
5MHz	50% RB mid	1712.5	16QAM	21.57
5MHz	1 RB high	1712.5	16QAM	22.23
5MHz	100% RB	1712.5	16QAM	21.45
5MHz	1 RB low	1745	QPSK	23.49
5MHz	50% RB mid	1745	QPSK	22.77
5MHz	1 RB high	1745	QPSK	23.54
5MHz	100% RB	1745	QPSK	22.80
5MHz	1 RB low	1745	16QAM	23.02
5MHz	50% RB mid	1745	16QAM	21.62
5MHz	1 RB high	1745	16QAM	22.84
5MHz	100% RB	1745	16QAM	21.72
5MHz	1 RB low	1777.5	QPSK	23.18
5MHz	50% RB mid	1777.5	QPSK	22.54
5MHz	1 RB high	1777.5	QPSK	23.43
5MHz	100% RB	1777.5	QPSK	22.48
5MHz	1 RB low	1777.5	16QAM	22.59
5MHz	50% RB mid	1777.5	16QAM	21.56
5MHz	1 RB high	1777.5	16QAM	22.46
5MHz	100% RB	1777.5	16QAM	21.39
10MHz	1 RB low	1715	QPSK	23.36
10MHz	50% RB mid	1715	QPSK	22.43
10MHz	1 RB high	1715	QPSK	23.29
10MHz	100% RB	1715	QPSK	22.50
10MHz	1 RB low	1715	16QAM	22.51
10MHz	50% RB mid	1715	16QAM	21.47
10MHz	1 RB high	1715	16QAM	22.54
10MHz	100% RB	1715	16QAM	21.58
10MHz	1 RB low	1745	QPSK	23.78

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Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Power(dBm)
10MHz	50% RB mid	1745	QPSK	22.78
10MHz	1 RB high	1745	QPSK	23.68
10MHz	100% RB	1745	QPSK	22.89
10MHz	1 RB low	1745	16QAM	23.15
10MHz	50% RB mid	1745	16QAM	21.76
10MHz	1 RB high	1745	16QAM	22.99
10MHz	100% RB	1745	16QAM	21.82
10MHz	1 RB low	1775	QPSK	23.32
10MHz	50% RB mid	1775	QPSK	22.51
10MHz	1 RB high	1775	QPSK	23.45
10MHz	100% RB	1775	QPSK	22.66
10MHz	1 RB low	1775	16QAM	22.45
10MHz	50% RB mid	1775	16QAM	21.62
10MHz	1 RB high	1775	16QAM	22.39
10MHz	100% RB	1775	16QAM	21.51
15MHz	1 RB low	1717.5	QPSK	23.26
15MHz	50% RB mid	1717.5	QPSK	22.46
15MHz	1 RB high	1717.5	QPSK	23.60
15MHz	100% RB	1717.5	QPSK	22.50
15MHz	1 RB low	1717.5	16QAM	22.38
15MHz	50% RB mid	1717.5	16QAM	21.49
15MHz	1 RB high	1717.5	16QAM	22.15
15MHz	100% RB	1717.5	16QAM	21.50
15MHz	1 RB low	1745	QPSK	23.70
15MHz	50% RB mid	1745	QPSK	22.81
15MHz	1 RB high	1745	QPSK	23.53
15MHz	100% RB	1745	QPSK	22.87
15MHz	1 RB low	1745	16QAM	22.99
15MHz	50% RB mid	1745	16QAM	21.68
15MHz	1 RB high	1745	16QAM	22.64
15MHz	100% RB	1745	16QAM	21.68
15MHz	1 RB low	1772.5	QPSK	23.29
15MHz	50% RB mid	1772.5	QPSK	22.46
15MHz	1 RB high	1772.5	QPSK	23.22
15MHz	100% RB	1772.5	QPSK	22.50
15MHz	1 RB low	1772.5	16QAM	23.10
15MHz	50% RB mid	1772.5	16QAM	21.44
15MHz	1 RB high	1772.5	16QAM	22.97
15MHz	100% RB	1772.5	16QAM	21.46
20MHz	1 RB low	1720	QPSK	23.15
20MHz	50% RB mid	1720	QPSK	22.57

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Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Power(dBm)
20MHz	1 RB high	1720	QPSK	23.99
20MHz	100% RB	1720	QPSK	22.63
20MHz	1 RB low	1720	16QAM	22.99
20MHz	50% RB mid	1720	16QAM	21.61
20MHz	1 RB high	1720	16QAM	23.26
20MHz	100% RB	1720	16QAM	21.58
20MHz	1 RB low	1745	QPSK	23.94
20MHz	50% RB mid	1745	QPSK	22.87
20MHz	1 RB high	1745	QPSK	23.65
20MHz	100% RB	1745	QPSK	22.89
20MHz	1 RB low	1745	16QAM	22.88
20MHz	50% RB mid	1745	16QAM	21.71
20MHz	1 RB high	1745	16QAM	22.74
20MHz	100% RB	1745	16QAM	21.71
20MHz	1 RB low	1770	QPSK	23.46
20MHz	50% RB mid	1770	QPSK	22.59
20MHz	1 RB high	1770	QPSK	23.30
20MHz	100% RB	1770	QPSK	22.57
20MHz	1 RB low	1770	16QAM	22.04
20MHz	50% RB mid	1770	16QAM	21.45
20MHz	1 RB high	1770	16QAM	22.34
20MHz	100% RB	1770	16QAM	21.55

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

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LTE band 71

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Power(dBm)
5MHz	1 RB low	665.5	QPSK	22.74
5MHz	50% RB mid	665.5	QPSK	22.01
5MHz	1 RB high	665.5	QPSK	22.76
5MHz	100% RB	665.5	QPSK	21.91
5MHz	1 RB low	665.5	16QAM	21.87
5MHz	50% RB mid	665.5	16QAM	20.93
5MHz	1 RB high	665.5	16QAM	21.67
5MHz	100% RB	665.5	16QAM	20.82
5MHz	1 RB low	680.5	QPSK	23.01
5MHz	50% RB mid	680.5	QPSK	21.96
5MHz	1 RB high	680.5	QPSK	22.94
5MHz	100% RB	680.5	QPSK	21.94
5MHz	1 RB low	680.5	16QAM	21.66
5MHz	50% RB mid	680.5	16QAM	20.91
5MHz	1 RB high	680.5	16QAM	21.68
5MHz	100% RB	680.5	16QAM	20.86
5MHz	1 RB low	695.5	QPSK	22.91
5MHz	50% RB mid	695.5	QPSK	21.99
5MHz	1 RB high	695.5	QPSK	22.84
5MHz	100% RB	695.5	QPSK	22.04
5MHz	1 RB low	695.5	16QAM	21.95
5MHz	50% RB mid	695.5	16QAM	20.67
5MHz	1 RB high	695.5	16QAM	22.11
5MHz	100% RB	695.5	16QAM	20.97
10MHz	1 RB low	668	QPSK	22.75
10MHz	50% RB mid	668	QPSK	21.99
10MHz	1 RB high	668	QPSK	23.01
10MHz	100% RB	668	QPSK	22.05
10MHz	1 RB low	668	16QAM	21.78
10MHz	50% RB mid	668	16QAM	20.97
10MHz	1 RB high	668	16QAM	21.98
10MHz	100% RB	668	16QAM	20.88
10MHz	1 RB low	680.5	QPSK	22.91
10MHz	50% RB mid	680.5	QPSK	21.95
10MHz	1 RB high	680.5	QPSK	23.30
10MHz	100% RB	680.5	QPSK	22.00
10MHz	1 RB low	680.5	16QAM	21.90
10MHz	50% RB mid	680.5	16QAM	20.90
10MHz	1 RB high	680.5	16QAM	21.96
10MHz	100% RB	680.5	16QAM	20.89

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Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Power(dBm)
10MHz	1 RB low	693	QPSK	23.00
10MHz	50% RB mid	693	QPSK	22.09
10MHz	1 RB high	693	QPSK	23.06
10MHz	100% RB	693	QPSK	22.02
10MHz	1 RB low	693	16QAM	22.20
10MHz	50% RB mid	693	16QAM	21.13
10MHz	1 RB high	693	16QAM	22.62
10MHz	100% RB	693	16QAM	20.99
15MHz	1 RB low	670.5	QPSK	22.69
15MHz	50% RB mid	670.5	QPSK	21.90
15MHz	1 RB high	670.5	QPSK	22.82
15MHz	100% RB	670.5	QPSK	21.87
15MHz	1 RB low	670.5	16QAM	21.88
15MHz	50% RB mid	670.5	16QAM	20.98
15MHz	1 RB high	670.5	16QAM	21.73
15MHz	100% RB	670.5	16QAM	20.91
15MHz	1 RB low	680.5	QPSK	22.93
15MHz	50% RB mid	680.5	QPSK	21.98
15MHz	1 RB high	680.5	QPSK	23.04
15MHz	100% RB	680.5	QPSK	21.95
15MHz	1 RB low	680.5	16QAM	21.93
15MHz	50% RB mid	680.5	16QAM	20.80
15MHz	1 RB high	680.5	16QAM	22.03
15MHz	100% RB	680.5	16QAM	20.87
15MHz	1 RB low	690.5	QPSK	23.14
15MHz	50% RB mid	690.5	QPSK	22.06
15MHz	1 RB high	690.5	QPSK	23.04
15MHz	100% RB	690.5	QPSK	21.99
15MHz	1 RB low	690.5	16QAM	22.46
15MHz	50% RB mid	690.5	16QAM	20.89
15MHz	1 RB high	690.5	16QAM	22.61
15MHz	100% RB	690.5	16QAM	20.99
20MHz	1 RB low	673	QPSK	22.65
20MHz	50% RB mid	673	QPSK	22.01
20MHz	1 RB high	673	QPSK	23.01
20MHz	100% RB	673	QPSK	21.99
20MHz	1 RB low	673	16QAM	22.24
20MHz	50% RB mid	673	16QAM	21.00
20MHz	1 RB high	673	16QAM	22.53
20MHz	100% RB	673	16QAM	20.89
20MHz	1 RB low	683	QPSK	22.81

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Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Power(dBm)
20MHz	50% RB mid	683	QPSK	21.92
20MHz	1 RB high	683	QPSK	23.02
20MHz	100% RB	683	QPSK	21.95
20MHz	1 RB low	683	16QAM	22.39
20MHz	50% RB mid	683	16QAM	20.95
20MHz	1 RB high	683	16QAM	22.12
20MHz	100% RB	683	16QAM	20.91
20MHz	1 RB low	688	QPSK	22.74
20MHz	50% RB mid	688	QPSK	21.97
20MHz	1 RB high	688	QPSK	23.11
20MHz	100% RB	688	QPSK	22.03
20MHz	1 RB low	688	16QAM	21.82
20MHz	50% RB mid	688	16QAM	21.04
20MHz	1 RB high	688	16QAM	21.33
20MHz	100% RB	688	16QAM	20.93

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

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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."

Rule Part 90.635 specifies “The maximum output power of the transmitter for mobile stations is 100 watts (20 dBw).”

A.1.3.2 Method of Measurement

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

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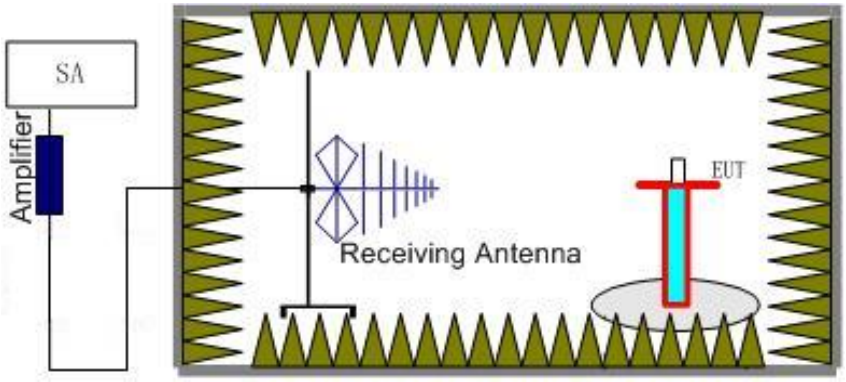
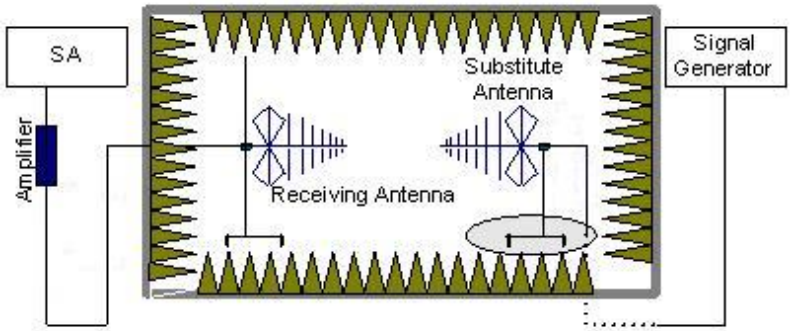


2. The EUT is then put into continuously transmitting mode at its maximum power level during the test. And the maximum value of the receiver should be recorded as (Pr).
3. The EUT shall be replaced by a substitution antenna. The test setup refers to figure below.



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.

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A.1.3.3 Measurement result

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	-14.91	-29.30	8.10	22.49	33.00	H
1880.00	-14.89	-29.40	8.10	22.61	33.00	H
1909.30	-14.70	-29.30	8.10	22.70	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	-14.94	-29.30	8.10	22.46	33.00	H
1880.00	-14.92	-29.40	8.10	22.58	33.00	H
1908.50	-14.73	-29.30	8.10	22.67	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	-14.97	-29.30	8.10	22.43	33.00	H
1880.00	-14.91	-29.40	8.10	22.59	33.00	H
1907.50	-14.75	-29.30	8.10	22.65	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	-15.00	-29.30	8.10	22.40	33.00	H
1880.00	-14.97	-29.40	8.10	22.53	33.00	H
1905.00	-14.78	-29.30	8.10	22.62	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	-15.04	-29.30	8.10	22.36	33.00	H
1880.00	-15.00	-29.40	8.10	22.50	33.00	H
1902.50	-14.81	-29.30	8.10	22.59	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	-15.06	-29.30	8.10	22.34	33.00	H
1880.00	-15.04	-29.40	8.10	22.46	33.00	H
1900.00	-14.84	-29.30	8.10	22.56	33.00	H

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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	-15.67	-29.30	8.10	21.73	33.00	H
1880.00	-15.68	-29.40	8.10	21.82	33.00	H
1909.30	-15.48	-29.30	8.10	21.92	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	-15.69	-29.30	8.10	21.71	33.00	H
1880.00	-15.72	-29.40	8.10	21.78	33.00	H
1908.50	-15.50	-29.30	8.10	21.90	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	-15.71	-29.30	8.10	21.69	33.00	H
1880.00	-15.74	-29.40	8.10	21.76	33.00	H
1907.50	-15.52	-29.30	8.10	21.88	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	-15.75	-29.30	8.10	21.65	33.00	H
1880.00	-15.77	-29.40	8.10	21.73	33.00	H
1905.00	-15.54	-29.30	8.10	21.86	33.00	H

LTE Band 2_15MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1857.50	-15.78	-29.30	8.10	21.62	33.00	H
1880.00	-15.82	-29.40	8.10	21.68	33.00	H
1902.50	-15.55	-29.30	8.10	21.85	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	-15.57	-29.30	8.10	21.83	33.00	H

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LTE Band 2_1.4MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1850.70	-16.51	-29.30	8.10	20.89	33.00	H
1880.00	-16.49	-29.40	8.10	21.01	33.00	H
1909.30	-16.32	-29.30	8.10	21.08	33.00	H

LTE Band 2_3MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1851.50	-16.53	-29.30	8.10	20.87	33.00	H
1880.00	-16.52	-29.40	8.10	20.98	33.00	H
1908.50	-16.35	-29.30	8.10	21.05	33.00	H

LTE Band 2_5MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1852.50	-16.55	-29.30	8.10	20.85	33.00	H
1880.00	-16.54	-29.40	8.10	20.96	33.00	H
1907.50	-16.38	-29.30	8.10	21.02	33.00	H

LTE Band 2_10MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1855.00	-16.59	-29.30	8.10	20.81	33.00	H
1880.00	-16.60	-29.40	8.10	20.90	33.00	H
1905.00	-16.42	-29.30	8.10	20.98	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	-16.62	-29.30	8.10	20.78	33.00	H
1880.00	-16.63	-29.40	8.10	20.87	33.00	H
1902.50	-16.45	-29.30	8.10	20.95	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	-16.65	-29.30	8.10	20.75	33.00	H
1880.00	-16.66	-29.40	8.10	20.84	33.00	H
1900.00	-16.48	-29.30	8.10	20.92	33.00	H

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LTE Band 4- EIRP Part 27.50(d)(4)

Limits: ≤30dBm (1W)

LTE Band 4_1.4MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1710.70	-15.12	-29.60	8.10	22.58	30.00	H
1732.50	-15.24	-29.60	8.10	22.46	30.00	H
1754.30	-15.24	-29.50	8.10	22.36	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	-15.15	-29.60	8.10	22.55	30.00	H
1732.50	-15.27	-29.60	8.10	22.43	30.00	H
1753.50	-15.27	-29.50	8.10	22.33	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	-15.18	-29.60	8.10	22.52	30.00	H
1732.50	-15.30	-29.60	8.10	22.40	30.00	H
1752.50	-15.30	-29.50	8.10	22.30	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	-15.21	-29.60	8.10	22.49	30.00	H
1732.50	-15.33	-29.60	8.10	22.37	30.00	H
1750.00	-15.31	-29.50	8.10	22.29	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	-15.24	-29.60	8.10	22.46	30.00	H
1732.50	-15.35	-29.60	8.10	22.35	30.00	H
1747.50	-15.30	-29.50	8.10	22.30	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	-15.27	-29.60	8.10	22.43	30.00	H
1732.50	-15.38	-29.60	8.10	22.32	30.00	H
1745.00	-15.34	-29.50	8.10	22.26	30.00	H

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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	-15.92	-29.60	8.10	21.78	30.00	H
1732.50	-16.04	-29.60	8.10	21.66	30.00	H
1754.30	-16.03	-29.50	8.10	21.57	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	-15.95	-29.60	8.10	21.75	30.00	H
1732.50	-16.07	-29.60	8.10	21.63	30.00	H
1753.50	-16.07	-29.50	8.10	21.53	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	-16.00	-29.60	8.10	21.70	30.00	H
1732.50	-16.13	-29.60	8.10	21.57	30.00	H
1752.50	-16.12	-29.50	8.10	21.48	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	-16.04	-29.60	8.10	21.66	30.00	H
1732.50	-16.16	-29.60	8.10	21.54	30.00	H
1750.00	-16.14	-29.50	8.10	21.46	30.00	H

LTE Band 4_15MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1717.50	-16.08	-29.60	8.10	21.62	30.00	H
1732.50	-16.23	-29.60	8.10	21.47	30.00	H
1747.50	-16.16	-29.50	8.10	21.44	30.00	H

LTE Band 4_20MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1720.00	-16.11	-29.60	8.10	21.59	30.00	H
1732.50	-16.26	-29.60	8.10	21.44	30.00	H
1745.00	-16.21	-29.50	8.10	21.39	30.00	H

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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	-16.82	-29.60	8.10	20.88	30.00	H
1732.50	-16.93	-29.60	8.10	20.77	30.00	H
1754.30	-16.93	-29.50	8.10	20.67	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	-16.85	-29.60	8.10	20.85	30.00	H
1732.50	-16.97	-29.60	8.10	20.73	30.00	H
1753.50	-16.98	-29.50	8.10	20.62	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	-16.88	-29.60	8.10	20.82	30.00	H
1732.50	-17.00	-29.60	8.10	20.70	30.00	H
1752.50	-17.02	-29.50	8.10	20.58	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	-16.91	-29.60	8.10	20.79	30.00	H
1732.50	-17.04	-29.60	8.10	20.66	30.00	H
1750.00	-17.03	-29.50	8.10	20.57	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	-16.93	-29.60	8.10	20.77	30.00	H
1732.50	-17.08	-29.60	8.10	20.62	30.00	H
1747.50	-17.05	-29.50	8.10	20.55	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	-16.98	-29.60	8.10	20.72	30.00	H
1732.50	-17.11	-29.60	8.10	20.59	30.00	H
1745.00	-17.08	-29.50	8.10	20.52	30.00	H

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LTE Band 5- ERP Part 22.913(a)

Limits: ≤38.45dBm (7W)

LTE Band 5_1.4MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
824.70	-8.72	-33.60	-0.79	2.15	21.94	38.45	V
836.50	-8.96	-33.50	-0.74	2.15	21.65	38.45	V
848.30	-8.88	-33.50	-0.73	2.15	21.73	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	-8.68	-33.60	-0.84	2.15	21.93	38.45	V
836.50	-8.99	-33.50	-0.74	2.15	21.62	38.45	V
847.50	-8.92	-33.50	-0.73	2.15	21.70	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	-8.71	-33.60	-0.84	2.15	21.90	38.45	V
836.50	-9.03	-33.50	-0.74	2.15	21.58	38.45	V
846.50	-8.95	-33.50	-0.73	2.15	21.67	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	-8.74	-33.60	-0.84	2.15	21.87	38.45	V
836.50	-9.06	-33.50	-0.74	2.15	21.55	38.45	V
844.00	-8.94	-33.50	-0.78	2.15	21.63	38.45	V

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LTE Band 5_1.4MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
824.70	-9.53	-33.60	-0.79	2.15	21.13	38.45	V
836.50	-9.74	-33.50	-0.74	2.15	20.87	38.45	V
848.30	-9.69	-33.50	-0.73	2.15	20.93	38.45	V

LTE Band 5_3MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
825.50	-9.51	-33.60	-0.84	2.15	21.10	38.45	V
836.50	-9.76	-33.50	-0.74	2.15	20.85	38.45	V
847.50	-9.72	-33.50	-0.73	2.15	20.90	38.45	V

LTE Band 5_5MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
826.50	-9.53	-33.60	-0.84	2.15	21.08	38.45	V
836.50	-9.78	-33.50	-0.74	2.15	20.83	38.45	V
846.50	-9.75	-33.50	-0.73	2.15	20.87	38.45	V

LTE Band 5_10MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
829.00	-9.57	-33.60	-0.84	2.15	21.04	38.45	V
836.50	-9.82	-33.50	-0.74	2.15	20.79	38.45	V
844.00	-9.73	-33.50	-0.78	2.15	20.84	38.45	V

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LTE Band 5_1.4MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
824.70	-10.40	-33.60	-0.79	2.15	20.26	38.45	V
836.50	-10.68	-33.50	-0.74	2.15	19.93	38.45	V
848.30	-10.52	-33.50	-0.73	2.15	20.10	38.45	V

LTE Band 5_3MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
825.50	-10.37	-33.60	-0.84	2.15	20.24	38.45	V
836.50	-10.71	-33.50	-0.74	2.15	19.90	38.45	V
847.50	-10.56	-33.50	-0.73	2.15	20.06	38.45	V

LTE Band 5_5MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
826.50	-10.40	-33.60	-0.84	2.15	20.21	38.45	V
836.50	-10.73	-33.50	-0.74	2.15	19.88	38.45	V
846.50	-10.61	-33.50	-0.73	2.15	20.01	38.45	V

LTE Band 5_10MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
829.00	-10.46	-33.60	-0.84	2.15	20.15	38.45	V
836.50	-10.76	-33.50	-0.74	2.15	19.85	38.45	V
844.00	-10.59	-33.50	-0.78	2.15	19.98	38.45	V

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

Limits: ≤33 dBm (2W)

LTE Band 7_5MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2502.50	-17.07	-28.70	10.70	22.33	33.00	H
2535.00	-16.79	-28.60	10.70	22.51	33.00	H
2567.50	-16.76	-28.60	10.70	22.54	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	-17.09	-28.70	10.70	22.31	33.00	H
2535.00	-16.81	-28.60	10.70	22.49	33.00	H
2565.00	-16.79	-28.60	10.70	22.51	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	-17.10	-28.70	10.70	22.30	33.00	H
2535.00	-16.85	-28.60	10.70	22.45	33.00	H
2562.50	-16.82	-28.60	10.70	22.48	33.00	H

LTE Band 7_20MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2510.00	-17.13	-28.70	10.70	22.27	33.00	H
2535.00	-16.87	-28.60	10.70	22.43	33.00	H
2560.00	-16.84	-28.60	10.70	22.46	33.00	H

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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	-17.69	-28.70	10.70	21.71	33.00	H
2535.00	-17.46	-28.60	10.70	21.84	33.00	H
2567.50	-17.42	-28.60	10.70	21.88	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	-17.74	-28.70	10.70	21.66	33.00	H
2535.00	-17.52	-28.60	10.70	21.78	33.00	H
2565.00	-17.47	-28.60	10.70	21.83	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	-17.77	-28.70	10.70	21.63	33.00	H
2535.00	-17.55	-28.60	10.70	21.75	33.00	H
2562.50	-17.52	-28.60	10.70	21.78	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	-17.80	-28.70	10.70	21.60	33.00	H
2535.00	-17.60	-28.60	10.70	21.70	33.00	H
2560.00	-17.55	-28.60	10.70	21.75	33.00	H

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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	-18.42	-28.70	10.70	20.98	33.00	H
2535.00	-18.16	-28.60	10.70	21.14	33.00	H
2567.50	-18.10	-28.60	10.70	21.20	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	-18.45	-28.70	10.70	20.95	33.00	H
2535.00	-18.19	-28.60	10.70	21.11	33.00	H
2565.00	-18.14	-28.60	10.70	21.16	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	-18.50	-28.70	10.70	20.90	33.00	H
2535.00	-18.20	-28.60	10.70	21.10	33.00	H
2562.50	-18.16	-28.60	10.70	21.14	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	-18.54	-28.70	10.70	20.86	33.00	H
2535.00	-18.22	-28.60	10.70	21.08	33.00	H
2560.00	-18.20	-28.60	10.70	21.10	33.00	H

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

Limits: ≤34.77dBm (3W)

LTE Band 12_1.4MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
699.70	-12.49	-34.80	-0.93	2.15	19.23	34.77	V
707.50	-12.01	-34.70	-0.91	2.15	19.63	34.77	V
715.30	-12.07	-34.70	-0.68	2.15	19.80	34.77	V

LTE Band 12_3MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
700.50	-12.47	-34.80	-0.97	2.15	19.21	34.77	V
707.50	-12.04	-34.70	-0.91	2.15	19.60	34.77	V
714.50	-12.14	-34.70	-0.64	2.15	19.77	34.77	V

LTE Band 12_5MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
701.50	-12.50	-34.80	-0.97	2.15	19.18	34.77	V
707.50	-12.08	-34.70	-0.91	2.15	19.56	34.77	V
713.50	-12.16	-34.70	-0.64	2.15	19.75	34.77	V

LTE Band 12_10MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
704.00	-12.53	-34.80	-0.97	2.15	19.15	34.77	V
707.50	-12.10	-34.70	-0.91	2.15	19.54	34.77	V
711.00	-12.20	-34.70	-0.64	2.15	19.71	34.77	V

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LTE Band 12_1.4MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
699.70	-12.86	-34.80	-0.93	2.15	18.86	34.77	V
707.50	-12.54	-34.70	-0.91	2.15	19.10	34.77	V
715.30	-12.65	-34.70	-0.68	2.15	19.22	34.77	V

LTE Band 12_3MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
700.50	-12.84	-34.80	-0.97	2.15	18.84	34.77	V
707.50	-12.58	-34.70	-0.91	2.15	19.06	34.77	V
714.50	-12.73	-34.70	-0.64	2.15	19.18	34.77	V

LTE Band 12_5MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
701.50	-12.86	-34.80	-0.97	2.15	18.82	34.77	V
707.50	-12.61	-34.70	-0.91	2.15	19.03	34.77	V
713.50	-12.76	-34.70	-0.64	2.15	19.15	34.77	V

LTE Band 12_10MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
704.00	-12.90	-34.80	-0.97	2.15	18.78	34.77	V
707.50	-12.65	-34.70	-0.91	2.15	18.99	34.77	V
711.00	-12.79	-34.70	-0.64	2.15	19.12	34.77	V

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LTE Band 12_1.4MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
699.70	-13.61	-34.80	-0.93	2.15	18.11	34.77	V
707.50	-13.28	-34.70	-0.91	2.15	18.36	34.77	V
715.30	-13.40	-34.70	-0.68	2.15	18.47	34.77	V

LTE Band 12_3MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
700.50	-13.62	-34.80	-0.97	2.15	18.06	34.77	V
707.50	-13.30	-34.70	-0.91	2.15	18.34	34.77	V
714.50	-13.46	-34.70	-0.64	2.15	18.45	34.77	V

LTE Band 12_5MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
701.50	-13.66	-34.80	-0.97	2.15	18.02	34.77	V
707.50	-13.34	-34.70	-0.91	2.15	18.30	34.77	V
713.50	-13.48	-34.70	-0.64	2.15	18.43	34.77	V

LTE Band 12_10MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
704.00	-13.71	-34.80	-0.97	2.15	17.97	34.77	V
707.50	-13.38	-34.70	-0.91	2.15	18.26	34.77	V
711.00	-13.51	-34.70	-0.64	2.15	18.40	34.77	V

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LTE Band 13- ERP Part 27.50(b)(10)

Limits: ≤34.77dBm (3W)

LTE Band 13_5MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
779.50	-11.50	-34.00	-0.08	2.15	20.27	34.77	V
782.00	-11.36	-34.00	-0.13	2.15	20.36	34.77	V
784.50	-11.19	-34.00	-0.13	2.15	20.53	34.77	V

LTE Band 13_10MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
782.00	-11.29	-34.00	-0.13	2.15	20.43	34.77	V

LTE Band 13_5MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
779.50	-12.16	-34.00	-0.08	2.15	19.61	34.77	V
782.00	-11.93	-34.00	-0.13	2.15	19.79	34.77	V
784.50	-11.77	-34.00	-0.13	2.15	19.95	34.77	V

LTE Band 13_10MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
782.00	-11.88	-34.00	-0.13	2.15	19.84	34.77	V

LTE Band 13_5MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
779.50	-12.94	-34.00	-0.08	2.15	18.83	34.77	V
782.00	-12.71	-34.00	-0.13	2.15	19.01	34.77	V
784.50	-12.48	-34.00	-0.13	2.15	19.24	34.77	V

LTE Band 13_10MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
782.00	-12.57	-34.00	-0.13	2.15	19.15	34.77	V

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LTE Band 14- ERP 90.542(a)(7)

Limits: ≤34.77dBm (3W)

LTE Band 14_5MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
790.50	-11.17	-34.00	-0.42	2.15	20.26	34.77	V
793.00	-11.10	-33.90	-0.42	2.15	20.23	34.77	V
795.50	-11.09	-33.90	-0.46	2.15	20.19	34.77	V

LTE Band 14_10MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
793.00	-11.09	-33.90	-0.42	2.15	20.24	34.77	V

LTE Band 14_5MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
790.50	-11.95	-34.00	-0.42	2.15	19.48	34.77	V
793.00	-11.91	-33.90	-0.42	2.15	19.42	34.77	V
795.50	-11.92	-33.90	-0.46	2.15	19.37	34.77	V

LTE Band 14_10MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
793.00	-11.89	-33.90	-0.42	2.15	19.44	34.77	V

LTE Band 14_5MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
790.50	-12.69	-34.00	-0.42	2.15	18.74	34.77	V
793.00	-12.68	-33.90	-0.42	2.15	18.65	34.77	V
795.50	-12.68	-33.90	-0.46	2.15	18.61	34.77	V

LTE Band 14_10MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
793.00	-12.65	-33.90	-0.42	2.15	18.68	34.77	V

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LTE band 25- ERP Part 24. 232(c)

Limits: ≤33.00dBm (2W)

LTE Band 25_1.4MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1850.70	-14.99	-29.30	8.10	22.41	33.00	H
1882.50	-14.99	-29.40	8.10	22.51	33.00	H
1914.30	-14.77	-29.30	8.10	22.63	33.00	H

LTE Band 25_3MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1851.50	-15.01	-29.30	8.10	22.39	33.00	H
1882.50	-15.01	-29.40	8.10	22.49	33.00	H
1913.50	-14.80	-29.30	8.10	22.60	33.00	H

LTE Band 25_5MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1852.50	-15.04	-29.30	8.10	22.36	33.00	H
1882.50	-15.03	-29.40	8.10	22.47	33.00	H
1912.50	-14.82	-29.30	8.10	22.58	33.00	H

LTE Band 25_10MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1855.00	-15.07	-29.30	8.10	22.33	33.00	H
1882.00	-15.05	-29.40	8.10	22.45	33.00	H
1910.00	-14.84	-29.30	8.10	22.56	33.00	H

LTE Band 25_15MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1857.50	-15.10	-29.30	8.10	22.30	33.00	H
1882.50	-15.08	-29.40	8.10	22.42	33.00	H
1907.50	-14.87	-29.30	8.10	22.53	33.00	H

LTE Band 25_20MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1860.00	-15.12	-29.30	8.10	22.28	33.00	H
1882.50	-15.11	-29.40	8.10	22.39	33.00	H
1905.00	-14.91	-29.30	8.10	22.49	33.00	H

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LTE Band 25_1.4MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1850.70	-15.72	-29.30	8.10	21.68	33.00	H
1882.50	-15.66	-29.40	8.10	21.84	33.00	H
1914.30	-15.47	-29.30	8.10	21.93	33.00	H

LTE Band 25_3MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1851.50	-15.75	-29.30	8.10	21.65	33.00	H
1882.50	-15.72	-29.40	8.10	21.78	33.00	H
1913.50	-15.51	-29.30	8.10	21.89	33.00	H

LTE Band 25_5MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1852.50	-15.78	-29.30	8.10	21.62	33.00	H
1882.50	-15.75	-29.40	8.10	21.75	33.00	H
1912.50	-15.54	-29.30	8.10	21.86	33.00	H

LTE Band 25_10MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1855.00	-15.80	-29.30	8.10	21.60	33.00	H
1882.00	-15.78	-29.40	8.10	21.72	33.00	H
1910.00	-15.58	-29.30	8.10	21.82	33.00	H

LTE Band 25_15MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1857.50	-15.83	-29.30	8.10	21.57	33.00	H
1882.50	-15.81	-29.40	8.10	21.69	33.00	H
1907.50	-15.62	-29.30	8.10	21.78	33.00	H

LTE Band 25_20MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1860.00	-15.87	-29.30	8.10	21.53	33.00	H
1882.50	-15.84	-29.40	8.10	21.66	33.00	H
1905.00	-15.65	-29.30	8.10	21.75	33.00	H

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LTE Band 25_1.4MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1850.70	-16.51	-29.30	8.10	20.89	33.00	H
1882.50	-16.49	-29.40	8.10	21.01	33.00	H
1914.30	-16.32	-29.30	8.10	21.08	33.00	H

LTE Band 25_3MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1851.50	-16.54	-29.30	8.10	20.86	33.00	H
1882.50	-16.51	-29.40	8.10	20.99	33.00	H
1913.50	-16.35	-29.30	8.10	21.05	33.00	H

LTE Band 25_5MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1852.50	-16.58	-29.30	8.10	20.82	33.00	H
1882.50	-16.54	-29.40	8.10	20.96	33.00	H
1912.50	-16.38	-29.30	8.10	21.02	33.00	H

LTE Band 25_10MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1855.00	-16.61	-29.30	8.10	20.79	33.00	H
1882.00	-16.59	-29.40	8.10	20.91	33.00	H
1910.00	-16.41	-29.30	8.10	20.99	33.00	H

LTE Band 25_15MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1857.50	-16.64	-29.30	8.10	20.76	33.00	H
1882.50	-16.63	-29.40	8.10	20.87	33.00	H
1907.50	-16.44	-29.30	8.10	20.96	33.00	H

LTE Band 25_20MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1860.00	-16.68	-29.30	8.10	20.72	33.00	H
1882.50	-16.65	-29.40	8.10	20.85	33.00	H
1905.00	-16.47	-29.30	8.10	20.93	33.00	H

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LTE band 26(824MHz-849MHz)- ERP Part 22.913(a)

Limits: ≤38.45dBm (7W)

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

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
824.70	-8.78	-33.60	-0.79	2.15	21.88	38.45	H
836.50	-8.36	-33.50	-0.74	2.15	22.25	38.45	H
848.30	-8.20	-33.50	-0.73	2.15	22.41	38.45	H

LTE Band 26(824MHz-849MHz)_3MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
825.50	-8.82	-33.60	-0.79	2.15	21.84	38.45	H
836.50	-8.41	-33.50	-0.74	2.15	22.20	38.45	H
847.50	-8.25	-33.50	-0.73	2.15	22.37	38.45	H

LTE Band 26(824MHz-849MHz)_5MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
826.50	-8.84	-33.60	-0.79	2.15	21.82	38.45	H
836.50	-8.46	-33.50	-0.74	2.15	22.15	38.45	H
846.50	-8.28	-33.50	-0.73	2.15	22.34	38.45	H

LTE Band 26(824MHz-849MHz)_10MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
829.00	-8.86	-33.60	-0.79	2.15	21.80	38.45	H
836.50	-8.48	-33.50	-0.74	2.15	22.13	38.45	H
844.00	-8.32	-33.50	-0.73	2.15	22.30	38.45	H

LTE Band 26(824MHz-849MHz)_15MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
831.50	-8.91	-33.60	-0.79	2.15	21.75	38.45	H
836.50	-8.51	-33.50	-0.74	2.15	22.10	38.45	H
841.50	-8.37	-33.50	-0.73	2.15	22.25	38.45	H

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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	-9.60	-33.60	-0.79	2.15	21.06	38.45	H
836.50	-9.12	-33.50	-0.74	2.15	21.49	38.45	H
848.30	-9.04	-33.50	-0.73	2.15	21.58	38.45	H

LTE Band 26(824MHz-849MHz)_3MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
825.50	-9.63	-33.60	-0.79	2.15	21.03	38.45	H
836.50	-9.18	-33.50	-0.74	2.15	21.43	38.45	H
847.50	-9.08	-33.50	-0.73	2.15	21.54	38.45	H

LTE Band 26(824MHz-849MHz)_5MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
826.50	-9.65	-33.60	-0.79	2.15	21.01	38.45	H
836.50	-9.21	-33.50	-0.74	2.15	21.40	38.45	H
846.50	-9.14	-33.50	-0.73	2.15	21.48	38.45	H

LTE Band 26(824MHz-849MHz)_10MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
829.00	-9.69	-33.60	-0.79	2.15	20.97	38.45	H
836.50	-9.26	-33.50	-0.74	2.15	21.35	38.45	H
844.00	-9.19	-33.50	-0.73	2.15	21.43	38.45	H

LTE Band 26(824MHz-849MHz)_15MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
831.50	-9.71	-33.60	-0.79	2.15	20.95	38.45	H
836.50	-9.30	-33.50	-0.74	2.15	21.31	38.45	H
841.50	-9.22	-33.50	-0.73	2.15	21.40	38.45	H

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

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
824.70	-10.41	-33.60	-0.79	2.15	20.25	38.45	H
836.50	-9.92	-33.50	-0.74	2.15	20.69	38.45	H
848.30	-9.87	-33.50	-0.73	2.15	20.75	38.45	H

LTE Band 26(824MHz-849MHz)_3MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
825.50	-10.42	-33.60	-0.79	2.15	20.24	38.45	H
836.50	-9.98	-33.50	-0.74	2.15	20.63	38.45	H
847.50	-9.90	-33.50	-0.73	2.15	20.72	38.45	H

LTE Band 26(824MHz-849MHz)_5MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
826.50	-10.45	-33.60	-0.79	2.15	20.21	38.45	H
836.50	-10.01	-33.50	-0.74	2.15	20.60	38.45	H
846.50	-9.95	-33.50	-0.73	2.15	20.67	38.45	H

LTE Band 26(824MHz-849MHz)_10MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
829.00	-10.48	-33.60	-0.79	2.15	20.18	38.45	H
836.50	-10.07	-33.50	-0.74	2.15	20.54	38.45	H
844.00	-9.99	-33.50	-0.73	2.15	20.63	38.45	H

LTE Band 26(824MHz-849MHz)_15MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
831.50	-10.51	-33.60	-0.79	2.15	20.15	38.45	H
836.50	-10.10	-33.50	-0.74	2.15	20.51	38.45	H
841.50	-10.02	-33.50	-0.73	2.15	20.60	38.45	H

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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	-8.78	-33.70	-0.80	2.15	21.97	50.00	H
819.00	-8.54	-33.60	-0.75	2.15	22.17	50.00	H
823.30	-8.19	-33.60	-0.79	2.15	22.47	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	-8.82	-33.70	-0.80	2.15	21.93	50.00	H
819.00	-8.55	-33.60	-0.75	2.15	22.15	50.00	H
822.50	-8.22	-33.60	-0.79	2.15	22.44	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	-8.85	-33.70	-0.80	2.15	21.90	50.00	H
819.00	-8.60	-33.60	-0.75	2.15	22.10	50.00	H
821.50	-8.23	-33.60	-0.79	2.15	22.43	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	-8.78	-33.60	-0.80	2.15	21.87	50.00	H
819.00	-8.65	-33.60	-0.75	2.15	22.05	50.00	H
819.00	-8.26	-33.60	-0.79	2.15	22.40	50.00	H

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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	-9.54	-33.70	-0.80	2.15	21.21	50.00	H
819.00	-9.28	-33.60	-0.75	2.15	21.42	50.00	H
823.30	-9.01	-33.60	-0.79	2.15	21.65	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	-9.60	-33.70	-0.80	2.15	21.15	50.00	H
819.00	-9.29	-33.60	-0.75	2.15	21.41	50.00	H
822.50	-9.06	-33.60	-0.79	2.15	21.60	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	-9.62	-33.70	-0.80	2.15	21.13	50.00	H
819.00	-9.32	-33.60	-0.75	2.15	21.38	50.00	H
821.50	-9.09	-33.60	-0.79	2.15	21.57	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	-9.55	-33.60	-0.80	2.15	21.10	50.00	H
819.00	-9.37	-33.60	-0.75	2.15	21.33	50.00	H
819.00	-9.14	-33.60	-0.79	2.15	21.52	50.00	H

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

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
814.70	-10.40	-33.70	-0.80	2.15	20.35	50.00	H
819.00	-10.12	-33.60	-0.75	2.15	20.58	50.00	H
823.30	-9.87	-33.60	-0.79	2.15	20.79	50.00	H

LTE Band 26(814MHz-824MHz)_3MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
815.50	-10.41	-33.70	-0.80	2.15	20.34	50.00	H
819.00	-10.16	-33.60	-0.75	2.15	20.54	50.00	H
822.50	-9.90	-33.60	-0.79	2.15	20.76	50.00	H

LTE Band 26(814MHz-824MHz)_5MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
816.50	-10.44	-33.70	-0.80	2.15	20.31	50.00	H
819.00	-10.21	-33.60	-0.75	2.15	20.49	50.00	H
821.50	-9.91	-33.60	-0.79	2.15	20.75	50.00	H

LTE Band 26(814MHz-824MHz)_10MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
819.00	-10.37	-33.60	-0.80	2.15	20.28	50.00	H
819.00	-10.25	-33.60	-0.75	2.15	20.45	50.00	H
819.00	-9.96	-33.60	-0.79	2.15	20.70	50.00	H

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LTE Band 30 - EIRP Part27.50(a)(3)

Limits: ≤23.98dBm (0.25W)

LTE Band 30_5MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2307.50	-16.02	-28.80	9.80	22.58	23.98	H
2310.00	-16.09	-28.80	9.80	22.51	23.98	H
2312.50	-16.14	-28.80	9.80	22.46	23.98	H

LTE Band 30_10MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2310.00	-16.07	-28.80	9.80	22.53	23.98	H

LTE Band 30_5MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2307.50	-16.87	-28.80	9.80	21.73	23.98	H
2310.00	-16.95	-28.80	9.80	21.65	23.98	H
2312.50	-16.98	-28.80	9.80	21.62	23.98	H

LTE Band 30_10MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2310.00	-16.92	-28.80	9.80	21.68	23.98	H

LTE Band 30_5MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2307.50	-17.76	-28.80	9.80	20.84	23.98	H
2310.00	-17.84	-28.80	9.80	20.76	23.98	H
2312.50	-17.88	-28.80	9.80	20.72	23.98	H

LTE Band 30_10MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2310.00	-17.81	-28.80	9.80	20.79	23.98	H

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

Limits: ≤33dBm (2W)

LTE Band 41_5MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2498.50	-16.99	-28.70	10.70	22.41	33.00	H
2593.00	-16.79	-28.60	10.70	22.51	33.00	H
2687.50	-16.57	-28.50	10.70	22.63	33.00	H

LTE Band 41_10MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2501.00	-17.01	-28.70	10.70	22.39	33.00	H
2593.00	-16.82	-28.60	10.70	22.48	33.00	H
2685.00	-16.60	-28.50	10.70	22.60	33.00	H

LTE Band 41_15MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2503.50	-17.04	-28.70	10.70	22.36	33.00	H
2593.00	-16.85	-28.60	10.70	22.45	33.00	H
2682.50	-16.63	-28.50	10.70	22.57	33.00	H

LTE Band 41_20MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	-17.07	-28.70	10.70	22.33	33.00	H
2593.00	-16.90	-28.60	10.70	22.40	33.00	H
2680.00	-16.67	-28.50	10.70	22.53	33.00	H

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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	-17.72	-28.70	10.70	21.68	33.00	H
2595.00	-17.47	-28.60	10.70	21.83	33.00	H
2652.50	-17.38	-28.60	10.70	21.92	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	-17.75	-28.70	10.70	21.65	33.00	H
2595.00	-17.51	-28.60	10.70	21.79	33.00	H
2650.00	-17.40	-28.60	10.70	21.90	33.00	H

LTE Band 41_15MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2542.50	-17.77	-28.70	10.70	21.63	33.00	H
2595.00	-17.55	-28.60	10.70	21.75	33.00	H
2647.50	-17.44	-28.60	10.70	21.86	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	-17.80	-28.70	10.70	21.60	33.00	H
2595.00	-17.60	-28.60	10.70	21.70	33.00	H
2645.00	-17.48	-28.60	10.70	21.82	33.00	H

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LTE Band 41_5MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2498.50	-18.56	-28.70	10.70	20.84	33.00	H
2593.00	-18.41	-28.60	10.70	20.89	33.00	H
2687.50	-18.19	-28.50	10.70	21.01	33.00	H

LTE Band 41_10MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2501.00	-18.60	-28.70	10.70	20.80	33.00	H
2593.00	-18.45	-28.60	10.70	20.85	33.00	H
2685.00	-18.22	-28.50	10.70	20.98	33.00	H

LTE Band 41_15MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2503.50	-18.62	-28.70	10.70	20.78	33.00	H
2593.00	-18.47	-28.60	10.70	20.83	33.00	H
2682.50	-18.25	-28.50	10.70	20.95	33.00	H

LTE Band 41_20MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	-18.66	-28.70	10.70	20.74	33.00	H
2593.00	-18.50	-28.60	10.70	20.80	33.00	H
2680.00	-18.28	-28.50	10.70	20.92	33.00	H

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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	-15.24	-29.60	8.10	22.46	30.00	H
1745.00	-15.06	-29.50	8.10	22.54	30.00	H
1779.30	-15.00	-29.50	8.10	22.60	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	-15.26	-29.60	8.10	22.44	30.00	H
1745.00	-15.11	-29.50	8.10	22.49	30.00	H
1778.50	-15.02	-29.50	8.10	22.58	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	-15.27	-29.60	8.10	22.43	30.00	H
1745.00	-15.14	-29.50	8.10	22.46	30.00	H
1777.50	-15.06	-29.50	8.10	22.54	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	-15.30	-29.60	8.10	22.40	30.00	H
1745.00	-15.18	-29.50	8.10	22.42	30.00	H
1775.00	-15.11	-29.50	8.10	22.49	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	-15.33	-29.60	8.10	22.37	30.00	H
1745.00	-15.22	-29.50	8.10	22.38	30.00	H
1772.53	-15.14	-29.50	8.10	22.46	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	-15.36	-29.60	8.10	22.34	30.00	H
1745.00	-15.23	-29.50	8.10	22.37	30.00	H
1770.00	-15.16	-29.50	8.10	22.44	30.00	H

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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	-16.02	-29.60	8.10	21.68	30.00	H
1745.00	-15.86	-29.50	8.10	21.74	30.00	H
1779.30	-15.77	-29.50	8.10	21.83	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	-16.05	-29.60	8.10	21.65	30.00	H
1745.00	-15.89	-29.50	8.10	21.71	30.00	H
1778.50	-15.79	-29.50	8.10	21.81	30.00	H

LTE Band 66_5MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1712.50	-16.07	-29.60	8.10	21.63	30.00	H
1745.00	-15.92	-29.50	8.10	21.68	30.00	H
1777.50	-15.81	-29.50	8.10	21.79	30.00	H

LTE Band 66_10MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1715.00	-16.08	-29.60	8.10	21.62	30.00	H
1745.00	-15.93	-29.50	8.10	21.67	30.00	H
1775.00	-15.85	-29.50	8.10	21.75	30.00	H

LTE Band 66_15MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1717.50	-16.11	-29.60	8.10	21.59	30.00	H
1745.00	-15.97	-29.50	8.10	21.63	30.00	H
1772.53	-15.89	-29.50	8.10	21.71	30.00	H

LTE Band 66_20MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1720.00	-16.15	-29.60	8.10	21.55	30.00	H
1745.00	-16.02	-29.50	8.10	21.58	30.00	H
1770.00	-15.93	-29.50	8.10	21.67	30.00	H

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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	-16.88	-29.60	8.10	20.82	30.00	H
1745.00	-16.72	-29.50	8.10	20.88	30.00	H
1779.30	-16.61	-29.50	8.10	20.99	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	-16.90	-29.60	8.10	20.80	30.00	H
1745.00	-16.75	-29.50	8.10	20.85	30.00	H
1778.50	-16.63	-29.50	8.10	20.97	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	-16.92	-29.60	8.10	20.78	30.00	H
1745.00	-16.78	-29.50	8.10	20.82	30.00	H
1777.50	-16.67	-29.50	8.10	20.93	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	-16.95	-29.60	8.10	20.75	30.00	H
1745.00	-16.82	-29.50	8.10	20.78	30.00	H
1775.00	-16.70	-29.50	8.10	20.90	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	-16.98	-29.60	8.10	20.72	30.00	H
1745.00	-16.83	-29.50	8.10	20.77	30.00	H
1772.53	-16.72	-29.50	8.10	20.88	30.00	H

LTE Band 66_20MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1720.00	-17.02	-29.60	8.10	20.68	30.00	H
1745.00	-16.85	-29.50	8.10	20.75	30.00	H
1770.00	-16.76	-29.50	8.10	20.84	30.00	H

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LTE Band 71- ERP 27.50(c)(10)

Limits: ≤34.77 dBm (3W)

LTE Band 71_5MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
665.50	-13.54	-36.70	-1.11	2.15	19.90	34.77	V
680.50	-13.63	-36.80	-0.82	2.15	20.20	34.77	V
695.50	-10.95	-34.80	-0.93	2.15	20.77	34.77	V

LTE Band 71_10MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
668.00	-13.56	-36.70	-1.11	2.15	19.88	34.77	V
680.50	-13.68	-36.80	-0.82	2.15	20.15	34.77	V
693.00	-10.99	-34.80	-0.93	2.15	20.73	34.77	V

LTE Band 71_15MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
670.50	-13.59	-36.70	-1.11	2.15	19.85	34.77	V
680.50	-13.71	-36.80	-0.82	2.15	20.12	34.77	V
690.50	-11.04	-34.80	-0.93	2.15	20.68	34.77	V

LTE Band 71_20MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
673.00	-13.61	-36.70	-1.11	2.15	19.83	34.77	V
683.00	-13.76	-36.80	-0.82	2.15	20.07	34.77	V
688.00	-11.09	-34.80	-0.93	2.15	20.63	34.77	V

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LTE Band 71_5MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
665.50	-14.18	-36.70	-1.11	2.15	19.26	34.77	V
680.50	-14.16	-36.80	-0.82	2.15	19.67	34.77	V
695.50	-11.84	-34.80	-0.93	2.15	19.88	34.77	V

LTE Band 71_10MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
668.00	-14.21	-36.70	-1.11	2.15	19.23	34.77	V
680.50	-14.20	-36.80	-0.82	2.15	19.63	34.77	V
693.00	-11.87	-34.80	-0.93	2.15	19.85	34.77	V

LTE Band 71_15MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
670.50	-14.19	-36.70	-1.11	2.15	19.25	34.77	V
680.50	-14.25	-36.80	-0.82	2.15	19.58	34.77	V
690.50	-11.92	-34.80	-0.93	2.15	19.80	34.77	V

LTE Band 71_20MHz_16QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
673.00	-14.23	-36.70	-1.11	2.15	19.21	34.77	V
683.00	-14.29	-36.80	-0.82	2.15	19.54	34.77	V
688.00	-11.95	-34.80	-0.93	2.15	19.77	34.77	V

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LTE Band 71_5MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
665.50	-15.00	-36.70	-1.11	2.15	18.44	34.77	V
680.50	-15.04	-36.80	-0.82	2.15	18.79	34.77	V
695.50	-12.76	-34.80	-0.93	2.15	18.96	34.77	V

LTE Band 71_10MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
668.00	-15.01	-36.70	-1.11	2.15	18.43	34.77	V
680.50	-15.08	-36.80	-0.82	2.15	18.75	34.77	V
693.00	-12.79	-34.80	-0.93	2.15	18.93	34.77	V

LTE Band 71_15MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
670.50	-15.04	-36.70	-1.11	2.15	18.40	34.77	V
680.50	-15.09	-36.80	-0.82	2.15	18.74	34.77	V
690.50	-12.85	-34.80	-0.93	2.15	18.87	34.77	V

LTE Band 71_20MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
673.00	-15.07	-36.70	-1.11	2.15	18.37	34.77	V
683.00	-15.13	-36.80	-0.82	2.15	18.70	34.77	V
688.00	-12.89	-34.80	-0.93	2.15	18.83	34.77	V

ANALYZER SETTINGS:
RBW = VBW = 8MHz for occupied bandwidths equal to or less than 5MHz.
RBW = VBW = 20MHz for occupied bandwidths equal to or greater than 10MHz.
Note: The maximum value of expanded measurement uncertainty for this test item is U = 2.82dB(30MHz-3GHz)/3.06dB(3GHz-18GHz)/2.40dB(18GHz-40GHz), k = 2
Note: Both of Vertical and Horizontal polarizations are evaluated, but only the worst case is recorded in this report.

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A.2 FIELD STRENGTH OF SPURIOUS RADIATION

Reference

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

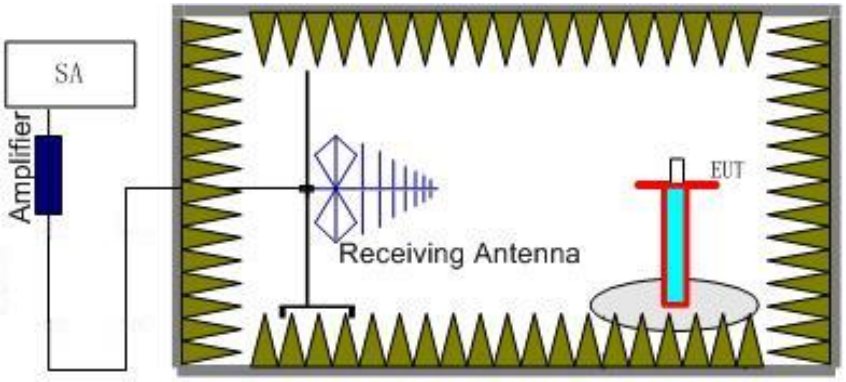
A.2.1 Measurement Method

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(a), 27.53(c), 27.53(g),27.53(h), 27.53(m), 27.53(g), 90.543and 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.

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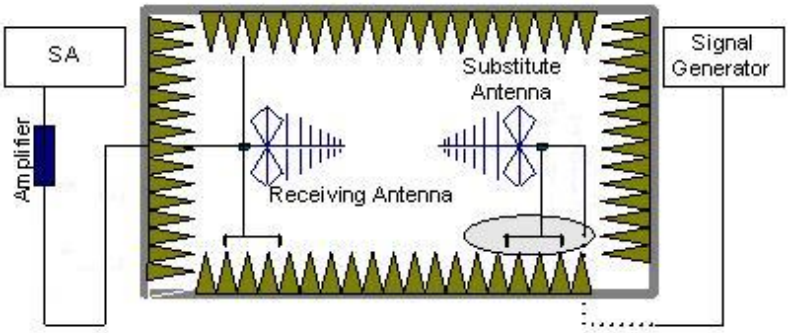

In the chamber, an substitution antenna for the frequency band of interest is placed at the reference point of the chamber. An RF Signal source for the frequency band of interest is connected to the substitution antenna with a cable that has been constructed to not interfere with the radiation pattern 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.

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LTE Band 2, 1.4MHz, QPSK, Channel 18607

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16934.00	-43.57	2.90	16.50	-29.97	-13.00	H
17112.50	-42.49	2.90	14.50	-30.89	-13.00	H
17292.50	-41.14	3.20	14.50	-29.84	-13.00	H
17457.00	-40.11	2.90	14.50	-28.51	-13.00	H
17634.00	-38.10	3.30	12.80	-28.60	-13.00	H
17801.00	-37.85	3.60	12.80	-28.65	-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
16958.00	-44.71	2.90	16.50	-31.11	-13.00	H
17176.00	-43.60	2.90	14.50	-32.00	-13.00	H
17279.00	-42.84	3.20	14.50	-31.54	-13.00	H
17441.50	-41.54	2.90	14.50	-29.94	-13.00	H
17646.00	-40.12	3.30	12.80	-30.62	-13.00	H
17766.50	-40.33	3.60	12.80	-31.13	-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
16939.00	-44.32	2.90	16.50	-30.72	-13.00	H
17122.00	-43.15	2.90	14.50	-31.55	-13.00	H
17348.00	-42.24	3.20	14.50	-30.94	-13.00	H
17493.50	-41.22	2.90	14.50	-29.62	-13.00	H
17545.00	-39.58	2.90	12.80	-29.68	-13.00	H
17795.00	-39.24	3.60	12.80	-30.04	-13.00	H

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16976.00	-44.96	2.90	16.50	-31.36	-13.00	H
17172.00	-43.45	2.90	14.50	-31.85	-13.00	H
17253.00	-43.02	3.20	14.50	-31.72	-13.00	H
17497.00	-41.80	2.90	14.50	-30.20	-13.00	H
17612.50	-38.95	3.30	12.80	-29.45	-13.00	H
17832.00	-39.54	3.60	12.80	-30.34	-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
16986.00	-44.72	2.90	16.50	-31.12	-13.00	H
17190.50	-43.29	2.90	14.50	-31.69	-13.00	H
17358.00	-43.37	3.20	14.50	-32.07	-13.00	H
17491.00	-41.45	2.90	14.50	-29.85	-13.00	H
17591.00	-38.88	3.30	12.80	-29.38	-13.00	H
17824.50	-39.95	3.60	12.80	-30.75	-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
16989.00	-44.28	2.90	16.50	-30.68	-13.00	H
17164.50	-43.33	2.90	14.50	-31.73	-13.00	H
17301.00	-42.57	3.20	14.50	-31.27	-13.00	H
17461.00	-41.05	2.90	14.50	-29.45	-13.00	H
17625.00	-38.73	3.30	12.80	-29.23	-13.00	H
17838.50	-39.57	3.60	12.80	-30.37	-13.00	H

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16967.50	-44.68	2.90	16.50	-31.08	-13.00	H
17143.50	-43.48	2.90	14.50	-31.88	-13.00	H
17276.00	-41.97	3.20	14.50	-30.67	-13.00	H
17519.50	-39.66	2.90	12.80	-29.76	-13.00	H
17624.00	-39.20	3.30	12.80	-29.70	-13.00	H
17826.50	-39.92	3.60	12.80	-30.72	-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
17000.50	-42.56	2.90	14.50	-30.96	-13.00	H
17115.50	-43.61	2.90	14.50	-32.01	-13.00	H
17224.50	-42.32	3.20	14.50	-31.02	-13.00	H
17453.50	-41.71	2.90	14.50	-30.11	-13.00	H
17536.50	-39.49	2.90	12.80	-29.59	-13.00	H
17794.00	-39.81	3.60	12.80	-30.61	-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
16990.00	-44.88	2.90	16.50	-31.28	-13.00	H
17119.50	-43.18	2.90	14.50	-31.58	-13.00	H
17250.50	-42.06	3.20	14.50	-30.76	-13.00	H
17436.00	-41.03	2.90	14.50	-29.43	-13.00	H
17575.00	-38.94	3.30	12.80	-29.44	-13.00	H
17837.50	-39.68	3.60	12.80	-30.48	-13.00	H

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LTE Band 4, 1.4MHz, QPSK, Channel 19957

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16948.50	-44.52	2.90	16.50	-30.92	-13.00	H
17167.00	-42.97	2.90	14.50	-31.37	-13.00	H
17231.00	-42.53	3.20	14.50	-31.23	-13.00	H
17450.50	-41.18	2.90	14.50	-29.58	-13.00	H
17588.50	-39.31	3.30	12.80	-29.81	-13.00	H
17832.50	-39.78	3.60	12.80	-30.58	-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
16999.50	-44.50	2.90	16.50	-30.90	-13.00	H
17163.00	-43.43	2.90	14.50	-31.83	-13.00	H
17343.50	-43.17	3.20	14.50	-31.87	-13.00	H
17519.50	-39.09	2.90	12.80	-29.19	-13.00	H
17570.00	-39.59	3.30	12.80	-30.09	-13.00	H
17827.00	-39.51	3.60	12.80	-30.31	-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
16487.00	-46.09	2.70	17.40	-31.39	-13.00	H
16952.00	-44.30	2.90	16.50	-30.70	-13.00	H
17296.00	-42.10	3.20	14.50	-30.80	-13.00	H
17494.00	-41.25	2.90	14.50	-29.65	-13.00	H
17585.00	-38.29	3.30	12.80	-28.79	-13.00	H
17804.00	-39.79	3.60	12.80	-30.59	-13.00	H

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16984.00	-44.80	2.90	16.50	-31.20	-13.00	H
17203.00	-43.55	2.90	14.50	-31.95	-13.00	H
17237.50	-42.74	3.20	14.50	-31.44	-13.00	H
17482.00	-41.51	2.90	14.50	-29.91	-13.00	H
17590.50	-39.62	3.30	12.80	-30.12	-13.00	H
17839.50	-40.01	3.60	12.80	-30.81	-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
16986.00	-45.22	2.90	16.50	-31.62	-13.00	H
17214.50	-43.38	2.90	14.50	-31.78	-13.00	H
17351.50	-42.68	3.20	14.50	-31.38	-13.00	H
17452.00	-41.58	2.90	14.50	-29.98	-13.00	H
17588.00	-39.53	3.30	12.80	-30.03	-13.00	H
17776.00	-39.81	3.60	12.80	-30.61	-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
16991.50	-44.54	2.90	16.50	-30.94	-13.00	H
17187.00	-43.43	2.90	14.50	-31.83	-13.00	H
17304.00	-42.76	3.20	14.50	-31.46	-13.00	H
17460.00	-41.25	2.90	14.50	-29.65	-13.00	H
17619.00	-39.45	3.30	12.80	-29.95	-13.00	H
17839.50	-39.07	3.60	12.80	-29.87	-13.00	H

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16935.00	-44.61	2.90	16.50	-31.01	-13.00	H
17126.00	-43.18	2.90	14.50	-31.58	-13.00	H
17277.50	-42.05	3.20	14.50	-30.75	-13.00	H
17447.50	-41.43	2.90	14.50	-29.83	-13.00	H
17616.50	-39.30	3.30	12.80	-29.80	-13.00	H
17825.50	-39.52	3.60	12.80	-30.32	-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
16938.50	-44.79	2.90	16.50	-31.19	-13.00	H
17122.00	-43.59	2.90	14.50	-31.99	-13.00	H
17294.00	-43.04	3.20	14.50	-31.74	-13.00	H
17459.50	-40.78	2.90	14.50	-29.18	-13.00	H
17575.00	-39.29	3.30	12.80	-29.79	-13.00	H
17821.00	-38.73	3.60	12.80	-29.53	-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
16937.50	-44.21	2.90	16.50	-30.61	-13.00	H
17206.00	-43.49	2.90	14.50	-31.89	-13.00	H
17270.00	-42.53	3.20	14.50	-31.23	-13.00	H
17499.50	-40.86	2.90	14.50	-29.26	-13.00	H
17591.00	-39.80	3.30	12.80	-30.30	-13.00	H
17799.00	-39.47	3.60	12.80	-30.27	-13.00	H

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LTE Band 5, 1.4MHz, QPSK, Channel 20407

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2472.92	-40.31	0.90	9.80	-33.56	-13.00	H
9152.75	-51.97	2.10	11.60	-44.62	-13.00	H
9224.00	-51.80	2.10	11.60	-44.45	-13.00	H
9299.25	-50.54	2.00	11.60	-43.09	-13.00	H
9474.50	-51.71	2.10	11.60	-44.36	-13.00	V
9725.00	-51.19	2.20	11.20	-44.34	-13.00	H

LTE Band 5, 1.4MHz, QPSK, Channel 20525

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2508.33	-40.75	0.90	10.70	-33.10	-13.00	H
8456.50	-51.71	1.80	11.30	-44.36	-13.00	H
9225.75	-51.14	2.10	11.60	-43.79	-13.00	H
9300.75	-50.92	2.00	11.60	-43.47	-13.00	H
9426.25	-51.96	2.10	11.60	-44.61	-13.00	H
9476.75	-51.14	2.10	11.60	-43.79	-13.00	V

LTE Band 5, 1.4MHz, QPSK, Channel 20643

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2543.75	-39.56	0.90	10.70	-31.91	-13.00	H
9098.50	-51.73	2.20	11.60	-44.48	-13.00	H
9101.00	-51.99	2.20	11.60	-44.74	-13.00	H
9225.25	-51.15	2.10	11.60	-43.80	-13.00	H
9300.25	-51.54	2.00	11.60	-44.09	-13.00	H
9428.00	-51.83	2.10	11.60	-44.48	-13.00	H

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
1647.92	-41.42	0.80	8.10	-36.27	-13.00	V
2473.70	-44.56	0.90	9.80	-37.81	-13.00	V
9214.75	-50.78	2.10	11.60	-43.43	-13.00	H
9226.50	-51.26	2.10	11.60	-43.91	-13.00	H
9296.25	-51.56	2.00	11.60	-44.11	-13.00	H
9801.00	-50.38	2.30	11.20	-43.63	-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
2508.33	-42.51	0.90	10.70	-34.86	-13.00	H
9098.25	-51.71	2.20	11.60	-44.46	-13.00	H
9225.50	-51.20	2.10	11.60	-43.85	-13.00	H
9301.25	-51.38	2.00	11.60	-43.93	-13.00	H
9418.25	-51.41	2.10	11.60	-44.06	-13.00	H
9474.25	-51.59	2.10	11.60	-44.24	-13.00	V

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2543.33	-41.58	0.90	10.70	-33.93	-13.00	H
8478.00	-50.74	1.80	11.30	-43.39	-13.00	V
9222.50	-51.13	2.10	11.60	-43.78	-13.00	H
9301.75	-51.05	2.00	11.60	-43.60	-13.00	H
9423.75	-51.79	2.10	11.60	-44.44	-13.00	H
9469.00	-51.41	2.10	11.60	-44.06	-13.00	V

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2473.75	-46.73	0.90	9.80	-39.98	-13.00	H
9224.75	-51.39	2.10	11.60	-44.04	-13.00	H
9303.00	-51.38	2.00	11.60	-43.93	-13.00	H
9430.25	-52.12	2.10	11.60	-44.77	-13.00	H
9475.75	-50.86	2.10	11.60	-43.51	-13.00	V
9740.25	-50.95	2.20	11.20	-44.10	-13.00	H

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2508.33	-46.05	0.90	10.70	-38.40	-13.00	H
9101.00	-51.80	2.20	11.60	-44.55	-13.00	H
9222.00	-51.30	2.10	11.60	-43.95	-13.00	H
9301.50	-50.85	2.00	11.60	-43.40	-13.00	H
9394.25	-51.72	2.10	11.60	-44.37	-13.00	H
9473.00	-51.38	2.10	11.60	-44.03	-13.00	V

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2543.33	-40.17	0.90	10.70	-32.52	-13.00	H
8478.50	-50.11	1.80	11.30	-42.76	-13.00	V
9158.50	-51.89	2.10	11.60	-44.54	-13.00	H
9225.25	-51.21	2.10	11.60	-43.86	-13.00	H
9304.25	-51.20	2.00	11.60	-43.75	-13.00	H
9469.00	-52.10	2.10	11.60	-44.75	-13.00	V

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LTE Band 7, 5MHz, QPSK, Channel 20775

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16988.00	-48.00	2.90	16.50	-34.40	-25.00	H
17126.50	-46.31	2.90	14.50	-34.71	-25.00	H
17364.00	-45.88	3.20	14.50	-34.58	-25.00	H
17462.00	-46.55	2.90	14.50	-34.95	-25.00	H
17614.50	-44.45	3.30	12.80	-34.95	-25.00	H
17835.50	-43.82	3.60	12.80	-34.62	-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
16966.50	-48.72	2.90	16.50	-35.12	-25.00	H
17204.50	-46.74	2.90	14.50	-35.14	-25.00	H
17353.00	-46.55	3.20	14.50	-35.25	-25.00	H
17491.00	-46.22	2.90	14.50	-34.62	-25.00	H
17575.00	-43.87	3.30	12.80	-34.37	-25.00	H
17820.00	-43.73	3.60	12.80	-34.53	-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
16994.50	-48.59	2.90	16.50	-34.99	-25.00	H
17098.50	-46.36	2.90	14.50	-34.76	-25.00	H
17363.50	-45.99	3.20	14.50	-34.69	-25.00	H
17502.50	-44.31	2.90	12.80	-34.41	-25.00	H
17575.50	-44.41	3.30	12.80	-34.91	-25.00	H
17819.00	-43.53	3.60	12.80	-34.33	-25.00	H

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16937.50	-48.26	2.90	16.50	-34.66	-25.00	H
17118.00	-46.82	2.90	14.50	-35.22	-25.00	H
17292.50	-45.87	3.20	14.50	-34.57	-25.00	H
17449.50	-46.39	2.90	14.50	-34.79	-25.00	H
17616.50	-44.54	3.30	12.80	-35.04	-25.00	H
17804.00	-43.80	3.60	12.80	-34.60	-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
16989.00	-48.70	2.90	16.50	-35.10	-25.00	H
17208.50	-46.21	2.90	14.50	-34.61	-25.00	H
17279.50	-45.61	3.20	14.50	-34.31	-25.00	H
17513.00	-44.68	2.90	12.80	-34.78	-25.00	H
17623.50	-44.00	3.30	12.80	-34.50	-25.00	H
17821.00	-44.17	3.60	12.80	-34.97	-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
16870.50	-48.84	2.90	16.50	-35.24	-25.00	H
16963.00	-48.22	2.90	16.50	-34.62	-25.00	H
17276.50	-45.99	3.20	14.50	-34.69	-25.00	H
17456.00	-46.22	2.90	14.50	-34.62	-25.00	H
17602.00	-43.98	3.30	12.80	-34.48	-25.00	H
17839.00	-44.27	3.60	12.80	-35.07	-25.00	H

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16965.00	-48.45	2.90	16.50	-34.85	-25.00	H
17197.00	-46.23	2.90	14.50	-34.63	-25.00	H
17301.50	-46.07	3.20	14.50	-34.77	-25.00	H
17463.00	-46.07	2.90	14.50	-34.47	-25.00	H
17639.00	-44.18	3.30	12.80	-34.68	-25.00	H
17837.50	-44.03	3.60	12.80	-34.83	-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
16957.50	-48.32	2.90	16.50	-34.72	-25.00	H
17147.00	-46.11	2.90	14.50	-34.51	-25.00	H
17285.00	-45.91	3.20	14.50	-34.61	-25.00	H
17504.00	-44.64	2.90	12.80	-34.74	-25.00	H
17528.00	-43.93	2.90	12.80	-34.03	-25.00	H
17819.50	-43.16	3.60	12.80	-33.96	-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
16972.00	-48.81	2.90	16.50	-35.21	-25.00	H
17194.00	-46.61	2.90	14.50	-35.01	-25.00	H
17297.50	-45.88	3.20	14.50	-34.58	-25.00	H
17452.50	-46.33	2.90	14.50	-34.73	-25.00	H
17595.50	-44.49	3.30	12.80	-34.99	-25.00	H
17829.50	-43.96	3.60	12.80	-34.76	-25.00	H

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LTE Band 12, 1.4MHz, QPSK, Channel 23017

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2097.50	-38.29	0.90	9.80	-31.54	-13.00	H
2797.08	-52.08	1.00	10.70	-44.53	-13.00	H
9097.75	-51.10	2.20	11.60	-43.85	-13.00	H
9227.00	-50.52	2.10	11.60	-43.17	-13.00	H
9295.25	-51.46	2.00	11.60	-44.01	-13.00	H
9474.50	-51.54	2.10	11.60	-44.19	-13.00	V

LTE Band 12, 1.4MHz, QPSK, Channel 23095

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2120.83	-34.16	0.90	9.80	-27.41	-13.00	H
2828.33	-50.50	1.00	10.70	-42.95	-13.00	H
9155.75	-51.53	2.10	11.60	-44.18	-13.00	H
9226.25	-50.71	2.10	11.60	-43.36	-13.00	H
9301.00	-51.77	2.00	11.60	-44.32	-13.00	H
9476.25	-51.32	2.10	11.60	-43.97	-13.00	V

LTE Band 12, 1.4MHz, QPSK, Channel 23173

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2144.58	-39.29	0.90	9.80	-32.54	-13.00	H
2859.58	-50.63	1.00	10.70	-43.08	-13.00	H
9224.50	-51.21	2.10	11.60	-43.86	-13.00	H
9307.75	-51.18	2.00	11.60	-43.73	-13.00	H
9426.75	-51.99	2.10	11.60	-44.64	-13.00	H
9474.00	-51.42	2.10	11.60	-44.07	-13.00	V

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2097.50	-37.98	0.90	9.80	-31.23	-13.00	H
9098.25	-51.82	2.20	11.60	-44.57	-13.00	H
9224.50	-51.47	2.10	11.60	-44.12	-13.00	H
9297.25	-50.51	2.00	11.60	-43.06	-13.00	H
9382.00	-52.06	2.00	11.60	-44.61	-13.00	V
9476.75	-51.53	2.10	11.60	-44.18	-13.00	V

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2120.83	-34.00	0.90	9.80	-27.25	-13.00	H
2828.33	-49.93	1.00	10.70	-42.38	-13.00	H
9093.00	-51.11	2.20	11.60	-43.86	-13.00	H
9230.75	-51.09	2.10	11.60	-43.74	-13.00	H
9299.25	-51.29	2.00	11.60	-43.84	-13.00	H
9479.25	-50.84	2.10	11.60	-43.49	-13.00	V

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2144.58	-37.64	0.90	9.80	-30.89	-13.00	H
2859.58	-48.75	1.00	10.70	-41.20	-13.00	H
9101.00	-51.73	2.20	11.60	-44.48	-13.00	H
9225.25	-51.41	2.10	11.60	-44.06	-13.00	H
9299.75	-51.03	2.00	11.60	-43.58	-13.00	H
9362.50	-51.86	2.00	11.60	-44.41	-13.00	V

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2097.50	-40.09	0.90	9.80	-33.34	-13.00	H
7868.25	-51.95	1.70	11.30	-44.50	-13.00	H
9167.00	-51.83	2.10	11.60	-44.48	-13.00	H
9231.25	-51.54	2.10	11.60	-44.19	-13.00	H
9299.75	-51.49	2.00	11.60	-44.04	-13.00	H
9477.25	-51.76	2.10	11.60	-44.41	-13.00	V

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2121.25	-34.53	0.90	9.80	-27.78	-13.00	H
2828.75	-50.18	1.00	10.70	-42.63	-13.00	H
9224.00	-51.57	2.10	11.60	-44.22	-13.00	H
9299.75	-51.39	2.00	11.60	-43.94	-13.00	H
9474.00	-51.73	2.10	11.60	-44.38	-13.00	V
9729.50	-51.28	2.20	11.20	-44.43	-13.00	H

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2145.00	-37.00	0.90	9.80	-30.25	-13.00	H
2859.58	-49.13	1.00	10.70	-41.58	-13.00	H
9102.75	-51.59	2.20	11.60	-44.34	-13.00	H
9220.25	-51.45	2.10	11.60	-44.10	-13.00	H
9304.50	-51.19	2.00	11.60	-43.74	-13.00	H
9474.00	-51.37	2.10	11.60	-44.02	-13.00	V

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LTE Band 13, 5MHz, QPSK, Channel 23205

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
1559.50	-59.41	0.70	8.10	-54.16	-40.00	H
2332.00	-39.11	0.90	9.80	-32.36	-13.00	H
9097.25	-52.04	2.20	11.60	-44.79	-13.00	H
9225.75	-51.09	2.10	11.60	-43.74	-13.00	H
9470.50	-51.72	2.10	11.60	-44.37	-13.00	V
9729.75	-51.05	2.20	11.20	-44.20	-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
1571.50	-60.05	0.70	8.10	-54.80	-40.00	V
2339.50	-39.75	0.90	9.80	-33.00	-13.00	H
9289.38	-50.65	2.10	11.60	-43.30	-13.00	H
9478.62	-51.00	2.10	11.60	-43.65	-13.00	V
9731.00	-51.19	2.20	11.20	-44.34	-13.00	H
9785.62	-50.80	2.30	11.20	-44.05	-13.00	H

LTE Band 13, 5MHz, QPSK, Channel 23255

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
1565.00	-59.22	0.70	8.10	-53.97	-40.00	V
2347.00	-39.55	0.90	9.80	-32.80	-13.00	H
9161.00	-49.40	2.10	11.60	-42.05	-13.00	V
9213.00	-49.60	2.10	11.60	-42.25	-13.00	H
9224.38	-51.02	2.10	11.60	-43.67	-13.00	H
9736.00	-50.64	2.20	11.20	-43.79	-13.00	H

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
1563.00	-59.44	0.70	8.10	-54.19	-40.00	V
2332.00	-40.25	0.90	9.80	-33.50	-13.00	H
9102.75	-51.58	2.20	11.60	-44.33	-13.00	H
9299.62	-50.65	2.00	11.60	-43.20	-13.00	H
9477.88	-50.97	2.10	11.60	-43.62	-13.00	V
9720.62	-51.22	2.20	11.20	-44.37	-13.00	H

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
1559.50	-59.69	0.70	8.10	-54.44	-40.00	H
2339.50	-38.92	0.90	9.80	-32.17	-13.00	H
9095.75	-51.31	2.20	11.60	-44.06	-13.00	H
9218.62	-51.02	2.10	11.60	-43.67	-13.00	H
9476.12	-51.36	2.10	11.60	-44.01	-13.00	V
9719.50	-51.14	2.20	11.20	-44.29	-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
1565.00	-59.50	0.70	8.10	-54.25	-40.00	V
2347.50	-41.38	0.90	9.80	-34.63	-13.00	H
9260.50	-50.45	2.10	11.60	-43.10	-13.00	V
9300.88	-50.75	2.00	11.60	-43.30	-13.00	H
9468.75	-50.82	2.10	11.60	-43.47	-13.00	V
9736.88	-51.32	2.20	11.20	-44.47	-13.00	H

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
1576.50	-59.93	0.70	8.10	-54.68	-40.00	V
2332.00	-39.08	0.90	9.80	-32.33	-13.00	H
9225.00	-50.58	2.10	11.60	-43.23	-13.00	H
9475.75	-51.33	2.10	11.60	-43.98	-13.00	V
9682.12	-51.44	2.20	11.20	-44.59	-13.00	H
9777.75	-51.47	2.30	11.20	-44.72	-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
1559.50	-59.45	0.70	8.10	-54.20	-40.00	V
2339.50	-38.63	0.90	9.80	-31.88	-13.00	H
9300.25	-50.39	2.00	11.60	-42.94	-13.00	H
9474.62	-51.23	2.10	11.60	-43.88	-13.00	V
9735.38	-51.22	2.20	11.20	-44.37	-13.00	H
9797.62	-51.30	2.30	11.20	-44.55	-13.00	H

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
1564.50	-58.99	0.70	8.10	-53.74	-40.00	H
2347.00	-39.76	0.90	9.80	-33.01	-13.00	H
9100.12	-51.82	2.20	11.60	-44.57	-13.00	H
9222.38	-51.16	2.10	11.60	-43.81	-13.00	H
9474.62	-51.41	2.10	11.60	-44.06	-13.00	V
9748.75	-51.02	2.20	11.20	-44.17	-13.00	H

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LTE Band 14, 5MHz, QPSK, Channel 23305

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2365.00	-36.00	0.90	9.80	-29.25	-13.00	H
9102.25	-51.65	2.20	11.60	-44.40	-13.00	H
9224.25	-51.40	2.10	11.60	-44.05	-13.00	H
9301.00	-51.60	2.00	11.60	-44.15	-13.00	H
9423.00	-52.14	2.10	11.60	-44.79	-13.00	H
9477.75	-51.13	2.10	11.60	-43.78	-13.00	V

LTE Band 14, 5MHz, QPSK, Channel 23330

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2372.50	-40.61	0.90	9.80	-33.86	-13.00	H
7911.00	-52.32	1.70	11.30	-44.87	-13.00	H
9149.75	-51.95	2.10	11.60	-44.60	-13.00	H
9225.25	-50.90	2.10	11.60	-43.55	-13.00	H
9307.00	-50.92	2.00	11.60	-43.47	-13.00	H
9473.75	-51.50	2.10	11.60	-44.15	-13.00	V

LTE Band 14, 5MHz, QPSK, Channel 23355

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2380.00	-37.73	0.90	9.80	-30.98	-13.00	H
9098.00	-51.61	2.20	11.60	-44.36	-13.00	H
9225.25	-51.43	2.10	11.60	-44.08	-13.00	H
9295.50	-50.96	2.00	11.60	-43.51	-13.00	H
9367.50	-51.74	2.00	11.60	-44.29	-13.00	V
9473.50	-51.80	2.10	11.60	-44.45	-13.00	V

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LTE Band 14, 5MHz, 16QAM, Channel 23305

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
0.00	#N/A	#N/A	#N/A	-30.24	-13.00	H
9100.25	-51.80	2.20	11.60	-44.55	-13.00	H
9226.00	-50.94	2.10	11.60	-43.59	-13.00	H
9312.00	-50.78	2.00	11.60	-43.33	-13.00	H
9473.00	-51.53	2.10	11.60	-44.18	-13.00	V
9719.00	-51.64	2.20	11.20	-44.79	-13.00	H

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2372.50	-40.19	0.90	9.80	-33.44	-13.00	H
9099.25	-51.62	2.20	11.60	-44.37	-13.00	H
9100.25	-52.11	2.20	11.60	-44.86	-13.00	H
9225.75	-51.01	2.10	11.60	-43.66	-13.00	H
9295.50	-51.04	2.00	11.60	-43.59	-13.00	H
9424.75	-52.22	2.10	11.60	-44.87	-13.00	H

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2380.42	-37.90	0.90	9.80	-31.15	-13.00	H
9156.50	-51.68	2.10	11.60	-44.33	-13.00	H
9226.50	-51.06	2.10	11.60	-43.71	-13.00	H
9300.25	-50.91	2.00	11.60	-43.46	-13.00	H
9429.75	-51.97	2.10	11.60	-44.62	-13.00	H
9465.75	-51.25	2.10	11.60	-43.90	-13.00	V

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2365.42	-36.40	0.90	9.80	-29.65	-13.00	H
8471.75	-51.77	1.80	11.30	-44.42	-13.00	H
9099.75	-50.92	2.20	11.60	-43.67	-13.00	H
9221.25	-51.17	2.10	11.60	-43.82	-13.00	H
9301.50	-51.51	2.00	11.60	-44.06	-13.00	H
9468.25	-51.13	2.10	11.60	-43.78	-13.00	V

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2372.92	-47.73	0.90	9.80	-40.98	-13.00	V
9216.50	-51.29	2.10	11.60	-43.94	-13.00	H
9306.00	-51.06	2.00	11.60	-43.61	-13.00	H
9423.50	-52.08	2.10	11.60	-44.73	-13.00	H
9465.75	-51.83	2.10	11.60	-44.48	-13.00	V
9687.25	-51.42	2.20	11.20	-44.57	-13.00	H

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2380.00	-36.92	0.90	9.80	-30.17	-13.00	H
9099.75	-51.55	2.20	11.60	-44.30	-13.00	H
9225.25	-51.29	2.10	11.60	-43.94	-13.00	H
9302.50	-50.83	2.00	11.60	-43.38	-13.00	H
9424.75	-52.11	2.10	11.60	-44.76	-13.00	H
9463.75	-51.44	2.10	11.60	-44.09	-13.00	V

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LTE Band 25, 1.4MHz, QPSK, Channel 26047

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16982.00	-44.26	2.90	16.50	-30.66	-13.00	H
17094.00	-43.31	2.90	14.50	-31.71	-13.00	H
17275.50	-42.38	3.20	14.50	-31.08	-13.00	H
17463.00	-41.03	2.90	14.50	-29.43	-13.00	H
17618.50	-39.11	3.30	12.80	-29.61	-13.00	H
17840.00	-39.25	3.60	12.80	-30.05	-13.00	H

LTE Band 25, 1.4MHz, QPSK, Channel 26365

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16981.50	-44.79	2.90	16.50	-31.19	-13.00	H
17110.50	-43.64	2.90	14.50	-32.04	-13.00	H
17360.50	-42.83	3.20	14.50	-31.53	-13.00	H
17515.00	-39.51	2.90	12.80	-29.61	-13.00	H
17591.50	-38.87	3.30	12.80	-29.37	-13.00	H
17708.00	-39.84	3.30	12.80	-30.34	-13.00	H

LTE Band 25, 1.4MHz, QPSK, Channel 26683

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16949.00	-45.20	2.90	16.50	-31.60	-13.00	H
17178.50	-43.42	2.90	14.50	-31.82	-13.00	H
17221.00	-42.83	3.20	14.50	-31.53	-13.00	H
17503.00	-39.50	2.90	12.80	-29.60	-13.00	H
17525.50	-39.74	2.90	12.80	-29.84	-13.00	H
17835.50	-39.96	3.60	12.80	-30.76	-13.00	H

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16982.50	-44.74	2.90	16.50	-31.14	-13.00	H
17087.50	-43.39	2.90	14.50	-31.79	-13.00	H
17282.50	-42.58	3.20	14.50	-31.28	-13.00	H
17459.00	-41.42	2.90	14.50	-29.82	-13.00	H
17585.50	-39.46	3.30	12.80	-29.96	-13.00	H
17772.00	-39.50	3.60	12.80	-30.30	-13.00	H

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16487.00	-46.32	2.70	17.40	-31.62	-13.00	H
16998.00	-44.82	2.90	16.50	-31.22	-13.00	H
17237.50	-42.98	3.20	14.50	-31.68	-13.00	H
17519.50	-39.20	2.90	12.80	-29.30	-13.00	H
17591.50	-38.58	3.30	12.80	-29.08	-13.00	H
17794.00	-39.00	3.60	12.80	-29.80	-13.00	H

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16993.50	-44.76	2.90	16.50	-31.16	-13.00	H
17213.50	-42.59	2.90	14.50	-30.99	-13.00	H
17311.50	-42.90	3.20	14.50	-31.60	-13.00	H
17510.50	-39.68	2.90	12.80	-29.78	-13.00	H
17606.00	-39.82	3.30	12.80	-30.32	-13.00	H
17804.50	-39.85	3.60	12.80	-30.65	-13.00	H

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16966.00	-44.73	2.90	16.50	-31.13	-13.00	H
17158.00	-43.60	2.90	14.50	-32.00	-13.00	H
17227.50	-42.63	3.20	14.50	-31.33	-13.00	H
17443.50	-40.57	2.90	14.50	-28.97	-13.00	H
17591.00	-39.17	3.30	12.80	-29.67	-13.00	H
17826.50	-39.65	3.60	12.80	-30.45	-13.00	H

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16986.00	-44.37	2.90	16.50	-30.77	-13.00	H
17195.50	-43.88	2.90	14.50	-32.28	-13.00	H
17277.00	-42.60	3.20	14.50	-31.30	-13.00	H
17500.50	-39.69	2.90	12.80	-29.79	-13.00	H
17615.50	-39.40	3.30	12.80	-29.90	-13.00	H
17832.50	-39.78	3.60	12.80	-30.58	-13.00	H

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16963.00	-44.62	2.90	16.50	-31.02	-13.00	H
17121.00	-43.28	2.90	14.50	-31.68	-13.00	H
17366.00	-43.13	3.20	14.50	-31.83	-13.00	H
17445.00	-42.13	2.90	14.50	-30.53	-13.00	H
17620.50	-38.18	3.30	12.80	-28.68	-13.00	H
17838.50	-40.35	3.60	12.80	-31.15	-13.00	H

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2472.92	-45.74	0.90	9.80	-38.99	-13.00	H
9103.75	-52.14	2.20	11.60	-44.89	-13.00	H
9224.50	-51.17	2.10	11.60	-43.82	-13.00	H
9305.50	-49.92	2.00	11.60	-42.47	-13.00	H
9423.00	-51.47	2.10	11.60	-44.12	-13.00	H
9474.00	-51.65	2.10	11.60	-44.30	-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
2507.92	-47.69	0.90	10.70	-40.04	-13.00	H
8439.75	-52.25	1.80	11.30	-44.90	-13.00	H
9224.50	-50.98	2.10	11.60	-43.63	-13.00	H
9300.75	-51.39	2.00	11.60	-43.94	-13.00	H
9422.75	-51.89	2.10	11.60	-44.54	-13.00	H
9474.50	-51.69	2.10	11.60	-44.34	-13.00	V

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2543.75	-44.75	0.90	10.70	-37.10	-13.00	H
8424.50	-52.01	1.80	11.30	-44.66	-13.00	H
9123.25	-51.88	2.10	11.60	-44.53	-13.00	V
9231.00	-51.05	2.10	11.60	-43.70	-13.00	H
9295.25	-51.48	2.00	11.60	-44.03	-13.00	H
9420.25	-51.85	2.10	11.60	-44.50	-13.00	H

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2472.92	-44.18	0.90	9.80	-37.43	-13.00	H
8476.00	-52.01	1.80	11.30	-44.66	-13.00	H
9225.00	-51.66	2.10	11.60	-44.31	-13.00	H
9301.50	-50.98	2.00	11.60	-43.53	-13.00	H
9474.75	-51.40	2.10	11.60	-44.05	-13.00	V
9726.00	-51.33	2.20	11.20	-44.48	-13.00	H

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2508.33	-48.12	0.90	10.70	-40.47	-13.00	H
9093.00	-51.62	2.20	11.60	-44.37	-13.00	H
9237.75	-51.40	2.10	11.60	-44.05	-13.00	H
9299.50	-51.39	2.00	11.60	-43.94	-13.00	H
9432.75	-51.45	2.10	11.60	-44.10	-13.00	H
9472.50	-51.77	2.10	11.60	-44.42	-13.00	V

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2543.75	-45.36	0.90	10.70	-37.71	-13.00	H
9125.75	-51.55	2.10	11.60	-44.20	-13.00	V
9225.50	-51.21	2.10	11.60	-43.86	-13.00	H
9309.00	-50.98	2.00	11.60	-43.53	-13.00	H
9427.50	-51.99	2.10	11.60	-44.64	-13.00	H
9474.50	-51.76	2.10	11.60	-44.41	-13.00	V

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2472.92	-44.91	0.90	9.80	-38.16	-13.00	H
7315.75	-52.73	1.90	12.00	-44.78	-13.00	H
9224.50	-51.67	2.10	11.60	-44.32	-13.00	H
9301.00	-51.17	2.00	11.60	-43.72	-13.00	H
9475.25	-51.79	2.10	11.60	-44.44	-13.00	V
9729.75	-51.16	2.20	11.20	-44.31	-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
2507.92	-48.60	0.90	10.70	-40.95	-13.00	H
9175.00	-52.39	2.10	11.60	-45.04	-13.00	V
9225.50	-51.28	2.10	11.60	-43.93	-13.00	H
9299.75	-50.62	2.00	11.60	-43.17	-13.00	H
9474.25	-51.79	2.10	11.60	-44.44	-13.00	V
9764.00	-51.05	2.30	11.20	-44.30	-13.00	H

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2543.75	-44.98	0.90	10.70	-37.33	-13.00	H
9162.00	-52.22	2.10	11.60	-44.87	-13.00	H
9227.75	-50.14	2.10	11.60	-42.79	-13.00	H
9300.75	-51.09	2.00	11.60	-43.64	-13.00	H
9421.75	-52.00	2.10	11.60	-44.65	-13.00	H
9475.50	-51.42	2.10	11.60	-44.07	-13.00	V

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2442.92	-42.26	0.90	9.80	-35.51	-13.00	V
9224.75	-50.72	2.10	11.60	-43.37	-13.00	H
9293.00	-50.86	2.00	11.60	-43.41	-13.00	H
9416.75	-52.39	2.10	11.60	-45.04	-13.00	H
9471.25	-51.13	2.10	11.60	-43.78	-13.00	V
9756.50	-51.38	2.20	11.20	-44.53	-13.00	H

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2455.83	-42.81	0.90	9.80	-36.06	-13.00	H
9100.25	-50.84	2.20	11.60	-43.59	-13.00	H
9226.25	-51.29	2.10	11.60	-43.94	-13.00	H
9304.75	-51.40	2.00	11.60	-43.95	-13.00	H
9374.25	-51.96	2.00	11.60	-44.51	-13.00	V
9474.25	-51.31	2.10	11.60	-43.96	-13.00	V

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2468.75	-45.36	0.90	9.80	-38.61	-13.00	H
7193.50	-53.17	1.80	12.00	-45.12	-13.00	V
9102.00	-51.98	2.20	11.60	-44.73	-13.00	H
9227.75	-51.56	2.10	11.60	-44.21	-13.00	H
9302.00	-51.54	2.00	11.60	-44.09	-13.00	H
9474.25	-51.51	2.10	11.60	-44.16	-13.00	V

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2442.92	-43.53	0.90	9.80	-36.78	-13.00	H
8422.00	-51.59	1.80	11.30	-44.24	-13.00	H
9221.75	-50.94	2.10	11.60	-43.59	-13.00	H
9300.00	-51.26	2.00	11.60	-43.81	-13.00	H
9424.50	-51.25	2.10	11.60	-43.90	-13.00	H
9473.75	-51.55	2.10	11.60	-44.20	-13.00	V

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2455.42	-43.27	0.90	9.80	-36.52	-13.00	H
8425.75	-51.76	1.80	11.30	-44.41	-13.00	H
9150.50	-51.92	2.10	11.60	-44.57	-13.00	H
9226.50	-50.66	2.10	11.60	-43.31	-13.00	H
9309.50	-51.59	2.00	11.60	-44.14	-13.00	H
9470.50	-51.07	2.10	11.60	-43.72	-13.00	V

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2468.75	-43.34	0.90	9.80	-36.59	-13.00	H
7182.50	-52.68	1.80	12.00	-44.63	-13.00	H
9161.00	-51.93	2.10	11.60	-44.58	-13.00	V
9223.25	-51.91	2.10	11.60	-44.56	-13.00	H
9299.50	-51.05	2.00	11.60	-43.60	-13.00	H
9473.25	-51.15	2.10	11.60	-43.80	-13.00	V

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2442.50	-45.00	0.90	9.80	-38.25	-13.00	H
9099.00	-51.68	2.20	11.60	-44.43	-13.00	H
9221.75	-51.06	2.10	11.60	-43.71	-13.00	H
9301.00	-51.71	2.00	11.60	-44.26	-13.00	H
9369.00	-51.93	2.00	11.60	-44.48	-13.00	V
9474.00	-51.21	2.10	11.60	-43.86	-13.00	V

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2455.83	-43.72	0.90	9.80	-36.97	-13.00	V
8407.25	-51.83	1.80	11.30	-44.48	-13.00	H
9099.50	-50.64	2.20	11.60	-43.39	-13.00	H
9231.75	-51.22	2.10	11.60	-43.87	-13.00	H
9302.50	-50.45	2.00	11.60	-43.00	-13.00	H
9425.25	-50.79	2.10	11.60	-43.44	-13.00	H

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2468.75	-44.16	0.90	9.80	-37.41	-13.00	H
9093.25	-51.65	2.20	11.60	-44.40	-13.00	H
9100.00	-51.59	2.20	11.60	-44.34	-13.00	H
9226.00	-51.66	2.10	11.60	-44.31	-13.00	H
9300.50	-50.96	2.00	11.60	-43.51	-13.00	H
9469.00	-51.25	2.10	11.60	-43.90	-13.00	V

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LTE Band 30, 5MHz, QPSK, Channel 27685

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
16963.12	-70.28	2.90	16.50	-58.83	-40.00	H
17138.75	-68.27	2.90	14.50	-58.82	-40.00	H
17340.62	-67.54	3.20	14.50	-58.39	-40.00	H
17523.75	-66.05	2.90	12.80	-58.30	-40.00	H
17529.38	-66.66	2.90	12.80	-58.91	-40.00	H
17831.25	-65.07	3.60	12.80	-58.02	-40.00	H

LTE Band 30, 5MHz, QPSK, Channel 27710

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
16995.62	-70.33	2.90	16.50	-58.88	-40.00	H
17122.50	-67.66	2.90	14.50	-58.21	-40.00	H
17255.62	-67.87	3.20	14.50	-58.72	-40.00	H
17508.12	-66.45	2.90	12.80	-58.70	-40.00	H
17540.62	-66.39	2.90	12.80	-58.64	-40.00	H
17828.12	-65.77	3.60	12.80	-58.72	-40.00	H

LTE Band 30, 5MHz, QPSK, Channel 27735

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
16932.50	-70.30	2.90	16.50	-58.85	-40.00	H
17120.62	-67.53	2.90	14.50	-58.08	-40.00	H
17294.38	-67.85	3.20	14.50	-58.70	-40.00	H
17505.00	-66.25	2.90	12.80	-58.50	-40.00	H
17553.12	-66.40	2.90	12.80	-58.65	-40.00	H
17825.00	-65.81	3.60	12.80	-58.76	-40.00	H

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
16985.00	-69.59	2.90	16.50	-58.14	-40.00	H
17100.00	-68.32	2.90	14.50	-58.87	-40.00	H
17294.38	-67.98	3.20	14.50	-58.83	-40.00	H
17455.62	-68.31	2.90	14.50	-58.86	-40.00	H
17527.50	-65.87	2.90	12.80	-58.12	-40.00	H
17834.38	-65.36	3.60	12.80	-58.31	-40.00	H

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
16938.75	-70.48	2.90	16.50	-59.03	-40.00	H
17130.00	-67.97	2.90	14.50	-58.52	-40.00	H
17306.25	-67.91	3.20	14.50	-58.76	-40.00	H
17509.38	-66.41	2.90	12.80	-58.66	-40.00	H
17588.75	-65.87	3.30	12.80	-58.52	-40.00	H
17775.62	-66.13	3.60	12.80	-59.08	-40.00	H

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
16941.88	-69.91	2.90	16.50	-58.46	-40.00	H
17120.00	-67.89	2.90	14.50	-58.44	-40.00	H
17292.50	-67.38	3.20	14.50	-58.23	-40.00	H
17513.75	-66.61	2.90	12.80	-58.86	-40.00	H
17618.12	-66.33	3.30	12.80	-58.98	-40.00	H
17831.88	-65.83	3.60	12.80	-58.78	-40.00	H

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
16966.88	-64.43	2.90	16.50	-52.98	-40.00	H
17129.38	-64.30	2.90	14.50	-54.85	-40.00	H
17338.12	-63.36	3.20	14.50	-54.21	-40.00	H
17456.88	-62.53	2.90	14.50	-53.08	-40.00	H
17531.88	-59.99	2.90	12.80	-52.24	-40.00	H
17779.38	-60.46	3.60	12.80	-53.41	-40.00	H

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
16477.50	-67.55	2.70	17.40	-55.00	-40.00	H
16947.50	-66.07	2.90	16.50	-54.62	-40.00	H
17240.00	-63.51	3.20	14.50	-54.36	-40.00	H
17508.12	-61.11	2.90	12.80	-53.36	-40.00	H
17590.00	-59.91	3.30	12.80	-52.56	-40.00	H
17825.62	-60.39	3.60	12.80	-53.34	-40.00	H

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
16966.88	-65.36	2.90	16.50	-53.91	-40.00	H
17184.38	-64.41	2.90	14.50	-54.96	-40.00	H
17301.25	-63.44	3.20	14.50	-54.29	-40.00	H
17523.12	-60.68	2.90	12.80	-52.93	-40.00	H
17640.62	-59.96	3.30	12.80	-52.61	-40.00	H
17835.62	-60.44	3.60	12.80	-53.39	-40.00	H

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LTE Band 41, 5MHz, QPSK, Channel 39675

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16991.86	-48.37	2.90	16.50	-34.77	-25.00	H
17204.00	-46.69	2.90	14.50	-35.09	-25.00	H
17236.50	-45.28	3.20	14.50	-33.98	-25.00	H
17459.50	-46.88	2.90	14.50	-35.28	-25.00	H
17609.50	-44.24	3.30	12.80	-34.74	-25.00	H
17753.50	-44.12	3.60	12.80	-34.92	-25.00	H

LTE Band 41, 5MHz, QPSK, Channel 40620

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16985.50	-48.38	2.90	16.50	-34.78	-25.00	H
17115.00	-45.98	2.90	14.50	-34.38	-25.00	H
17274.50	-45.65	3.20	14.50	-34.35	-25.00	H
17460.50	-45.71	2.90	14.50	-34.11	-25.00	H
17613.00	-44.22	3.30	12.80	-34.72	-25.00	H
17837.00	-43.93	3.60	12.80	-34.73	-25.00	H

LTE Band 41, 5MHz, QPSK, Channel 41565

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16936.50	-48.37	2.90	16.50	-34.77	-25.00	H
17182.50	-46.25	2.90	14.50	-34.65	-25.00	H
17295.00	-45.83	3.20	14.50	-34.53	-25.00	H
17497.50	-45.91	2.90	14.50	-34.31	-25.00	H
17575.00	-44.26	3.30	12.80	-34.76	-25.00	H
17776.00	-44.26	3.60	12.80	-35.06	-25.00	H

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16993.33	-47.89	2.90	16.50	-34.29	-25.00	H
16997.50	-48.02	2.90	16.50	-34.42	-25.00	H
17301.50	-45.86	3.20	14.50	-34.56	-25.00	H
17502.00	-44.76	2.90	12.80	-34.86	-25.00	H
17618.00	-44.43	3.30	12.80	-34.93	-25.00	H
17840.00	-43.45	3.60	12.80	-34.25	-25.00	H

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16976.50	-48.07	2.90	16.50	-34.47	-25.00	H
17118.00	-46.32	2.90	14.50	-34.72	-25.00	H
17275.50	-46.00	3.20	14.50	-34.70	-25.00	H
17523.00	-44.26	2.90	12.80	-34.36	-25.00	H
17534.00	-44.16	2.90	12.80	-34.26	-25.00	H
17831.00	-44.33	3.60	12.80	-35.13	-25.00	H

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16996.00	-48.86	2.90	16.50	-35.26	-25.00	H
17182.50	-46.08	2.90	14.50	-34.48	-25.00	H
17279.50	-46.54	3.20	14.50	-35.24	-25.00	H
17433.00	-46.37	2.90	14.50	-34.77	-25.00	H
17603.00	-44.02	3.30	12.80	-34.52	-25.00	H
17685.00	-44.08	3.30	12.80	-34.58	-25.00	H

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16990.86	-48.48	2.90	16.50	-34.88	-25.00	H
16980.00	-48.67	2.90	16.50	-35.07	-25.00	H
17248.50	-45.66	3.20	14.50	-34.36	-25.00	H
17501.00	-44.20	2.90	12.80	-34.30	-25.00	H
17530.00	-44.43	2.90	12.80	-34.53	-25.00	H
17837.50	-43.46	3.60	12.80	-34.26	-25.00	H

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16932.50	-47.91	2.90	16.50	-34.31	-25.00	H
17159.50	-46.37	2.90	14.50	-34.77	-25.00	H
17365.50	-45.68	3.20	14.50	-34.38	-25.00	H
17409.50	-46.41	2.90	14.50	-34.81	-25.00	H
17593.50	-44.66	3.30	12.80	-35.16	-25.00	H
17774.00	-43.51	3.60	12.80	-34.31	-25.00	H

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16942.00	-48.67	2.90	16.50	-35.07	-25.00	H
17119.50	-45.99	2.90	14.50	-34.39	-25.00	H
17366.50	-45.93	3.20	14.50	-34.63	-25.00	H
17435.00	-46.29	2.90	14.50	-34.69	-25.00	H
17634.00	-44.56	3.30	12.80	-35.06	-25.00	H
17832.00	-43.82	3.60	12.80	-34.62	-25.00	H

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LTE Band 66, 1.4MHz, QPSK, Channel 131979

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16948.50	-44.50	2.90	16.50	-30.90	-13.00	H
17170.00	-43.33	2.90	14.50	-31.73	-13.00	H
17232.00	-42.23	3.20	14.50	-30.93	-13.00	H
17429.50	-41.38	2.90	14.50	-29.78	-13.00	H
17606.50	-39.39	3.30	12.80	-29.89	-13.00	H
17779.00	-38.72	3.60	12.80	-29.52	-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
17007.50	-42.01	2.90	14.50	-30.41	-13.00	H
17210.00	-41.24	2.90	14.50	-29.64	-13.00	H
17297.50	-42.41	3.20	14.50	-31.11	-13.00	H
17443.50	-41.50	2.90	14.50	-29.90	-13.00	H
17589.00	-39.10	3.30	12.80	-29.60	-13.00	H
17707.00	-40.36	3.30	12.80	-30.86	-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
16958.50	-45.03	2.90	16.50	-31.43	-13.00	H
17179.50	-42.88	2.90	14.50	-31.28	-13.00	H
17367.00	-42.49	3.20	14.50	-31.19	-13.00	H
17518.50	-40.17	2.90	12.80	-30.27	-13.00	H
17632.00	-39.33	3.30	12.80	-29.83	-13.00	H
17828.00	-39.31	3.60	12.80	-30.11	-13.00	H

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16997.50	-44.52	2.90	16.50	-30.92	-13.00	H
17171.50	-43.52	2.90	14.50	-31.92	-13.00	H
17305.50	-43.13	3.20	14.50	-31.83	-13.00	H
17506.50	-40.16	2.90	12.80	-30.26	-13.00	H
17615.00	-39.77	3.30	12.80	-30.27	-13.00	H
17756.50	-40.08	3.60	12.80	-30.88	-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
16949.00	-44.56	2.90	16.50	-30.96	-13.00	H
17130.00	-43.52	2.90	14.50	-31.92	-13.00	H
17297.00	-42.82	3.20	14.50	-31.52	-13.00	H
17454.00	-41.30	2.90	14.50	-29.70	-13.00	H
17526.50	-39.18	2.90	12.80	-29.28	-13.00	H
17838.50	-38.48	3.60	12.80	-29.28	-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
16988.50	-44.46	2.90	16.50	-30.86	-13.00	H
17205.00	-43.45	2.90	14.50	-31.85	-13.00	H
17293.00	-41.93	3.20	14.50	-30.63	-13.00	H
17507.00	-40.03	2.90	12.80	-30.13	-13.00	H
17625.50	-39.56	3.30	12.80	-30.06	-13.00	H
17822.00	-39.72	3.60	12.80	-30.52	-13.00	H

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16961.00	-44.51	2.90	16.50	-30.91	-13.00	H
17175.50	-43.29	2.90	14.50	-31.69	-13.00	H
17299.00	-42.68	3.20	14.50	-31.38	-13.00	H
17488.00	-41.05	2.90	14.50	-29.45	-13.00	H
17575.00	-39.77	3.30	12.80	-30.27	-13.00	H
17838.00	-38.64	3.60	12.80	-29.44	-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
16943.00	-44.99	2.90	16.50	-31.39	-13.00	H
17112.00	-42.82	2.90	14.50	-31.22	-13.00	H
17252.50	-42.44	3.20	14.50	-31.14	-13.00	H
17524.00	-39.84	2.90	12.80	-29.94	-13.00	H
17568.00	-39.24	3.30	12.80	-29.74	-13.00	H
17803.50	-39.98	3.60	12.80	-30.78	-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
16491.50	-46.35	2.70	17.40	-31.65	-13.00	H
17190.00	-42.44	2.90	14.50	-30.84	-13.00	H
17353.50	-42.65	3.20	14.50	-31.35	-13.00	H
17515.00	-39.87	2.90	12.80	-29.97	-13.00	H
17618.00	-39.56	3.30	12.80	-30.06	-13.00	H
17831.50	-39.57	3.60	12.80	-30.37	-13.00	H

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LTE Band 71, 5MHz, QPSK, Channel 133147

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
1990.00	-46.59	0.80	8.10	-41.44	-13.00	V
9104.00	-51.53	2.20	11.60	-44.28	-13.00	H
9224.50	-50.43	2.10	11.60	-43.08	-13.00	H
9305.50	-50.37	2.00	11.60	-42.92	-13.00	H
9421.00	-51.01	2.10	11.60	-43.66	-13.00	H
9475.25	-50.74	2.10	11.60	-43.39	-13.00	V

LTE Band 71, 5MHz, QPSK, Channel 133297

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2035.00	-45.46	0.80	9.80	-38.61	-13.00	H
9229.00	-51.39	2.10	11.60	-44.04	-13.00	H
9301.50	-51.39	2.00	11.60	-43.94	-13.00	H
9421.00	-51.98	2.10	11.60	-44.63	-13.00	H
9482.00	-51.87	2.10	11.60	-44.52	-13.00	V
9668.25	-51.53	2.20	11.20	-44.68	-13.00	H

LTE Band 71, 5MHz, QPSK, Channel 133447

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2080.00	-43.41	0.80	9.80	-36.56	-13.00	H
8527.75	-52.55	2.10	12.00	-44.80	-13.00	H
9166.00	-51.90	2.10	11.60	-44.55	-13.00	H
9223.00	-50.84	2.10	11.60	-43.49	-13.00	H
9297.50	-51.44	2.00	11.60	-43.99	-13.00	H
9425.75	-52.03	2.10	11.60	-44.68	-13.00	H

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
1990.00	-43.00	0.80	8.10	-37.85	-13.00	H
9089.75	-51.82	2.20	11.60	-44.57	-13.00	H
9156.75	-51.62	2.10	11.60	-44.27	-13.00	H
9224.75	-51.36	2.10	11.60	-44.01	-13.00	H
9302.25	-50.92	2.00	11.60	-43.47	-13.00	H
9477.00	-51.43	2.10	11.60	-44.08	-13.00	V

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2035.00	-46.74	0.80	9.80	-39.89	-13.00	H
9102.50	-51.24	2.20	11.60	-43.99	-13.00	H
9224.25	-50.79	2.10	11.60	-43.44	-13.00	H
9299.75	-51.82	2.00	11.60	-44.37	-13.00	H
9426.25	-51.97	2.10	11.60	-44.62	-13.00	H
9480.00	-51.75	2.10	11.60	-44.40	-13.00	V

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2080.00	-42.86	0.80	9.80	-36.01	-13.00	H
9086.75	-51.74	2.20	11.60	-44.49	-13.00	H
9101.25	-52.06	2.20	11.60	-44.81	-13.00	H
9226.25	-50.50	2.10	11.60	-43.15	-13.00	H
9300.50	-49.96	2.00	11.60	-42.51	-13.00	H
9423.25	-51.62	2.10	11.60	-44.27	-13.00	H

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
1990.00	-41.44	0.80	8.10	-36.29	-13.00	H
9098.75	-52.05	2.20	11.60	-44.80	-13.00	H
9232.25	-51.85	2.10	11.60	-44.50	-13.00	H
9300.00	-51.38	2.00	11.60	-43.93	-13.00	H
9426.25	-51.89	2.10	11.60	-44.54	-13.00	H
9471.00	-51.77	2.10	11.60	-44.42	-13.00	V

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2035.00	-47.37	0.80	9.80	-40.52	-13.00	H
9098.75	-51.56	2.20	11.60	-44.31	-13.00	H
9223.50	-51.59	2.10	11.60	-44.24	-13.00	H
9299.50	-50.76	2.00	11.60	-43.31	-13.00	H
9421.50	-52.11	2.10	11.60	-44.76	-13.00	H
9474.50	-51.16	2.10	11.60	-43.81	-13.00	V

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2080.00	-41.20	0.80	9.80	-34.35	-13.00	H
9148.75	-51.92	2.10	11.60	-44.57	-13.00	H
9229.00	-51.49	2.10	11.60	-44.14	-13.00	H
9300.75	-51.01	2.00	11.60	-43.56	-13.00	H
9474.50	-51.76	2.10	11.60	-44.41	-13.00	V
9678.75	-51.34	2.20	11.20	-44.49	-13.00	H

Note: The maximum value of expanded measurement uncertainty for this test item is U = 2.82dB(30MHz-3GHz)/3.06dB(3GHz-18GHz)/2.40dB(18GHz-40GHz), k = 2

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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℃.
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℃ increments from -30℃ to +50℃. 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℃.
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℃ increments from +50℃ to -30℃. Allow at least 1.5 hours at each temperature, unpowered, before making measurements.
9. At all temperature levels hold the temperature to +/- 0.5℃ during the measurement procedure.

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.

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A.3.2 Measurement results

LTE Band 2, 20MHz bandwidth (worst case of all bandwidths)

Frequency Error vs Temperature

Temperature(℃)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	7.2	1850.760	1909.220		
50				-0.07	0.0000
40				-0.72	0.0004
30				-1.03	0.0005
10				-0.16	0.0001
0				-0.96	0.0005
-10				-0.53	0.0003
-20				-0.29	0.0002
-30				0.00	0.0000

Frequency Error vs Voltage

Voltage(V)	Temperature(℃)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
6.8	20	1850.760	1909.220	0.33	0.0002
8.0				-0.24	0.0001

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

LTE Band 4, 20MHz bandwidth (worst case of all bandwidths)

Frequency Error vs Temperature

Temperature(℃)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
50	7.2	1710.780	1754.220		
40				0.87	0.0005
30				-0.33	0.0002
20				0.26	0.0001
10				0.39	0.0002
0				-0.46	0.0003
-10				0.13	0.0001
-20				-0.62	0.0004
-30				-0.30	0.0002

Frequency Error vs Voltage

Voltage(V)	Temperature(℃)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
6.8	20	1710.780	1754.220	-0.13	0.0001
8.0				-0.52	0.0003

panded measurement uncertainty is 10Hz, *k* = 2

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LTE Band 5, 10MHz bandwidth (worst case of all bandwidths)

Frequency Error vs Temperature

Temperature(℃)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
50	7.2	824.350	848.620		
40				-0.50	0.0006
30				-0.02	0.0000
20				-0.92	0.0011
10				-0.99	0.0012
0				-1.30	0.0016
-10				-0.82	0.0010
-20				-0.62	0.0007
-30				0.13	0.0002

Frequency Error vs Voltage

Voltage(V)	Temperature(℃)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
6.8	20	824.350	848.620	-0.77	0.0009
8.0				-1.36	0.0016

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

LTE Band 7, 20MHz bandwidth (worst case of all bandwidths)

Frequency Error vs Temperature

Temperature(℃)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	7.2	2500.340	2569.500		
50				0.26	0.0001
40				0.13	0.0001
30				0.44	0.0002
10				1.34	0.0005
0				0.86	0.0003
-10				0.04	0.0000
-20				1.17	0.0005
-30				1.09	0.0004

Frequency Error vs Voltage

Voltage(V)	Temperature(℃)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
6.8	20	2500.340	2569.500	0.82	0.0003
8.0				0.87	0.0003

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

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LTE Band 12, 10MHz bandwidth (worst case of all bandwidths)

Frequency Error vs Temperature

Temperature(℃)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	7.2	699.430	715.540		
50				0.40	0.0006
40				-0.09	0.0001
30				0.09	0.0001
10				-0.42	0.0006
0				-0.32	0.0004
-10				0.09	0.0001
-20				1.22	0.0017
-30				0.33	0.0005

Frequency Error vs Voltage

Voltage(V)	Temperature(℃)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
6.8	20	699.430	715.540	-0.03	0.0000
8.0				-0.36	0.0005

Expanded measurement uncertainty is 10Hz, k = 2

LTE Band 13, 10MHz bandwidth (worst case of all bandwidths)

Frequency Error vs Temperature

Temperature(℃)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	7.2	777.463	786.540		
50				-0.16	0.0002
40				0.09	0.0001
30				-0.16	0.0002
10				-0.64	0.0008
0				-0.44	0.0006
-10				-0.79	0.0010
-20				-1.40	0.0018
-30				-0.96	0.0012

Frequency Error vs Voltage

Voltage(V)	Temperature(℃)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
6.8	20	777.463	786.540	-1.34	0.0017
8.0				-0.07	0.0001

Expanded measurement uncertainty is 10Hz, k = 2

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LTE Band 14, 10MHz bandwidth (worst case of all bandwidths)

Frequency Error vs Temperature

Temperature(℃)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
50	7.2	788.440	797.550		
40				0.50	0.0006
30				0.42	0.0005
20				1.02	0.0013
10				-0.09	0.0001
0				-0.07	0.0001
-10				-0.17	0.0002
-20				-0.34	0.0004
-30				-0.11	0.0001

Frequency Error vs Voltage

Voltage(V)	Temperature(℃)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
6.8	20	788.440	797.550	0.02	0.0000
8.0				-0.03	0.0000

Expanded measurement uncertainty is 10Hz, k = 2

LTE Band 17, 10MHz bandwidth (worst case of all bandwidths)

Frequency Error vs Temperature

Temperature(℃)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
50	7.2	704.340	715.640		
40				0.99	0.0014
30				1.06	0.0015
20				1.07	0.0015
10				0.93	0.0013
0				1.35	0.0019
-10				0.66	0.0009
-20				0.37	0.0005
-30				0.43	0.0006

Frequency Error vs Voltage

Voltage(V)	Temperature(℃)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
6.8	20	704.340	715.640	0.49	0.0007
8.0				0.16	0.0002

Expanded measurement uncertainty is 10Hz, k = 2

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LTE Band 25, 20MHz bandwidth (worst case of all bandwidths)

Frequency Error vs Temperature

Temperature(℃)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
50	7.2	1850.790	1914.200		
40				0.19	0.0001
30				0.36	0.0002
20				-0.72	0.0004
10				-0.73	0.0004
0				-0.53	0.0003
-10				-1.26	0.0007
-20				0.24	0.0001
-30				-0.82	0.0004

Frequency Error vs Voltage

Voltage(V)	Temperature(℃)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
6.8	20	1850.790	1914.200	-0.39	0.0002
8.0				0.04	0.0000

Expanded measurement uncertainty is 10Hz, k = 2

LTE Band 26(814MHz-824MHz), 15MHz bandwidth (worst case of all bandwidths)

Frequency Error vs Temperature

Temperature(℃)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	7.2	824.490	848.470		
50				0.33	0.0004
40				0.07	0.0001
30				-0.19	0.0002
10				0.29	0.0003
0				0.39	0.0005
-10				0.26	0.0003
-20				0.13	0.0002
-30				-0.03	0.0000

Frequency Error vs Voltage

Voltage(V)	Temperature(℃)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
6.8	20	824.490	848.470	0.03	0.0000
8.0				0.07	0.0001

Expanded measurement uncertainty is 10Hz, k = 2

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LTE band 26(824MHz-849MHz), 10MHz bandwidth (worst case of all bandwidths)

Frequency Error vs Temperature

Temperature(℃)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	7.2	814.350	823.630		
50				0.11	0.0001
40				-0.22	0.0003
30				-0.36	0.0004
10				-0.09	0.0001
0				-0.34	0.0004
-10				-0.03	0.0000
-20				-0.67	0.0008
-30				-0.53	0.0006

Frequency Error vs Voltage

Voltage(V)	Temperature(℃)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
6.8	20	814.350	823.630	-0.49	0.0006
8.0				-0.43	0.0005

Expanded measurement uncertainty is 10Hz, k = 2

LTE Band 30, 10MHz bandwidth (worst case of all bandwidths)

Frequency Error vs Temperature

Temperature(℃)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
50	7.2	2305.360	2314.620		
40				0.97	0.0004
30				0.70	0.0003
20				0.37	0.0002
10				-0.70	0.0003
0				-0.17	0.0001
-10				0.07	0.0000
-20				0.33	0.0001
-30				-0.19	0.0001

Frequency Error vs Voltage

Voltage(V)	Temperature(℃)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
6.8	20	2305.360	2314.620	-0.30	0.0001
8.0				-0.03	0.0000

Expanded measurement uncertainty is 10Hz, k = 2

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LTE Band 38, 20MHz bandwidth (worst case of all bandwidths)

Frequency Error vs Temperature

Temperature(℃)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	7.2	2570.540	2619.420		
50				0.54	0.0002
40				-0.07	0.0000
30				-0.77	0.0003
10				0.47	0.0002
0				-1.45	0.0006
-10				-2.48	0.0010
-20				-2.40	0.0009
-30				-1.75	0.0007

Frequency Error vs Voltage

Voltage(V)	Temperature(℃)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
6.8	20	2570.540	2619.420	-0.90	0.0003
8.0				-1.57	0.0006

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

LTE band 41, 20MHz bandwidth QPSK(worst case of all bandwidths)

Frequency Error vs Temperature

Temperature(℃)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	7.2	2496.500	2689.360		
50				1.30	0.0005
40				0.19	0.0001
30				1.86	0.0007
10				1.89	0.0007
0				1.57	0.0006
-10				1.97	0.0008
-20				1.90	0.0007
-30				3.91	0.0015

Frequency Error vs Voltage

Voltage(V)	Temperature(℃)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
6.8	20	2496.500	2689.360	1.06	0.0004
8.0				1.82	0.0007

Expanded measurement uncertainty is 10 Hz, k = 2

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LTE Band 66, 20MHz bandwidth (worst case of all bandwidths)

Frequency Error vs Temperature

Temperature(℃)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	7.2	1710.760	1779.230		
50				-0.44	0.0003
40				-0.39	0.0002
30				0.39	0.0002
10				-0.16	0.0001
0				0.62	0.0004
-10				-0.07	0.0000
-20				-1.09	0.0006
-30				-0.07	0.0000

Frequency Error vs Voltage

Voltage(V)	Temperature(℃)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
6.8	20	1710.760	1779.230	-0.33	0.0002
8.0				0.60	0.0003

Expanded measurement uncertainty is 10Hz, k = 2

LTE Band 71, 20MHz bandwidth (worst case of all bandwidths)

Frequency Error vs Temperature

Temperature(℃)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	7.2	663.780	697.230		
50				0.53	0.0008
40				0.42	0.0006
30				0.03	0.0000
10				-0.33	0.0005
0				-0.03	0.0000
-10				-0.16	0.0002
-20				-0.01	0.0000
-30				0.32	0.0005

Frequency Error vs Voltage

Voltage(V)	Temperature(℃)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
6.8	20	663.780	697.230	0.53	0.0008
8.0				0.36	0.0005

Expanded measurement uncertainty is 10Hz, k = 2

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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 ≥ 3 × 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.

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

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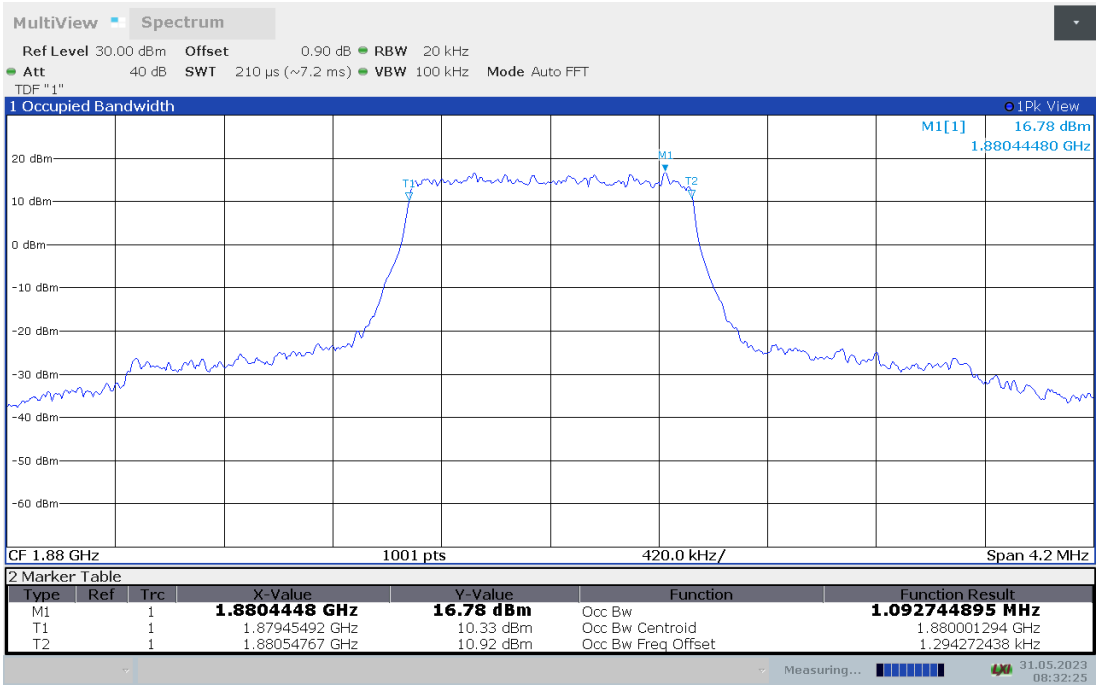
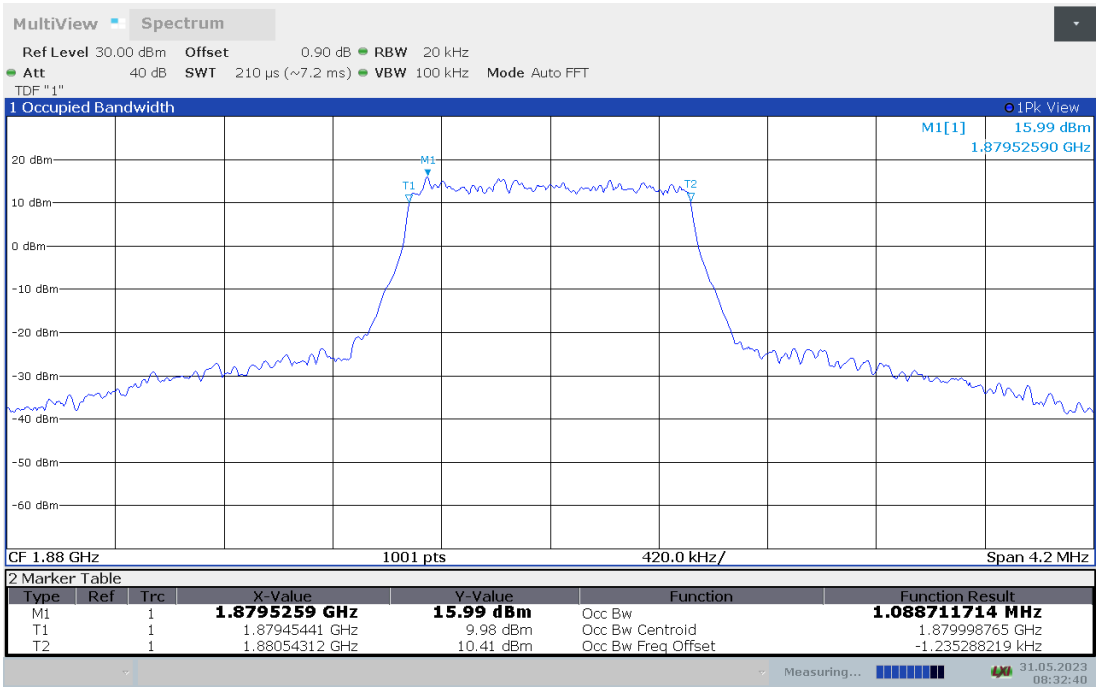
LTE band 2,1.4MHz(99% BW)

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)	
	QPSK	16QAM
1880	1.093	1.089

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



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



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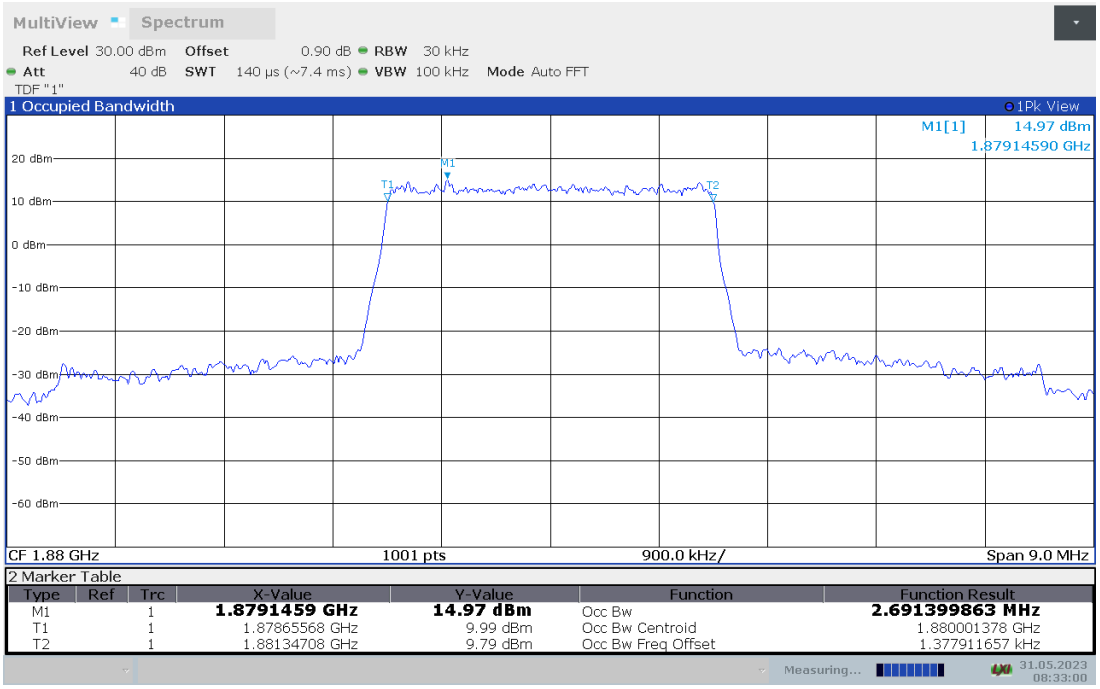
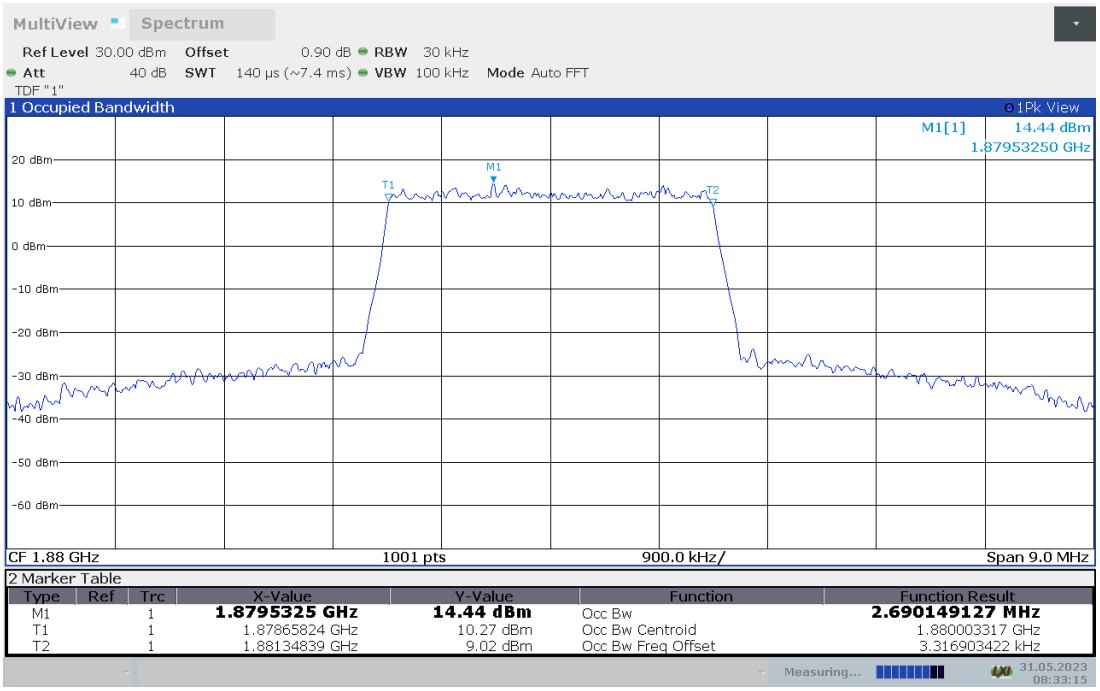
LTE band 2,3MHz(99% BW)

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)	
	QPSK	16QAM
1880	2.691	2.690

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



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



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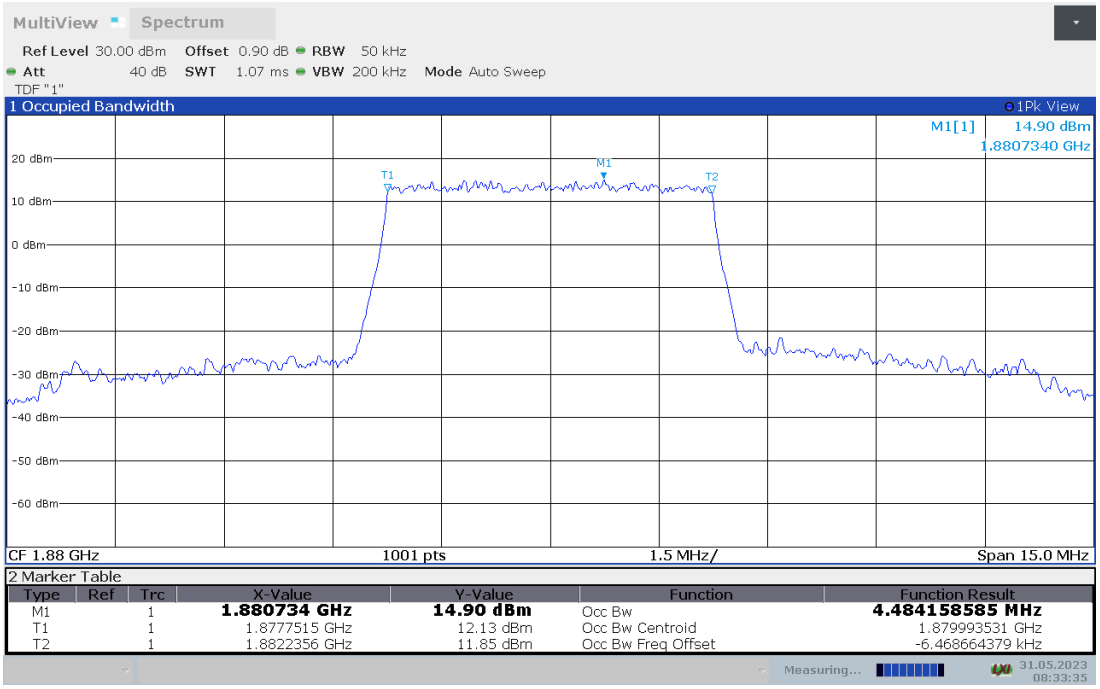
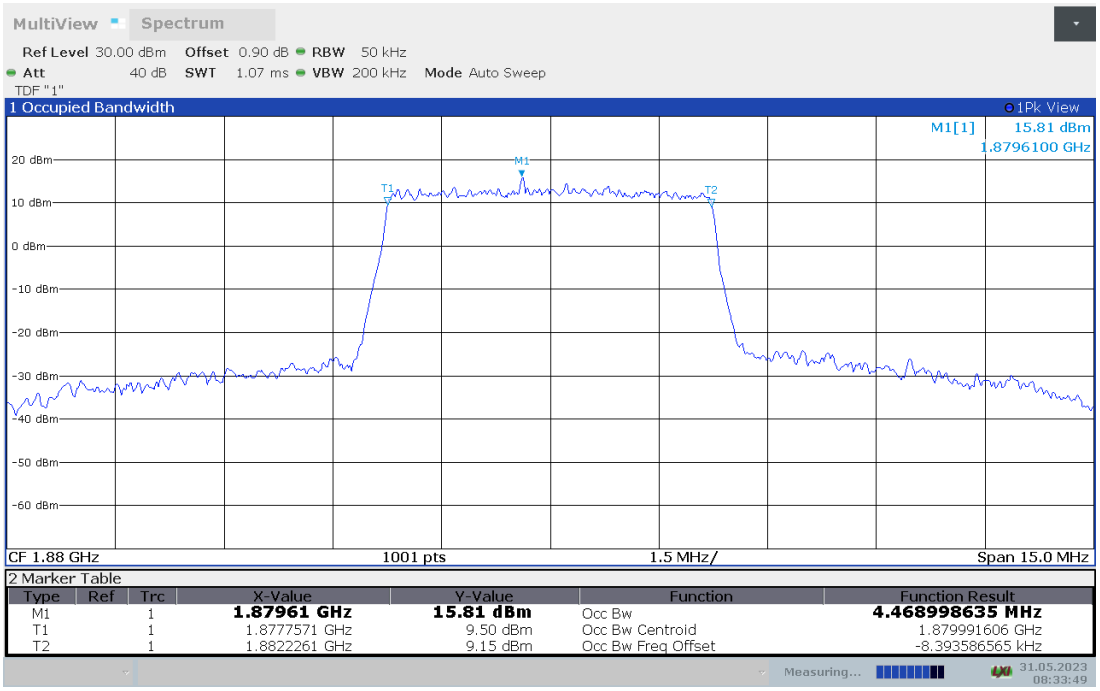
LTE band 2,5MHz(99% BW)

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)	
	QPSK	16QAM
1880	4.484	4.469

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



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



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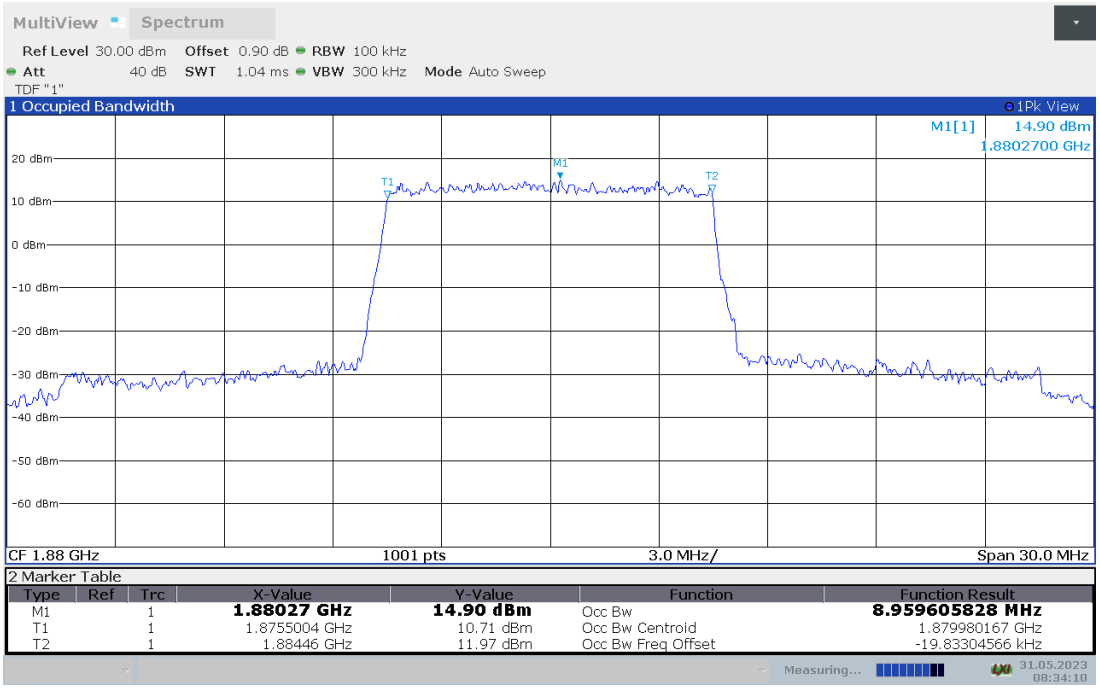
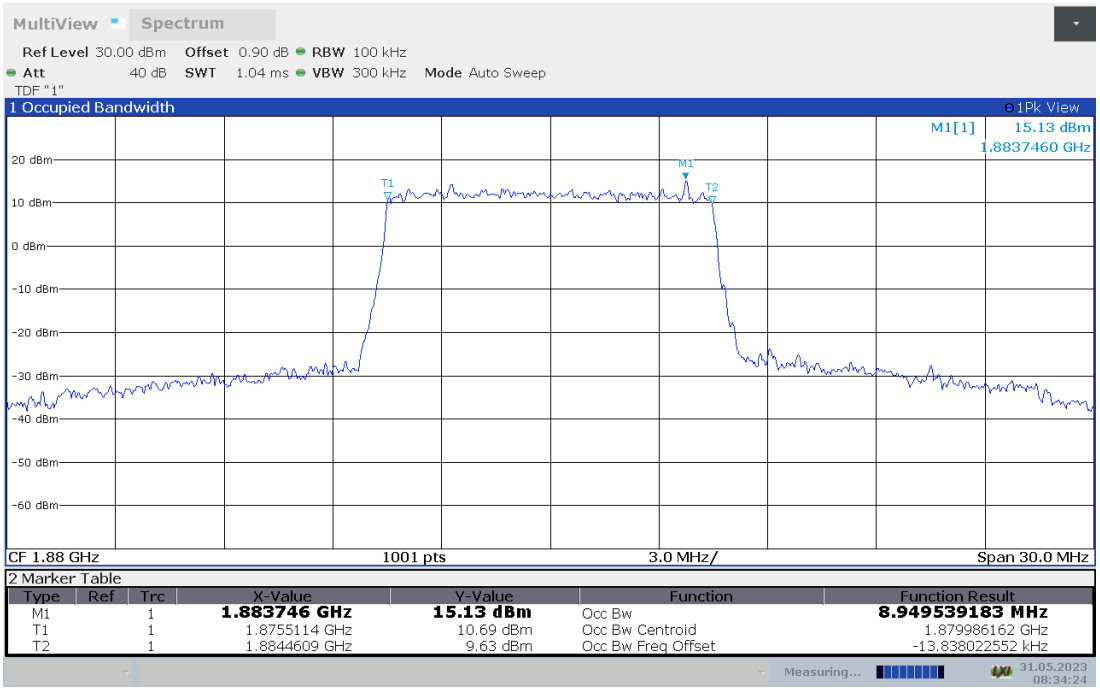
LTE band 2,10MHz(99% BW)

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)	
	QPSK	16QAM
1880	8.960	8.950

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



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



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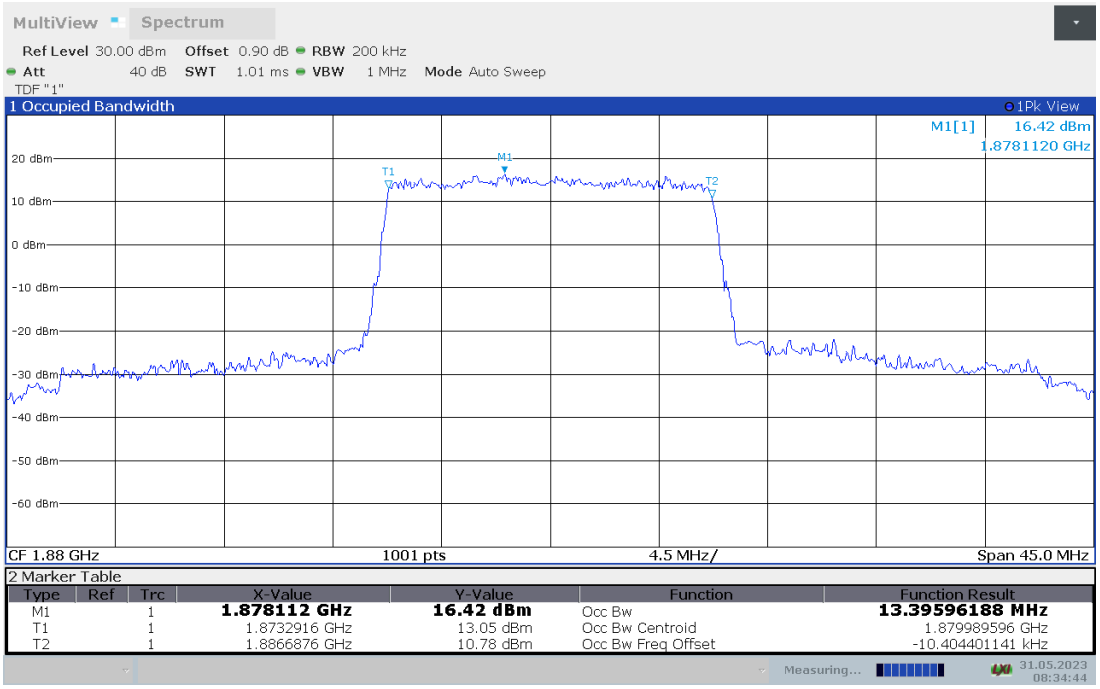
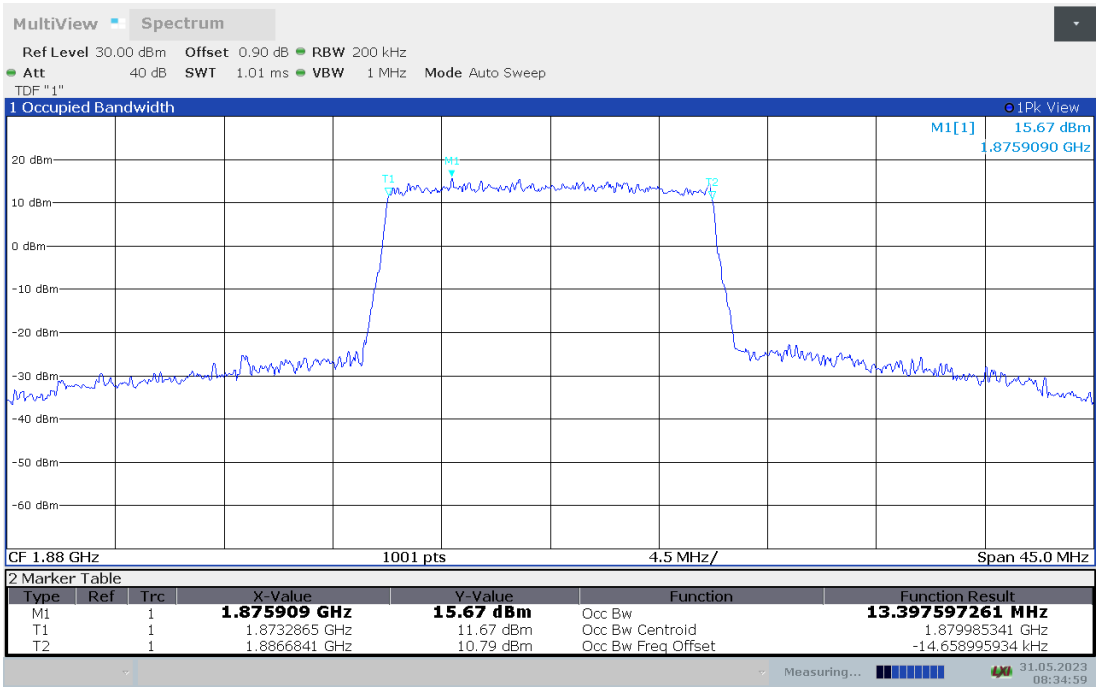
LTE band 2,15MHz(99% BW)

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)	
	QPSK	16QAM
1880	13.396	13.398

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



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



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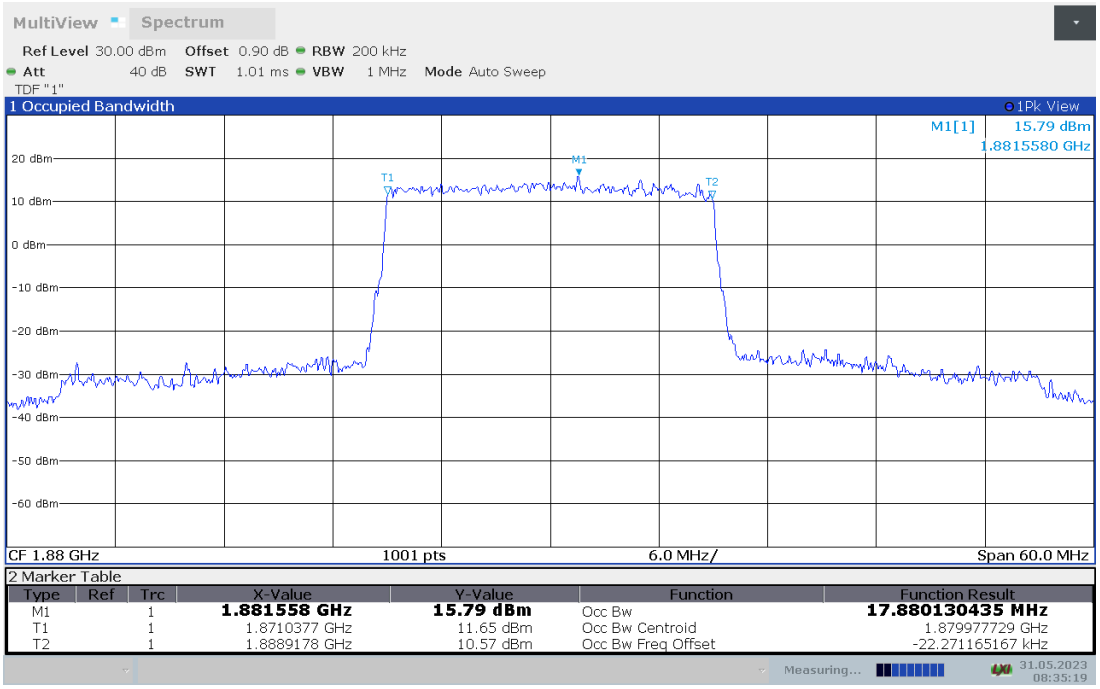
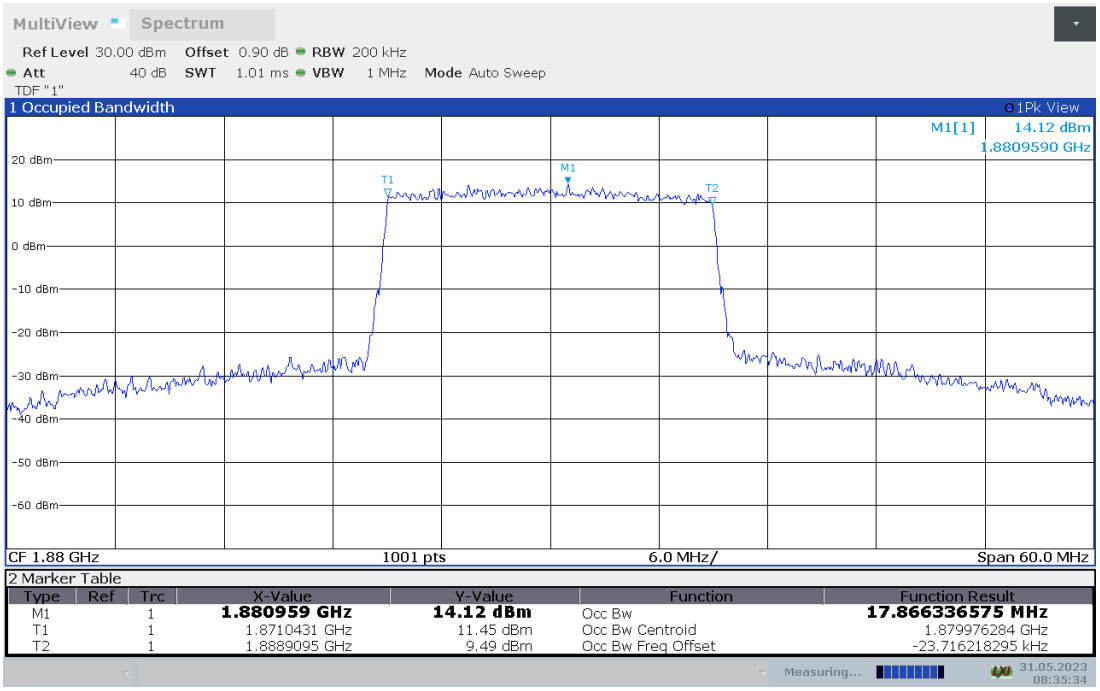
LTE band 2,20MHz(99% BW)

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)	
	QPSK	16QAM
1880	17.880	17.866

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



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



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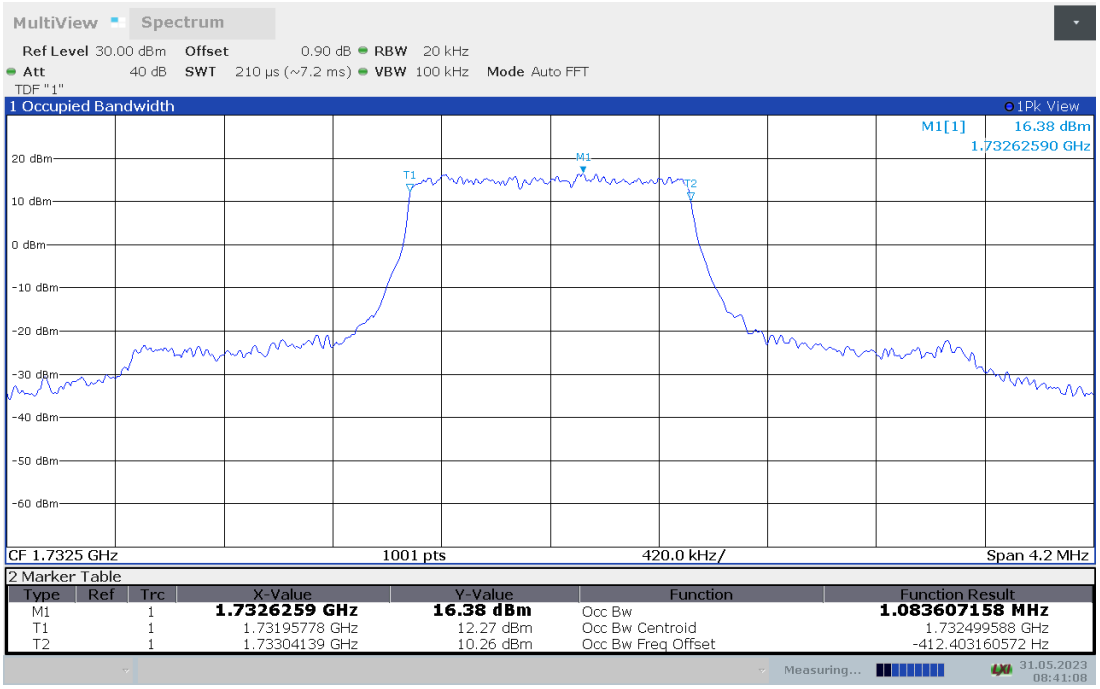
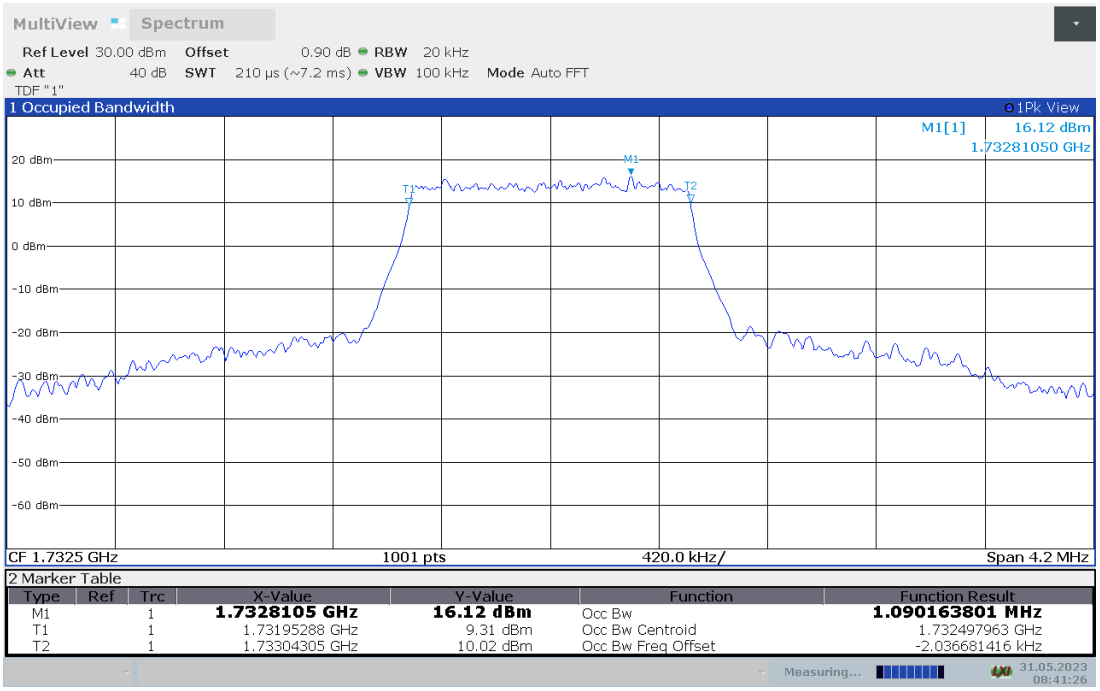
LTE band 4,1.4MHz(99% BW)

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)	
	QPSK	16QAM
1732.5	1.084	1.090

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



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



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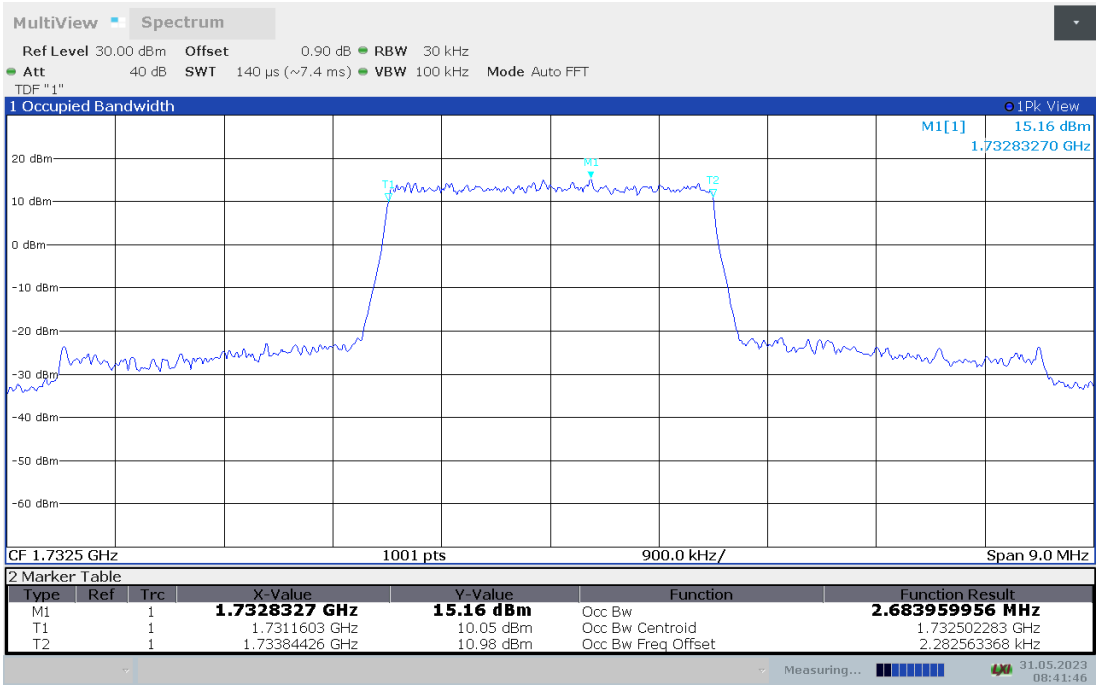
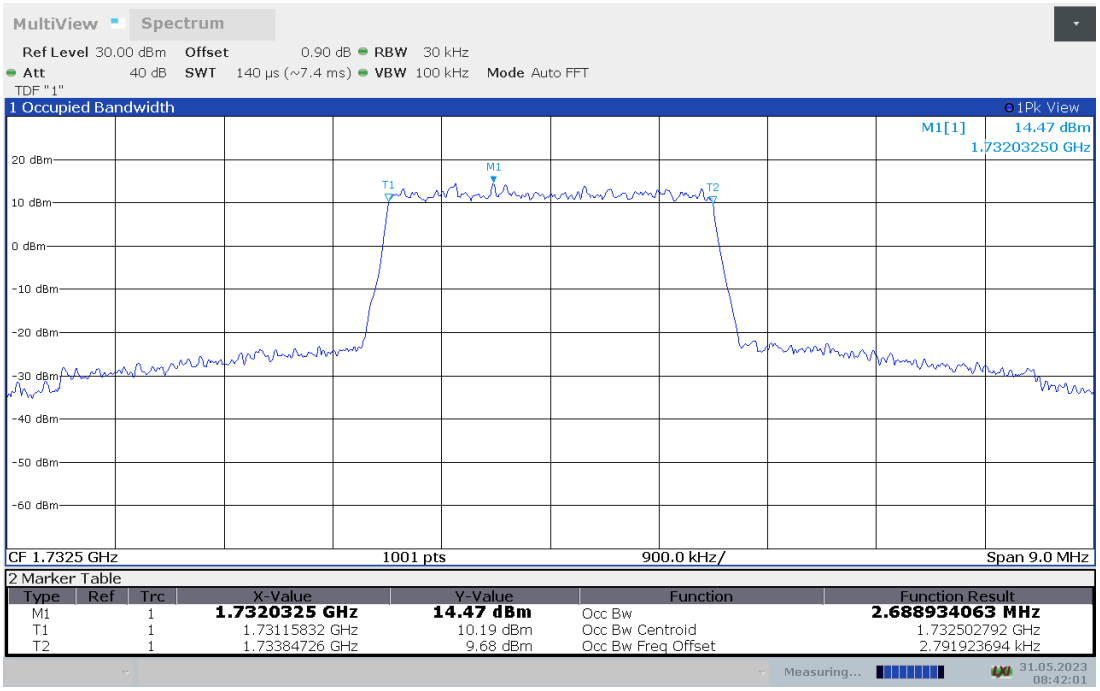
LTE band 4,3MHz(99% BW)

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)	
	QPSK	16QAM
1732.5	2.684	2.689

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



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



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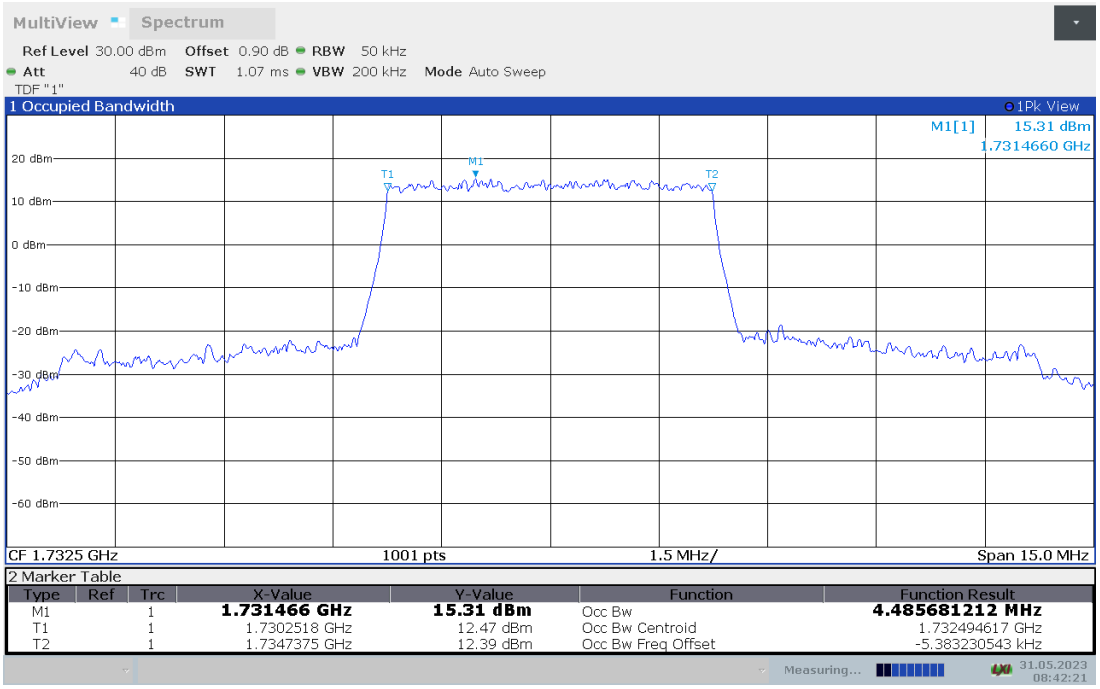
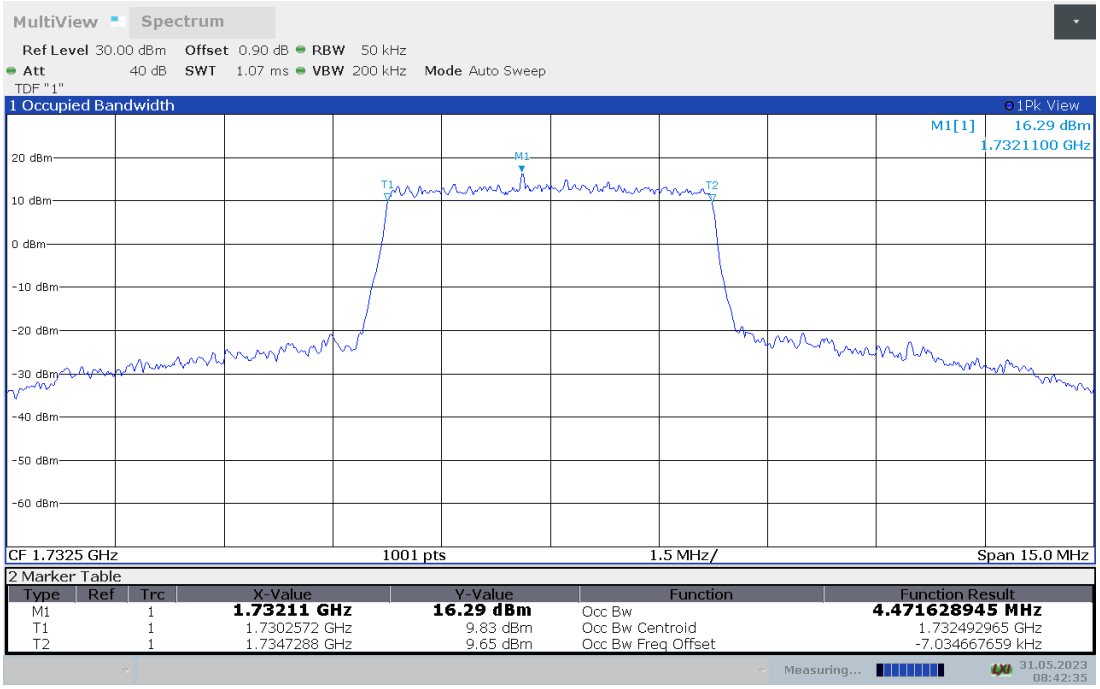
LTE band 4,5MHz(99% BW)

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)	
	QPSK	16QAM
1732.5	4.486	4.472

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



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



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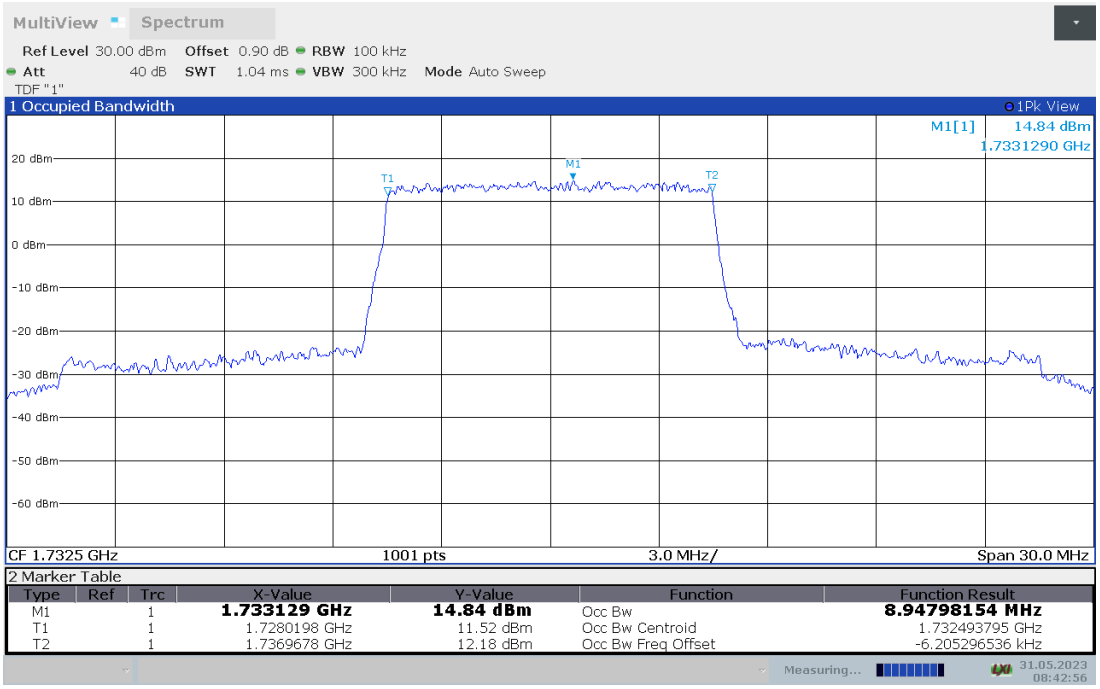
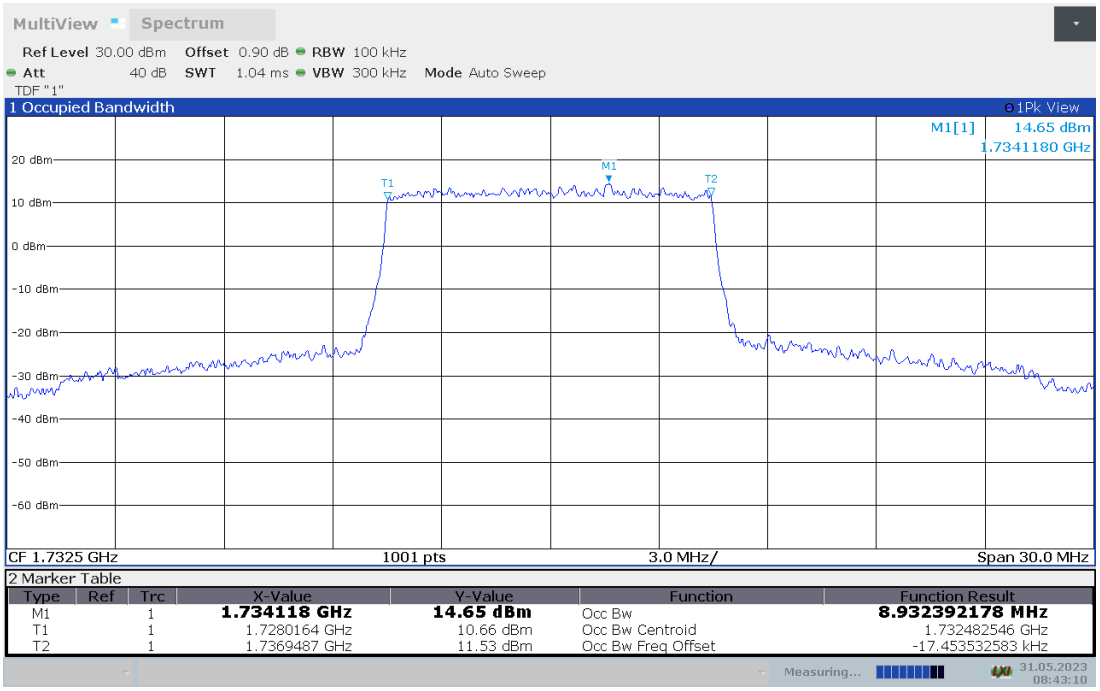
LTE band 4,10MHz(99% BW)

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)	
	QPSK	16QAM
1732.5	8.948	8.932

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



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



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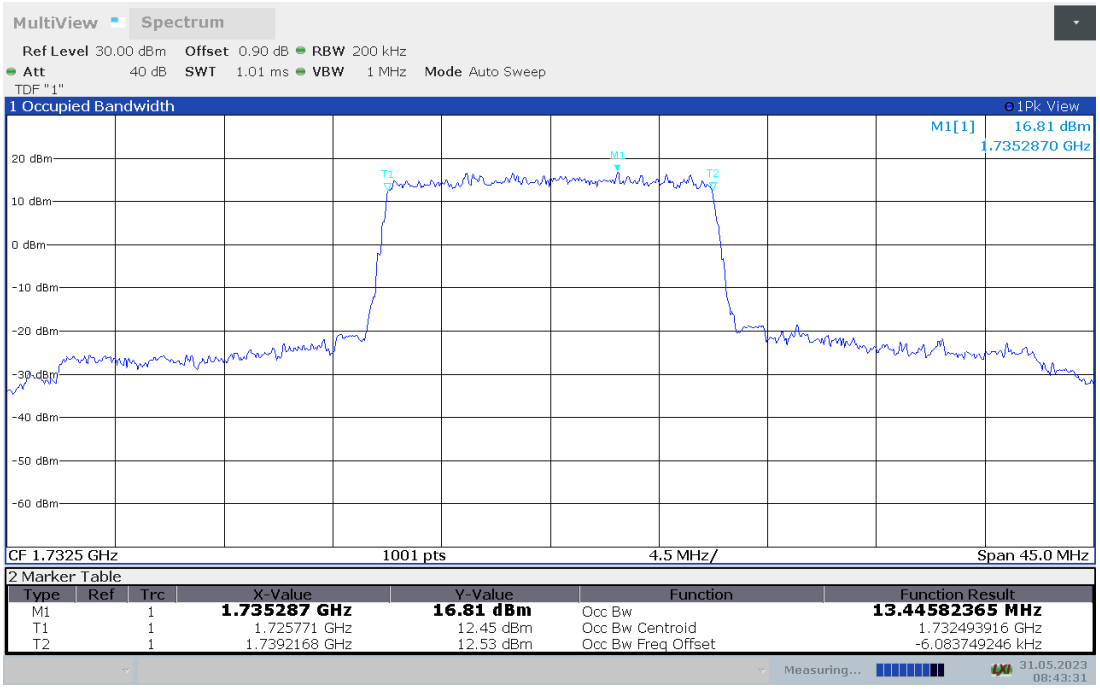
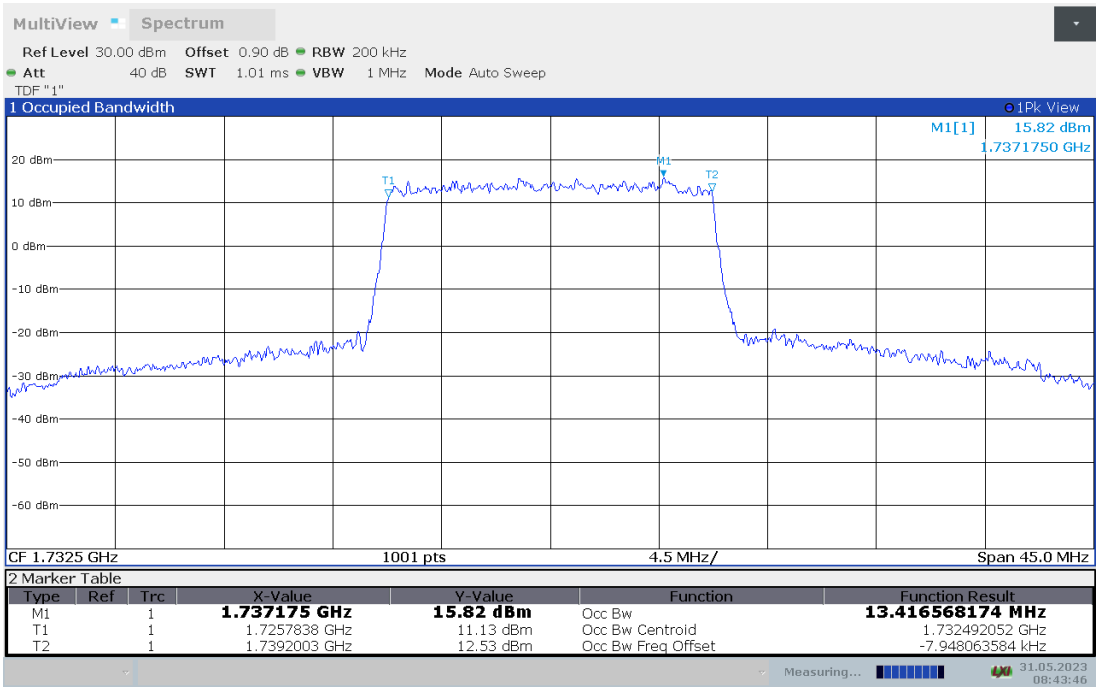
LTE band 4,15MHz(99% BW)

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)	
	QPSK	16QAM
1732.5	13.446	13.417

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



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



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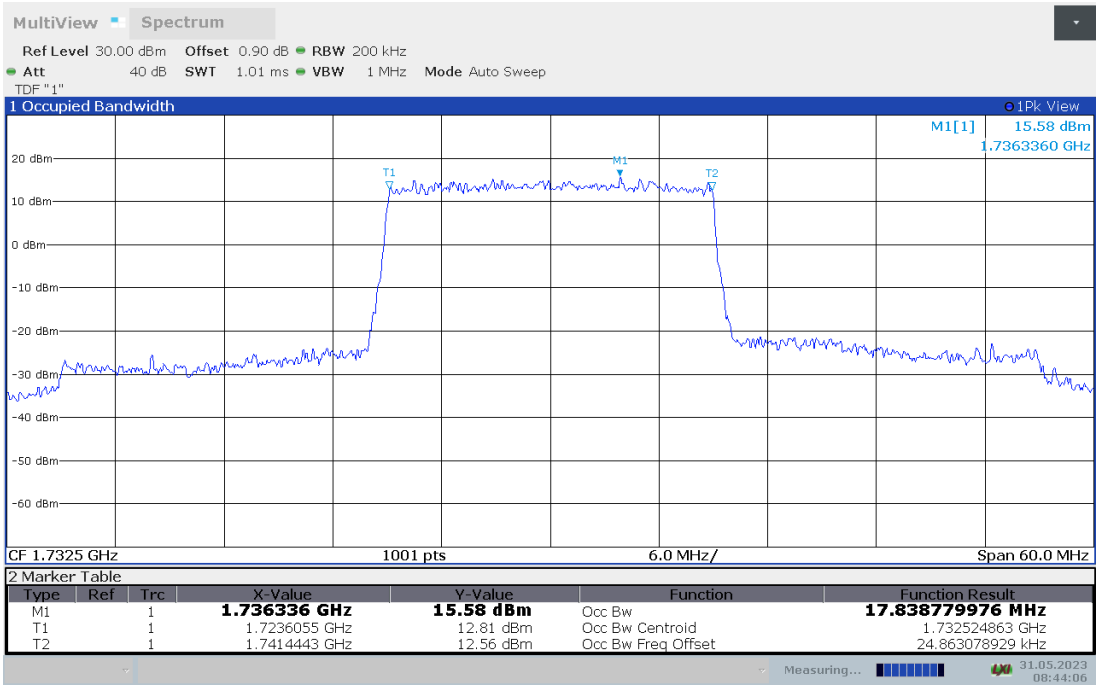
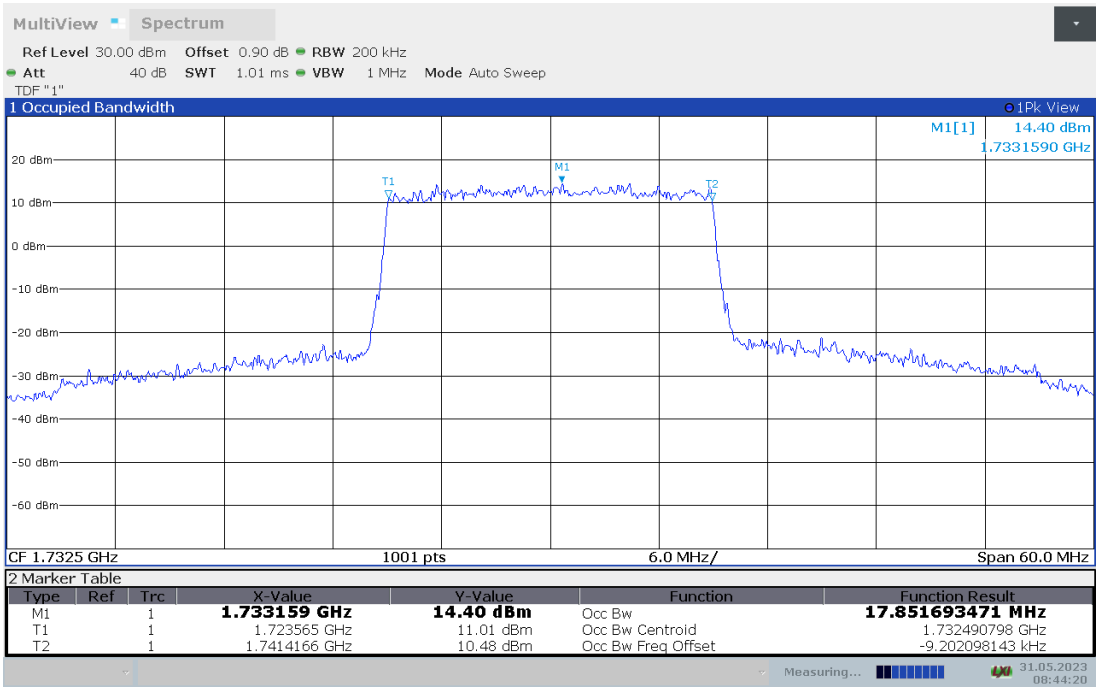
LTE band 4,20MHz(99% BW)

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)	
	QPSK	16QAM
1732.5	17.839	17.852

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



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



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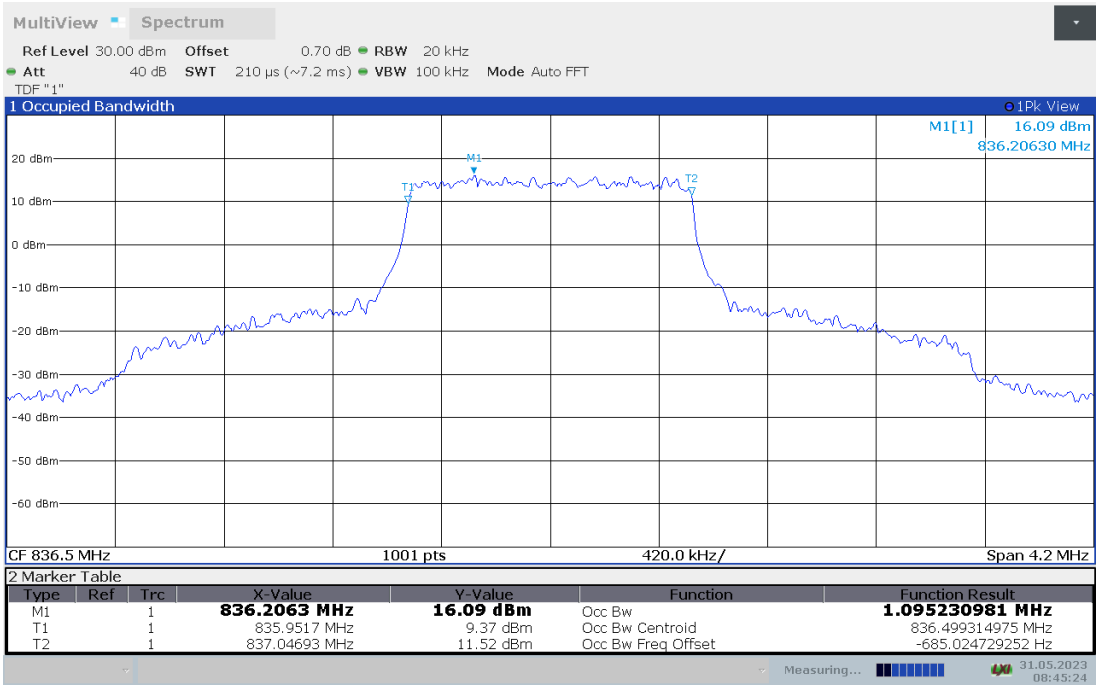
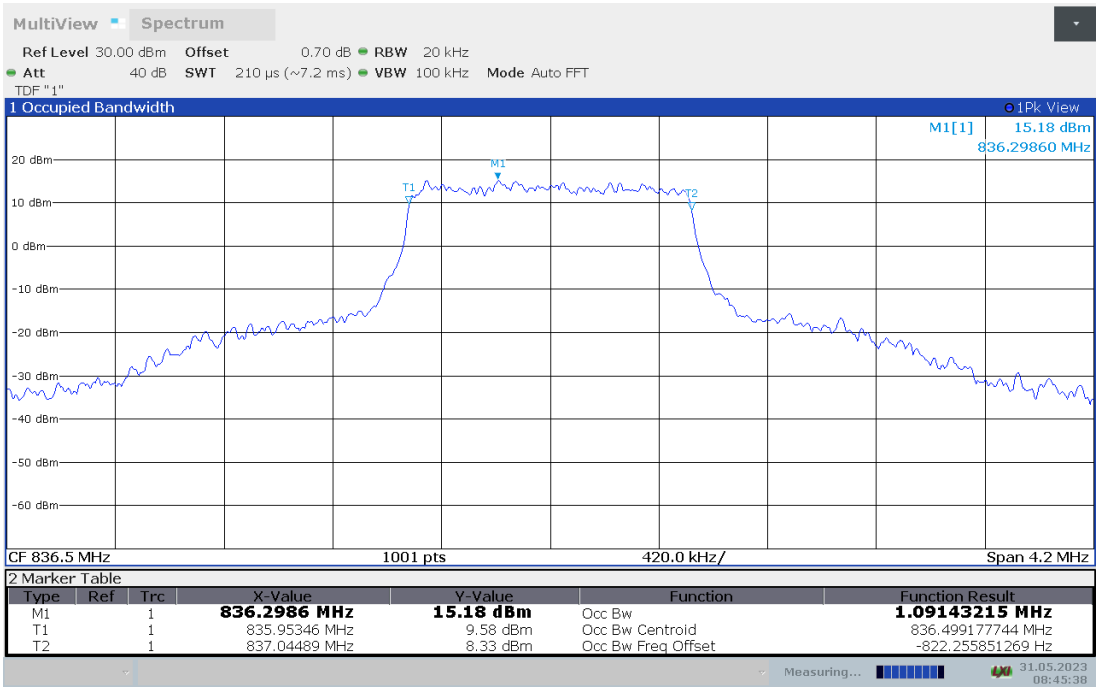
LTE band 5,1.4MHz(99% BW)

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)	
	QPSK	16QAM
836.5	1.095	1.091

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



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



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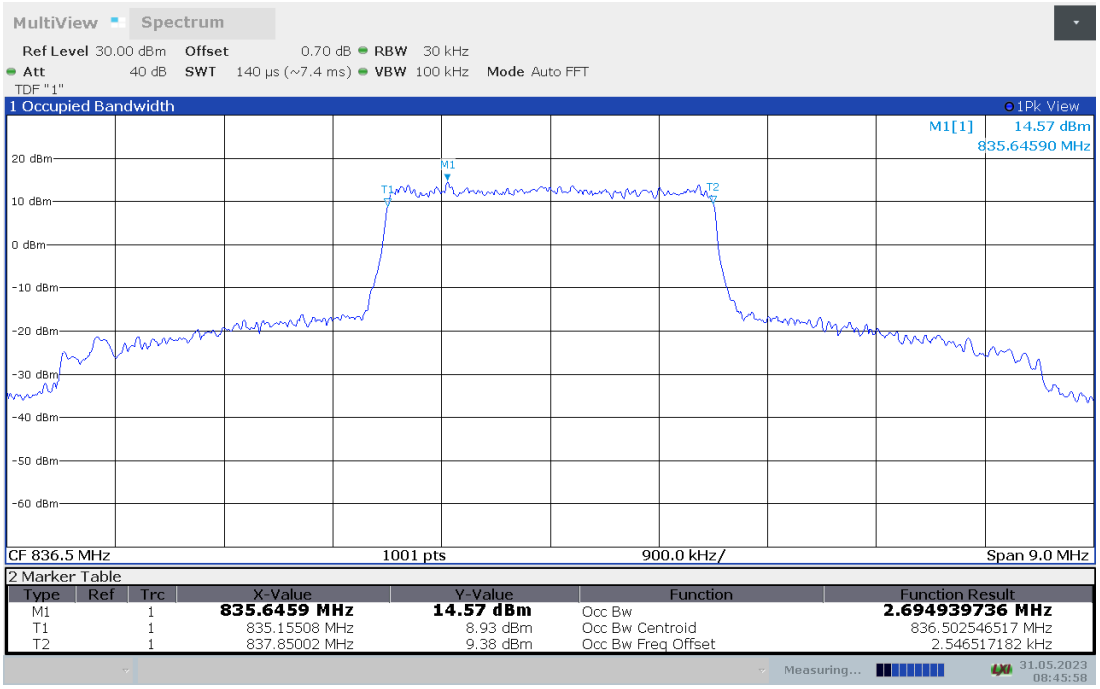
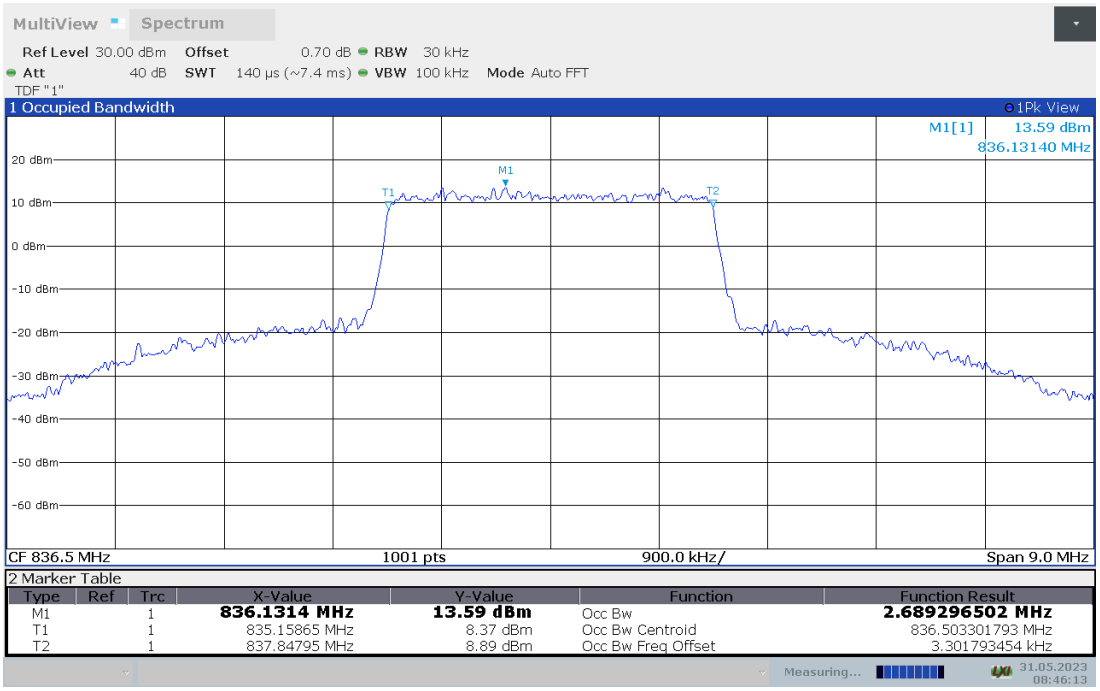
LTE band 5,3MHz(99% BW)

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)	
	QPSK	16QAM
836.5	2.695	2.689

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



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



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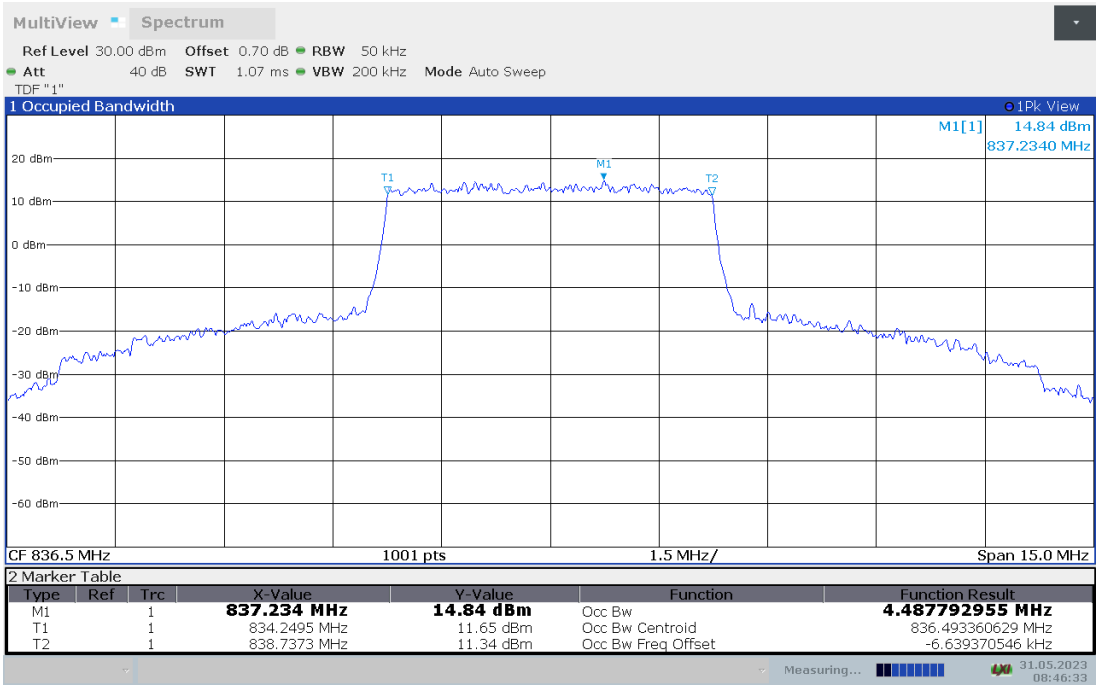
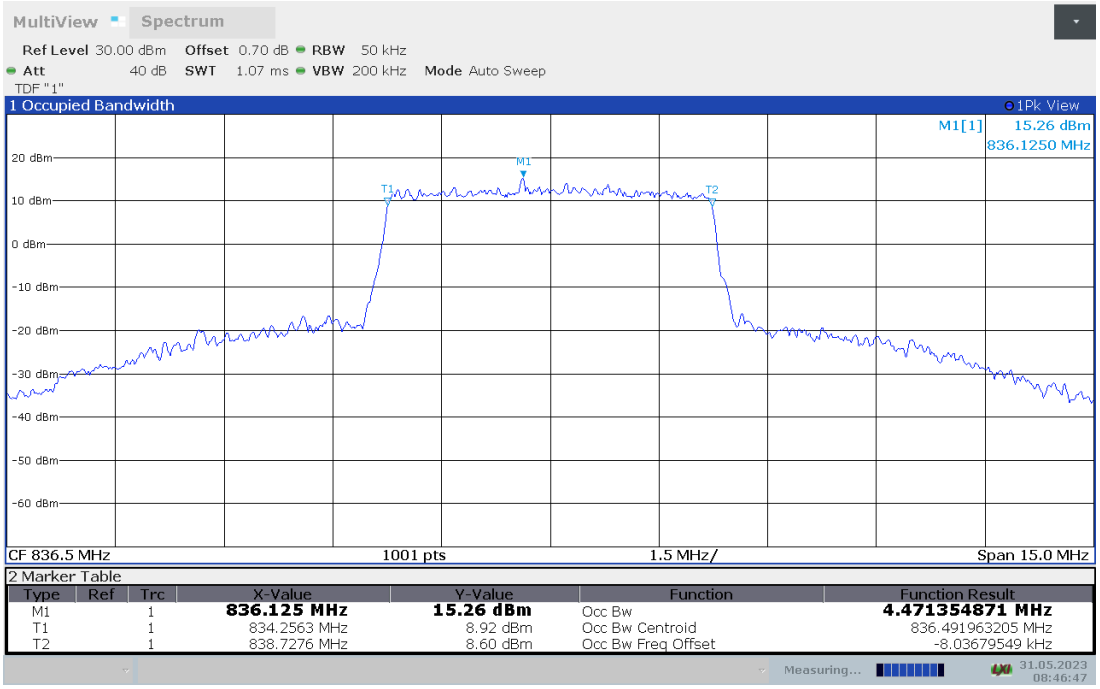
LTE band 5,5MHz(99% BW)

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)	
	QPSK	16QAM
836.5	4.488	4.471

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



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



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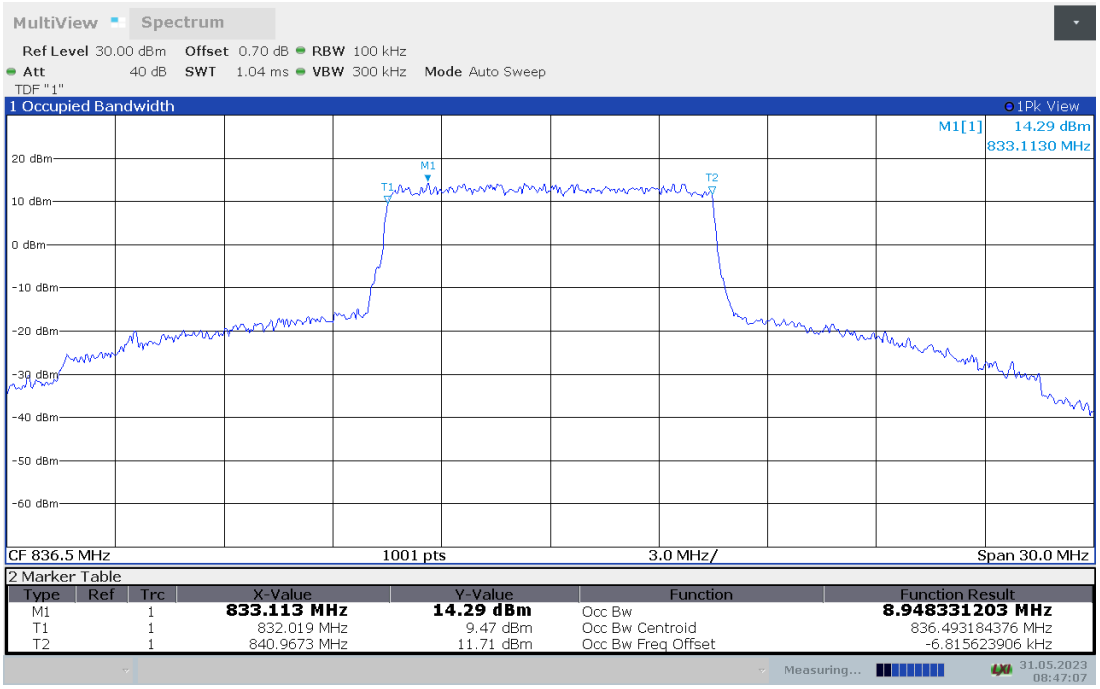
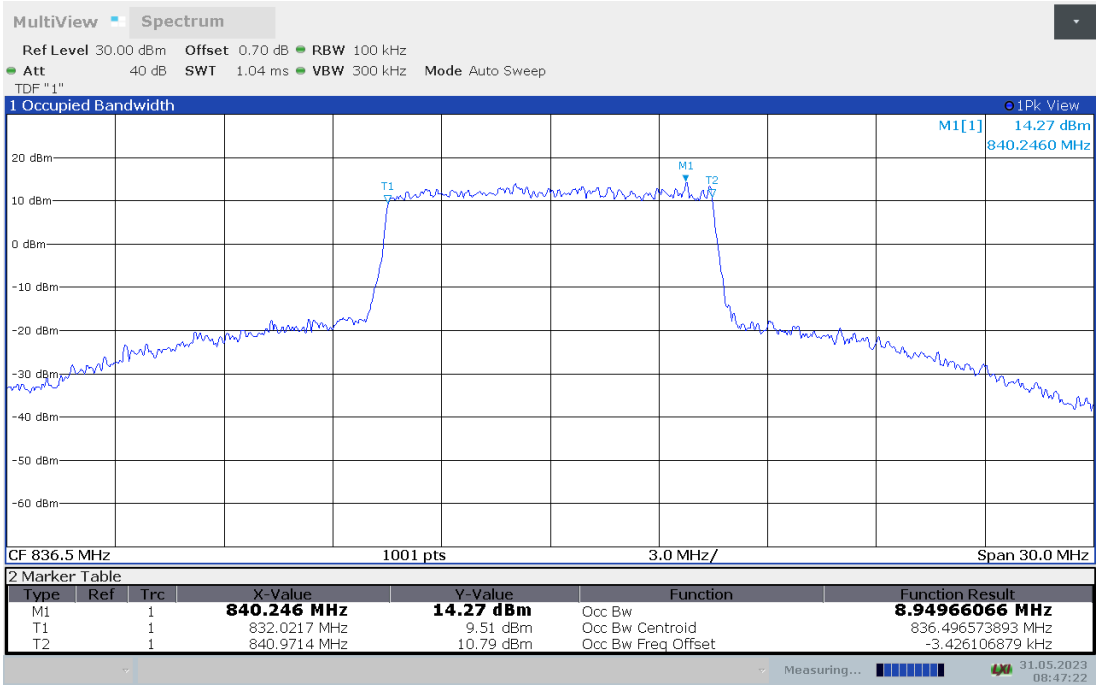
LTE band 5,10MHz(99% BW)

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)	
	QPSK	16QAM
836.5	8.948	8.950

LTE band 5 , 10MHz Bandwidth, MID, QPSK (99% BW)



LTE band 5 , 10MHz Bandwidth,MID,16QAM (99% BW)



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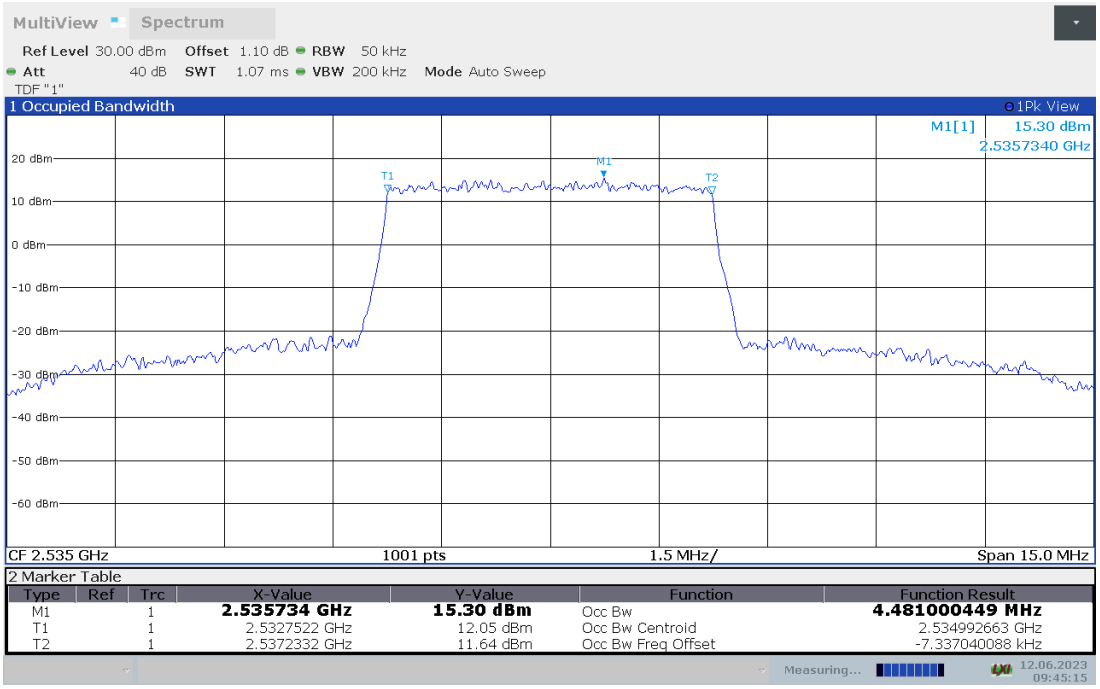
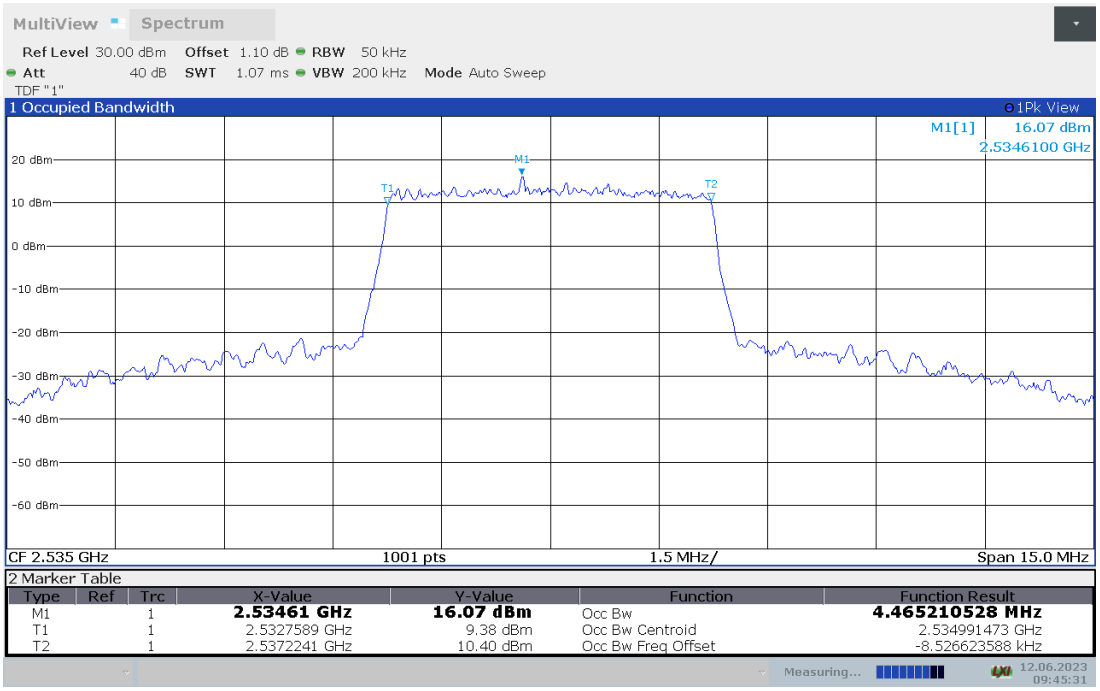
LTE band 7,5MHz(99% BW)

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)	
	QPSK	16QAM
2535	4.481	4.465

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



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



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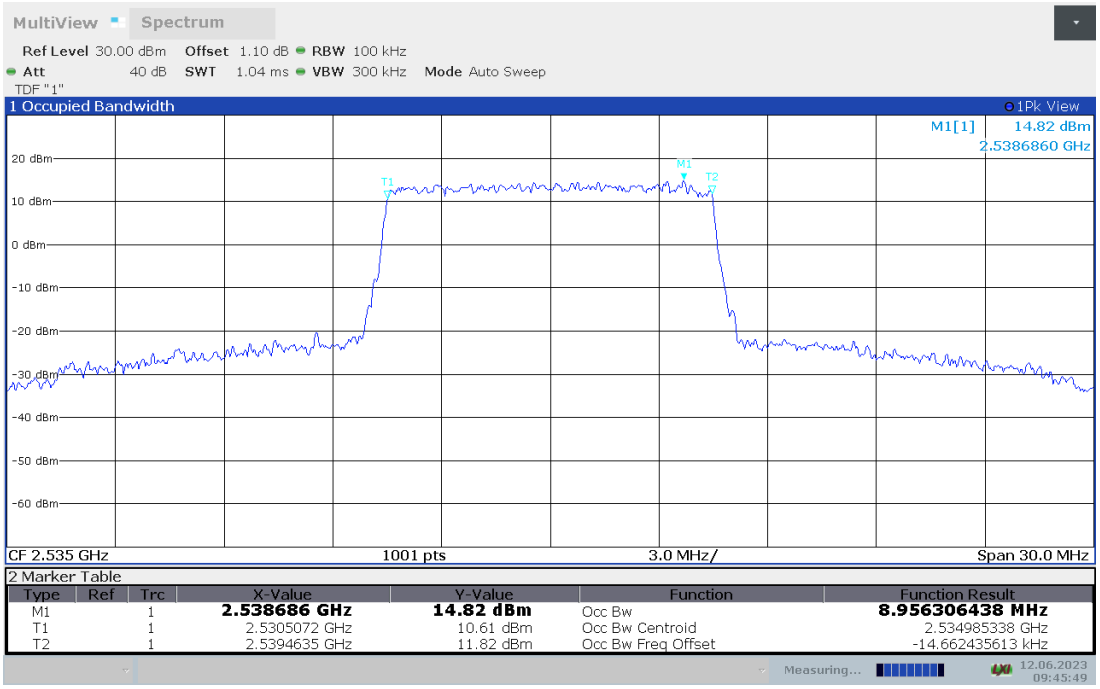
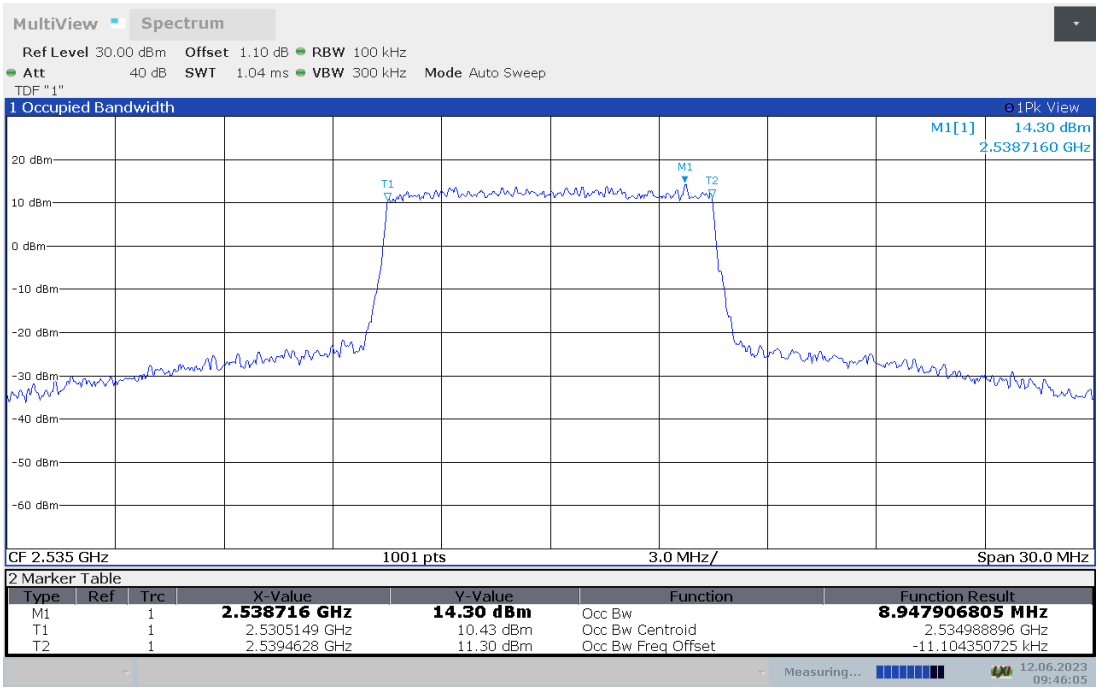
LTE band 7,10MHz(99% BW)

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)	
	QPSK	16QAM
2535	8.956	8.948

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



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



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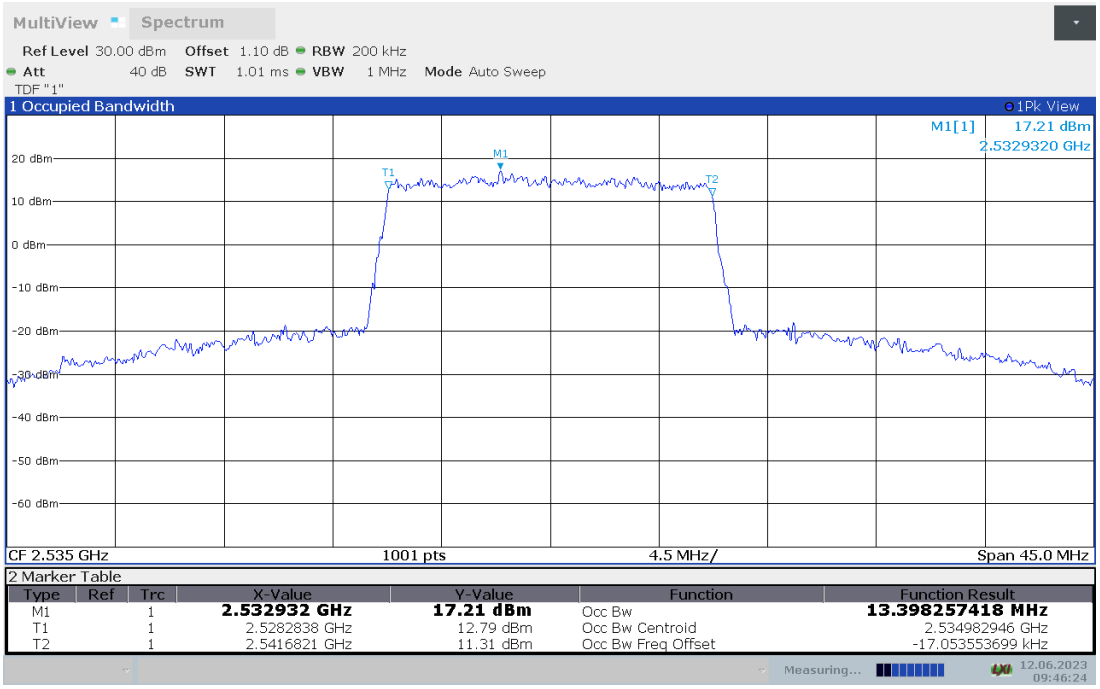
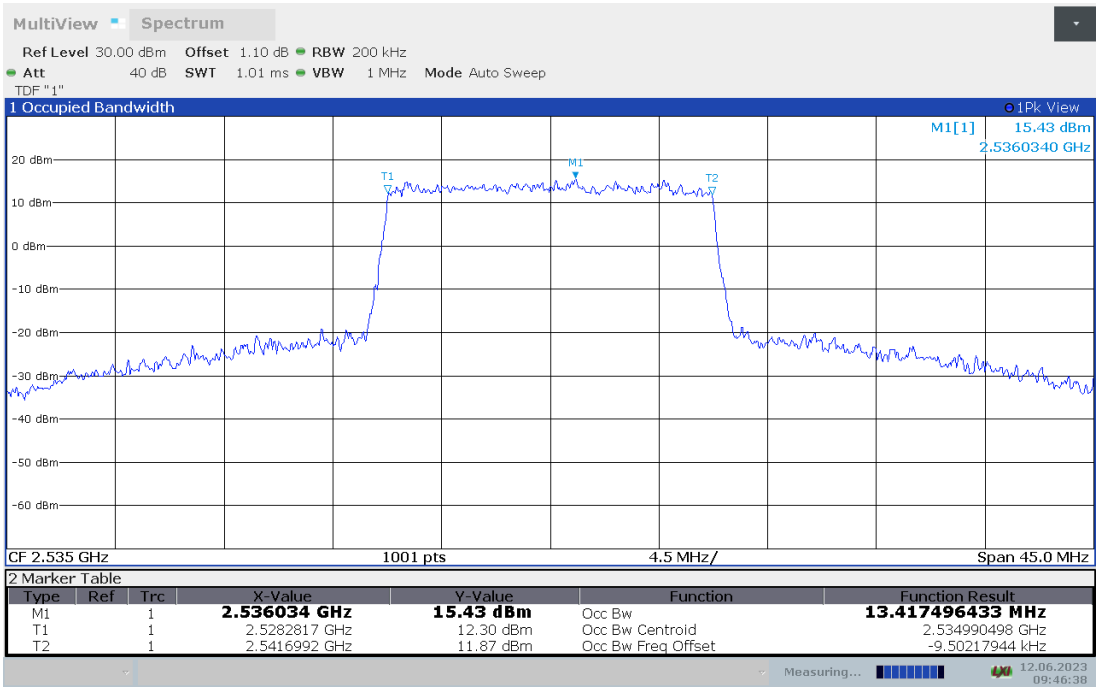
LTE band 7,15MHz(99% BW)

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)	
	QPSK	16QAM
2535	13.398	13.417

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



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



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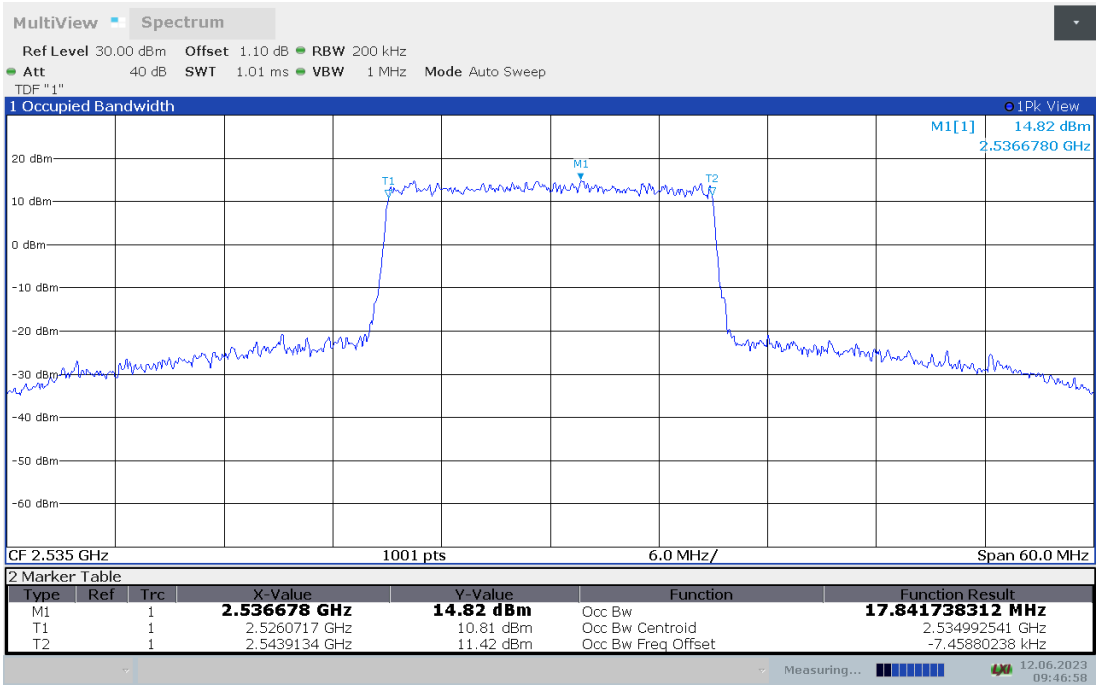
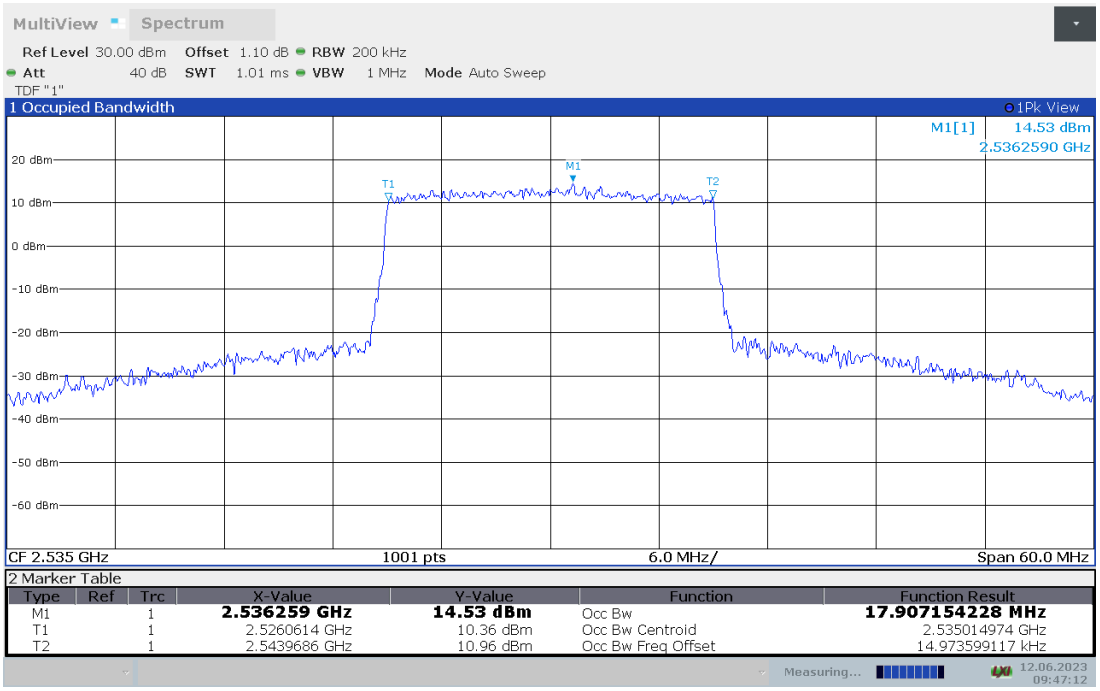
LTE band 7,20MHz(99% BW)

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)	
	QPSK	16QAM
2535	17.842	17.907

LTE band 7 , 20MHz Bandwidth, MID, QPSK (99% BW)



LTE band 7 , 20MHz Bandwidth,MID,16QAM (99% BW)



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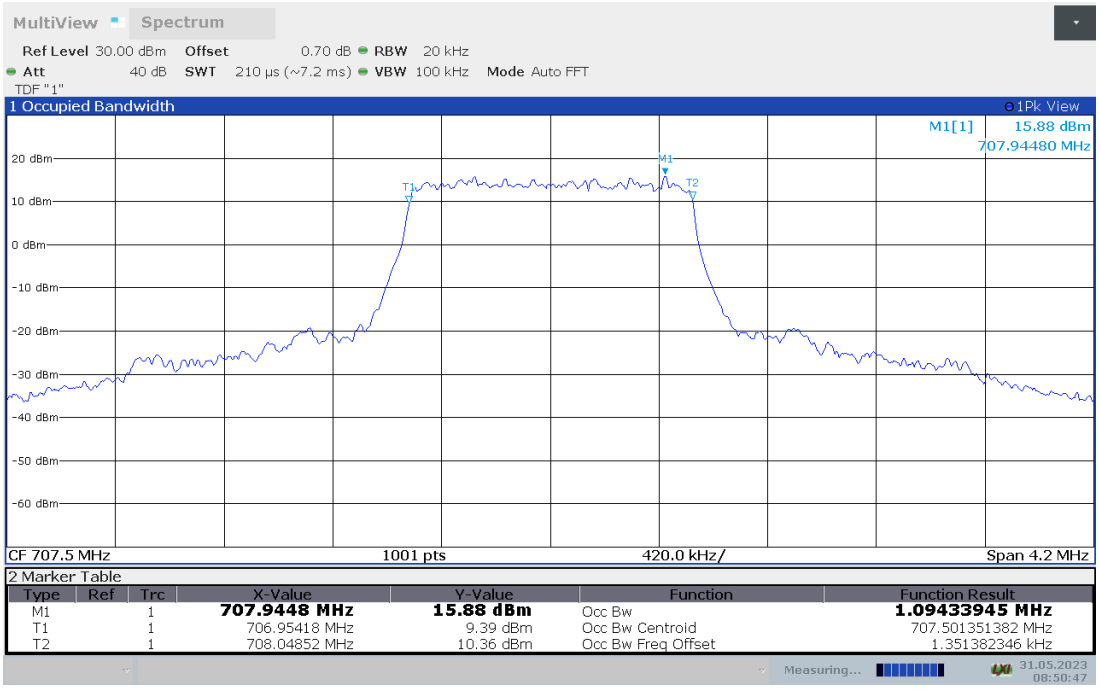
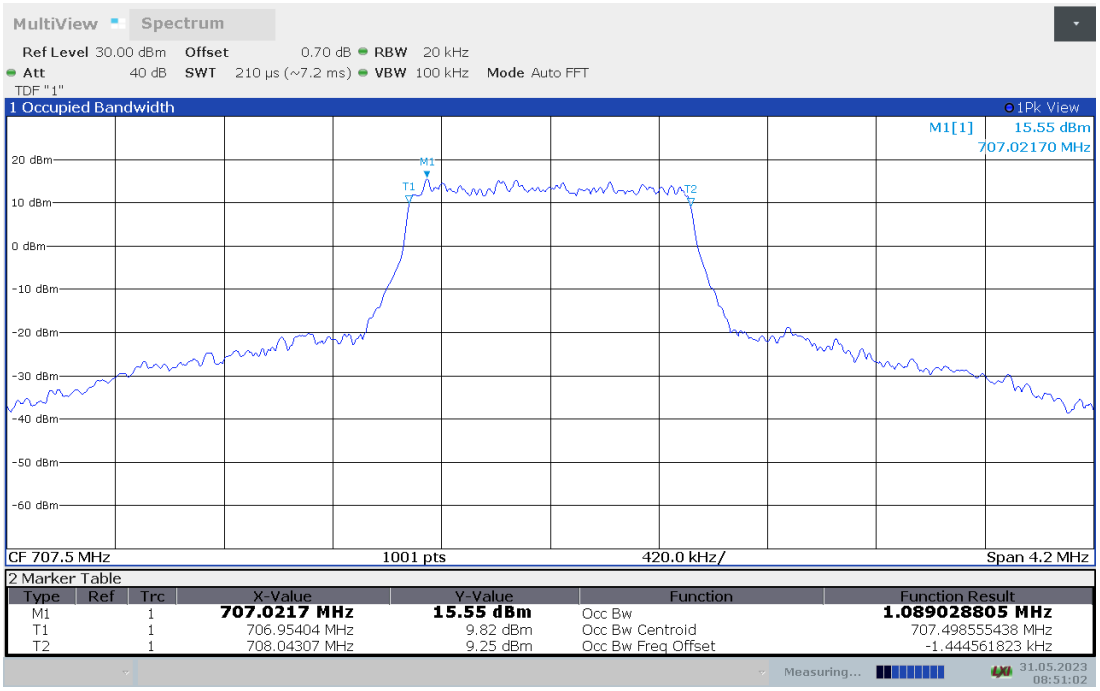
LTE band 12,1.4MHz(99% BW)

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)	
	QPSK	16QAM
707.5	1.094	1.089

LTE band 12 , 1.4MHz Bandwidth, MID, QPSK (99% BW)



LTE band 12 , 1.4MHz Bandwidth,MID,16QAM (99% BW)



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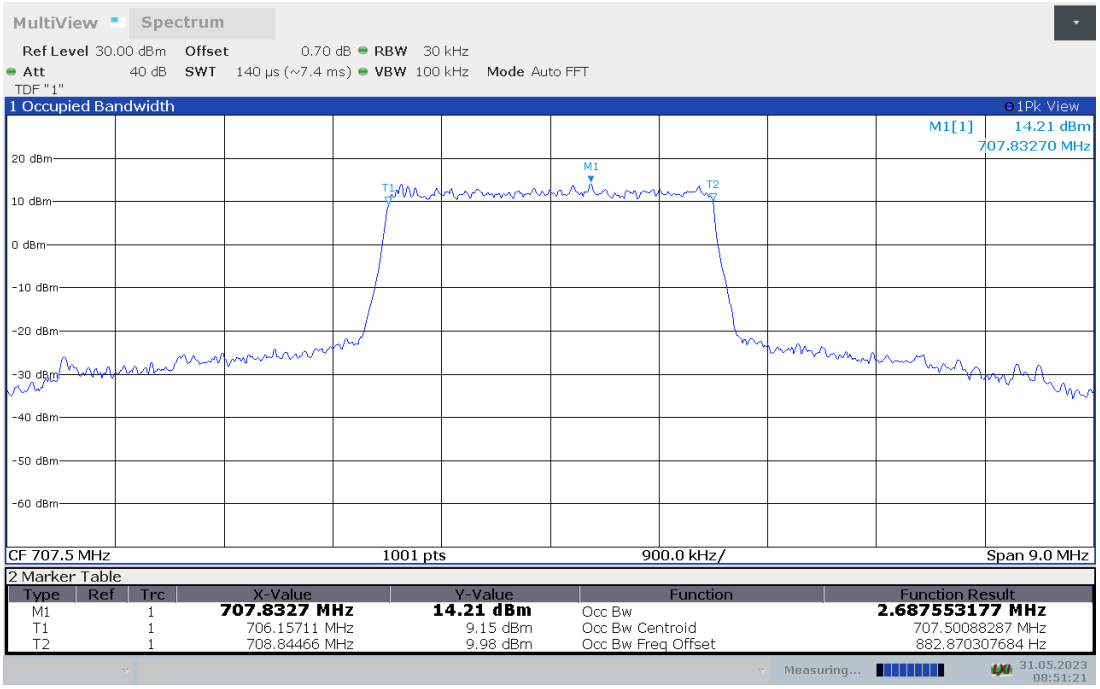
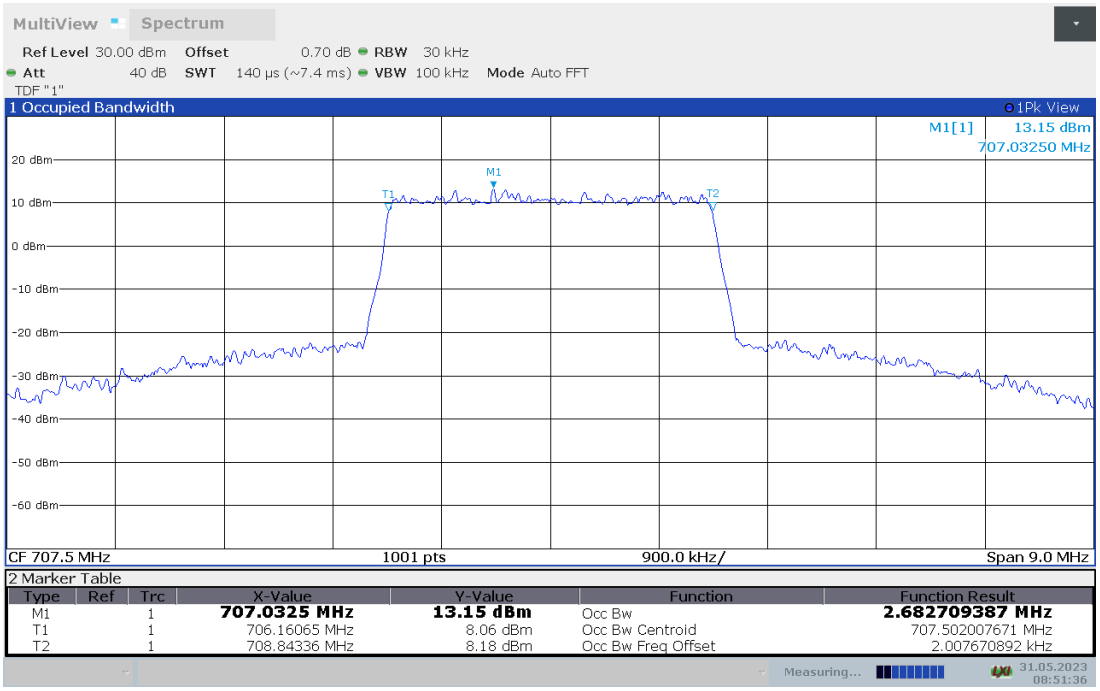
LTE band 12,3MHz(99% BW)

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)	
	QPSK	16QAM
707.5	2.688	2.683

LTE band 12 , 3MHz Bandwidth, MID, QPSK (99% BW)



LTE band 12 , 3MHz Bandwidth,MID,16QAM (99% BW)



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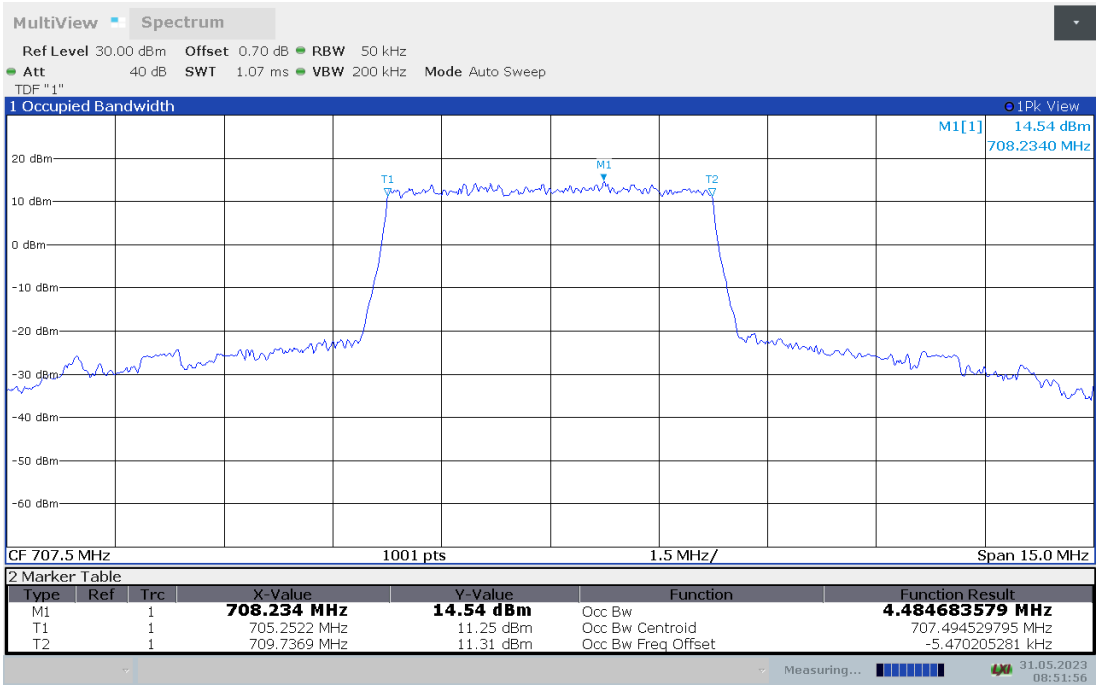
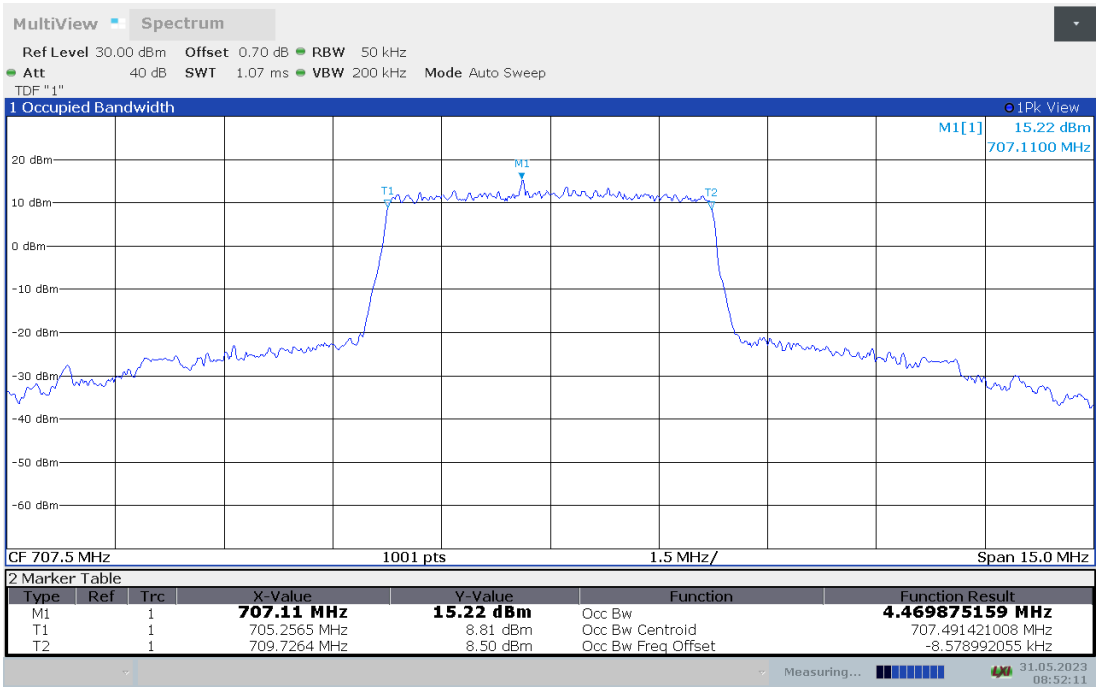
LTE band 12,5MHz(99% BW)

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)	
	QPSK	16QAM
707.5	4.485	4.470

LTE band 12 , 5MHz Bandwidth, MID, QPSK (99% BW)



LTE band 12 , 5MHz Bandwidth,MID,16QAM (99% BW)



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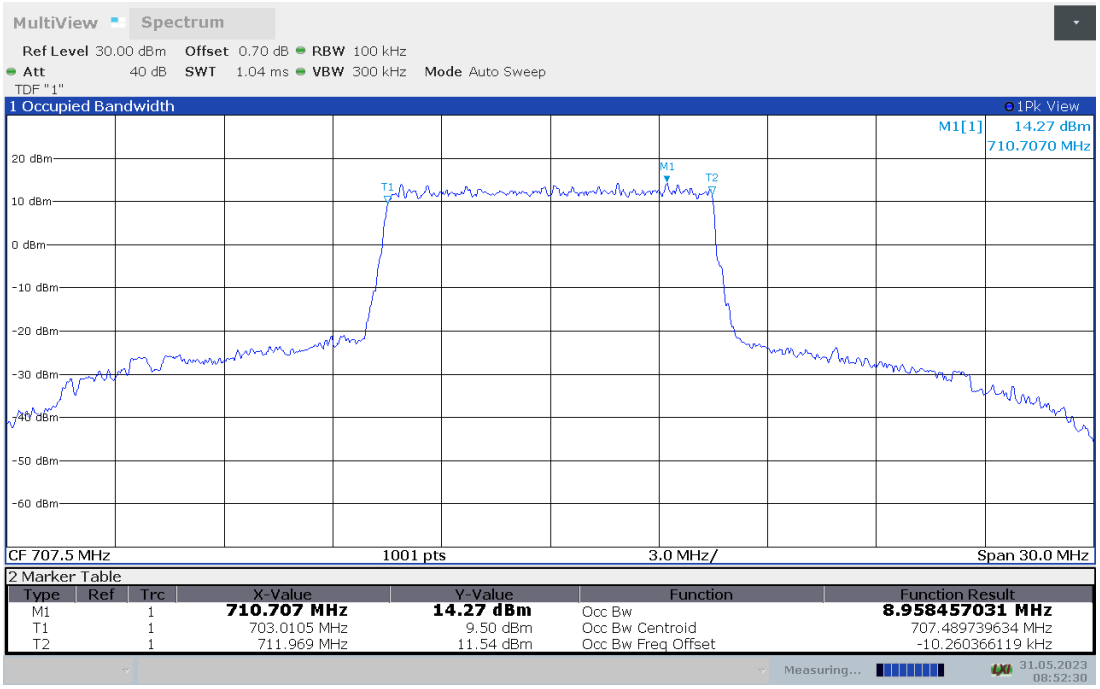
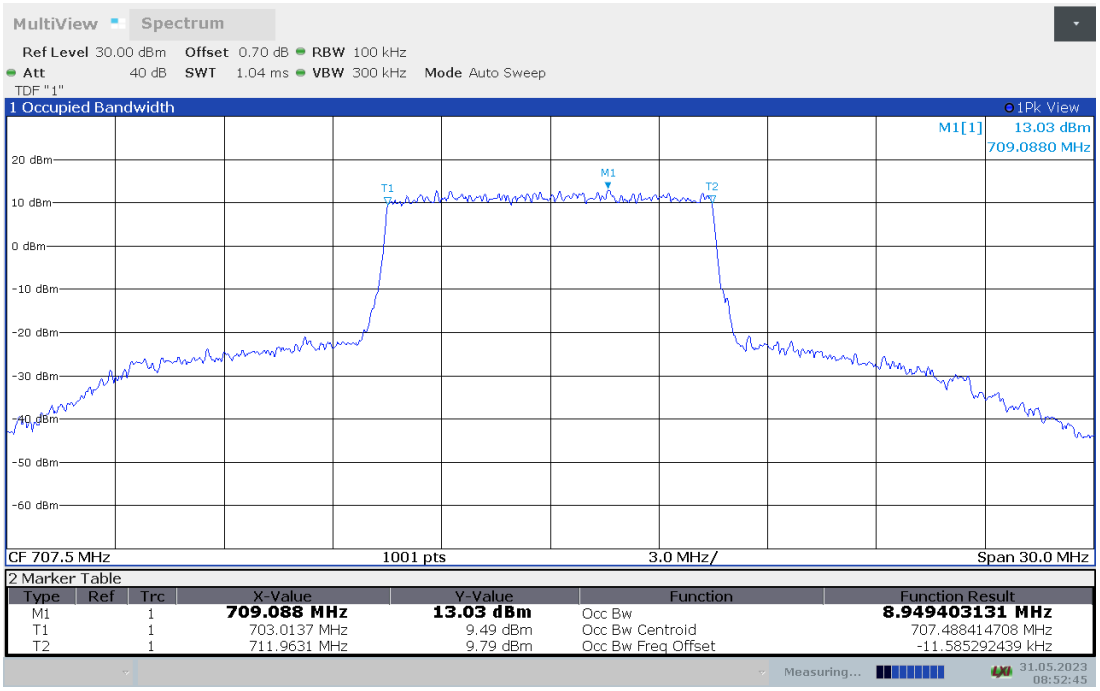
LTE band 12,10MHz(99% BW)

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)	
	QPSK	16QAM
707.5	8.958	8.949

LTE band 12 , 10MHz Bandwidth, MID, QPSK (99% BW)



LTE band 12 , 10MHz Bandwidth,MID,16QAM (99% BW)



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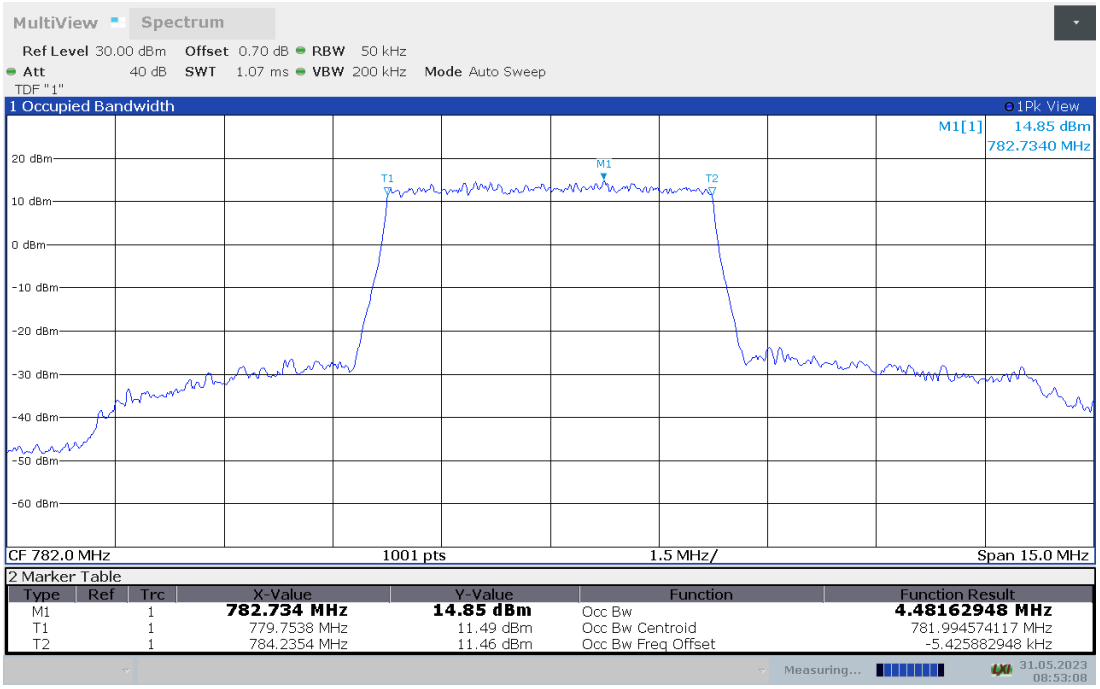
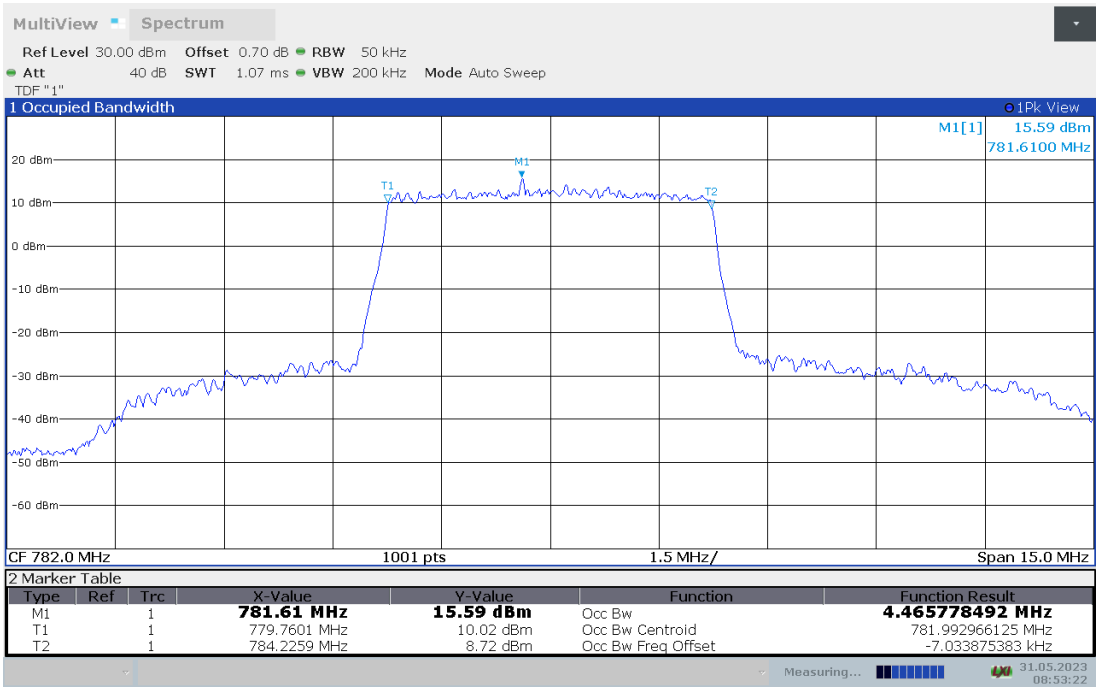
LTE band 13,5MHz(99% BW)

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)	
	QPSK	16QAM
782	4.482	4.466

LTE band 13 , 5MHz Bandwidth, MID, QPSK (99% BW)



LTE band 13 , 5MHz Bandwidth,MID,16QAM (99% BW)



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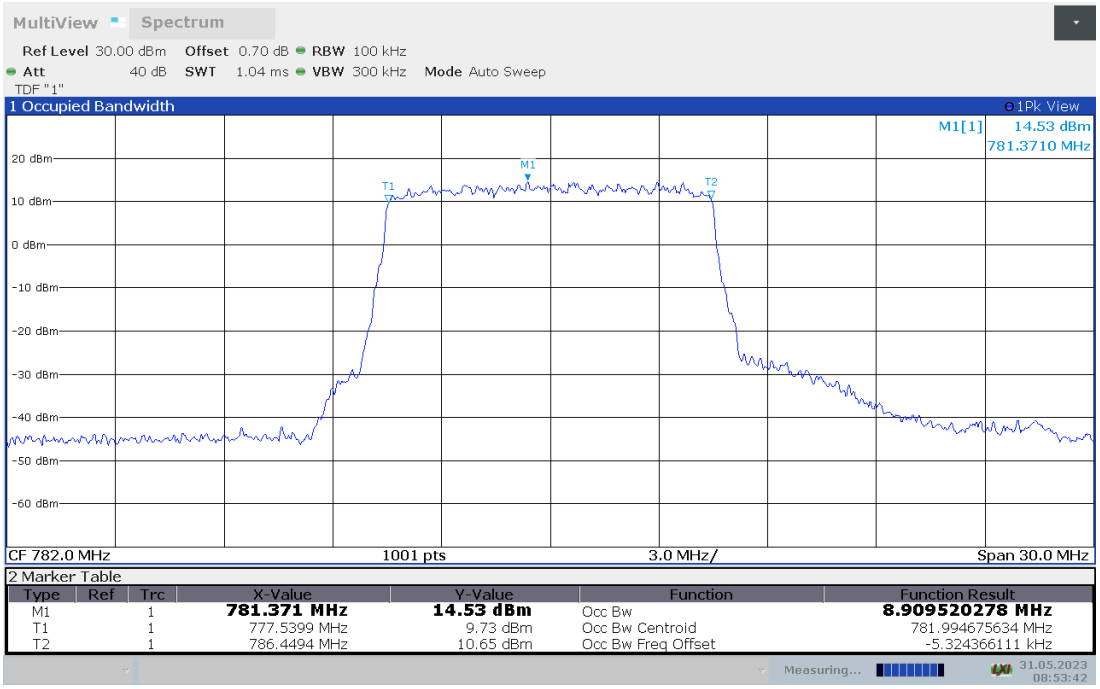
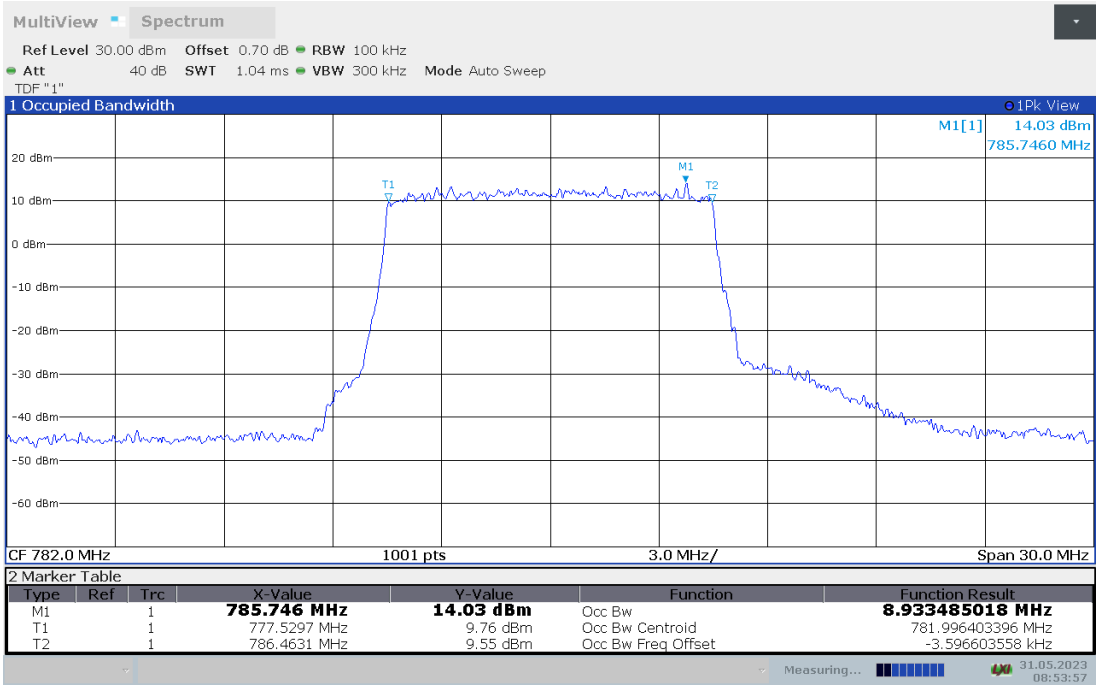
LTE band 13,10MHz(99% BW)

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)	
	QPSK	16QAM
782	8.910	8.933

LTE band 13 , 10MHz Bandwidth, MID, QPSK (99% BW)



LTE band 13 , 10MHz Bandwidth,MID,16QAM (99% BW)



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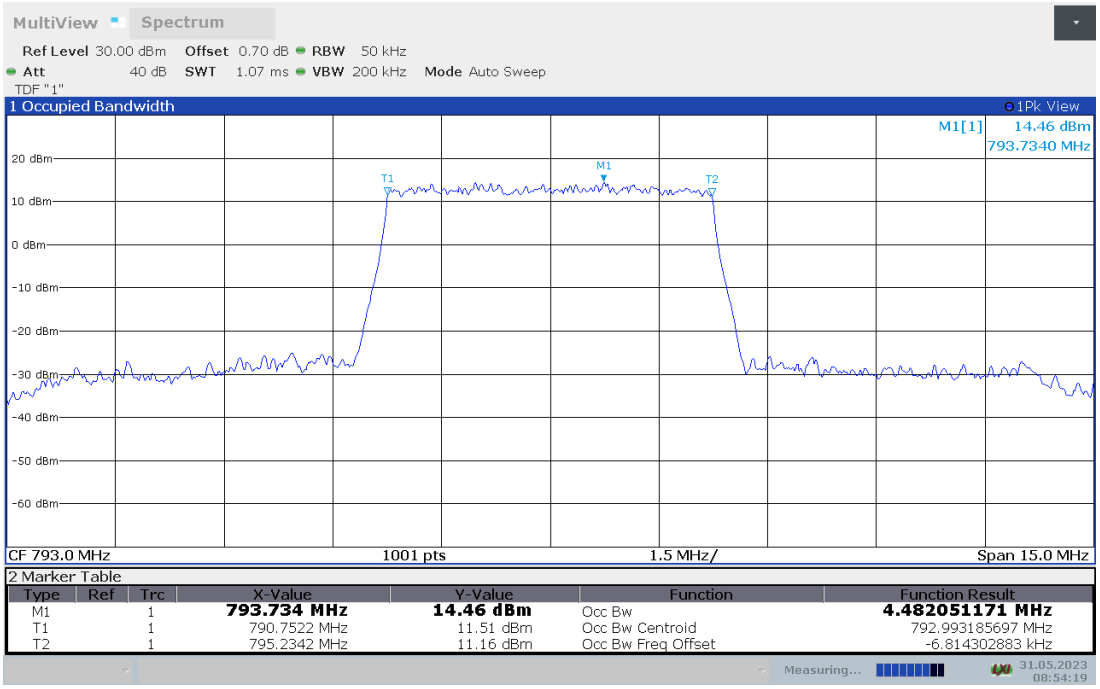
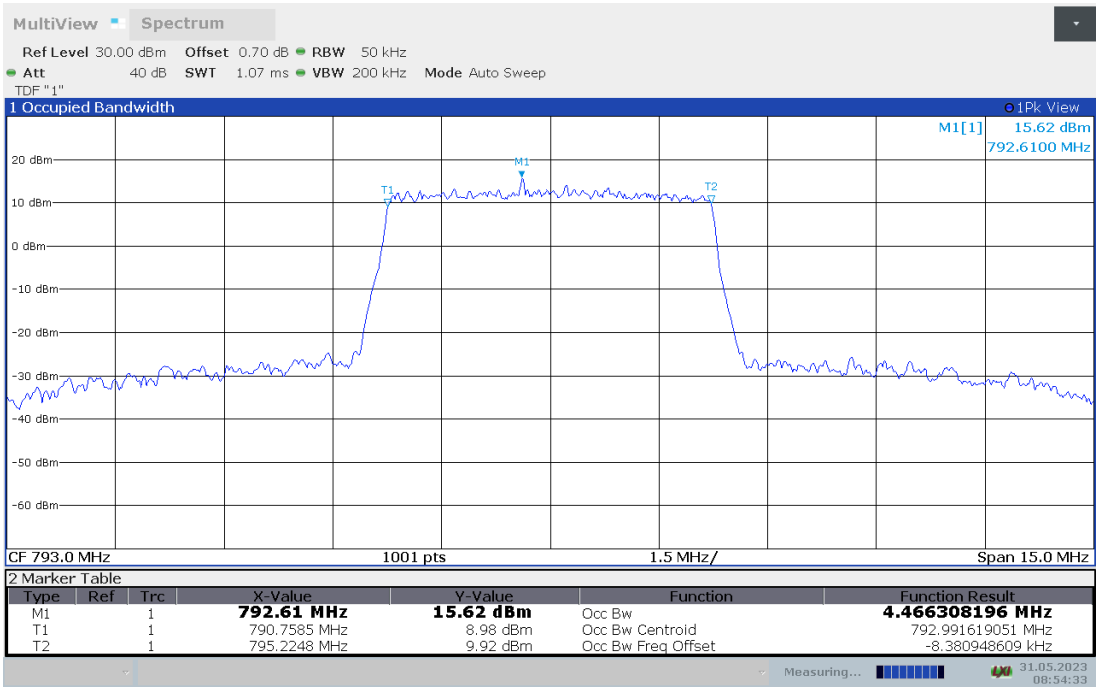
LTE band 14,5MHz(99% BW)

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)	
	QPSK	16QAM
793	4.482	4.466

LTE band 14 , 5MHz Bandwidth, MID, QPSK (99% BW)



LTE band 14 , 5MHz Bandwidth,MID,16QAM (99% BW)



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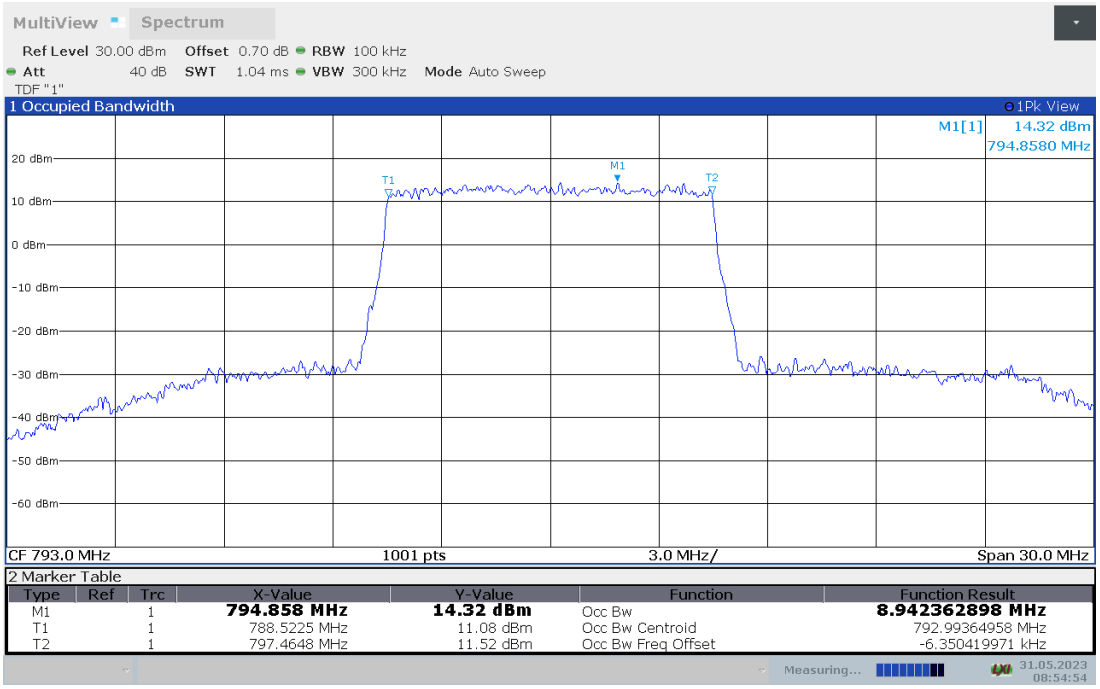
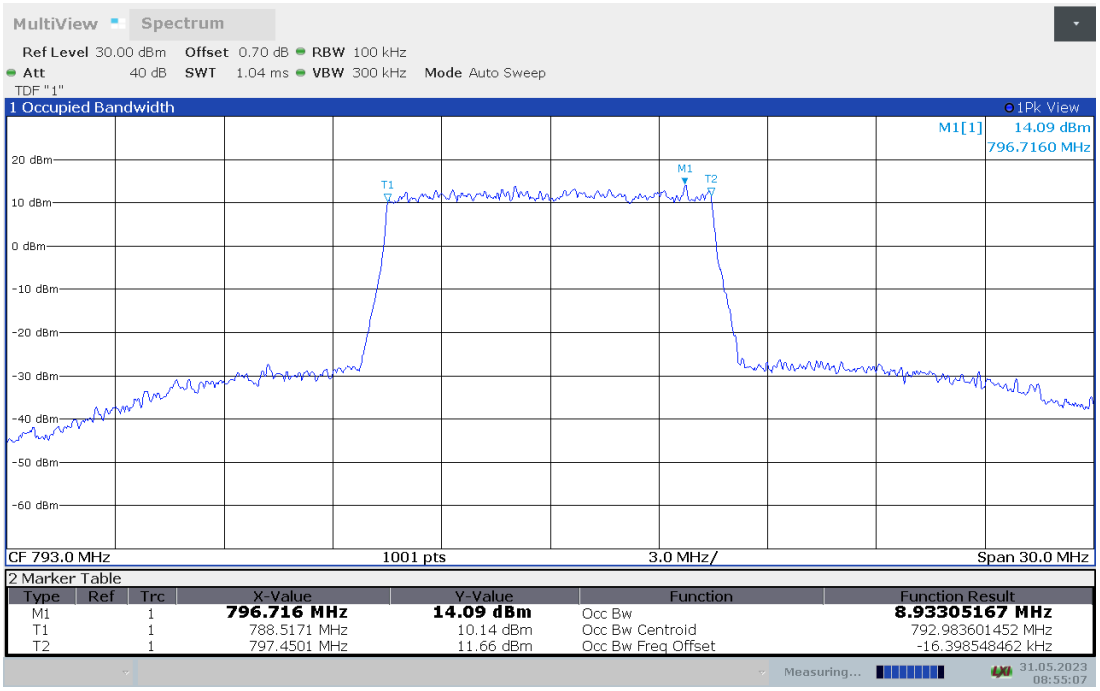
LTE band 14,10MHz(99% BW)

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)	
	QPSK	16QAM
793	8.942	8.933

LTE band 14 , 10MHz Bandwidth, MID, QPSK (99% BW)



LTE band 14 , 10MHz Bandwidth,MID,16QAM (99% BW)



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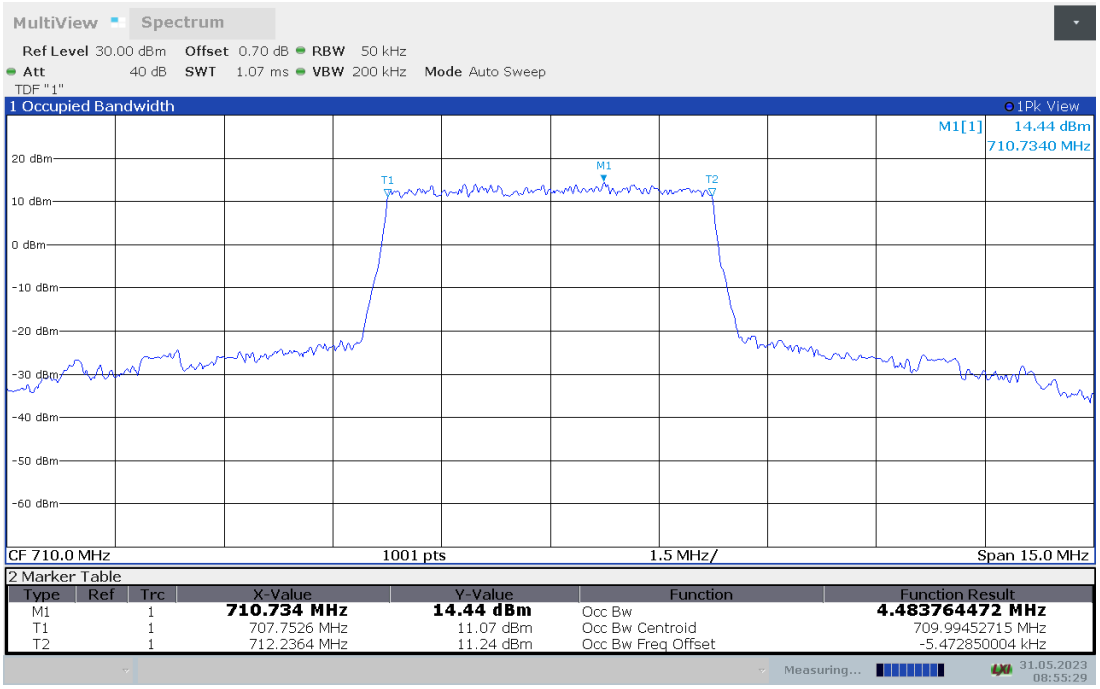
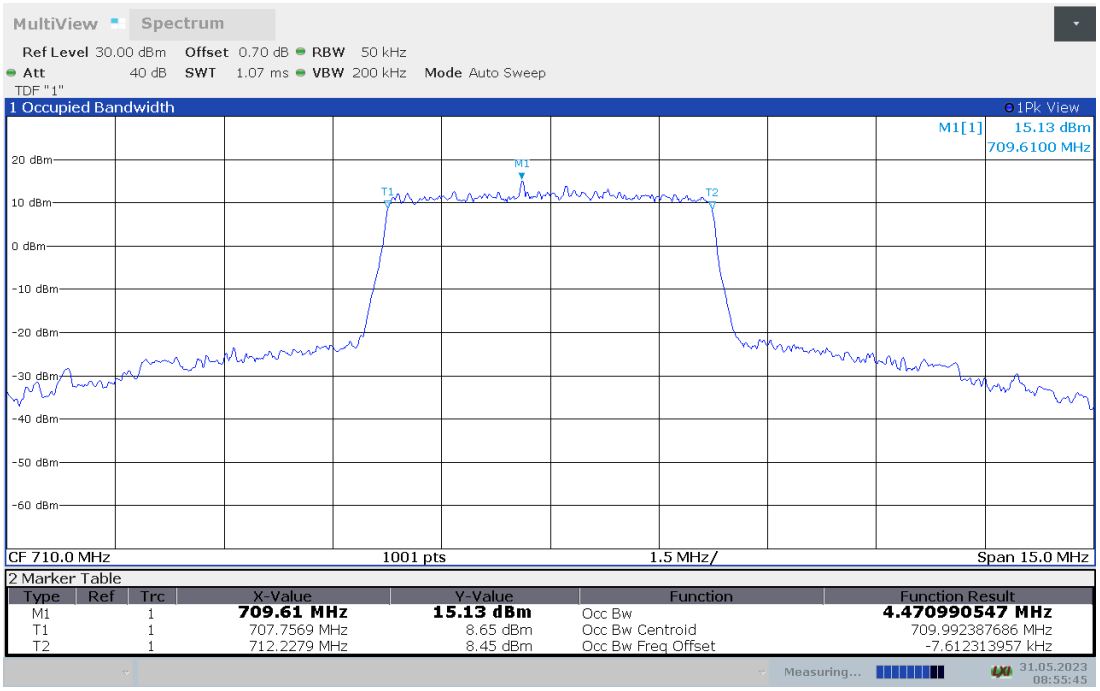
LTE band 17,5MHz(99% BW)

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)	
	QPSK	16QAM
710	4.484	4.471

LTE band 17 , 5MHz Bandwidth, MID, QPSK (99% BW)



LTE band 17 , 5MHz Bandwidth,MID,16QAM (99% BW)



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