



TEST REPORT

No.I23N02005-RF LTE

for

Schok LLC.

Smartphone

Model Name: SV67332

FCC ID: 2AM9L-SV67Q

with

Hardware Version: Q6703_V1.0

Software Version: SV67Q_01.01.04

Issued Date: 2023-12-25

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
I23N02005-RF LTE	Rev.0	1st edition	2023-12-25

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1. SUMMARY OF TEST REPORT

1.1. Test Items

Description	Smartphone
Model Name	SV67332
Brand Name	Schok
Applicant's name	Schok LLC.
Manufacturer's Name	Great Talent Technology Limited

1.2. Test Standards

FCC Part 22/24/27/90	10-1-22 Edition
FCC Part 2	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

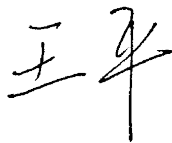
Address: Building G, Shenzhen International Innovation Center, No.1006 Shennan Road, Futian District, Shenzhen, Guangdong, P. R. China 518000

1.5. Project Data

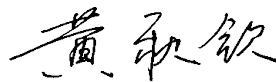
Testing Start Date: 2023-12-06

Testing End Date: 2023-12-21

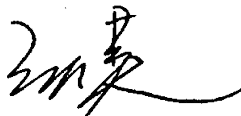
1.6. Signature



Wang Ping
(Prepared this test report)



Huang Qiuqin
(Reviewed this test report)



Zhang Hao
(Approved this test report)



2. CLIENT INFORMATION

2.1. Applicant Information

Company Name: Schok LLC.
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Fax: /

2.2. Manufacturer Information

Company Name: Great Talent Technology Limited
Address /Post: 35F,HBC HuiLong Center Building-II Minzhi Street, Longhua, Shenzhen, P.R.
China
Contact: Chunli He
Email: hchunli@unimaxcomm.com
Telephone: 0755-86638990
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3. EQUIPMENT UNDER TEST (EUT) AND ANCILLARY EQUIPMENT

(AE)

3.1. About EUT

Description	Smartphone
Model Name	SV67332
FCC ID	2AM9L-SV67Q
Frequency Bands	LTE Bands 2/4/5/12/13/25/26/41/66/71
Antenna	Integrated
Extreme vol. Limits	3.65V to 4.40V (nominal: 3.85V)
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
UT01aa	359341730782419	Q6703_V1.0	SV67Q_01.01.04	2023-12-06
UT10aa	358036140000094	Q6703_V1.0	SV67Q_01.01.04	2023-12-11

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

UT01aa are used for conduction test, UT10aa is used for radiation test.

3.3. Internal Identification of AE

AE ID*	Description
AE1	Battery
AE2	Charger
AE3	Data Cable

AE1

Model	SB500Q
Manufacturer	Shenbird New Energy (Huizhou) Co.,Ltd.
Capacity	5000mAh
Nominal Voltage	3.85 V

AE2

Model	TPA-46050200UU
Manufacturer	SHENZHEN TIANYIN ELECTRONICS CO.,LTD.

AE3

Model	L9
Manufacturer	Dongguan GuoJun Plastic Electronics Co.,Ltd

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

AE: ancillary equipment

3.4. General Description

The Equipment Under Test (EUT) is a model Mobile Phone with integrated antenna. It consists of normal options: lithium battery, charger. Manual and specifications of the EUT were provided to fulfil the test. Samples undergoing test were selected by the Client.

4. REFERENCE DOCUMENTS

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

Reference	Title	Version
FCC Part 22	PUBLIC MOBILE SERVICES	10-1-22 Edition
FCC Part 24	PERSONAL COMMUNICATIONS SERVICES	10-1-22 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	10-1-22 Edition
FCC Part 90	PRIVATE LAND MOBILE RADIO SERVICES	10-1-22 Edition
ANSI C63.26	American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services	2015
KDB971168 D01	Power Meas License Digital Systems	v03r01

5. LABORATORY ENVIRONMENT

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

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

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

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

6. SUMMARY OF TEST RESULTS

Abbreviations used in this clause:		
Verdict Column	P	Pass
	F	Fail
	NA	Not applicable
	NM	Not measured

LTE Band 2

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

LTE Band 4

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

LTE band 5

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

LTE Band 12

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

LTE Band 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 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

LTE Band 41

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

LTE Band 66

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

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

7. STATEMENT

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

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

8. TEST EQUIPMENTS UTILIZED

No.	Description	Type	Manufacture	Series Number	Cal Due Date
1	Test Receiver	ESR7	R&S	101676	2024-11-22
2	BiLog Antenna	3142E	ETS-Lindgren	0224831	2024-05-27
3	Horn Antenna	3117	ETS-Lindgren	00066577	2025-04-17
4	Horn Antenna	QSH-SL-18-2 6-S-20	Q-par	17013	2026-02-01
5	Horn Antenna	QSH-SL-26- 40-K-20	Q-par	17014	2026-01-30
6	Antenna	BBHA 9120D	Schwarzbeck	1593	2025-10-24
7	Antenna	QWH-SL-18-4 0-K-SG	Q-par	15979	2026-01-30
8	preamplifier	83017A	Agilent	MY39501110	/
9	Signal Generator	SMB100A	R&S	179725	2024-11-22
10	Anechoic Chamber	FACT3-2.0	ETS-Lindgren	1285	2025-05-28
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	2024-07-13
14	Universal Radio Communication Tester	CMW500	R&S	168719	2024-03-23
15	Universal Radio Communication Tester	E7515B	Keysight	MY59322022	2024-02-13
16	Universal Radio Communication Tester	CMW500	R&S	129146	2024-04-24
17	Spectrum Analyzer	FSW26	R&S	102197	2024-11-24
18	Temperature Chamber	SH-241	ESPEC	92007516	2024-10-15
19	DC Power Supply	U3606A	Agilent Technologies	MY50450012	2024-11-13

Test software

Item	Name	Version
Radiated	EMC32	V10.50.40

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 bandwidth.

A.1.2.2 Measurement result

LTE band 2

Bandwidth	RB size/offset	Frequency(MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
1.4MHz	1 RB high	1909.3	22.33	21.34	20.82
		1880.0	22.54	21.74	20.88
		1850.7	22.48	21.26	20.79
	1 RB low	1909.3	22.22	21.37	20.72
		1880.0	22.46	21.72	20.45
		1850.7	22.45	21.23	20.69
	50% RB mid	1909.3	22.40	21.62	20.39
		1880.0	22.56	21.67	20.49
		1850.7	22.56	21.52	20.38
	100% RB	1909.3	21.41	20.40	19.20
		1880.0	21.61	20.45	19.45
		1850.7	21.57	20.59	19.30
3MHz	1 RB high	1908.5	22.27	21.37	20.25
		1880.0	22.60	21.69	20.50
		1851.5	22.53	21.46	20.52
	1 RB low	1908.5	22.34	21.29	20.40
		1880.0	22.62	21.16	20.38
		1851.5	22.62	21.24	20.33
	50% RB mid	1908.5	21.36	20.46	19.27
		1880.0	21.52	20.60	19.31
		1851.5	21.48	20.35	19.58
	100% RB	1908.5	21.36	20.42	19.37
		1880.0	21.55	20.53	19.64
		1851.5	21.56	20.46	19.58
5MHz	1 RB high	1907.5	22.18	21.39	20.18

Bandwidth	RB size/offset	Frequency(MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
		1880.0	22.45	21.30	20.71
		1852.5	22.50	21.36	20.76
		1907.5	22.19	21.26	20.28
	1 RB low	1880.0	22.41	21.09	20.35
		1852.5	22.38	21.41	19.63
		1907.5	21.35	20.41	19.48
	50% RB mid	1880.0	21.65	20.61	19.48
		1852.5	21.50	20.25	19.41
		1907.5	21.34	20.31	19.33
	100% RB	1880.0	21.60	20.41	19.28
		1852.5	21.58	20.26	19.30
		1905.0	22.37	21.36	20.23
10MHz	1 RB high	1880.0	22.60	21.42	20.56
		1855.0	22.67	21.43	20.79
		1905.0	22.41	21.43	20.38
	1 RB low	1880.0	22.42	21.49	20.60
		1855.0	22.60	21.55	20.55
		1905.0	21.40	20.36	19.22
	50% RB mid	1880.0	21.57	20.58	19.72
		1855.0	21.56	20.69	19.73
		1905.0	21.38	20.36	19.35
	100% RB	1880.0	21.59	20.36	19.53
		1855.0	21.61	20.47	19.49
		1902.5	22.54	21.17	20.39
15MHz	1 RB high	1880.0	22.71	21.40	20.88
		1857.5	22.66	21.50	20.72
		1902.5	22.52	21.29	20.47
	1 RB low	1880.0	22.68	21.38	20.62
		1857.5	22.55	21.51	20.65
		1902.5	21.48	20.41	19.52
	50% RB mid	1880.0	21.61	20.57	19.64
		1857.5	21.61	20.44	19.60
		1902.5	21.41	20.48	19.33
	100% RB	1880.0	21.61	20.51	19.53
		1857.5	21.67	20.59	19.58
		1900.0	22.50	21.29	20.56
20MHz	1 RB high	1880.0	22.72	21.38	20.73

Bandwidth	RB size/offset	Frequency(MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
	1 RB low	1860.0	22.67	21.52	20.82
		1900.0	22.77	21.18	20.49
		1880.0	22.72	21.33	20.51
		1860.0	22.44	21.22	20.37
	50% RB mid	1900.0	21.71	20.60	19.56
		1880.0	21.73	20.61	19.69
		1860.0	21.63	20.62	19.51
	100% RB	1900.0	21.59	20.51	19.48
		1880.0	21.61	20.51	19.64
		1860.0	21.64	20.61	19.63

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

LTE band 4

Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
1.4MHz	1 RB high	1754.3	21.61	20.47	19.19
		1732.5	21.71	20.73	19.75
		1710.7	21.69	20.66	19.87
	1 RB low	1754.3	21.67	20.44	19.58
		1732.5	21.75	20.78	19.84
		1710.7	21.62	20.52	19.78
	50% RB mid	1754.3	21.70	20.59	19.74
		1732.5	21.81	20.71	19.86
		1710.7	21.59	20.66	19.75
	100% RB	1754.3	20.50	19.48	18.48
		1732.5	20.77	19.51	18.75
		1710.7	20.65	19.60	18.65
3MHz	1 RB high	1753.5	21.56	20.39	19.57
		1732.5	21.74	20.66	19.89
		1711.5	21.65	20.61	19.79
	1 RB low	1753.5	21.60	20.28	19.23
		1732.5	21.81	20.78	19.96
		1711.5	21.52	20.27	19.30
	50% RB mid	1753.5	20.48	19.41	18.63
		1732.5	20.73	19.74	18.60
		1711.5	20.70	19.62	18.76
	100% RB	1753.5	20.51	19.66	18.52
		1732.5	20.78	19.82	18.94
		1711.5	20.63	19.72	18.68
5MHz	1 RB high	1752.5	21.64	20.36	20.20
		1732.5	21.66	20.62	19.71
		1712.5	21.55	20.49	19.20
	1 RB low	1752.5	21.79	20.55	19.57
		1732.5	21.83	20.67	19.80
		1712.5	21.69	20.19	19.87
	50% RB mid	1752.5	20.70	19.62	18.62
		1732.5	20.80	19.70	18.90
		1712.5	20.64	19.79	18.84
	100% RB	1752.5	20.63	19.67	18.64
		1732.5	20.79	19.97	18.98
		1712.5	20.66	19.54	18.62
10MHz	1 RB high	1750.0	21.65	20.93	19.55
		1732.5	21.65	20.42	19.66
		1715.0	21.89	20.61	19.71

Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
	1 RB low	1750.0	21.84	20.88	20.42
		1732.5	21.78	20.54	19.78
		1715.0	21.78	20.59	19.69
	50% RB mid	1750.0	20.74	19.72	18.96
		1732.5	20.76	19.96	18.54
		1715.0	20.73	19.91	18.90
	100% RB	1750.0	20.69	19.69	18.72
		1732.5	20.77	19.90	18.80
		1715.0	20.69	19.60	18.81
15MHz	1 RB high	1747.5	21.82	20.57	20.02
		1732.5	21.78	20.44	19.97
		1717.5	21.85	20.55	20.18
	1 RB low	1747.5	21.80	20.83	20.04
		1732.5	21.72	20.59	20.14
		1717.5	21.80	20.44	19.88
	50% RB mid	1747.5	20.68	19.78	18.80
		1732.5	20.83	19.84	18.91
		1717.5	20.71	19.57	18.89
	100% RB	1747.5	20.67	19.89	18.74
		1732.5	20.83	19.75	18.78
		1717.5	20.67	19.73	18.69
20MHz	1 RB high	1745.0	21.66	20.53	20.00
		1732.5	21.78	20.89	19.98
		1720.0	21.89	20.82	20.06
	1 RB low	1745.0	21.89	20.93	20.06
		1732.5	21.93	20.75	19.86
		1720.0	21.90	20.70	19.68
	50% RB mid	1745.0	20.83	19.93	18.87
		1732.5	20.85	19.91	18.75
		1720.0	20.81	19.67	18.77
	100% RB	1745.0	20.77	19.83	18.86
		1732.5	20.79	19.94	18.86
		1720.0	20.70	19.64	18.74

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

LTE band 5

Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
1.4MHz	1 RB high	848.3	22.44	21.25	20.46
		836.5	22.43	21.49	20.31
		824.7	22.39	21.81	20.20
	1 RB low	848.3	22.38	21.34	20.49
		836.5	22.37	21.69	20.55
		824.7	22.34	21.76	20.66
	50% RB mid	848.3	22.45	21.63	19.89
		836.5	22.46	21.45	20.15
		824.7	22.44	21.40	20.40
	100% RB	848.3	21.51	20.49	19.34
		836.5	21.47	20.43	19.31
		824.7	21.44	20.02	19.29
3MHz	1 RB high	847.5	22.46	21.57	20.65
		836.5	22.37	21.23	20.41
		825.5	22.30	21.17	20.32
	1 RB low	847.5	22.48	21.13	20.31
		836.5	22.53	21.20	20.19
		825.5	22.20	21.12	20.29
	50% RB mid	847.5	21.65	20.49	19.41
		836.5	21.55	20.61	18.15
		825.5	21.42	20.52	19.18
	100% RB	847.5	21.46	20.30	19.41
		836.5	21.47	20.36	19.45
		825.5	21.39	20.18	19.46
5MHz	1 RB high	846.5	22.36	21.38	20.95
		836.5	22.30	21.37	20.31
		826.5	22.27	21.29	20.69
	1 RB low	846.5	22.11	21.19	19.45
		836.5	22.42	21.12	19.48
		826.5	22.21	21.28	19.54
	50% RB mid	846.5	21.41	20.35	19.35
		836.5	21.55	20.38	19.57
		826.5	21.38	20.32	19.54
	100% RB	846.5	21.37	20.35	19.24
		836.5	21.48	20.25	19.43
		826.5	21.41	20.56	19.55
10MHz	1 RB high	844.0	22.46	21.53	20.43
		836.5	22.44	21.36	20.42
		829.0	22.56	21.45	20.53

Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
	1 RB low	844.0	22.20	21.07	20.45
		836.5	22.20	21.40	20.31
		829.0	22.37	21.14	20.42
	50% RB mid	844.0	21.40	20.51	19.79
		836.5	21.48	20.54	19.56
		829.0	21.38	20.37	19.36
	100% RB	844.0	21.40	20.32	19.61
		836.5	21.45	20.41	19.52
		829.0	21.42	20.41	19.53

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

LTE band 12

Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
1.4MHz	1 RB high	715.3	22.91	21.55	20.90
		707.5	22.79	21.95	21.13
		699.7	22.82	21.56	21.32
	1 RB low	715.3	22.85	21.78	20.99
		707.5	22.86	22.14	21.11
		699.7	22.72	21.48	21.14
	50% RB mid	715.3	23.09	21.98	20.76
		707.5	22.88	21.83	20.71
		699.7	22.74	21.75	20.91
	100% RB	715.3	21.85	20.95	19.87
		707.5	21.75	20.74	19.77
		699.7	21.87	20.89	19.70
3MHz	1 RB high	714.5	22.81	21.69	20.85
		707.5	22.82	22.03	20.87
		700.5	22.66	21.85	20.74
	1 RB low	714.5	22.87	21.60	20.75
		707.5	22.83	21.92	20.73
		700.5	22.85	21.57	20.86
	50% RB mid	714.5	21.95	20.96	19.86
		707.5	21.93	20.81	19.87
		700.5	21.85	21.05	19.81
	100% RB	714.5	21.84	20.83	19.90
		707.5	21.85	20.89	19.89
		700.5	21.85	20.79	19.89
5MHz	1 RB high	713.5	22.73	21.77	20.72
		707.5	22.74	21.71	20.70
		701.5	22.88	21.54	20.87
	1 RB low	713.5	22.68	21.65	20.67
		707.5	22.67	21.56	20.77
		701.5	22.61	21.58	20.73
	50% RB mid	713.5	21.80	20.69	19.95
		707.5	21.82	20.84	20.01
		701.5	21.86	20.81	19.63
	100% RB	713.5	21.71	20.97	19.93
		707.5	21.75	20.76	19.72
		701.5	21.79	20.82	20.02
10MHz	1 RB high	711.0	22.78	21.88	20.76

Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
		707.5	22.80	21.75	20.77
		704.0	22.79	21.82	20.84
	1 RB low	711.0	22.60	21.72	20.75
		707.5	22.46	21.60	20.73
		704.0	22.65	21.56	20.59
	50% RB mid	711.0	21.89	20.86	20.07
		707.5	21.84	20.65	19.96
		704.0	21.81	20.97	20.04
	100% RB	711.0	21.86	20.94	19.85
		707.5	21.86	20.85	19.94
		704.0	21.88	20.96	19.83

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

LTE band 13

Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
5MHz	1 RB high	784.5	22.82	21.70	20.68
		782.0	22.88	21.60	20.76
		779.5	22.69	21.58	20.87
	1 RB low	784.5	22.76	21.53	20.82
		782.0	22.72	21.94	20.75
		779.5	22.77	21.75	21.00
	50% RB mid	784.5	21.80	20.91	19.96
		782.0	21.89	20.72	20.04
		779.5	21.99	21.05	19.92
	100% RB	784.5	21.84	21.07	19.94
		782.0	21.86	20.70	19.96
		779.5	21.94	21.00	20.00
10MHz	1 RB high	782.0	22.87	21.91	20.84
	1 RB low	782.0	22.87	21.98	21.09
	50% RB mid	782.0	21.84	21.01	19.92
	100% RB	782.0	21.85	20.85	19.78

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

LTE band 25

Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
1.4MHz	1RB-High (5)	1914.3	21.96	21.10	20.63
		1882.5	21.95	21.07	19.75
		1850.7	22.38	21.55	20.70
	1RB-Low (0)	1914.3	22.06	20.95	20.50
		1882.5	22.06	21.17	19.92
		1850.7	22.35	21.74	20.70
	3RB-Middle (1)	1914.3	22.10	21.27	20.09
		1882.5	22.19	21.22	20.15
		1850.7	22.38	21.23	20.44
	6RB (0)	1914.3	21.14	20.18	19.05
		1882.5	21.24	20.21	19.04
		1850.7	21.46	20.40	19.15
3MHz	1RB-High (14)	1913.5	22.24	21.26	20.47
		1882.5	22.08	20.80	20.09
		1851.5	22.06	21.00	20.28
	1RB-Low (0)	1913.5	22.22	21.23	20.27
		1882.5	22.12	20.91	20.18
		1851.5	22.16	21.17	20.43
	8RB-Middle (4)	1913.5	21.35	20.19	19.04
		1882.5	21.14	20.14	19.04
		1851.5	21.38	20.28	19.20
	15RB (0)	1913.5	21.22	20.27	19.27
		1882.5	21.25	20.16	19.31
		1851.5	21.43	20.19	19.53
5MHz	1RB-High (24)	1912.5	21.95	21.10	19.73
		1882.5	21.91	20.92	19.98
		1852.5	22.08	21.08	19.65
	1RB-Low (0)	1912.5	22.00	20.85	20.19
		1882.5	21.94	20.82	20.08
		1852.5	22.33	21.20	20.20
	12RB-Middle (6)	1912.5	21.18	20.24	19.28
		1882.5	21.21	20.22	19.33
		1852.5	21.25	20.30	19.24
	25RB (0)	1912.5	21.17	20.11	18.99
		1882.5	21.15	20.16	19.29
		1852.5	21.21	20.37	19.04
10MHz	1RB-High (49)	1910.0	22.34	21.41	20.16
		1882.5	22.09	20.97	20.10
		1855.0	22.18	21.19	20.31

Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
	1RB-Low (0)	1910.0	22.15	21.18	20.14
		1882.5	22.35	21.29	20.24
		1855.0	22.25	21.36	20.34
	25RB-Middle (12)	1910.0	21.24	20.27	19.25
		1882.5	21.26	20.30	19.41
		1855.0	21.30	20.14	19.08
	50RB (0)	1910.0	21.23	20.28	19.16
		1882.5	21.23	20.25	19.18
		1855.0	21.28	20.24	19.45
15MHz	1RB-High (74)	1907.5	22.15	21.12	20.27
		1882.5	21.79	20.94	20.10
		1857.5	22.18	21.18	20.59
	1RB-Low (0)	1907.5	21.98	20.98	20.14
		1882.5	22.36	21.21	20.31
		1857.5	22.45	21.38	20.44
	36RB-Middle (19)	1907.5	21.19	20.23	19.38
		1882.5	21.20	20.21	19.28
		1857.5	21.32	20.38	19.44
	75RB (0)	1907.5	21.19	20.15	19.15
		1882.5	21.21	20.23	19.07
		1857.5	21.27	20.18	19.12
20MHz	1RB-High (99)	1905.0	22.20	21.10	20.06
		1882.5	22.10	20.83	20.39
		1860.0	21.92	20.97	20.42
	1RB-Low (0)	1905.0	22.21	21.03	20.19
		1882.5	22.43	21.14	20.40
		1860.0	22.34	21.25	20.44
	50RB-Middle (25)	1905.0	21.23	20.25	19.12
		1882.5	21.22	20.27	19.16
		1860.0	21.32	20.37	19.23
	100RB (0)	1905.0	21.25	20.15	19.28
		1882.5	21.19	20.22	19.21
		1860.0	21.32	20.24	19.22

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

LTE band 26(814MHz-824MHz)

Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
1.4MHz	1 RB high	823.3	22.66	21.33	20.78
		819.0	22.68	21.46	21.07
		814.7	22.82	21.60	20.99
	1 RB low	823.3	22.72	21.81	20.65
		819.0	22.74	21.69	20.78
		814.7	22.94	21.72	21.04
	50% RB mid	823.3	22.71	21.65	20.67
		819.0	22.97	21.98	20.72
		814.7	23.08	21.94	20.95
	100% RB	823.3	21.69	20.86	19.67
		819.0	21.77	20.85	19.64
		814.7	21.79	20.83	19.73
3MHz	1 RB high	822.5	22.81	21.46	20.64
		819.0	22.62	21.51	20.76
		815.5	22.69	21.44	20.68
	1 RB low	822.5	22.69	21.46	20.54
		819.0	22.65	21.59	21.11
		815.5	22.82	21.48	21.11
	50% RB mid	822.5	21.68	20.88	19.69
		819.0	21.70	20.71	19.71
		815.5	21.72	20.63	19.73
	100% RB	822.5	21.69	20.52	19.74
		819.0	21.72	20.80	19.78
		815.5	21.72	20.73	19.93
5MHz	1 RB high	821.5	22.68	21.53	20.80
		819.0	22.71	21.29	20.62
		816.5	22.73	21.35	20.66
	1 RB low	821.5	22.52	21.66	20.83
		819.0	22.70	21.65	20.60
		816.5	22.84	21.53	20.61
	50% RB mid	821.5	21.81	20.91	19.76
		819.0	21.72	20.71	19.61
		816.5	21.78	20.73	19.93
	100% RB	821.5	21.57	20.68	19.84
		819.0	21.75	20.91	20.00
		816.5	21.73	20.70	19.92

Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
10MHz	1 RB high	819.0	22.85	21.97	20.66
		819.0	22.93	21.79	20.80
		819.0	22.66	21.84	20.75
	1 RB low	819.0	22.87	21.61	20.62
		821.5	22.78	21.58	20.64
		819.0	22.46	21.69	20.64
	50% RB mid	816.5	21.75	20.74	19.83
		821.5	21.67	20.93	19.96
		819.0	21.69	20.83	19.99
	100% RB	816.5	21.71	20.69	19.85
		821.5	21.68	20.67	19.76
		819.0	21.68	20.51	19.69

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

LTE band 26(824MHz-849MHz)

Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
1.4MHz	1 RB high	848.3	22.68	21.39	20.86
		836.5	22.66	21.53	21.10
		824.7	22.81	21.58	21.04
	1 RB low	848.3	22.70	21.82	20.64
		836.5	22.73	21.66	20.83
		824.7	22.90	21.80	21.01
	50% RB mid	848.3	22.70	21.66	20.75
		836.5	23.04	21.93	20.69
		824.7	23.05	21.87	20.89
	100% RB	848.3	21.66	20.87	19.62
		836.5	21.70	20.82	19.68
		824.7	21.73	20.81	19.70
3MHz	1 RB high	847.5	22.73	21.54	20.72
		836.5	22.69	21.52	20.82
		825.5	22.77	21.50	20.70
	1 RB low	847.5	22.75	21.42	20.61
		836.5	22.73	21.52	21.12
		825.5	22.79	21.44	21.15
	50% RB mid	847.5	21.62	20.81	19.76
		836.5	21.72	20.68	19.74
		825.5	21.73	20.70	19.75
	100% RB	847.5	21.68	20.55	19.67
		836.5	21.74	20.85	19.70
		825.5	21.76	20.72	19.87
5MHz	1 RB high	846.5	22.76	21.59	20.83
		836.5	22.73	21.35	20.59
		826.5	22.70	21.39	20.65
	1 RB low	846.5	22.55	21.61	20.89
		836.5	22.63	21.66	20.62
		826.5	22.91	21.57	20.58
	50% RB mid	846.5	21.73	20.86	19.78
		836.5	21.74	20.76	19.65
		826.5	21.77	20.71	19.88
	100% RB	846.5	21.64	20.62	19.80
		836.5	21.68	20.89	19.93
		826.5	21.72	20.64	19.85
10MHz	1 RB high	844.0	22.81	21.92	20.73

Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
		836.5	22.89	21.87	20.81
		829.0	22.68	21.82	20.73
		844.0	22.88	21.53	20.61
	1 RB low	836.5	22.76	21.57	20.66
		829.0	22.47	21.64	20.67
		844.0	21.70	20.72	19.84
	50% RB mid	836.5	21.72	21.01	19.99
		829.0	21.74	20.90	19.94
		844.0	21.72	20.68	19.81
	100% RB	836.5	21.72	20.75	19.80
		829.0	21.74	20.56	19.74
		841.5	22.63	21.56	20.95
15MHz	1 RB high	836.5	22.87	21.82	21.22
		831.5	22.87	21.76	20.78
		841.5	22.88	21.63	20.73
	1 RB low	836.5	22.77	21.72	20.58
		831.5	22.72	21.55	21.11
		841.5	21.81	20.77	19.93
	50% RB mid	836.5	21.79	20.79	19.93
		831.5	21.80	20.81	20.04
		841.5	21.73	20.72	20.10
	100% RB	836.5	21.74	20.72	19.73
		831.5	21.79	20.79	19.86
		841.5	21.73	20.72	20.10

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

LTE band 41

Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
5MHz	1 RB high	2687.5	22.49	21.57	20.12
		2593.0	22.39	21.57	20.11
		2498.5	22.49	21.49	20.27
	1 RB low	2687.5	22.33	21.46	19.99
		2593.0	22.41	20.90	19.92
		2498.5	22.34	21.60	20.18
	50% RB mid	2687.5	21.56	20.41	19.52
		2593.0	21.50	20.52	19.70
		2498.5	21.64	20.62	19.42
	100% RB	2687.5	21.49	20.44	19.59
		2593.0	21.50	20.40	19.92
		2498.5	21.61	20.65	19.65
10MHz	1 RB high	2685.0	22.47	21.68	20.59
		2593.0	22.41	20.99	20.12
		2501.0	22.40	21.53	20.23
	1 RB low	2685.0	22.55	21.69	20.09
		2593.0	22.47	21.07	20.10
		2501.0	22.38	21.68	20.07
	50% RB mid	2685.0	21.50	20.51	19.79
		2593.0	21.43	20.85	19.58
		2501.0	21.63	20.57	19.43
	100% RB	2685.0	21.55	20.60	19.52
		2593.0	21.53	20.49	19.64
		2501.0	21.49	20.63	19.58
15MHz	1 RB high	2682.5	22.51	21.59	20.11
		2593.0	22.34	21.17	20.46
		2503.5	22.45	21.36	20.07
	1 RB low	2682.5	22.52	21.77	20.26
		2593.0	22.43	21.06	20.02
		2503.5	22.39	21.57	19.94
	50% RB mid	2682.5	21.58	20.43	19.49
		2593.0	21.55	20.51	19.65
		2503.5	21.49	20.46	19.54

Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
	100% RB	2682.5	21.53	20.47	19.54
		2593.0	21.56	20.59	19.67
		2503.5	21.49	20.72	19.65
20MHz	1 RB high	2680.0	22.24	21.13	20.39
		2593.0	22.19	21.12	19.98
		2506.0	22.19	21.58	19.90
	1 RB low	2680.0	22.50	21.37	20.55
		2593.0	22.18	21.34	20.20
		2506.0	22.24	21.13	19.96
	50% RB mid	2680.0	21.52	20.71	19.43
		2593.0	21.40	20.58	19.72
		2506.0	21.45	20.59	19.41
	100% RB	2680.0	21.55	20.83	19.54
		2593.0	21.36	20.43	19.67
		2506.0	21.48	20.53	19.37

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

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Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
1.4MHz	1 RB high	1779.3	21.93	21.29	20.52
		1745.0	22.35	21.59	20.32
		1710.7	22.04	21.24	20.16
	1 RB low	1779.3	22.33	21.34	20.18
		1745.0	22.17	21.67	20.59
		1710.7	22.06	21.17	20.53
	50% RB mid	1779.3	22.27	21.17	19.89
		1745.0	22.12	21.37	20.51
		1710.7	22.22	21.37	20.45
	100% RB	1779.3	21.29	20.33	19.23
		1745.0	21.33	20.33	19.11
		1710.7	21.14	20.09	18.93
3MHz	1 RB high	1778.5	22.25	21.57	20.15
		1745.0	22.22	21.07	20.33
		1711.5	22.05	20.97	20.01
	1 RB low	1778.5	22.24	21.32	20.35
		1745.0	22.34	21.08	20.26
		1711.5	22.18	21.04	20.16
	50% RB mid	1778.5	21.26	20.55	19.30
		1745.0	21.30	20.36	19.08
		1711.5	21.17	20.27	19.15
	100% RB	1778.5	21.34	20.30	19.43
		1745.0	21.25	20.28	19.49
		1711.5	21.21	20.21	19.12
5MHz	1 RB high	1777.5	22.05	21.01	20.02
		1745.0	21.91	21.01	20.17
		1712.5	21.97	20.89	19.99
	1 RB low	1777.5	22.13	21.23	20.08
		1745.0	22.15	21.36	20.11
		1712.5	21.90	21.02	20.01
	50% RB mid	1777.5	21.22	20.37	19.33
		1745.0	21.29	20.32	19.19
		1712.5	21.20	20.09	19.26
	100% RB	1777.5	21.22	20.15	19.48
		1745.0	21.26	20.17	19.26
		1712.5	21.18	20.32	19.25
10MHz	1 RB high	1775.0	22.04	21.18	20.09

Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
		1745.0	22.21	21.21	20.36
		1715.0	22.18	20.95	20.50
		1775.0	22.02	21.20	20.07
	1 RB low	1745.0	22.12	21.19	20.35
		1715.0	22.06	21.17	20.04
		1775.0	21.24	20.28	19.48
	50% RB mid	1745.0	21.31	20.60	19.37
		1715.0	21.16	20.10	19.33
		1775.0	21.32	20.26	19.37
	100% RB	1745.0	21.33	20.39	19.23
		1715.0	21.25	20.33	19.02
		1772.5	22.23	21.10	20.33
15MHz	1 RB high	1745.0	22.18	21.27	20.40
		1717.5	22.07	21.03	20.48
		1772.5	22.05	21.21	20.22
	1 RB low	1745.0	22.22	21.31	20.46
		1717.5	22.13	20.96	20.24
		1772.5	21.29	20.41	19.41
	50% RB mid	1745.0	21.33	20.34	19.44
		1717.5	21.18	20.15	19.08
		1772.5	21.30	20.34	19.51
	100% RB	1745.0	21.30	20.22	19.28
		1717.5	21.15	20.02	19.13
		1770.0	22.16	20.86	20.59
20MHz	1 RB high	1745.0	22.27	21.08	20.34
		1720.0	21.92	20.90	20.37
		1770.0	22.47	21.30	20.37
	1 RB low	1745.0	22.39	21.12	20.35
		1720.0	22.08	21.02	20.18
		1770.0	21.22	20.22	19.18
	50% RB mid	1745.0	21.30	20.32	19.25
		1720.0	21.16	20.14	19.05
		1770.0	21.21	20.27	19.23
	100% RB	1745.0	21.32	20.31	19.37
		1720.0	21.16	20.15	19.04
		1770.0	21.21	20.27	19.23

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

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Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
5MHz	1 RB high	690.5	22.60	21.34	20.55
		680.5	22.50	21.50	20.56
		670.5	22.49	21.55	20.61
	1 RB low	690.5	22.54	21.42	20.57
		680.5	22.54	21.56	20.53
		670.5	22.61	21.22	20.95
	50% RB mid	690.5	21.63	20.70	19.66
		680.5	21.77	20.54	19.64
		670.5	21.59	20.67	19.97
	100% RB	690.5	21.60	20.42	19.56
		680.5	21.73	20.57	19.69
		670.5	21.71	20.63	19.54
10MHz	1 RB high	688.0	22.58	21.47	20.64
		683.0	22.69	21.42	20.72
		673.0	22.89	21.74	20.76
	1 RB low	688.0	22.63	21.56	20.55
		683.0	22.71	21.56	20.78
		673.0	22.72	21.61	20.60
	50% RB mid	688.0	21.66	20.67	19.90
		683.0	21.71	20.77	19.59
		673.0	21.82	20.75	19.96
	100% RB	688.0	21.70	20.62	19.74
		683.0	21.73	20.70	19.72
		673.0	21.80	20.83	19.85
15MHz	1 RB high	695.5	22.46	21.61	21.36
		680.5	22.58	21.26	20.72
		665.5	22.84	21.60	21.08
	1 RB low	695.5	22.55	21.61	20.56
		680.5	22.48	21.64	20.78
		665.5	22.54	21.72	21.16
	50% RB mid	695.5	21.72	20.66	19.92
		680.5	21.75	20.68	19.73
		665.5	21.78	20.73	19.83
	100% RB	695.5	21.65	20.60	19.74
		680.5	21.74	20.88	19.68
		665.5	21.83	20.78	19.68
20MHz	1 RB high	693.0	22.73	21.55	20.64

Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
		680.5	22.80	21.33	20.87
		668.0	22.68	21.60	20.69
		693.0	22.55	21.58	20.69
	1 RB low	680.5	22.36	21.30	20.57
		668.0	22.65	21.51	20.47
		693.0	21.66	20.70	19.78
	50% RB mid	680.5	21.66	20.78	19.85
		668.0	21.74	20.78	19.78
		693.0	21.66	20.67	19.84
	100% RB	680.5	21.74	20.78	19.81
		668.0	21.84	20.85	19.98
		693.0	21.66	20.67	19.84

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

A.1.3 Radiated

A.1.3.1 Description

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

Rule Part 22.913(a) specifies "The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 Watts."

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(b) specifies "Portable stations (hand-held devices) transmitting in the 746–757 MHz, 776–788 MHz, and 805–806 MHz bands are limited to 3 watts ERP."

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

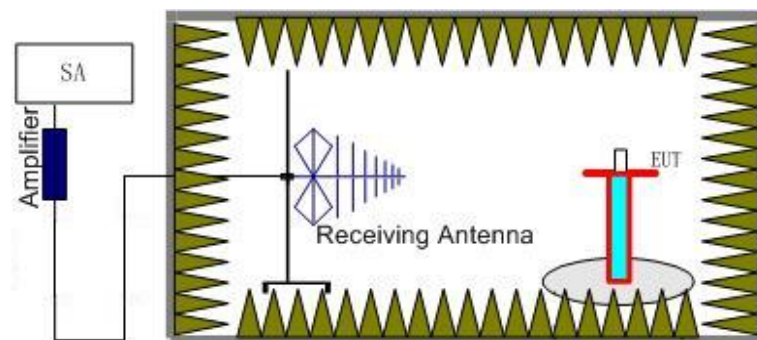
Rule Part 27.50(d) specifies "Fixed, mobile, and portable (handheld) stations operating in the 1710–1755 MHz band are limited to 1 watt EIRP".

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

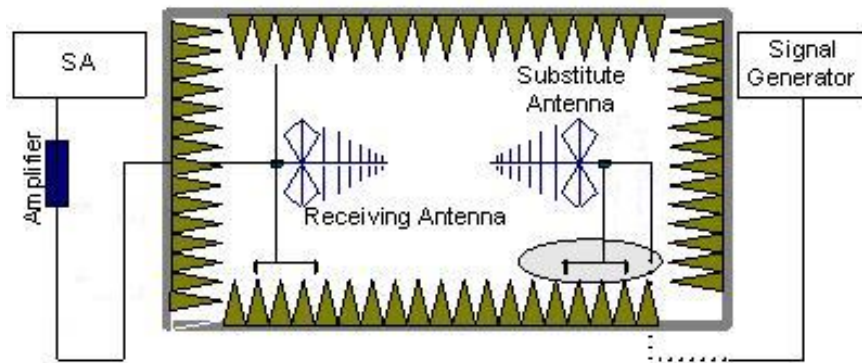
Rule Part 90.542 specifies "Portable stations (hand-held devices) transmitting in the 758-768 MHz band and the 788-798 MHz band are limited to 3 watts ERP."

A.1.3.2 Method of Measurement

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



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



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

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

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

The measurement results are obtained as described below:

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

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

A.1.3.3 Measurement result

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

Limits: $\leq 33\text{dBm}$ (2W)

LTE Band 2_1.4MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1850.70	-15.72	-29.30	8.10	21.68	33.00	H
1880.00	-15.61	-29.40	8.10	21.89	33.00	H
1909.30	-15.37	-29.30	8.10	22.03	33.00	H

LTE Band 2_3MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1851.50	-15.73	-29.30	8.10	21.67	33.00	H
1880.00	-15.59	-29.40	8.10	21.91	33.00	H
1908.50	-15.42	-29.30	8.10	21.98	33.00	H

LTE Band 2_5MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1852.50	-15.97	-29.30	8.10	21.43	33.00	H
1880.00	-15.81	-29.40	8.10	21.69	33.00	H
1907.50	-15.68	-29.30	8.10	21.72	33.00	H

LTE Band 2_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1855.00	-16.05	-29.30	8.10	21.35	33.00	H
1880.00	-15.97	-29.40	8.10	21.53	33.00	H
1905.00	-15.79	-29.30	8.10	21.61	33.00	H

LTE Band 2_15MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1857.50	-16.11	-29.30	8.10	21.29	33.00	H
1880.00	-16.07	-29.40	8.10	21.43	33.00	H
1902.50	-15.81	-29.30	8.10	21.59	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	-16.35	-29.30	8.10	21.05	33.00	H
1880.00	-16.25	-29.40	8.10	21.25	33.00	H
1900.00	-16.06	-29.30	8.10	21.34	33.00	H

LTE Band 2_1.4MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1850.70	-16.84	-29.30	8.10	20.56	33.00	H
1880.00	-16.70	-29.40	8.10	20.80	33.00	H
1909.30	-16.63	-29.30	8.10	20.77	33.00	H

LTE Band 2_3MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1851.50	-16.72	-29.30	8.10	20.68	33.00	H
1880.00	-16.71	-29.40	8.10	20.79	33.00	H
1908.50	-16.60	-29.30	8.10	20.80	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	-17.12	-29.30	8.10	20.28	33.00	H
1880.00	-16.98	-29.40	8.10	20.51	33.00	H
1907.50	-16.97	-29.30	8.10	20.43	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	-17.19	-29.30	8.10	20.21	33.00	H
1880.00	-17.10	-29.40	8.10	20.40	33.00	H
1905.00	-16.92	-29.30	8.10	20.48	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	-17.32	-29.30	8.10	20.08	33.00	H
1880.00	-17.29	-29.40	8.10	20.21	33.00	H
1902.50	-17.02	-29.30	8.10	20.38	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	-17.54	-29.30	8.10	19.86	33.00	H
1880.00	-17.51	-29.40	8.10	19.99	33.00	H
1900.00	-17.25	-29.30	8.10	20.15	33.00	H

LTE Band 2_1.4MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1850.70	-18.05	-29.30	8.10	19.35	33.00	H
1880.00	-17.80	-29.40	8.10	19.70	33.00	H
1909.30	-17.65	-29.30	8.10	19.75	33.00	H

LTE Band 2_3MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1851.50	-18.10	-29.30	8.10	19.30	33.00	H
1880.00	-18.09	-29.40	8.10	19.41	33.00	H
1908.50	-17.78	-29.30	8.10	19.62	33.00	H

LTE Band 2_5MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1852.50	-18.44	-29.30	8.10	18.96	33.00	H
1880.00	-18.31	-29.40	8.10	19.19	33.00	H
1907.50	-18.30	-29.30	8.10	19.10	33.00	H

LTE Band 2_10MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1855.00	-18.56	-29.30	8.10	18.84	33.00	H
1880.00	-18.48	-29.40	8.10	19.02	33.00	H
1905.00	-18.40	-29.30	8.10	19.00	33.00	H

LTE Band 2_15MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1857.50	-18.61	-29.30	8.10	18.79	33.00	H
1880.00	-18.58	-29.40	8.10	18.92	33.00	H
1902.50	-18.52	-29.30	8.10	18.88	33.00	H

LTE Band 2_20MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1860.00	-18.88	-29.30	8.10	18.52	33.00	H
1880.00	-18.85	-29.40	8.10	18.65	33.00	H
1900.00	-18.79	-29.30	8.10	18.61	33.00	H

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

Limits: $\leq 30\text{dBm}$ (1W)

LTE Band 4_1.4MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1710.70	-16.51	-29.60	8.10	21.20	30.00	H
1732.50	-16.36	-29.60	8.10	21.34	30.00	H
1754.30	-16.28	-29.50	8.10	21.32	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	-16.52	-29.60	8.10	21.18	30.00	H
1732.50	-16.44	-29.60	8.10	21.26	30.00	H
1753.50	-16.33	-29.50	8.10	21.27	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	-16.46	-29.60	8.10	21.24	30.00	H
1732.50	-16.46	-29.60	8.10	21.24	30.00	H
1752.50	-16.39	-29.50	8.10	21.21	30.00	H

LTE Band 4_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1715.00	-16.54	-29.60	8.10	21.16	30.00	H
1732.50	-16.42	-29.60	8.10	21.28	30.00	H
1750.00	-16.29	-29.50	8.10	21.31	30.00	H

LTE Band 4_15MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1717.50	-16.49	-29.60	8.10	21.21	30.00	H
1732.50	-16.52	-29.60	8.10	21.18	30.00	H
1747.50	-16.32	-29.50	8.10	21.28	30.00	H

LTE Band 4_20MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1720.00	-16.53	-29.60	8.10	21.17	30.00	H
1732.50	-16.50	-29.60	8.10	21.20	30.00	H
1745.00	-16.36	-29.50	8.10	21.24	30.00	H

LTE Band 4_1.4MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1710.70	-17.33	-29.60	8.10	20.38	30.00	H
1732.50	-17.35	-29.60	8.10	20.35	30.00	H
1754.30	-17.33	-29.50	8.10	20.27	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	-17.51	-29.60	8.10	20.19	30.00	H
1732.50	-17.46	-29.60	8.10	20.24	30.00	H
1753.50	-17.31	-29.50	8.10	20.29	30.00	H

LTE Band 4_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1712.50	-17.48	-29.60	8.10	20.22	30.00	H
1732.50	-17.53	-29.60	8.10	20.17	30.00	H
1752.50	-17.43	-29.50	8.10	20.17	30.00	H

LTE Band 4_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1715.00	-17.58	-29.60	8.10	20.12	30.00	H
1732.50	-17.65	-29.60	8.10	20.05	30.00	H
1750.00	-17.54	-29.50	8.10	20.06	30.00	H

LTE Band 4_15MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1717.50	-17.67	-29.60	8.10	20.03	30.00	H
1732.50	-17.62	-29.60	8.10	20.08	30.00	H
1747.50	-17.55	-29.50	8.10	20.05	30.00	H

LTE Band 4_20MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1720.00	-17.73	-29.60	8.10	19.97	30.00	H
1732.50	-17.76	-29.60	8.10	19.94	30.00	H
1745.00	-17.56	-29.50	8.10	20.04	30.00	H

LTE Band 4_1.4MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1710.70	-18.44	-29.60	8.10	19.26	30.00	H
1732.50	-18.35	-29.60	8.10	19.35	30.00	H
1754.30	-18.26	-29.50	8.10	19.34	30.00	H

LTE Band 4_3MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1711.50	-18.48	-29.60	8.10	19.22	30.00	H
1732.50	-18.44	-29.60	8.10	19.26	30.00	H
1753.50	-18.38	-29.50	8.10	19.22	30.00	H

LTE Band 4_5MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1712.50	-18.63	-29.60	8.10	19.07	30.00	H
1732.50	-18.56	-29.60	8.10	19.14	30.00	H
1752.50	-18.61	-29.50	8.10	18.99	30.00	H

LTE Band 4_10MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1715.00	-18.75	-29.60	8.10	18.95	30.00	H
1732.50	-18.73	-29.60	8.10	18.97	30.00	H
1750.00	-18.70	-29.50	8.10	18.90	30.00	H

LTE Band 4_15MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1717.50	-18.80	-29.60	8.10	18.90	30.00	H
1732.50	-18.83	-29.60	8.10	18.87	30.00	H
1747.50	-18.82	-29.50	8.10	18.78	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	-19.07	-29.60	8.10	18.63	30.00	H
1732.50	-19.10	-29.60	8.10	18.60	30.00	H
1745.00	-19.10	-29.50	8.10	18.50	30.00	H

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	-8.73	-33.60	-0.79	2.15	21.93	38.45	V
836.50	-8.48	-33.50	-0.74	2.15	22.13	38.45	V
848.30	-8.89	-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	-8.85	-33.60	-0.84	2.15	21.76	38.45	V
836.50	-8.66	-33.50	-0.74	2.15	21.95	38.45	V
847.50	-9.10	-33.50	-0.73	2.15	21.52	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	-8.93	-33.60	-0.84	2.15	21.68	38.45	V
836.50	-8.77	-33.50	-0.74	2.15	21.84	38.45	V
846.50	-9.20	-33.50	-0.73	2.15	21.42	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	-9.01	-33.60	-0.84	2.15	21.60	38.45	V
836.50	-8.84	-33.50	-0.74	2.15	21.77	38.45	V
844.00	-9.25	-33.50	-0.78	2.15	21.32	38.45	V

LTE Band 5_1.4MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
824.70	-9.75	-33.60	-0.79	2.15	20.91	38.45	V
836.50	-9.50	-33.50	-0.74	2.15	21.12	38.45	V
848.30	-10.04	-33.50	-0.73	2.15	20.58	38.45	V

LTE Band 5_3MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
825.50	-9.84	-33.60	-0.84	2.15	20.77	38.45	V
836.50	-9.69	-33.50	-0.74	2.15	20.93	38.45	V
847.50	-10.17	-33.50	-0.73	2.15	20.44	38.45	V

LTE Band 5_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
826.50	-9.98	-33.60	-0.84	2.15	20.63	38.45	V
836.50	-9.85	-33.50	-0.74	2.15	20.77	38.45	V
846.50	-10.21	-33.50	-0.73	2.15	20.41	38.45	V

LTE Band 5_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
829.00	-10.05	-33.60	-0.84	2.15	20.56	38.45	V
836.50	-9.88	-33.50	-0.74	2.15	20.74	38.45	V
844.00	-10.28	-33.50	-0.78	2.15	20.28	38.45	V

LTE Band 5_1.4MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
824.70	-10.76	-33.60	-0.79	2.15	19.89	38.45	V
836.50	-10.60	-33.50	-0.74	2.15	20.02	38.45	V
848.30	-11.06	-33.50	-0.73	2.15	19.55	38.45	V

LTE Band 5_3MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
825.50	-10.82	-33.60	-0.84	2.15	19.79	38.45	V
836.50	-10.69	-33.50	-0.74	2.15	19.92	38.45	V
847.50	-11.05	-33.50	-0.73	2.15	19.57	38.45	V

LTE Band 5_5MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
826.50	-11.00	-33.60	-0.84	2.15	19.61	38.45	V
836.50	-10.87	-33.50	-0.74	2.15	19.74	38.45	V
846.50	-11.13	-33.50	-0.73	2.15	19.48	38.45	V

LTE Band 5_10MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
829.00	-11.12	-33.60	-0.84	2.15	19.48	38.45	V
836.50	-10.95	-33.50	-0.74	2.15	19.66	38.45	V
844.00	-11.36	-33.50	-0.78	2.15	19.21	38.45	V

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	-11.45	-34.80	-0.93	2.15	20.27	34.77	V
707.50	-10.85	-34.70	-0.91	2.15	20.80	34.77	V
715.30	-11.50	-34.70	-0.68	2.15	20.37	34.77	V

LTE Band 12_3MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
700.50	-11.59	-34.80	-0.97	2.15	20.09	34.77	V
707.50	-11.03	-34.70	-0.91	2.15	20.62	34.77	V
714.50	-11.75	-34.70	-0.64	2.15	20.16	34.77	V

LTE Band 12_5MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
701.50	-11.67	-34.80	-0.97	2.15	20.02	34.77	V
707.50	-11.14	-34.70	-0.91	2.15	20.51	34.77	V
713.50	-11.85	-34.70	-0.64	2.15	20.06	34.77	V

LTE Band 12_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
704.00	-11.75	-34.80	-0.97	2.15	19.93	34.77	V
707.50	-11.21	-34.70	-0.91	2.15	20.44	34.77	V
711.00	-11.95	-34.70	-0.64	2.15	19.96	34.77	V

LTE Band 12_1.4MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
699.70	-12.47	-34.80	-0.93	2.15	19.25	34.77	V
707.50	-11.86	-34.70	-0.91	2.15	19.78	34.77	V
715.30	-12.65	-34.70	-0.68	2.15	19.21	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	-12.58	-34.80	-0.97	2.15	19.11	34.77	V
707.50	-12.05	-34.70	-0.91	2.15	19.59	34.77	V
714.50	-12.82	-34.70	-0.64	2.15	19.08	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	-12.71	-34.80	-0.97	2.15	18.97	34.77	V
707.50	-12.21	-34.70	-0.91	2.15	19.43	34.77	V
713.50	-12.86	-34.70	-0.64	2.15	19.05	34.77	V

LTE Band 12_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
704.00	-12.78	-34.80	-0.97	2.15	18.90	34.77	V
707.50	-12.24	-34.70	-0.91	2.15	19.40	34.77	V
711.00	-12.98	-34.70	-0.64	2.15	18.92	34.77	V

LTE Band 12_1.4MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
699.70	-13.49	-34.80	-0.93	2.15	18.23	34.77	V
707.50	-12.96	-34.70	-0.91	2.15	18.68	34.77	V
715.30	-13.67	-34.70	-0.68	2.15	18.19	34.77	V

LTE Band 12_3MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
700.50	-13.55	-34.80	-0.97	2.15	18.13	34.77	V
707.50	-13.06	-34.70	-0.91	2.15	18.59	34.77	V
714.50	-13.70	-34.70	-0.64	2.15	18.20	34.77	V

LTE Band 12_5MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
701.50	-13.74	-34.80	-0.97	2.15	17.94	34.77	V
707.50	-13.24	-34.70	-0.91	2.15	18.40	34.77	V
713.50	-13.78	-34.70	-0.64	2.15	18.12	34.77	V

LTE Band 12_10MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
704.00	-13.86	-34.80	-0.97	2.15	17.82	34.77	V
707.50	-13.32	-34.70	-0.91	2.15	18.32	34.77	V
711.00	-14.06	-34.70	-0.64	2.15	17.84	34.77	V

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	-10.18	-34.00	-0.08	2.15	21.59	34.77	V
782.00	-10.07	-34.00	-0.13	2.15	21.66	34.77	V
784.50	-9.85	-34.00	-0.13	2.15	21.87	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	-10.48	-34.00	-0.13	2.15	21.25	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	-11.27	-34.00	-0.08	2.15	20.50	34.77	V
782.00	-11.26	-34.00	-0.13	2.15	20.47	34.77	V
784.50	-10.99	-34.00	-0.13	2.15	20.73	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	-11.35	-34.00	-0.13	2.15	20.38	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	-12.14	-34.00	-0.08	2.15	19.63	34.77	V
782.00	-12.13	-34.00	-0.13	2.15	19.60	34.77	V
784.50	-11.86	-34.00	-0.13	2.15	19.86	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	-12.24	-34.00	-0.13	2.15	19.49	34.77	V

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	-15.15	-29.30	8.10	22.25	33.00	H
1882.50	-15.12	-29.40	8.10	22.38	33.00	H
1914.30	-15.05	-29.30	8.10	22.35	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	-15.37	-29.30	8.10	22.03	33.00	H
1882.50	-15.29	-29.40	8.10	22.21	33.00	H
1913.50	-15.30	-29.30	8.10	22.10	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	-15.50	-29.30	8.10	21.90	33.00	H
1882.50	-15.41	-29.40	8.10	22.09	33.00	H
1912.50	-15.46	-29.30	8.10	21.94	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	-15.59	-29.30	8.10	21.81	33.00	H
1882.00	-15.57	-29.40	8.10	21.93	33.00	H
1910.00	-15.56	-29.30	8.10	21.84	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	-15.69	-29.30	8.10	21.71	33.00	H
1882.50	-15.73	-29.40	8.10	21.77	33.00	H
1907.50	-15.64	-29.30	8.10	21.76	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	-15.85	-29.30	8.10	21.55	33.00	H
1882.50	-15.83	-29.40	8.10	21.67	33.00	H
1905.00	-15.81	-29.30	8.10	21.59	33.00	H

LTE Band 25_1.4MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1850.70	-16.17	-29.30	8.10	21.23	33.00	H
1882.50	-16.21	-29.40	8.10	21.29	33.00	H
1914.30	-16.11	-29.30	8.10	21.29	33.00	H

LTE Band 25_3MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1851.50	-16.25	-29.30	8.10	21.15	33.00	H
1882.50	-16.32	-29.40	8.10	21.18	33.00	H
1913.50	-16.38	-29.30	8.10	21.02	33.00	H

LTE Band 25_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1852.50	-16.55	-29.30	8.10	20.85	33.00	H
1882.50	-16.49	-29.40	8.10	21.01	33.00	H
1912.50	-16.55	-29.30	8.10	20.85	33.00	H

LTE Band 25_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1855.00	-16.62	-29.30	8.10	20.78	33.00	H
1882.00	-16.61	-29.40	8.10	20.89	33.00	H
1910.00	-16.60	-29.30	8.10	20.80	33.00	H

LTE Band 25_15MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1857.50	-16.70	-29.30	8.10	20.70	33.00	H
1882.50	-16.74	-29.40	8.10	20.76	33.00	H
1907.50	-16.65	-29.30	8.10	20.75	33.00	H

LTE Band 25_20MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1860.00	-16.94	-29.30	8.10	20.46	33.00	H
1882.50	-16.88	-29.40	8.10	20.62	33.00	H
1905.00	-16.90	-29.30	8.10	20.50	33.00	H

LTE Band 25_1.4MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1850.70	-16.99	-29.30	8.10	20.41	33.00	H
1882.50	-17.11	-29.40	8.10	20.39	33.00	H
1914.30	-16.93	-29.30	8.10	20.47	33.00	H

LTE Band 25_3MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1851.50	-17.13	-29.30	8.10	20.27	33.00	H
1882.50	-17.20	-29.40	8.10	20.30	33.00	H
1913.50	-17.26	-29.30	8.10	20.14	33.00	H

LTE Band 25_5MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1852.50	-17.28	-29.30	8.10	20.12	33.00	H
1882.50	-17.22	-29.40	8.10	20.28	33.00	H
1912.50	-17.28	-29.30	8.10	20.12	33.00	H

LTE Band 25_10MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1855.00	-17.50	-29.30	8.10	19.90	33.00	H
1882.00	-17.48	-29.40	8.10	20.01	33.00	H
1910.00	-17.50	-29.30	8.10	19.90	33.00	H

LTE Band 25_15MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1857.50	-17.51	-29.30	8.10	19.89	33.00	H
1882.50	-17.55	-29.40	8.10	19.95	33.00	H
1907.50	-17.46	-29.30	8.10	19.94	33.00	H

LTE Band 25_20MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1860.00	-17.69	-29.30	8.10	19.71	33.00	H
1882.50	-17.73	-29.40	8.10	19.77	33.00	H
1905.00	-17.64	-29.30	8.10	19.76	33.00	H

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	-8.66	-33.60	-0.79	2.15	22.00	38.45	H
836.50	-8.74	-33.50	-0.74	2.15	21.87	38.45	H
848.30	-9.08	-33.50	-0.73	2.15	21.53	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	-8.83	-33.60	-0.79	2.15	21.82	38.45	H
836.50	-8.92	-33.50	-0.74	2.15	21.69	38.45	H
847.50	-9.29	-33.50	-0.73	2.15	21.32	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	-8.91	-33.60	-0.79	2.15	21.75	38.45	H
836.50	-9.03	-33.50	-0.74	2.15	21.58	38.45	H
846.50	-9.39	-33.50	-0.73	2.15	21.22	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	-8.99	-33.60	-0.79	2.15	21.66	38.45	H
836.50	-9.10	-33.50	-0.74	2.15	21.51	38.45	H
844.00	-9.50	-33.50	-0.73	2.15	21.12	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	-9.10	-33.60	-0.79	2.15	21.56	38.45	H
836.50	-9.18	-33.50	-0.74	2.15	21.44	38.45	H
841.50	-9.57	-33.50	-0.73	2.15	21.05	38.45	H

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

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
824.70	-9.68	-33.60	-0.79	2.15	20.98	38.45	H
836.50	-9.76	-33.50	-0.74	2.15	20.86	38.45	H
848.30	-10.24	-33.50	-0.73	2.15	20.38	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	-9.82	-33.60	-0.79	2.15	20.84	38.45	H
836.50	-9.95	-33.50	-0.74	2.15	20.67	38.45	H
847.50	-10.37	-33.50	-0.73	2.15	20.25	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	-9.96	-33.60	-0.79	2.15	20.70	38.45	H
836.50	-10.11	-33.50	-0.74	2.15	20.50	38.45	H
846.50	-10.40	-33.50	-0.73	2.15	20.22	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	-10.03	-33.60	-0.79	2.15	20.63	38.45	H
836.50	-10.14	-33.50	-0.74	2.15	20.48	38.45	H
844.00	-10.53	-33.50	-0.73	2.15	20.09	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	-10.21	-33.60	-0.79	2.15	20.45	38.45	H
836.50	-10.29	-33.50	-0.74	2.15	20.32	38.45	H
841.50	-10.68	-33.50	-0.73	2.15	19.93	38.45	H

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

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
824.70	-10.70	-33.60	-0.79	2.15	19.96	38.45	H
836.50	-10.86	-33.50	-0.74	2.15	19.76	38.45	H
848.30	-11.26	-33.50	-0.73	2.15	19.36	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	-10.80	-33.60	-0.79	2.15	19.86	38.45	H
836.50	-10.95	-33.50	-0.74	2.15	19.66	38.45	H
847.50	-11.25	-33.50	-0.73	2.15	19.37	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	-10.98	-33.60	-0.79	2.15	19.67	38.45	H
836.50	-11.14	-33.50	-0.74	2.15	19.48	38.45	H
846.50	-11.33	-33.50	-0.73	2.15	19.29	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	-11.10	-33.60	-0.79	2.15	19.55	38.45	H
836.50	-11.21	-33.50	-0.74	2.15	19.40	38.45	H
844.00	-11.61	-33.50	-0.73	2.15	19.01	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	-11.21	-33.60	-0.79	2.15	19.44	38.45	H
836.50	-11.29	-33.50	-0.74	2.15	19.32	38.45	H
841.50	-11.69	-33.50	-0.73	2.15	18.93	38.45	H

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

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

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
814.70	-8.86	-33.70	-0.80	2.15	21.89	50.00	H
819.00	-8.77	-33.60	-0.75	2.15	21.93	50.00	H
823.30	-8.64	-33.60	-0.79	2.15	22.02	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	-9.03	-33.70	-0.80	2.15	21.72	50.00	H
819.00	-8.95	-33.60	-0.75	2.15	21.75	50.00	H
822.50	-8.85	-33.60	-0.79	2.15	21.81	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	-9.11	-33.70	-0.80	2.15	21.64	50.00	H
819.00	-9.06	-33.60	-0.75	2.15	21.64	50.00	H
821.50	-8.95	-33.60	-0.79	2.15	21.70	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	-9.09	-33.60	-0.80	2.15	21.56	50.00	H
819.00	-9.13	-33.60	-0.75	2.15	21.57	50.00	H
819.00	-9.05	-33.60	-0.79	2.15	21.60	50.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
814.70	-9.88	-33.70	-0.80	2.15	20.87	50.00	H
819.00	-9.79	-33.60	-0.75	2.15	20.92	50.00	H
823.30	-9.79	-33.60	-0.79	2.15	20.86	50.00	H

LTE Band 26(814MHz-824MHz)_3MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
815.50	-10.02	-33.70	-0.80	2.15	20.73	50.00	H
819.00	-9.98	-33.60	-0.75	2.15	20.73	50.00	H
822.50	-9.93	-33.60	-0.79	2.15	20.73	50.00	H

LTE Band 26(814MHz-824MHz)_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
816.50	-10.15	-33.70	-0.80	2.15	20.60	50.00	H
819.00	-10.14	-33.60	-0.75	2.15	20.57	50.00	H
821.50	-9.96	-33.60	-0.79	2.15	20.70	50.00	H

LTE Band 26(814MHz-824MHz)_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
819.00	-10.12	-33.60	-0.80	2.15	20.53	50.00	H
819.00	-10.17	-33.60	-0.75	2.15	20.54	50.00	H
819.00	-10.09	-33.60	-0.79	2.15	20.57	50.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
814.70	-10.89	-33.70	-0.80	2.15	19.86	50.00	H
819.00	-10.89	-33.60	-0.75	2.15	19.82	50.00	H
823.30	-10.82	-33.60	-0.79	2.15	19.84	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	-10.99	-33.70	-0.80	2.15	19.75	50.00	H
819.00	-10.98	-33.60	-0.75	2.15	19.72	50.00	H
822.50	-10.80	-33.60	-0.79	2.15	19.85	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	-11.18	-33.70	-0.80	2.15	19.57	50.00	H
819.00	-11.16	-33.60	-0.75	2.15	19.54	50.00	H
821.50	-10.89	-33.60	-0.79	2.15	19.77	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	-11.20	-33.60	-0.80	2.15	19.45	50.00	H
819.00	-11.24	-33.60	-0.75	2.15	19.46	50.00	H
819.00	-11.16	-33.60	-0.79	2.15	19.49	50.00	H

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	-17.41	-28.70	10.70	21.99	33.00	H
2593.00	-17.54	-28.60	10.70	21.76	33.00	H
2687.50	-17.61	-28.50	10.70	21.59	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	-17.48	-28.70	10.70	21.92	33.00	H
2593.00	-17.55	-28.60	10.70	21.75	33.00	H
2685.00	-17.72	-28.50	10.70	21.48	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	-17.70	-28.70	10.70	21.70	33.00	H
2593.00	-17.95	-28.60	10.70	21.35	33.00	H
2682.50	-17.95	-28.50	10.70	21.25	33.00	H

LTE Band 41_20MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	-17.98	-28.70	10.70	21.42	33.00	H
2593.00	-18.20	-28.60	10.70	21.10	33.00	H
2680.00	-18.22	-28.50	10.70	20.98	33.00	H

LTE Band 41_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{Cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2498.50	-18.58	-28.70	10.70	20.82	33.00	H
2593.00	-18.61	-28.60	10.70	20.69	33.00	H
2687.50	-18.57	-28.50	10.70	20.62	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
2501.00	-18.77	-28.70	10.70	20.63	33.00	H
2593.00	-18.74	-28.60	10.70	20.56	33.00	H
2685.00	-18.93	-28.50	10.70	20.27	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
2503.50	-18.69	-28.70	10.70	20.71	33.00	H
2593.00	-18.91	-28.60	10.70	20.39	33.00	H
2682.50	-18.88	-28.50	10.70	20.32	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
2506.00	-19.09	-28.70	10.70	20.31	33.00	H
2593.00	-19.21	-28.60	10.70	20.09	33.00	H
2680.00	-19.41	-28.50	10.70	19.79	33.00	H

LTE Band 41_5MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{Cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2498.50	-19.50	-28.70	10.70	19.90	33.00	H
2593.00	-19.61	-28.60	10.70	19.69	33.00	H
2687.50	-19.48	-28.50	10.70	19.72	33.00	H

LTE Band 41_10MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{Cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2501.00	-19.54	-28.70	10.70	19.86	33.00	H
2593.00	-19.71	-28.60	10.70	19.59	33.00	H
2685.00	-19.88	-28.50	10.70	19.32	33.00	H

LTE Band 41_15MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{Cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2503.50	-19.79	-28.70	10.70	19.61	33.00	H
2593.00	-20.12	-28.60	10.70	19.18	33.00	H
2682.50	-20.23	-28.50	10.70	18.97	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	-20.00	-28.70	10.70	19.40	33.00	H
2593.00	-20.20	-28.60	10.70	19.10	33.00	H
2680.00	-20.25	-28.50	10.70	18.95	33.00	H

LTE Band 66- EIRP Part 27.50(d)(4)

Limits: ≤30dBm (1W)

LTE Band 66_1.4MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1710.70	-16.08	-29.60	8.10	21.62	30.00	H
1745.00	-16.10	-29.50	8.10	21.50	30.00	H
1779.30	-16.36	-29.50	8.10	21.24	30.00	H

LTE Band 66_3MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1711.50	-16.10	-29.60	8.10	21.60	30.00	H
1745.00	-16.08	-29.50	8.10	21.52	30.00	H
1778.50	-16.31	-29.50	8.10	21.29	30.00	H

LTE Band 66_5MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1712.50	-16.23	-29.60	8.10	21.47	30.00	H
1745.00	-16.20	-29.50	8.10	21.40	30.00	H
1777.50	-16.37	-29.50	8.10	21.23	30.00	H

LTE Band 66_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1715.00	-16.32	-29.60	8.10	21.38	30.00	H
1745.00	-16.16	-29.50	8.10	21.44	30.00	H
1775.00	-16.48	-29.50	8.10	21.12	30.00	H

LTE Band 66_15MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1717.50	-16.17	-29.60	8.10	21.53	30.00	H
1745.00	-16.27	-29.50	8.10	21.33	30.00	H
1772.53	-16.50	-29.50	8.10	21.10	30.00	H

LTE Band 66_20MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1720.00	-16.41	-29.60	8.10	21.29	30.00	H
1745.00	-16.45	-29.50	8.10	21.15	30.00	H
1770.00	-16.75	-29.50	8.10	20.85	30.00	H

LTE Band 66_1.4MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1710.70	-16.80	-29.60	8.10	20.90	30.00	H
1745.00	-16.90	-29.50	8.10	20.70	30.00	H
1779.30	-17.12	-29.50	8.10	20.48	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	-16.68	-29.60	8.10	21.02	30.00	H
1745.00	-16.81	-29.50	8.10	20.79	30.00	H
1778.50	-17.19	-29.50	8.10	20.41	30.00	H

LTE Band 66_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1712.50	-17.08	-29.60	8.10	20.62	30.00	H
1745.00	-17.08	-29.50	8.10	20.52	30.00	H
1777.50	-17.46	-29.50	8.10	20.14	30.00	H

LTE Band 66_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1715.00	-17.15	-29.60	8.10	20.55	30.00	H
1745.00	-17.20	-29.50	8.10	20.40	30.00	H
1775.00	-17.51	-29.50	8.10	20.09	30.00	H

LTE Band 66_15MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1717.50	-17.18	-29.60	8.10	20.52	30.00	H
1745.00	-17.28	-29.50	8.10	20.32	30.00	H
1772.53	-17.51	-29.50	8.10	20.09	30.00	H

LTE Band 66_20MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1720.00	-17.50	-29.60	8.10	20.20	30.00	H
1745.00	-17.50	-29.50	8.10	20.10	30.00	H
1770.00	-17.84	-29.50	8.10	19.76	30.00	H

LTE Band 66_1.4MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1710.70	-17.92	-29.60	8.10	19.78	30.00	H
1745.00	-17.90	-29.50	8.10	19.70	30.00	H
1779.30	-18.14	-29.50	8.10	19.46	30.00	H

LTE Band 66_3MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1711.50	-17.56	-29.60	8.10	20.14	30.00	H
1745.00	-17.68	-29.50	8.10	19.92	30.00	H
1778.50	-18.07	-29.50	8.10	19.53	30.00	H

LTE Band 66_5MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1712.50	-17.81	-29.60	8.10	19.89	30.00	H
1745.00	-17.80	-29.50	8.10	19.79	30.00	H
1777.50	-18.19	-29.50	8.10	19.41	30.00	H

LTE Band 66_10MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1715.00	-18.03	-29.60	8.10	19.67	30.00	H
1745.00	-18.07	-29.50	8.10	19.53	30.00	H
1775.00	-18.41	-29.50	8.10	19.19	30.00	H

LTE Band 66_15MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1717.50	-17.99	-29.60	8.10	19.71	30.00	H
1745.00	-18.08	-29.50	8.10	19.52	30.00	H
1772.53	-18.32	-29.50	8.10	19.28	30.00	H

LTE Band 66_20MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1720.00	-18.25	-29.60	8.10	19.45	30.00	H
1745.00	-18.34	-29.50	8.10	19.25	30.00	H
1770.00	-18.58	-29.50	8.10	19.02	30.00	H

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

LTE Band 71_5MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
665.50	-11.82	-36.70	-1.11	2.15	21.61	34.77	V
680.50	-12.09	-36.80	-0.82	2.15	21.74	34.77	V
695.50	-10.46	-34.80	-0.93	2.15	21.26	34.77	V

LTE Band 71_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
668.00	-12.00	-36.70	-1.11	2.15	21.44	34.77	V
680.50	-12.27	-36.80	-0.82	2.15	21.56	34.77	V
693.00	-10.67	-34.80	-0.93	2.15	21.05	34.77	V

LTE Band 71_15MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
670.50	-12.07	-36.70	-1.11	2.15	21.36	34.77	V
680.50	-12.38	-36.80	-0.82	2.15	21.45	34.77	V
690.50	-10.77	-34.80	-0.93	2.15	20.95	34.77	V

LTE Band 71_20MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
673.00	-12.16	-36.70	-1.11	2.15	21.28	34.77	V
683.00	-12.45	-36.80	-0.82	2.15	21.38	34.77	V
688.00	-10.88	-34.80	-0.93	2.15	20.84	34.77	V

LTE Band 71_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
665.50	-12.84	-36.70	-1.11	2.15	20.59	34.77	V
680.50	-13.10	-36.80	-0.82	2.15	20.73	34.77	V
695.50	-11.62	-34.80	-0.93	2.15	20.10	34.77	V

LTE Band 71_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
668.00	-12.98	-36.70	-1.11	2.15	20.45	34.77	V
680.50	-13.29	-36.80	-0.82	2.15	20.54	34.77	V
693.00	-11.75	-34.80	-0.93	2.15	19.97	34.77	V

LTE Band 71_15MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
670.50	-13.12	-36.70	-1.11	2.15	20.32	34.77	V
680.50	-13.46	-36.80	-0.82	2.15	20.38	34.77	V
690.50	-11.78	-34.80	-0.93	2.15	19.94	34.77	V

LTE Band 71_20MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
673.00	-13.19	-36.70	-1.11	2.15	20.25	34.77	V
683.00	-13.48	-36.80	-0.82	2.15	20.35	34.77	V
688.00	-11.91	-34.80	-0.93	2.15	19.81	34.77	V

LTE Band 71_5MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
665.50	-13.86	-36.70	-1.11	2.15	19.58	34.77	V
680.50	-14.20	-36.80	-0.82	2.15	19.63	34.77	V
695.50	-12.64	-34.80	-0.93	2.15	19.08	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	-13.96	-36.70	-1.11	2.15	19.47	34.77	V
680.50	-14.30	-36.80	-0.82	2.15	19.53	34.77	V
693.00	-12.63	-34.80	-0.93	2.15	19.09	34.77	V

LTE Band 71_15MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
670.50	-14.15	-36.70	-1.11	2.15	19.29	34.77	V
680.50	-14.48	-36.80	-0.82	2.15	19.35	34.77	V
690.50	-12.71	-34.80	-0.93	2.15	19.01	34.77	V

LTE Band 71_20MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
673.00	-14.27	-36.70	-1.11	2.15	19.17	34.77	V
683.00	-14.56	-36.80	-0.82	2.15	19.27	34.77	V
688.00	-12.99	-34.80	-0.93	2.15	18.73	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.

A.2 FIELD STRENGTH OF SPURIOUS RADIATION

Reference

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

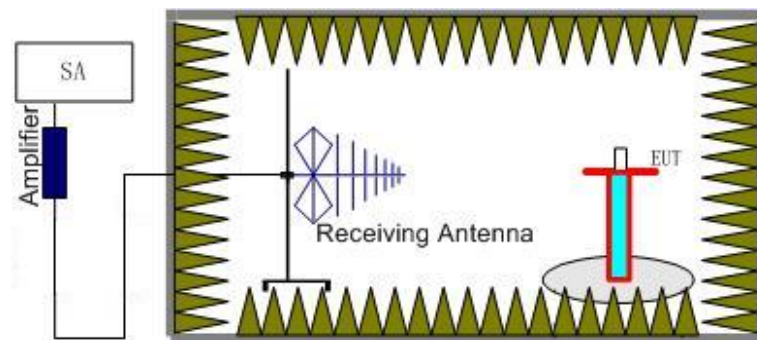
A.2.1 Measurement Method

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

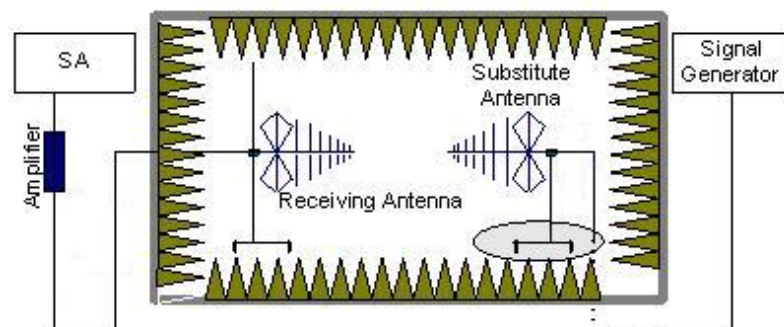
The spectrum was scanned from 30 MHz to the 10th harmonic of the highest frequency generated within the equipment, which is the transmitted carrier. The resolution bandwidth is set 1MHz as outlined in Part 22.917, 24.238, 27.53(h) and 90.691. The spectrum was scanned with the mobile station transmitting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

The procedure of radiated spurious emissions is as follows:

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



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



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

4. The Path loss (P_{pl}) between the Signal Source with the Substitution Antenna and the Substitution Antenna Gain(dBi) (G_a) should be recorded after test.

An amplifier should be connected in for the test.

The Path loss (P_{pl}) is the summation of the cable loss and the gain of the amplifier.

The measurement results are obtained as described below:

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

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, $ERP = EIRP - 2.15\text{dB}$.

A.2.2 Measurement Results

Radiated emissions measurements were made only at the upper, middle, and lower carrier frequencies of the test LTE Bands. It was decided that measurements at these three carrier frequencies would be sufficient to demonstrate compliance with emissions limits because it was seen that all the significant spurs occur well outside the band and no radiation was seen from a carrier in one block of the test LTE Bands. into any of the other blocks. The equipment must still, however, meet emissions requirements with the carrier at all frequencies over which it is capable of operating and it is the manufacturer's responsibility to verify this.

Only worst case result is given below.

LTE Band 2, 1.4MHz, QPSK, Channel 18607

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16946.50	-44.28	2.90	16.50	-30.68	-13.00	H
17098.00	-43.35	2.90	14.50	-31.75	-13.00	H
17285.00	-42.04	3.20	14.50	-30.74	-13.00	H
17435.50	-41.05	2.90	14.50	-29.45	-13.00	H
17596.50	-38.44	3.30	12.80	-28.94	-13.00	H
17836.50	-38.89	3.60	12.80	-29.69	-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
16958.50	-45.15	2.90	16.50	-31.55	-13.00	H
17119.00	-43.82	2.90	14.50	-32.22	-13.00	H
17359.50	-42.69	3.20	14.50	-31.39	-13.00	H
17449.50	-41.70	2.90	14.50	-30.10	-13.00	H
17584.00	-39.64	3.30	12.80	-30.14	-13.00	H
17826.50	-40.38	3.60	12.80	-31.18	-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
16990.50	-44.99	2.90	16.50	-31.39	-13.00	H
17094.50	-43.88	2.90	14.50	-32.28	-13.00	H
17329.00	-43.20	3.20	14.50	-31.90	-13.00	H
17462.00	-41.37	2.90	14.50	-29.77	-13.00	H
17624.50	-39.69	3.30	12.80	-30.19	-13.00	H
17814.00	-40.04	3.60	12.80	-30.84	-13.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16942.00	-44.36	2.90	16.50	-30.76	-13.00	H
17171.00	-43.63	2.90	14.50	-32.03	-13.00	H
17276.50	-42.71	3.20	14.50	-31.41	-13.00	H
17431.50	-41.32	2.90	14.50	-29.72	-13.00	H
17593.00	-39.57	3.30	12.80	-30.07	-13.00	H
17750.50	-39.37	3.60	12.80	-30.17	-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
16947.00	-44.72	2.90	16.50	-31.12	-13.00	H
17205.50	-43.41	2.90	14.50	-31.81	-13.00	H
17337.50	-42.64	3.20	14.50	-31.34	-13.00	H
17509.00	-40.02	2.90	12.80	-30.12	-13.00	H
17617.50	-39.17	3.30	12.80	-29.67	-13.00	H
17839.50	-39.70	3.60	12.80	-30.50	-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
16937.00	-45.33	2.90	16.50	-31.73	-13.00	H
17188.50	-43.66	2.90	14.50	-32.06	-13.00	H
17296.00	-42.98	3.20	14.50	-31.68	-13.00	H
17415.00	-42.06	2.90	14.50	-30.46	-13.00	H
17526.00	-39.64	2.90	12.80	-29.74	-13.00	H
17775.50	-39.57	3.60	12.80	-30.37	-13.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16991.00	-45.16	2.90	16.50	-31.56	-13.00	H
17183.50	-43.75	2.90	14.50	-32.15	-13.00	H
17351.00	-42.84	3.20	14.50	-31.54	-13.00	H
17428.00	-41.84	2.90	14.50	-30.24	-13.00	H
17597.00	-39.39	3.30	12.80	-29.89	-13.00	H
17773.00	-39.25	3.60	12.80	-30.05	-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
16941.00	-44.87	2.90	16.50	-31.27	-13.00	H
17206.50	-43.05	2.90	14.50	-31.45	-13.00	H
17349.50	-43.12	3.20	14.50	-31.82	-13.00	H
17431.00	-41.49	2.90	14.50	-29.89	-13.00	H
17603.50	-38.96	3.30	12.80	-29.46	-13.00	H
17828.50	-39.17	3.60	12.80	-29.97	-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
16965.00	-44.29	2.90	16.50	-30.69	-13.00	H
17165.00	-43.92	2.90	14.50	-32.32	-13.00	H
17282.00	-42.39	3.20	14.50	-31.09	-13.00	H
17516.00	-40.23	2.90	12.80	-30.33	-13.00	H
17590.00	-38.20	3.30	12.80	-28.70	-13.00	H
17835.50	-39.80	3.60	12.80	-30.60	-13.00	H

LTE Band 4, 1.4MHz, QPSK, Channel 19957

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16961.50	-45.14	2.90	16.50	-31.54	-13.00	H
17170.50	-43.64	2.90	14.50	-32.04	-13.00	H
17284.00	-43.02	3.20	14.50	-31.72	-13.00	H
17391.50	-41.53	2.90	14.50	-29.93	-13.00	H
17626.50	-38.75	3.30	12.80	-29.25	-13.00	H
17811.50	-40.04	3.60	12.80	-30.84	-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
16981.50	-45.00	2.90	16.50	-31.40	-13.00	H
17209.00	-43.56	2.90	14.50	-31.96	-13.00	H
17268.00	-43.46	3.20	14.50	-32.16	-13.00	H
17449.00	-41.98	2.90	14.50	-30.38	-13.00	H
17574.00	-39.11	3.30	12.80	-29.61	-13.00	H
17776.00	-40.09	3.60	12.80	-30.89	-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
16966.50	-44.41	2.90	16.50	-30.81	-13.00	H
17199.00	-43.65	2.90	14.50	-32.05	-13.00	H
17299.00	-43.44	3.20	14.50	-32.14	-13.00	H
17500.50	-39.91	2.90	12.80	-30.01	-13.00	H
17571.50	-39.22	3.30	12.80	-29.72	-13.00	H
17802.50	-39.77	3.60	12.80	-30.57	-13.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
17010.50	-42.74	2.90	14.50	-31.14	-13.00	H
17186.50	-43.86	2.90	14.50	-32.26	-13.00	H
17235.00	-43.72	3.20	14.50	-32.42	-13.00	H
17454.50	-41.43	2.90	14.50	-29.83	-13.00	H
17526.50	-39.74	2.90	12.80	-29.84	-13.00	H
17838.50	-39.89	3.60	12.80	-30.69	-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
16961.00	-43.90	2.90	16.50	-30.30	-13.00	H
17141.50	-44.05	2.90	14.50	-32.45	-13.00	H
17276.00	-42.98	3.20	14.50	-31.68	-13.00	H
17450.50	-42.18	2.90	14.50	-30.58	-13.00	H
17587.50	-39.51	3.30	12.80	-30.01	-13.00	H
17696.50	-40.36	3.30	12.80	-30.86	-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
16929.50	-45.16	2.90	16.50	-31.56	-13.00	H
17143.00	-43.26	2.90	14.50	-31.66	-13.00	H
17278.00	-43.35	3.20	14.50	-32.05	-13.00	H
17453.50	-41.74	2.90	14.50	-30.14	-13.00	H
17585.50	-39.25	3.30	12.80	-29.75	-13.00	H
17694.50	-40.22	3.30	12.80	-30.72	-13.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16916.50	-45.41	2.90	16.50	-31.81	-13.00	H
17310.00	-42.76	3.20	14.50	-31.46	-13.00	H
17520.00	-40.23	2.90	12.80	-30.33	-13.00	H
17620.00	-39.94	3.30	12.80	-30.44	-13.00	H
17795.50	-39.64	3.60	12.80	-30.44	-13.00	H
17935.00	-38.14	3.20	12.80	-28.54	-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
16941.50	-44.74	2.90	16.50	-31.14	-13.00	H
17314.00	-42.82	3.20	14.50	-31.52	-13.00	H
17397.00	-41.61	2.90	14.50	-30.01	-13.00	H
17595.50	-39.76	3.30	12.80	-30.26	-13.00	H
17775.00	-40.18	3.60	12.80	-30.98	-13.00	H
17951.50	-41.39	3.20	12.80	-31.79	-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
16958.00	-44.86	2.90	16.50	-31.26	-13.00	H
17103.50	-43.19	2.90	14.50	-31.59	-13.00	H
17295.50	-43.03	3.20	14.50	-31.73	-13.00	H
17398.00	-41.53	2.90	14.50	-29.93	-13.00	H
17623.50	-39.58	3.30	12.80	-30.08	-13.00	H
17789.50	-40.17	3.60	12.80	-30.97	-13.00	H

LTE Band 5, 1.4MHz, QPSK, Channel 20407

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
9104.75	-51.34	2.20	11.60	-44.09	-13.00	H
9223.00	-50.88	2.10	11.60	-43.53	-13.00	H
9301.00	-51.09	2.00	11.60	-43.64	-13.00	H
9365.25	-52.18	2.00	11.60	-44.73	-13.00	H
9470.50	-51.30	2.10	11.60	-43.95	-13.00	V
9723.00	-51.13	2.20	11.20	-44.28	-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
9225.50	-51.26	2.10	11.60	-43.91	-13.00	H
9300.50	-50.86	2.00	11.60	-43.41	-13.00	H
9370.75	-51.72	2.00	11.60	-44.27	-13.00	V
9473.75	-50.95	2.10	11.60	-43.60	-13.00	V
9745.00	-51.14	2.20	11.20	-44.29	-13.00	H
9789.00	-50.89	2.30	11.20	-44.14	-13.00	H

LTE Band 5, 1.4MHz, QPSK, Channel 20643

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
9152.50	-51.76	2.10	11.60	-44.41	-13.00	H
9228.25	-51.39	2.10	11.60	-44.04	-13.00	H
9298.50	-50.90	2.00	11.60	-43.45	-13.00	H
9475.75	-51.20	2.10	11.60	-43.85	-13.00	V
9719.50	-51.44	2.20	11.20	-44.59	-13.00	H
9802.75	-51.53	2.30	11.20	-44.78	-13.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
9219.50	-52.00	2.10	11.60	-44.65	-13.00	H
9304.00	-51.34	2.00	11.60	-43.89	-13.00	H
9426.25	-51.28	2.10	11.60	-43.93	-13.00	H
9474.75	-51.85	2.10	11.60	-44.50	-13.00	V
9675.25	-51.62	2.20	11.20	-44.77	-13.00	H
9736.50	-51.17	2.20	11.20	-44.32	-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
9100.25	-52.04	2.20	11.60	-44.79	-13.00	H
9222.25	-51.05	2.10	11.60	-43.70	-13.00	H
9304.00	-50.81	2.00	11.60	-43.36	-13.00	H
9366.50	-52.24	2.00	11.60	-44.79	-13.00	V
9479.00	-50.98	2.10	11.60	-43.63	-13.00	V
9749.25	-50.76	2.20	11.20	-43.91	-13.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
8319.75	-51.72	1.90	11.30	-44.47	-13.00	H
9103.75	-51.86	2.20	11.60	-44.61	-13.00	H
9228.50	-51.46	2.10	11.60	-44.11	-13.00	H
9303.50	-51.45	2.00	11.60	-44.00	-13.00	H
9424.50	-52.01	2.10	11.60	-44.66	-13.00	H
9476.25	-50.90	2.10	11.60	-43.55	-13.00	V

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
7996.50	-51.99	1.90	11.30	-44.74	-13.00	V
8479.25	-52.09	1.80	11.30	-44.74	-13.00	H
9225.75	-51.45	2.10	11.60	-44.10	-13.00	H
9301.25	-51.25	2.00	11.60	-43.80	-13.00	H
9420.75	-52.05	2.10	11.60	-44.70	-13.00	H
9476.00	-51.71	2.10	11.60	-44.36	-13.00	V

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
9100.00	-51.84	2.20	11.60	-44.59	-13.00	H
9224.50	-51.50	2.10	11.60	-44.15	-13.00	H
9298.75	-50.38	2.00	11.60	-42.93	-13.00	H
9426.25	-51.84	2.10	11.60	-44.49	-13.00	H
9474.50	-51.71	2.10	11.60	-44.36	-13.00	V
9750.50	-51.03	2.20	11.20	-44.18	-13.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
9101.50	-51.64	2.20	11.60	-44.39	-13.00	H
9226.50	-50.90	2.10	11.60	-43.55	-13.00	H
9299.00	-51.12	2.00	11.60	-43.67	-13.00	H
9417.25	-51.19	2.10	11.60	-43.84	-13.00	H
9470.00	-51.44	2.10	11.60	-44.09	-13.00	V
9792.00	-51.13	2.30	11.20	-44.38	-13.00	H

LTE Band 12, 1.4MHz, QPSK, Channel 23017

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
9106.25	-51.55	2.20	11.60	-44.30	-13.00	H
9226.00	-50.82	2.10	11.60	-43.47	-13.00	H
9299.75	-50.71	2.00	11.60	-43.26	-13.00	H
9424.75	-50.31	2.10	11.60	-42.96	-13.00	H
9475.00	-50.48	2.10	11.60	-43.13	-13.00	V
9723.50	-51.15	2.20	11.20	-44.30	-13.00	H

LTE Band 12, 1.4MHz, QPSK, Channel 23095

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
8409.75	-52.20	1.80	11.30	-44.85	-13.00	H
9226.50	-50.70	2.10	11.60	-43.35	-13.00	H
9295.25	-51.27	2.00	11.60	-43.82	-13.00	H
9432.75	-51.73	2.10	11.60	-44.38	-13.00	H
9475.25	-51.78	2.10	11.60	-44.43	-13.00	V
9740.75	-51.16	2.20	11.20	-44.31	-13.00	H

LTE Band 12, 1.4MHz, QPSK, Channel 23173

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
9223.75	-50.63	2.10	11.60	-43.28	-13.00	H
9300.00	-50.99	2.00	11.60	-43.54	-13.00	H
9426.25	-51.48	2.10	11.60	-44.13	-13.00	H
9476.50	-51.60	2.10	11.60	-44.25	-13.00	V
9742.25	-51.26	2.20	11.20	-44.41	-13.00	H
9785.00	-51.31	2.30	11.20	-44.56	-13.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
9226.75	-51.39	2.10	11.60	-44.04	-13.00	H
9300.75	-50.96	2.00	11.60	-43.51	-13.00	H
9424.25	-51.81	2.10	11.60	-44.46	-13.00	H
9471.50	-50.80	2.10	11.60	-43.45	-13.00	V
9725.50	-51.46	2.20	11.20	-44.61	-13.00	H
9794.25	-50.66	2.30	11.20	-43.91	-13.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
8458.00	-51.54	1.80	11.30	-44.19	-13.00	H
9223.50	-51.27	2.10	11.60	-43.92	-13.00	H
9299.50	-51.44	2.00	11.60	-43.99	-13.00	H
9434.50	-51.76	2.10	11.60	-44.41	-13.00	H
9474.50	-51.36	2.10	11.60	-44.01	-13.00	V
9743.75	-50.85	2.20	11.20	-44.00	-13.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
9221.75	-51.24	2.10	11.60	-43.89	-13.00	H
9299.75	-50.34	2.00	11.60	-42.89	-13.00	H
9426.75	-51.84	2.10	11.60	-44.49	-13.00	H
9473.75	-51.65	2.10	11.60	-44.30	-13.00	V
9742.25	-51.18	2.20	11.20	-44.33	-13.00	H
9789.00	-51.03	2.30	11.20	-44.28	-13.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
8768.00	-52.73	1.90	12.00	-44.78	-13.00	H
9102.75	-51.97	2.20	11.60	-44.72	-13.00	H
9220.75	-50.94	2.10	11.60	-43.59	-13.00	H
9302.75	-50.29	2.00	11.60	-42.84	-13.00	H
9422.00	-51.36	2.10	11.60	-44.01	-13.00	H
9475.50	-50.68	2.10	11.60	-43.33	-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
9223.75	-51.82	2.10	11.60	-44.47	-13.00	H
9299.50	-51.10	2.00	11.60	-43.65	-13.00	H
9426.75	-51.84	2.10	11.60	-44.49	-13.00	H
9478.25	-51.29	2.10	11.60	-43.94	-13.00	V
9750.25	-51.23	2.20	11.20	-44.38	-13.00	H
9807.50	-50.98	2.30	11.20	-44.23	-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
9223.50	-51.63	2.10	11.60	-44.28	-13.00	H
9299.75	-50.78	2.00	11.60	-43.33	-13.00	H
9417.75	-51.84	2.10	11.60	-44.49	-13.00	H
9475.25	-51.17	2.10	11.60	-43.82	-13.00	V
9732.50	-51.37	2.20	11.20	-44.52	-13.00	H
9794.25	-51.43	2.30	11.20	-44.68	-13.00	H

LTE Band 13, 5MHz, QPSK, Channel 23205

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
1568.00	-60.29	0.70	8.10	-55.04	-40.00	V
9102.38	-51.97	2.20	11.60	-44.72	-13.00	H
9303.25	-50.66	2.00	11.60	-43.21	-13.00	H
9422.75	-51.45	2.10	11.60	-44.10	-13.00	H
9747.75	-51.24	2.20	11.20	-44.39	-13.00	H
9798.00	-50.63	2.30	11.20	-43.88	-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
1579.50	-58.67	0.70	8.10	-53.42	-40.00	V
9100.75	-51.84	2.20	11.60	-44.59	-13.00	H
9305.12	-50.66	2.00	11.60	-43.21	-13.00	H
9474.00	-51.22	2.10	11.60	-43.87	-13.00	V
9750.50	-50.00	2.20	11.20	-43.15	-13.00	H
9780.12	-51.58	2.30	11.20	-44.83	-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
1570.00	-59.91	0.70	8.10	-54.66	-40.00	V
9102.50	-51.46	2.20	11.60	-44.21	-13.00	H
9300.75	-50.84	2.00	11.60	-43.39	-13.00	H
9466.62	-50.99	2.10	11.60	-43.64	-13.00	V
9739.12	-50.08	2.20	11.20	-43.23	-13.00	H
9791.50	-50.36	2.30	11.20	-43.61	-13.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
1564.50	-60.20	0.70	8.10	-54.95	-40.00	V
9105.25	-52.02	2.20	11.60	-44.77	-13.00	H
9300.25	-50.81	2.00	11.60	-43.36	-13.00	H
9474.00	-51.10	2.10	11.60	-43.75	-13.00	V
9747.38	-51.34	2.20	11.20	-44.49	-13.00	H
9916.75	-51.38	2.20	11.20	-44.53	-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
1563.50	-60.06	0.70	8.10	-54.81	-40.00	V
9096.88	-51.92	2.20	11.60	-44.67	-13.00	H
9301.12	-50.90	2.00	11.60	-43.45	-13.00	H
9475.50	-51.31	2.10	11.60	-43.96	-13.00	V
9739.00	-50.88	2.20	11.20	-44.03	-13.00	H
9785.62	-51.49	2.30	11.20	-44.74	-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
1566.00	-59.45	0.70	8.10	-54.20	-40.00	V
9101.62	-51.15	2.20	11.60	-43.90	-13.00	H
9218.62	-50.27	2.10	11.60	-42.92	-13.00	H
9475.62	-50.88	2.10	11.60	-43.53	-13.00	V
9735.00	-50.70	2.20	11.20	-43.85	-13.00	H
9775.12	-50.84	2.30	11.20	-44.09	-13.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
1573.00	-59.90	0.70	8.10	-54.65	-40.00	V
9110.50	-51.73	2.10	11.60	-44.38	-13.00	H
9303.88	-50.51	2.00	11.60	-43.06	-13.00	H
9422.62	-50.95	2.10	11.60	-43.60	-13.00	H
9735.62	-50.98	2.20	11.20	-44.13	-13.00	H
9793.75	-51.54	2.30	11.20	-44.79	-13.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
1569.00	-60.01	0.70	8.10	-54.76	-40.00	V
7905.38	-51.95	1.70	11.30	-44.50	-13.00	V
9299.62	-51.10	2.00	11.60	-43.65	-13.00	H
9473.50	-51.00	2.10	11.60	-43.65	-13.00	V
9726.75	-51.18	2.20	11.20	-44.33	-13.00	H
9800.88	-51.44	2.30	11.20	-44.69	-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
1561.00	-59.72	0.70	8.10	-54.47	-40.00	V
9101.12	-51.98	2.20	11.60	-44.73	-13.00	H
9224.12	-50.08	2.10	11.60	-42.73	-13.00	H
9466.00	-51.41	2.10	11.60	-44.06	-13.00	V
9734.62	-51.03	2.20	11.20	-44.18	-13.00	H
9783.00	-50.62	2.30	11.20	-43.87	-13.00	H

LTE Band 25, 1.4MHz, QPSK, Channel 26047

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16930.50	-44.77	2.90	16.50	-31.17	-13.00	H
17237.50	-43.13	3.20	14.50	-31.83	-13.00	H
17517.00	-40.34	2.90	12.80	-30.44	-13.00	H
17577.00	-39.71	3.30	12.80	-30.21	-13.00	H
17774.50	-39.43	3.60	12.80	-30.23	-13.00	H
17983.00	-38.04	3.20	12.80	-28.44	-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
16945.50	-44.63	2.90	16.50	-31.03	-13.00	H
17209.50	-44.50	2.90	14.50	-32.90	-13.00	H
17294.50	-43.16	3.20	14.50	-31.86	-13.00	H
17459.00	-41.22	2.90	14.50	-29.62	-13.00	H
17629.50	-39.92	3.30	12.80	-30.42	-13.00	H
17822.50	-40.06	3.60	12.80	-30.86	-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
16931.50	-45.03	2.90	16.50	-31.43	-13.00	H
17193.50	-43.69	2.90	14.50	-32.09	-13.00	H
17269.00	-42.24	3.20	14.50	-30.94	-13.00	H
17449.00	-41.86	2.90	14.50	-30.26	-13.00	H
17547.00	-39.63	2.90	12.80	-29.73	-13.00	H
17830.50	-39.30	3.60	12.80	-30.10	-13.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16937.50	-44.66	2.90	16.50	-31.06	-13.00	H
17123.50	-43.89	2.90	14.50	-32.29	-13.00	H
17298.50	-43.58	3.20	14.50	-32.28	-13.00	H
17503.00	-40.31	2.90	12.80	-30.41	-13.00	H
17583.00	-39.85	3.30	12.80	-30.35	-13.00	H
17839.50	-39.86	3.60	12.80	-30.66	-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
16951.00	-45.37	2.90	16.50	-31.77	-13.00	H
17182.50	-44.11	2.90	14.50	-32.51	-13.00	H
17299.50	-43.52	3.20	14.50	-32.22	-13.00	H
17494.00	-42.52	2.90	14.50	-30.92	-13.00	H
17598.00	-39.66	3.30	12.80	-30.16	-13.00	H
17699.00	-40.64	3.30	12.80	-31.14	-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
16971.00	-44.93	2.90	16.50	-31.33	-13.00	H
17125.00	-43.82	2.90	14.50	-32.22	-13.00	H
17294.00	-43.68	3.20	14.50	-32.38	-13.00	H
17457.50	-41.39	2.90	14.50	-29.79	-13.00	H
17591.00	-39.79	3.30	12.80	-30.29	-13.00	H
17802.00	-39.67	3.60	12.80	-30.47	-13.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16983.50	-44.64	2.90	16.50	-31.04	-13.00	H
17110.00	-43.79	2.90	14.50	-32.19	-13.00	H
17306.50	-42.82	3.20	14.50	-31.52	-13.00	H
17468.50	-41.56	2.90	14.50	-29.96	-13.00	H
17595.00	-39.58	3.30	12.80	-30.08	-13.00	H
17839.00	-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
16982.50	-45.34	2.90	16.50	-31.74	-13.00	H
17192.00	-44.04	2.90	14.50	-32.44	-13.00	H
17364.00	-42.69	3.20	14.50	-31.39	-13.00	H
17518.50	-39.74	2.90	12.80	-29.84	-13.00	H
17574.50	-39.80	3.30	12.80	-30.30	-13.00	H
17835.00	-39.41	3.60	12.80	-30.21	-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
16948.00	-44.57	2.90	16.50	-30.97	-13.00	H
17211.00	-43.47	2.90	14.50	-31.87	-13.00	H
17272.50	-43.14	3.20	14.50	-31.84	-13.00	H
17455.00	-42.10	2.90	14.50	-30.50	-13.00	H
17622.00	-39.65	3.30	12.80	-30.15	-13.00	H
17815.00	-40.17	3.60	12.80	-30.97	-13.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
9097.50	-52.43	2.20	11.60	-45.18	-13.00	H
9153.50	-52.12	2.10	11.60	-44.77	-13.00	H
9225.25	-51.47	2.10	11.60	-44.12	-13.00	H
9294.25	-51.23	2.00	11.60	-43.78	-13.00	H
9428.00	-51.89	2.10	11.60	-44.54	-13.00	H
9478.25	-51.06	2.10	11.60	-43.71	-13.00	V

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
9101.25	-52.40	2.20	11.60	-45.15	-13.00	H
9224.00	-50.64	2.10	11.60	-43.29	-13.00	H
9302.25	-51.55	2.00	11.60	-44.10	-13.00	H
9424.50	-52.02	2.10	11.60	-44.67	-13.00	H
9474.75	-51.71	2.10	11.60	-44.36	-13.00	V
9794.50	-51.70	2.30	11.20	-44.95	-13.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
8458.75	-52.00	1.80	11.30	-44.65	-13.00	H
9114.50	-51.84	2.10	11.60	-44.49	-13.00	H
9225.25	-50.77	2.10	11.60	-43.42	-13.00	H
9303.25	-51.04	2.00	11.60	-43.59	-13.00	H
9423.75	-51.66	2.10	11.60	-44.31	-13.00	H
9476.50	-51.23	2.10	11.60	-43.88	-13.00	V

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
7394.50	-53.19	1.90	12.00	-45.24	-13.00	H
9099.25	-52.36	2.20	11.60	-45.11	-13.00	H
9224.50	-51.01	2.10	11.60	-43.66	-13.00	H
9302.00	-51.36	2.00	11.60	-43.91	-13.00	H
9423.50	-51.79	2.10	11.60	-44.44	-13.00	H
9474.75	-51.14	2.10	11.60	-43.79	-13.00	V

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
8435.25	-52.30	1.80	11.30	-44.95	-13.00	H
9224.00	-51.22	2.10	11.60	-43.87	-13.00	H
9304.50	-51.25	2.00	11.60	-43.80	-13.00	H
9423.00	-51.56	2.10	11.60	-44.21	-13.00	H
9475.00	-51.26	2.10	11.60	-43.91	-13.00	V
9757.25	-50.94	2.20	11.20	-44.09	-13.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
9148.75	-51.71	2.10	11.60	-44.36	-13.00	H
9219.25	-51.44	2.10	11.60	-44.09	-13.00	H
9308.00	-50.95	2.00	11.60	-43.50	-13.00	H
9427.50	-51.65	2.10	11.60	-44.30	-13.00	H
9468.75	-51.59	2.10	11.60	-44.24	-13.00	V
9738.00	-50.44	2.20	11.20	-43.59	-13.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
9115.50	-51.46	2.10	11.60	-44.11	-13.00	H
9223.00	-51.22	2.10	11.60	-43.87	-13.00	H
9307.75	-51.20	2.00	11.60	-43.75	-13.00	H
9366.75	-51.34	2.00	11.60	-43.89	-13.00	V
9475.00	-51.38	2.10	11.60	-44.03	-13.00	V
9715.50	-51.82	2.20	11.20	-44.97	-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
9229.25	-51.32	2.10	11.60	-43.97	-13.00	H
9298.75	-50.89	2.00	11.60	-43.44	-13.00	H
9368.25	-51.96	2.00	11.60	-44.51	-13.00	V
9475.50	-51.93	2.10	11.60	-44.58	-13.00	V
9714.75	-51.78	2.20	11.20	-44.93	-13.00	H
9743.50	-51.22	2.20	11.20	-44.37	-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
9150.00	-51.28	2.10	11.60	-43.93	-13.00	H
9222.75	-50.12	2.10	11.60	-42.77	-13.00	H
9297.75	-50.68	2.00	11.60	-43.23	-13.00	H
9422.75	-51.85	2.10	11.60	-44.50	-13.00	H
9475.75	-51.56	2.10	11.60	-44.21	-13.00	V
9720.25	-51.64	2.20	11.20	-44.79	-13.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
9101.75	-52.25	2.20	11.60	-45.00	-13.00	H
9221.50	-51.44	2.10	11.60	-44.09	-13.00	H
9300.50	-50.67	2.00	11.60	-43.22	-13.00	H
9381.50	-51.91	2.00	11.60	-44.46	-13.00	V
9470.50	-51.45	2.10	11.60	-44.10	-13.00	V
9720.50	-51.62	2.20	11.20	-44.77	-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
9099.25	-51.96	2.20	11.60	-44.71	-13.00	H
9100.25	-51.42	2.20	11.60	-44.17	-13.00	H
9223.75	-51.27	2.10	11.60	-43.92	-13.00	H
9300.00	-50.56	2.00	11.60	-43.11	-13.00	H
9372.00	-51.97	2.00	11.60	-44.52	-13.00	V
9476.25	-51.06	2.10	11.60	-43.71	-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
9098.00	-52.24	2.20	11.60	-44.99	-13.00	H
9178.00	-52.19	2.10	11.60	-44.84	-13.00	H
9226.00	-50.32	2.10	11.60	-42.97	-13.00	H
9299.75	-50.49	2.00	11.60	-43.04	-13.00	H
9420.50	-52.07	2.10	11.60	-44.72	-13.00	H
9478.25	-51.58	2.10	11.60	-44.23	-13.00	V

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
9103.00	-51.90	2.20	11.60	-44.65	-13.00	H
9225.75	-51.56	2.10	11.60	-44.21	-13.00	H
9299.25	-51.26	2.00	11.60	-43.81	-13.00	H
9422.50	-50.87	2.10	11.60	-43.52	-13.00	H
9476.00	-51.38	2.10	11.60	-44.03	-13.00	V
9738.75	-50.32	2.20	11.20	-43.47	-13.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
8443.00	-51.97	1.80	11.30	-44.62	-13.00	H
9107.25	-51.93	2.10	11.60	-44.58	-13.00	H
9222.50	-51.19	2.10	11.60	-43.84	-13.00	H
9303.75	-50.80	2.00	11.60	-43.35	-13.00	H
9422.75	-52.19	2.10	11.60	-44.84	-13.00	H
9472.75	-51.81	2.10	11.60	-44.46	-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
9097.25	-51.40	2.20	11.60	-44.15	-13.00	H
9155.25	-52.02	2.10	11.60	-44.67	-13.00	H
9221.00	-50.94	2.10	11.60	-43.59	-13.00	H
9306.25	-50.51	2.00	11.60	-43.06	-13.00	H
9429.00	-52.14	2.10	11.60	-44.79	-13.00	H
9477.50	-51.10	2.10	11.60	-43.75	-13.00	V

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
9144.50	-51.44	2.10	11.60	-44.09	-13.00	H
9225.25	-51.57	2.10	11.60	-44.22	-13.00	H
9300.25	-50.47	2.00	11.60	-43.02	-13.00	H
9427.50	-51.33	2.10	11.60	-43.98	-13.00	H
9474.00	-51.47	2.10	11.60	-44.12	-13.00	V
9720.00	-51.79	2.20	11.20	-44.94	-13.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
9160.25	-52.16	2.10	11.60	-44.81	-13.00	H
9224.50	-51.18	2.10	11.60	-43.83	-13.00	H
9300.25	-50.58	2.00	11.60	-43.13	-13.00	H
9424.25	-51.83	2.10	11.60	-44.48	-13.00	H
9471.00	-51.39	2.10	11.60	-44.04	-13.00	V
9720.75	-51.30	2.20	11.20	-44.45	-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
8387.50	-51.24	1.80	11.30	-43.89	-13.00	H
9106.75	-51.97	2.10	11.60	-44.62	-13.00	H
9230.75	-51.44	2.10	11.60	-44.09	-13.00	H
9299.75	-50.43	2.00	11.60	-42.98	-13.00	H
9369.50	-51.91	2.00	11.60	-44.46	-13.00	V
9474.75	-51.17	2.10	11.60	-43.82	-13.00	V

LTE Band 41, 5MHz, QPSK, Channel 39675

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
9985.50	-50.70	2.20	11.20	-41.70	-25.00	V
16995.50	-54.92	2.90	16.50	-41.32	-25.00	H
17359.00	-53.06	3.20	14.50	-41.76	-25.00	H
17459.50	-51.84	2.90	14.50	-40.24	-25.00	H
17596.00	-49.26	3.30	12.80	-39.76	-25.00	H
17837.00	-49.71	3.60	12.80	-40.51	-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
16987.00	-54.68	2.90	16.50	-41.08	-25.00	H
17209.50	-53.28	2.90	14.50	-41.68	-25.00	H
17364.50	-52.42	3.20	14.50	-41.12	-25.00	H
17505.00	-49.50	2.90	12.80	-39.60	-25.00	H
17618.00	-48.90	3.30	12.80	-39.40	-25.00	H
17773.50	-49.49	3.60	12.80	-40.29	-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
16986.50	-55.05	2.90	16.50	-41.45	-25.00	H
17122.50	-53.72	2.90	14.50	-42.12	-25.00	H
17281.00	-53.09	3.20	14.50	-41.79	-25.00	H
17508.00	-50.14	2.90	12.80	-40.24	-25.00	H
17619.50	-49.52	3.30	12.80	-40.02	-25.00	H
17836.50	-49.82	3.60	12.80	-40.62	-25.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16999.00	-55.19	2.90	16.50	-41.59	-25.00	H
17197.50	-53.82	2.90	14.50	-42.22	-25.00	H
17281.00	-52.95	3.20	14.50	-41.65	-25.00	H
17414.50	-51.45	2.90	14.50	-39.85	-25.00	H
17592.00	-49.15	3.30	12.80	-39.65	-25.00	H
17838.50	-49.41	3.60	12.80	-40.21	-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
16995.50	-54.86	2.90	16.50	-41.26	-25.00	H
17185.00	-53.54	2.90	14.50	-41.94	-25.00	H
17275.00	-52.87	3.20	14.50	-41.57	-25.00	H
17456.50	-51.73	2.90	14.50	-40.13	-25.00	H
17619.50	-49.19	3.30	12.80	-39.69	-25.00	H
17839.00	-49.57	3.60	12.80	-40.37	-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
16948.50	-54.86	2.90	16.50	-41.26	-25.00	H
17214.00	-53.63	2.90	14.50	-42.03	-25.00	H
17279.00	-52.99	3.20	14.50	-41.69	-25.00	H
17525.00	-49.93	2.90	12.80	-40.03	-25.00	H
17584.00	-49.36	3.30	12.80	-39.86	-25.00	H
17773.50	-49.67	3.60	12.80	-40.47	-25.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16985.00	-55.07	2.90	16.50	-41.47	-25.00	H
17119.00	-53.64	2.90	14.50	-42.04	-25.00	H
17275.00	-53.08	3.20	14.50	-41.78	-25.00	H
17461.00	-51.57	2.90	14.50	-39.97	-25.00	H
17617.00	-49.34	3.30	12.80	-39.84	-25.00	H
17839.00	-49.81	3.60	12.80	-40.61	-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
16941.00	-55.04	2.90	16.50	-41.44	-25.00	H
17184.50	-53.75	2.90	14.50	-42.15	-25.00	H
17348.50	-52.70	3.20	14.50	-41.40	-25.00	H
17511.00	-49.76	2.90	12.80	-39.86	-25.00	H
17586.00	-49.21	3.30	12.80	-39.71	-25.00	H
17828.00	-49.69	3.60	12.80	-40.49	-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
16941.00	-55.10	2.90	16.50	-41.50	-25.00	H
17213.00	-53.90	2.90	14.50	-42.30	-25.00	H
17291.00	-52.84	3.20	14.50	-41.54	-25.00	H
17516.00	-50.14	2.90	12.80	-40.24	-25.00	H
17571.00	-49.25	3.30	12.80	-39.75	-25.00	H
17827.00	-49.72	3.60	12.80	-40.52	-25.00	H

LTE Band 66, 1.4MHz, QPSK, Channel 131979

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
15392.50	-40.99	2.70	12.40	-31.29	-13.00	H
16977.50	-44.86	2.90	16.50	-31.26	-13.00	H
17349.50	-42.66	3.20	14.50	-31.36	-13.00	H
17447.00	-42.18	2.90	14.50	-30.58	-13.00	H
17587.50	-39.37	3.30	12.80	-29.87	-13.00	H
17813.00	-40.09	3.60	12.80	-30.89	-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
16999.50	-44.74	2.90	16.50	-31.14	-13.00	H
17171.50	-42.45	2.90	14.50	-30.85	-13.00	H
17296.00	-42.33	3.20	14.50	-31.03	-13.00	H
17522.00	-39.14	2.90	12.80	-29.24	-13.00	H
17623.50	-38.96	3.30	12.80	-29.46	-13.00	H
17834.50	-39.66	3.60	12.80	-30.46	-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
16961.50	-44.85	2.90	16.50	-31.25	-13.00	H
17166.50	-43.91	2.90	14.50	-32.31	-13.00	H
17232.50	-42.80	3.20	14.50	-31.50	-13.00	H
17409.00	-41.37	2.90	14.50	-29.77	-13.00	H
17584.50	-39.65	3.30	12.80	-30.15	-13.00	H
17821.50	-39.57	3.60	12.80	-30.37	-13.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
15392.00	-40.78	2.70	12.40	-31.08	-13.00	H
16966.00	-44.45	2.90	16.50	-30.85	-13.00	H
17391.00	-41.86	2.90	14.50	-30.26	-13.00	H
17581.50	-38.24	3.30	12.80	-28.74	-13.00	H
17767.50	-39.81	3.60	12.80	-30.61	-13.00	H
17981.50	-37.73	3.20	12.80	-28.13	-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
16963.00	-45.02	2.90	16.50	-31.42	-13.00	H
17197.00	-43.41	2.90	14.50	-31.81	-13.00	H
17354.50	-42.84	3.20	14.50	-31.54	-13.00	H
17452.00	-41.35	2.90	14.50	-29.75	-13.00	H
17618.50	-38.32	3.30	12.80	-28.82	-13.00	H
17829.50	-39.34	3.60	12.80	-30.14	-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
16951.00	-44.63	2.90	16.50	-31.03	-13.00	H
17153.00	-43.80	2.90	14.50	-32.20	-13.00	H
17252.00	-42.54	3.20	14.50	-31.24	-13.00	H
17511.50	-40.31	2.90	12.80	-30.41	-13.00	H
17569.50	-39.79	3.30	12.80	-30.29	-13.00	H
17773.00	-39.60	3.60	12.80	-30.40	-13.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
15392.50	-39.08	2.70	12.40	-29.38	-13.00	H
16954.50	-44.82	2.90	16.50	-31.22	-13.00	H
17221.50	-42.84	3.20	14.50	-31.54	-13.00	H
17482.50	-41.69	2.90	14.50	-30.09	-13.00	H
17625.50	-39.32	3.30	12.80	-29.82	-13.00	H
17807.00	-39.98	3.60	12.80	-30.78	-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
17002.00	-42.28	2.90	14.50	-30.68	-13.00	H
17120.50	-43.44	2.90	14.50	-31.84	-13.00	H
17364.00	-42.28	3.20	14.50	-30.98	-13.00	H
17408.50	-41.60	2.90	14.50	-30.00	-13.00	H
17576.00	-39.24	3.30	12.80	-29.74	-13.00	H
17775.50	-39.57	3.60	12.80	-30.37	-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
16969.00	-44.76	2.90	16.50	-31.16	-13.00	H
17151.50	-43.52	2.90	14.50	-31.92	-13.00	H
17244.00	-42.98	3.20	14.50	-31.68	-13.00	H
17521.50	-40.11	2.90	12.80	-30.21	-13.00	H
17569.50	-39.55	3.30	12.80	-30.05	-13.00	H
17839.50	-39.84	3.60	12.80	-30.64	-13.00	H

LTE Band 71, 5MHz, QPSK, Channel 133147

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
8430.75	-52.20	1.80	11.30	-44.85	-13.00	H
9226.00	-51.20	2.10	11.60	-43.85	-13.00	H
9302.00	-51.51	2.00	11.60	-44.06	-13.00	H
9424.00	-51.47	2.10	11.60	-44.12	-13.00	H
9474.50	-51.48	2.10	11.60	-44.13	-13.00	V
9740.00	-51.44	2.20	11.20	-44.59	-13.00	H

LTE Band 71, 5MHz, QPSK, Channel 133297

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
9102.50	-51.79	2.20	11.60	-44.54	-13.00	H
9225.00	-51.04	2.10	11.60	-43.69	-13.00	H
9305.25	-51.10	2.00	11.60	-43.65	-13.00	H
9423.00	-51.63	2.10	11.60	-44.28	-13.00	H
9474.25	-51.33	2.10	11.60	-43.98	-13.00	V
9759.50	-50.28	2.20	11.20	-43.43	-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
8419.50	-51.99	1.80	11.30	-44.64	-13.00	H
9103.00	-52.17	2.20	11.60	-44.92	-13.00	H
9224.75	-51.53	2.10	11.60	-44.18	-13.00	H
9295.75	-51.32	2.00	11.60	-43.87	-13.00	H
9424.00	-51.90	2.10	11.60	-44.55	-13.00	H
9474.25	-51.10	2.10	11.60	-43.75	-13.00	V

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
9095.25	-50.94	2.20	11.60	-43.69	-13.00	H
9227.50	-50.92	2.10	11.60	-43.57	-13.00	H
9300.50	-50.54	2.00	11.60	-43.09	-13.00	H
9421.25	-51.71	2.10	11.60	-44.36	-13.00	H
9472.00	-50.97	2.10	11.60	-43.62	-13.00	V
9731.00	-51.50	2.20	11.20	-44.65	-13.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
7910.25	-52.50	1.70	11.30	-45.05	-13.00	H
9100.00	-51.76	2.20	11.60	-44.51	-13.00	H
9225.25	-51.64	2.10	11.60	-44.29	-13.00	H
9302.00	-51.29	2.00	11.60	-43.84	-13.00	H
9417.75	-52.22	2.10	11.60	-44.87	-13.00	H
9472.75	-51.45	2.10	11.60	-44.10	-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
9103.50	-52.01	2.20	11.60	-44.76	-13.00	H
9227.25	-51.46	2.10	11.60	-44.11	-13.00	H
9304.00	-51.42	2.00	11.60	-43.97	-13.00	H
9367.25	-52.17	2.00	11.60	-44.72	-13.00	V
9470.50	-50.59	2.10	11.60	-43.24	-13.00	V
9740.25	-51.28	2.20	11.20	-44.43	-13.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
8472.00	-52.59	1.80	11.30	-45.24	-13.00	H
9228.75	-50.45	2.10	11.60	-43.10	-13.00	H
9305.25	-51.17	2.00	11.60	-43.72	-13.00	H
9373.75	-52.13	2.00	11.60	-44.68	-13.00	V
9475.25	-51.11	2.10	11.60	-43.76	-13.00	V
9738.75	-51.75	2.20	11.20	-44.90	-13.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
9098.25	-51.74	2.20	11.60	-44.49	-13.00	H
9224.50	-50.90	2.10	11.60	-43.55	-13.00	H
9300.25	-50.80	2.00	11.60	-43.35	-13.00	H
9423.00	-51.75	2.10	11.60	-44.40	-13.00	H
9474.75	-50.90	2.10	11.60	-43.55	-13.00	V
9751.75	-50.33	2.20	11.20	-43.48	-13.00	H

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

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
8366.00	-51.19	1.80	11.30	-43.84	-13.00	H
9225.75	-51.11	2.10	11.60	-43.76	-13.00	H
9300.25	-50.96	2.00	11.60	-43.51	-13.00	H
9371.00	-51.95	2.00	11.60	-44.50	-13.00	V
9463.50	-51.46	2.10	11.60	-44.11	-13.00	V
9735.50	-51.21	2.20	11.20	-44.36	-13.00	H

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

A.3 FREQUENCY STABILITY

A.3.1 Method of Measurement

Frequency stability is a measure of the frequency drift due to temperature and supply voltage variations, with reference to the frequency measured at +20 °C and rated supply voltage. Two reference points are established at the applicable unwanted emissions limit using a RBW equal to the RBW required by the unwanted emissions specification of the applicable regulatory standard. These reference points measured using the lowest and highest channel of operation shall be identified as F_L and F_H respectively.

In order to measure the carrier frequency under the condition of AFC lock, it is necessary to make measurements with the EUT in a “call mode”. This is accomplished with the use of CMW500

1. Measure the carrier frequency at room temperature.
2. Subject the EUT to overnight soak at -30°C.
3. With the EUT, powered via nominal voltage, connected to the CMW500 and in a simulated call on mid channel of each band, measure the carrier frequency. These measurements should be made within 2 minutes of Powering up the EUT, to prevent significant self-warming.
4. Repeat the above measurements at 10°C increments from -30°C to +50°C. Allow at least 1.5 hours at each temperature, unpowered, before making measurements.
5. Re-measure carrier frequency at room temperature with nominal voltage. Vary supply voltage from minimum voltage to maximum voltage, in 0.1Volt increments e-measuring carrier frequency at each voltage. Pause at nominal voltage for 1.5 hours unpowered, to allow any self-heating to stabilize, before continuing.
6. Subject the EUT to overnight soak at +50°C.
7. With the EUT, powered via nominal voltage, connected to the CMW500 and in a simulated call on the center channel, measure the carrier frequency. These measurements should be made within 2 minutes of Powering up the EUT, to prevent significant self-warming.
8. Repeat the above measurements at 10°C increments from +50°C to -30°C. Allow at least 1.5 hours at each temperature, unpowered, before making measurements.
9. At all temperature levels hold the temperature to +/- 0.5 °C during the measurement procedure.

The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block. As this transceiver is considered "Hand carried, battery powered equipment" Section 2.1055(d)(2) applies. This requires that the lower voltage for frequency stability testing be specified by the manufacturer. This transceiver is specified to operate with an input voltage of the lower, higher and nominal voltage. Operation above or below these voltage limits is prohibited by transceiver software in order to prevent improper operation as well as to protect components from overstress.

A.3.2 Measurement results

LTE Band 2, 5MHz bandwidth (worst case of all bandwidths)

Frequency Error vs Temperature

Temperature(°C)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	3.85	1850.800	1909.220		
50				-0.26	0.0001
40				-0.10	0.0001
30				0.04	0.0000
10				1.04	0.0006
0				-0.31	0.0002
-10				0.01	0.0000
-20				0.31	0.0002
-30				-0.36	0.0002

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
3.65	20	1850.800	1909.220	-0.10	0.0001
4.40				0.31	0.0002

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

LTE Band 4, 10MHz bandwidth (worst case of all bandwidths)

Frequency Error vs Temperature

Temperature(°C)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
50	3.85	1710.810	1754.190		
40				-0.38	0.0002
30				-0.61	0.0003
20				-0.35	0.0002
10				0.27	0.0002
0				0.10	0.0001
-10				-0.05	0.0000
-20				-0.18	0.0001
-30				0.72	0.0004

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
3.65	20	1710.810	1754.190	-0.49	0.0003
4.40				0.17	0.0001

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

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

Temperature(°C)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
50	3.85	824.350	848.600		
40				0.23	0.0003
30				0.14	0.0002
20				0.30	0.0004
10				0.57	0.0007
0				-0.60	0.0007
-10				-0.04	0.0000
-20				0.16	0.0002
-30				0.74	0.0009

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
3.65	20	824.350	848.600	0.52	0.0006
4.40				0.38	0.0005

Expanded measurement uncertainty is 10 Hz, $k = 2$
LTE Band 12, 1.4MHz bandwidth (worst case of all bandwidths)
Frequency Error vs Temperature

Temperature(°C)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	3.85	699.440	715.540		
50				0.35	0.0005
40				0.02	0.0000
30				0.29	0.0004
10				-0.24	0.0003
0				-0.12	0.0002
-10				-0.44	0.0006
-20				-0.11	0.0001
-30				0.00	0.0000

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
3.65	20	699.440	715.540	-0.11	0.0002
4.40				-0.95	0.0013

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

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

Temperature(°C)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	3.85	777.469	786.535		
50				-0.28	0.0004
40				0.10	0.0001
30				-0.21	0.0003
10				0.28	0.0004
0				0.14	0.0002
-10				-0.01	0.0000
-20				-0.42	0.0005
-30				-0.64	0.0008

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
3.65	20	777.469	786.535	0.43	0.0005
4.40				1.05	0.0013

Expanded measurement uncertainty is 10Hz, k = 2

LTE Band 25, 20MHz bandwidth (worst case of all bandwidths)
Frequency Error vs Temperature

Temperature(°C)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
50	3.85	1850.810	1914.180		
40				-1.30	0.0007
30				-0.62	0.0003
20				-1.06	0.0006
10				-0.78	0.0004
0				-0.64	0.0003
-10				0.00	0.0000
-20				0.29	0.0002
-30				-0.30	0.0002

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
3.65	20	1850.810	1914.180	-0.22	0.0001
4.40				-1.24	0.0007

Expanded measurement uncertainty is 10Hz, k = 2

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

Temperature(°C)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	3.85	814.360	823.620		
50				-0.28	0.0003
40				0.14	0.0002
30				-0.34	0.0004
10				-0.04	0.0000
0				-0.12	0.0002
-10				0.60	0.0007
-20				0.09	0.0001
-30				-0.17	0.0002

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
3.65	20	814.360	823.620	-0.80	0.0010
4.40				-1.05	0.0013

Expanded measurement uncertainty is 10Hz, k = 2

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

Temperature(°C)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	3.85	824.500	848.450		
50				0.32	0.0004
40				0.01	0.0000
30				-0.55	0.0007
10				0.55	0.0007
0				0.35	0.0004
-10				-0.71	0.0008
-20				-0.61	0.0007
-30				0.12	0.0001

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
3.65	20	824.500	848.450	0.03	0.0000
4.40				-0.25	0.0003

Expanded measurement uncertainty is 10Hz, k = 2

LTE band 41, 20MHz bandwidth QPSK(worst case of all bandwidths)
Frequency Error vs Temperature

Temperature(°C)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	3.85	2496.500	2689.460		
50				-1.48	0.0006
40				-0.80	0.0003
30				0.08	0.0000
10				0.04	0.0000
0				-2.28	0.0009
-10				0.89	0.0003
-20				-0.17	0.0001
-30				-0.19	0.0001

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
3.65	20	2496.500	2689.460	-0.57	0.0002
4.40				-0.23	0.0001

Expanded measurement uncertainty is 10 Hz, k = 2

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

Temperature(°C)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	3.85	1710.810	1779.200		
50				-1.07	0.0006
40				0.92	0.0005
30				0.60	0.0003
10				0.47	0.0003
0				0.73	0.0004
-10				0.60	0.0003
-20				0.58	0.0003
-30				1.49	0.0009

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
3.65	20	1710.810	1779.200	1.11	0.0006
4.40				0.80	0.0005

Expanded measurement uncertainty is 10Hz, k = 2

LTE Band 71, 1.4MHz bandwidth (worst case of all bandwidths)
Frequency Error vs Temperature

Temperature(°C)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	3.85	663.810	697.190		
50				-0.46	0.0007
40				-0.19	0.0003
30				0.16	0.0002
10				-0.05	0.0001
0				0.15	0.0002
-10				0.60	0.0009
-20				-0.45	0.0007
-30				-0.10	0.0001

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
3.65	20	663.810	697.190	0.17	0.0002
4.40				-0.76	0.0011

Expanded measurement uncertainty is 10Hz, k = 2

A.4 OCCUPIED BANDWIDTH

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

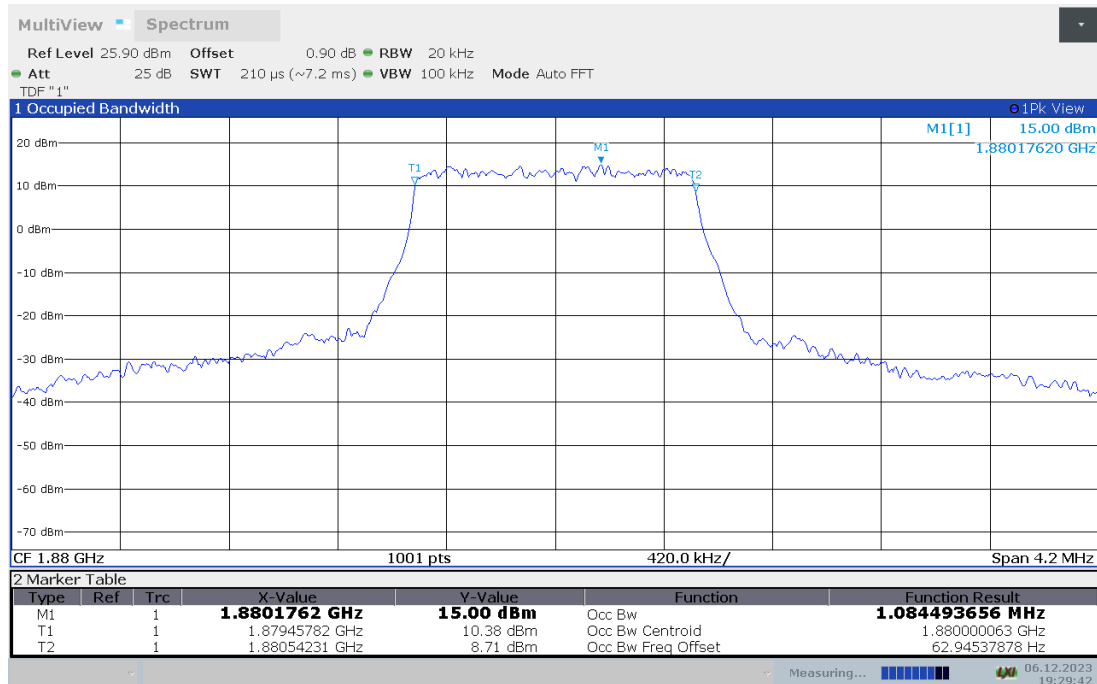
The measurement method is from ANSI C63.26:

- a) The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be set wide enough to capture all modulation products including the emission skirts.
- b) The nominal IF filter 3 dB bandwidth (RBW) shall be in the range of 1% to 5% of the anticipated OBW, and the VBW shall be set $\geq 3 \times \text{RBW}$.
- c) Set the reference level of the instrument as required to prevent the signal amplitude from exceeding the maximum spectrum analyzer input mixer level for linear operation.
- d) Set the detection mode to peak, and the trace mode to max-hold.

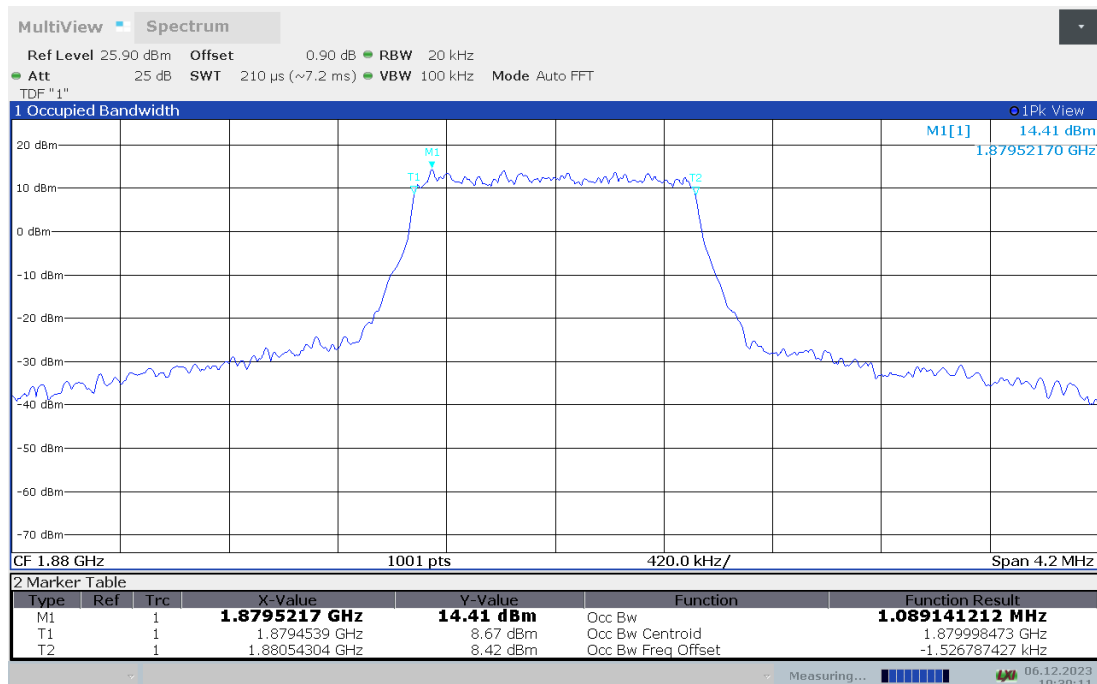
LTE band 2,1.4MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1880	1.084	1.089

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



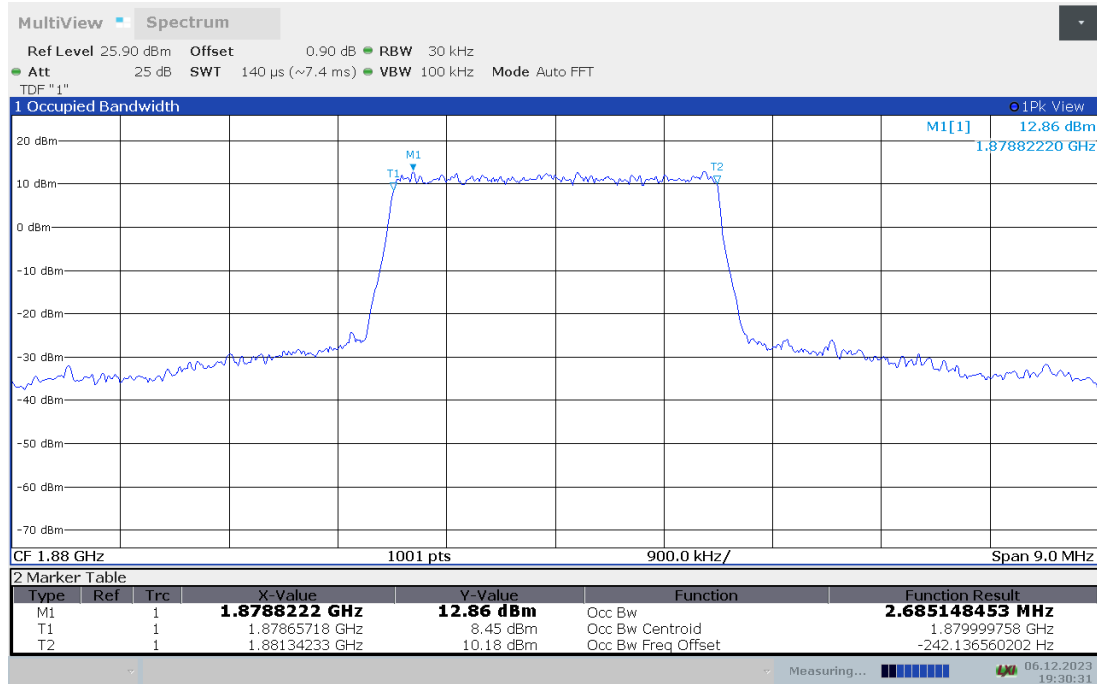
LTE band 2 , 1.4MHz Bandwidth, MID, 16QAM (99% BW)



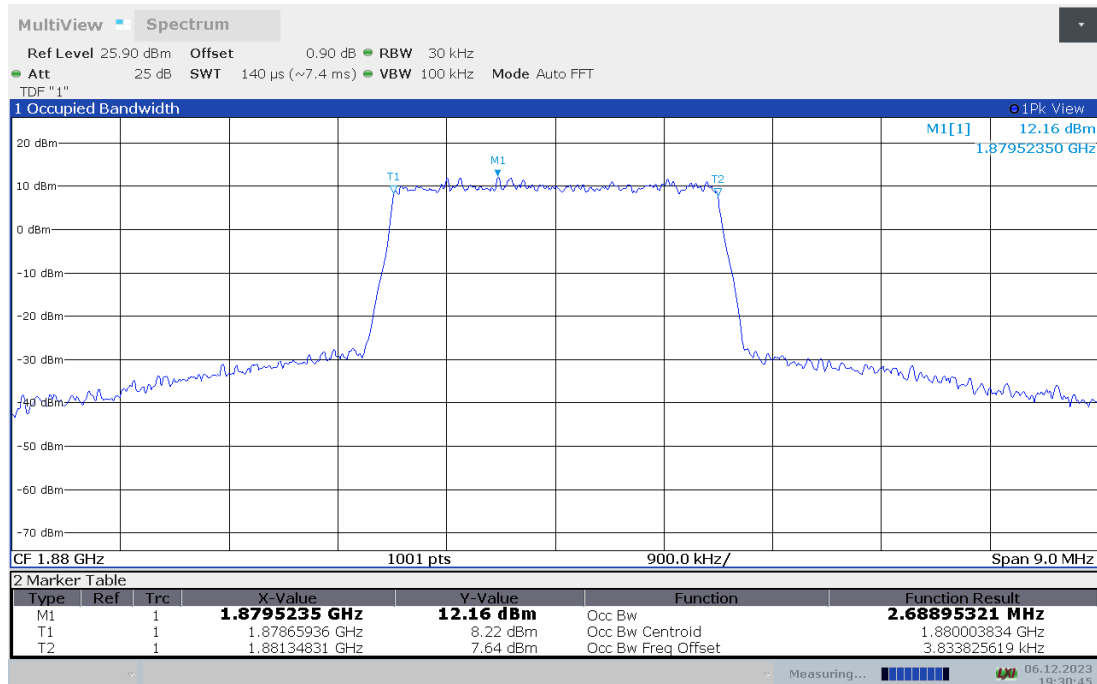
LTE band 2,3MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1880	2.685	2.689

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



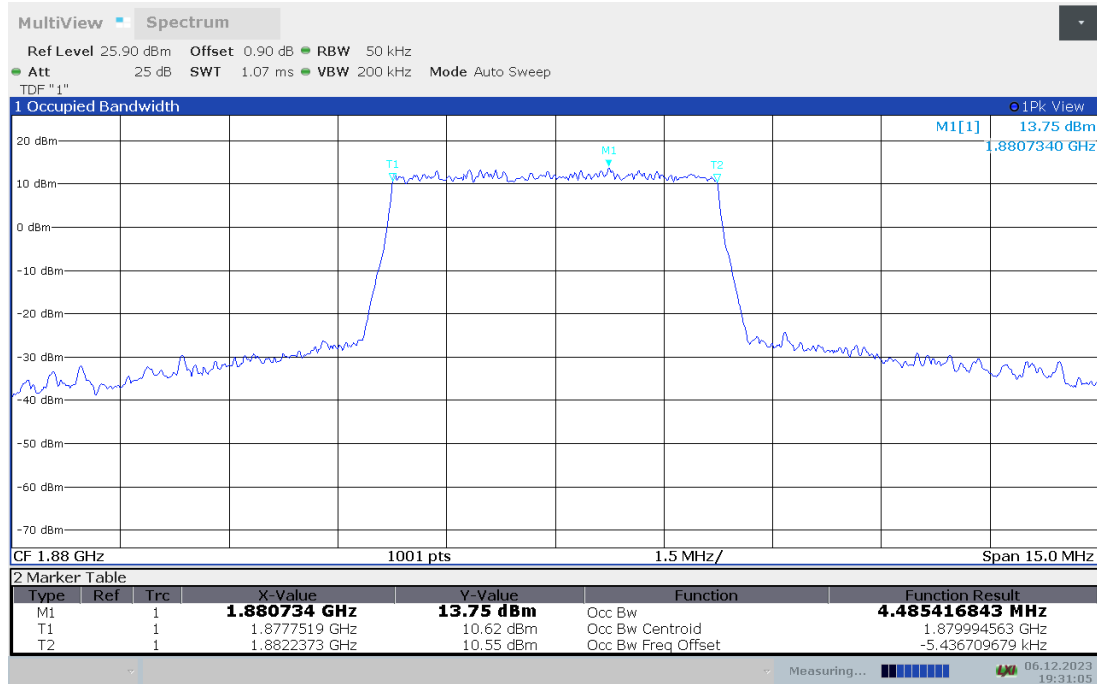
LTE band 2 , 3MHz Bandwidth, MID, 16QAM (99% BW)



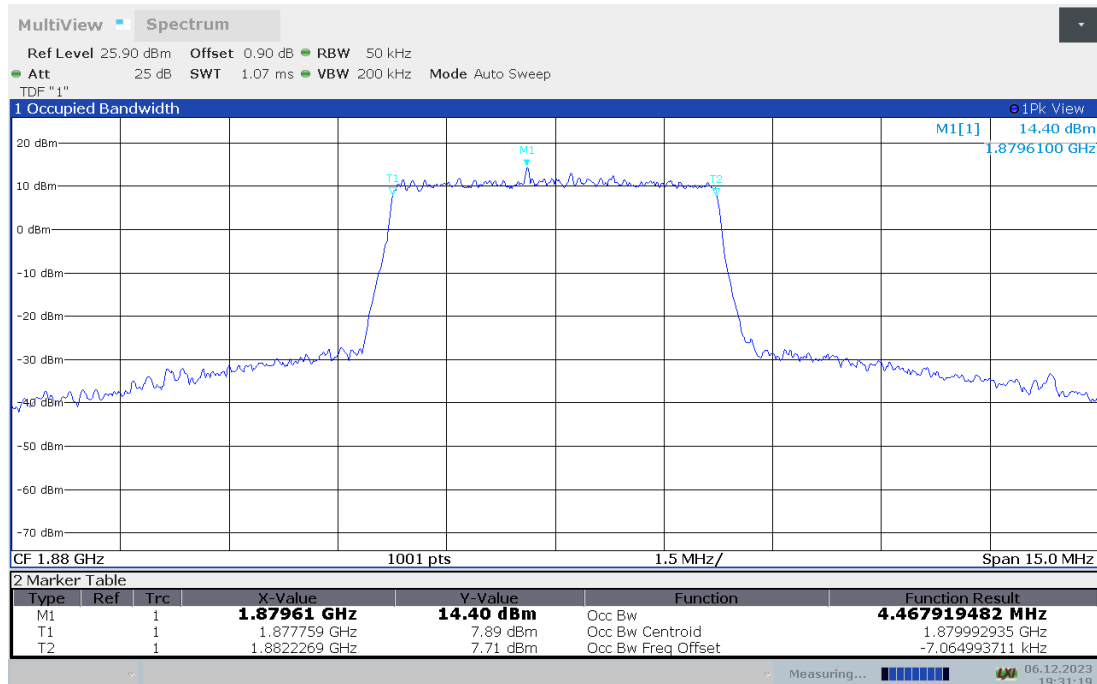
LTE band 2,5MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1880	4.485	4.468

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



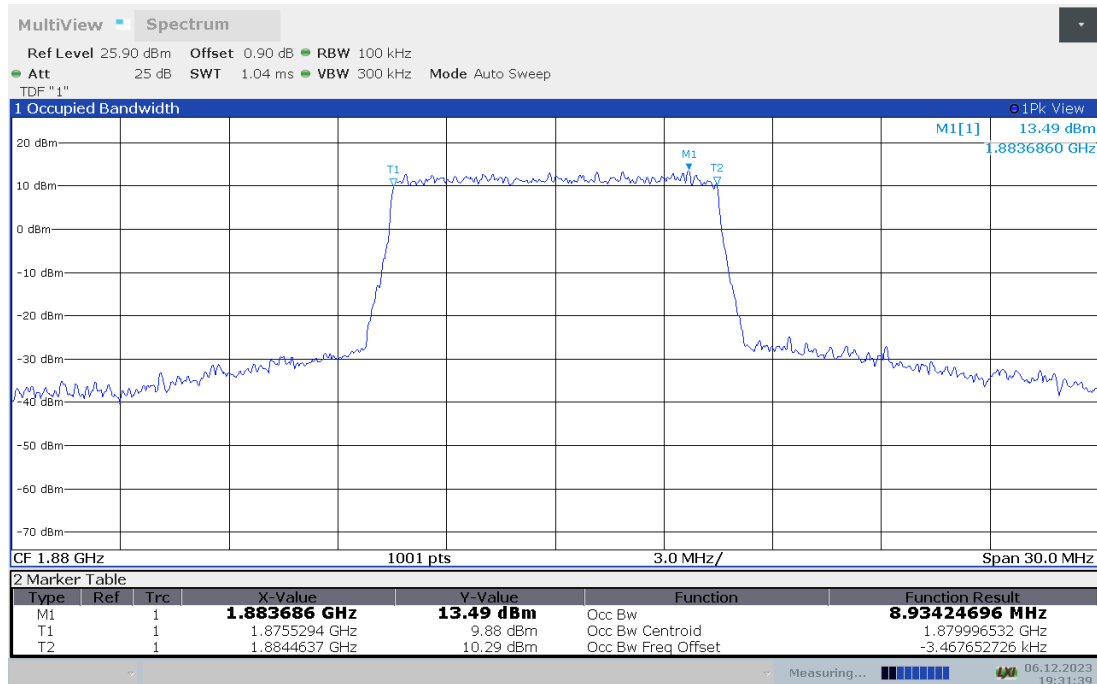
LTE band 2 , 5MHz Bandwidth, MID, 16QAM (99% BW)



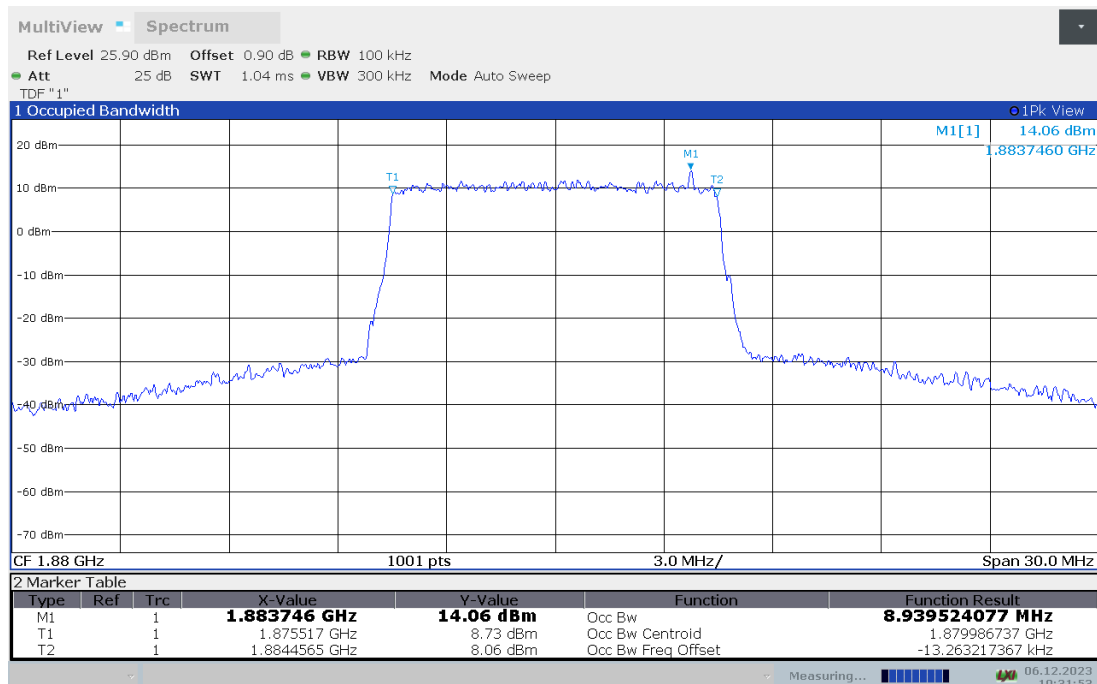
LTE band 2,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1880	8.934	8.940

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



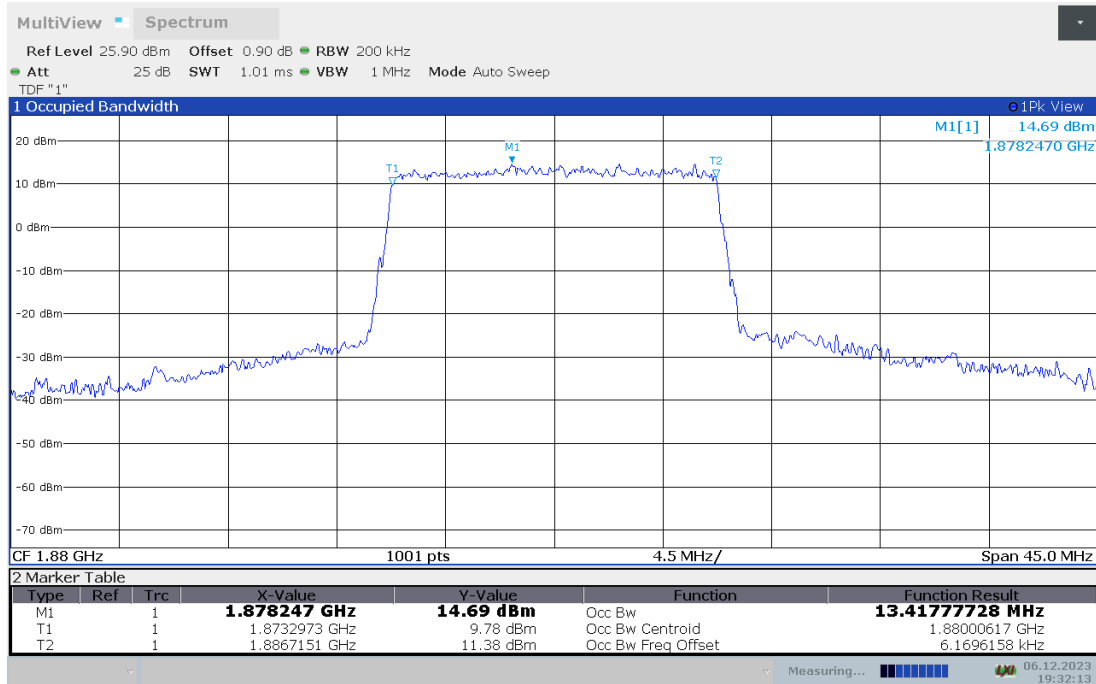
LTE band 2 , 10MHz Bandwidth, MID, 16QAM (99% BW)



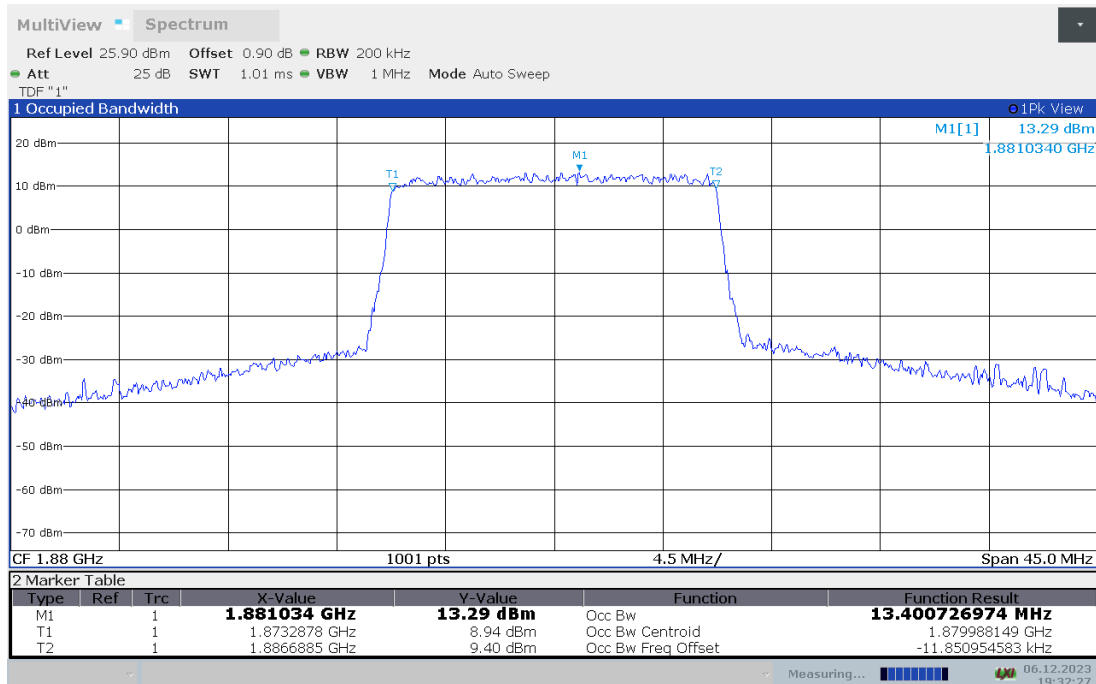
LTE band 2,15MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1880	13.418	13.401

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



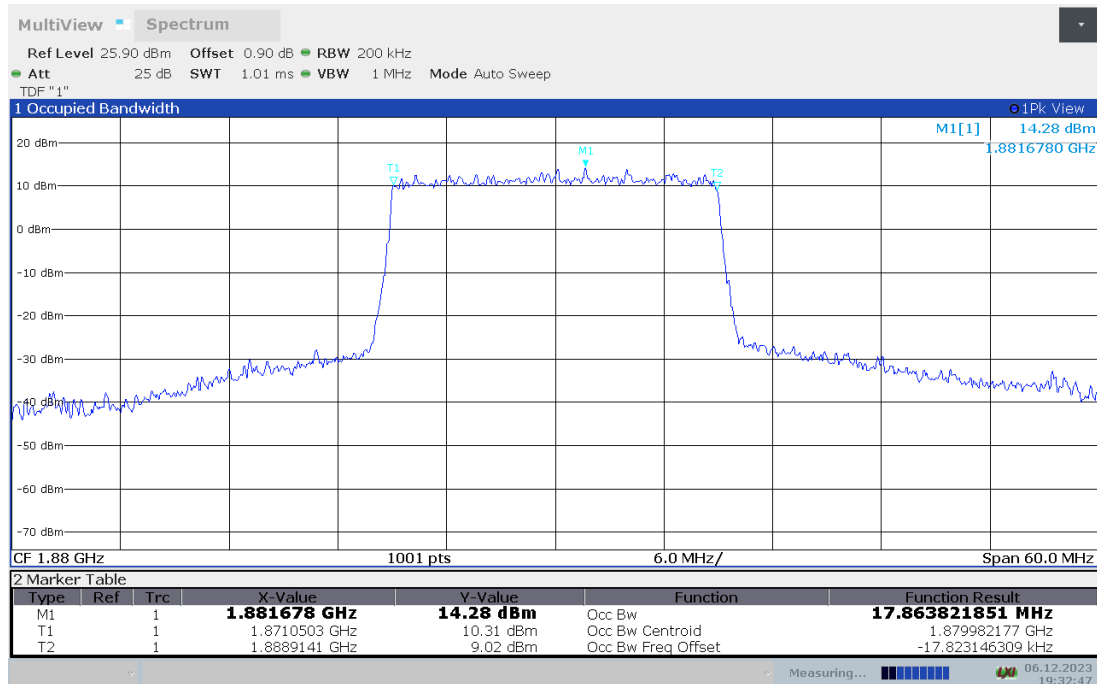
LTE band 2 , 15MHz Bandwidth, MID, 16QAM (99% BW)



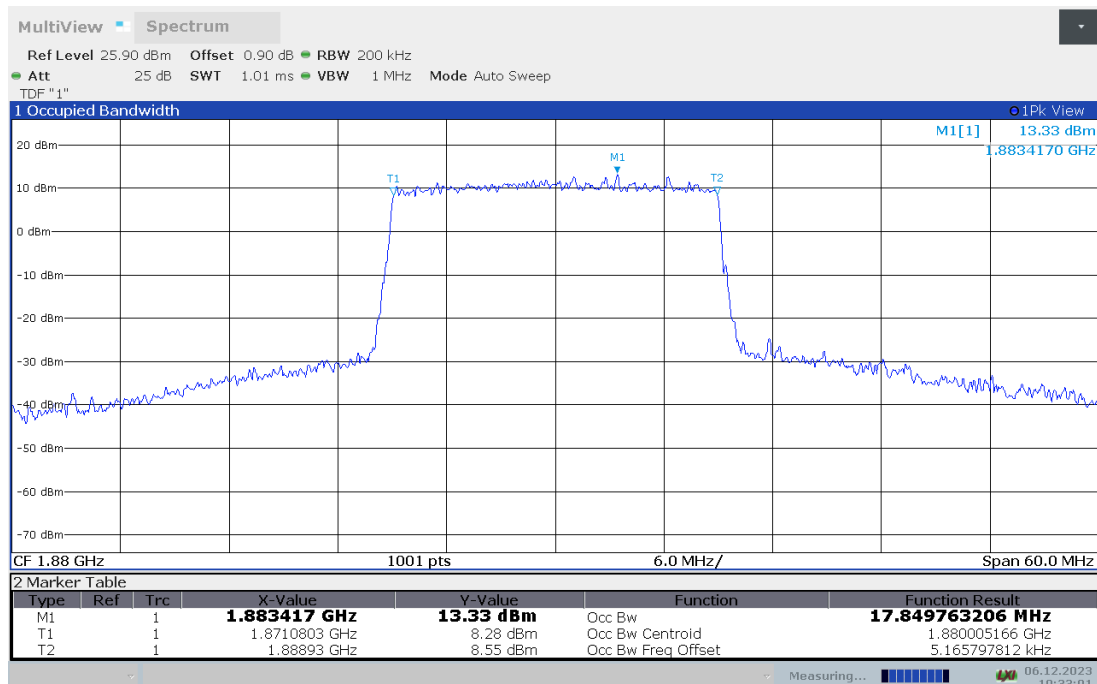
LTE band 2,20MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1880	17.864	17.850

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



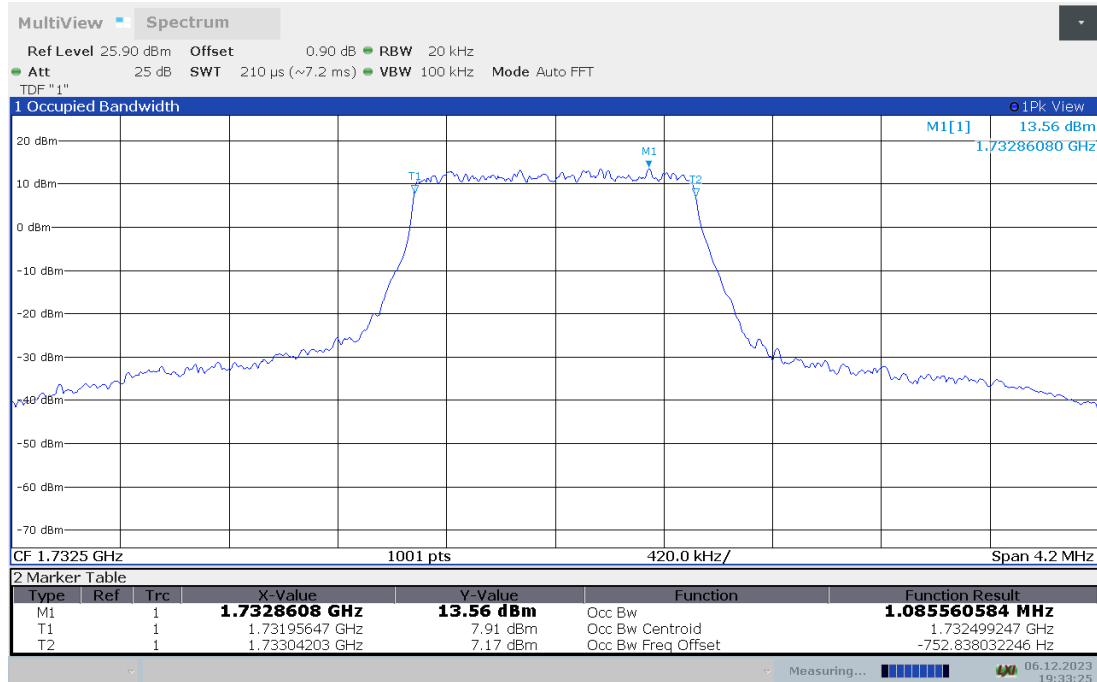
LTE band 2 , 20MHz Bandwidth, MID, 16QAM (99% BW)



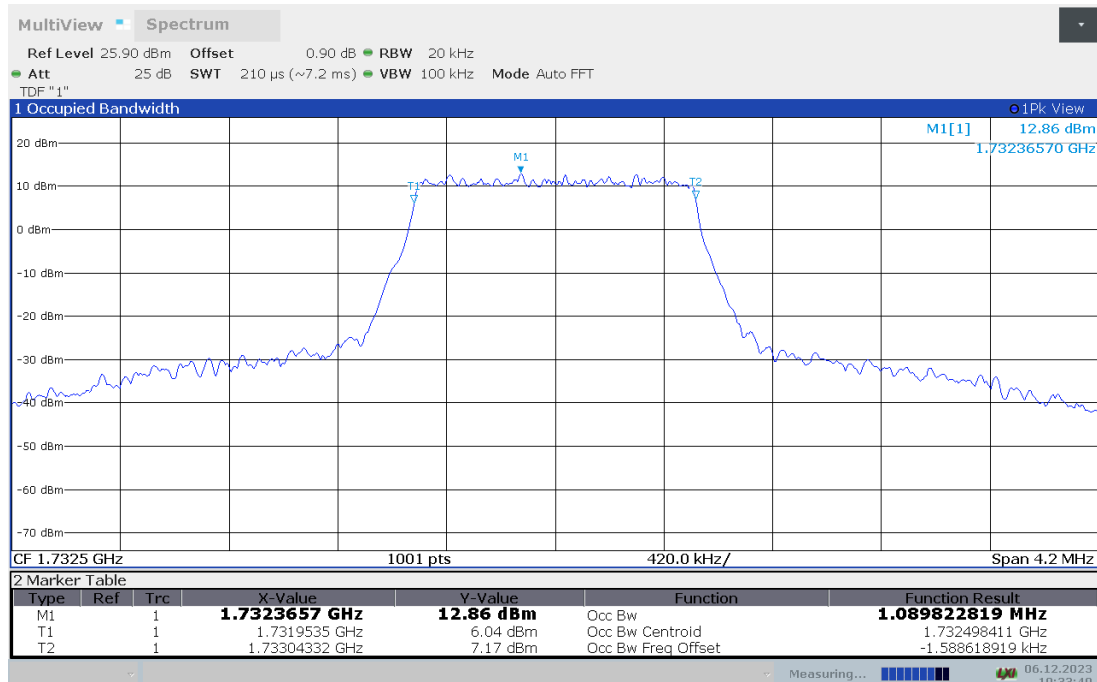
LTE band 4,1.4MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1732.5	1.086	1.090

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



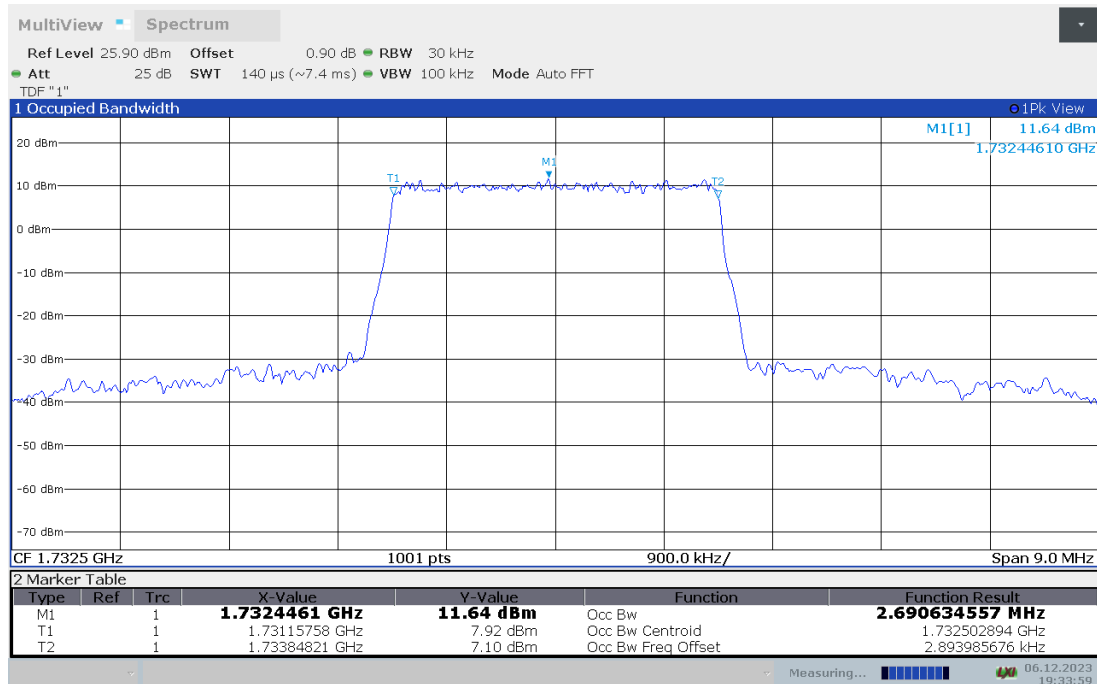
LTE band 4 , 1.4MHz Bandwidth, MID, 16QAM (99% BW)



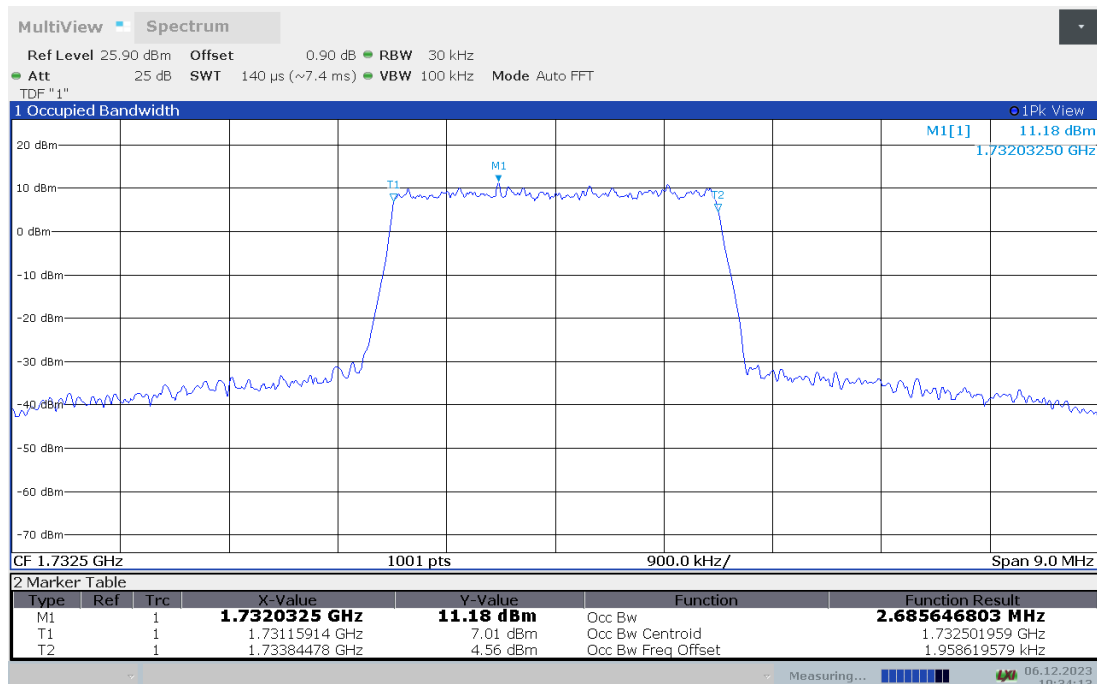
LTE band 4,3MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1732.5	2.691	2.686

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



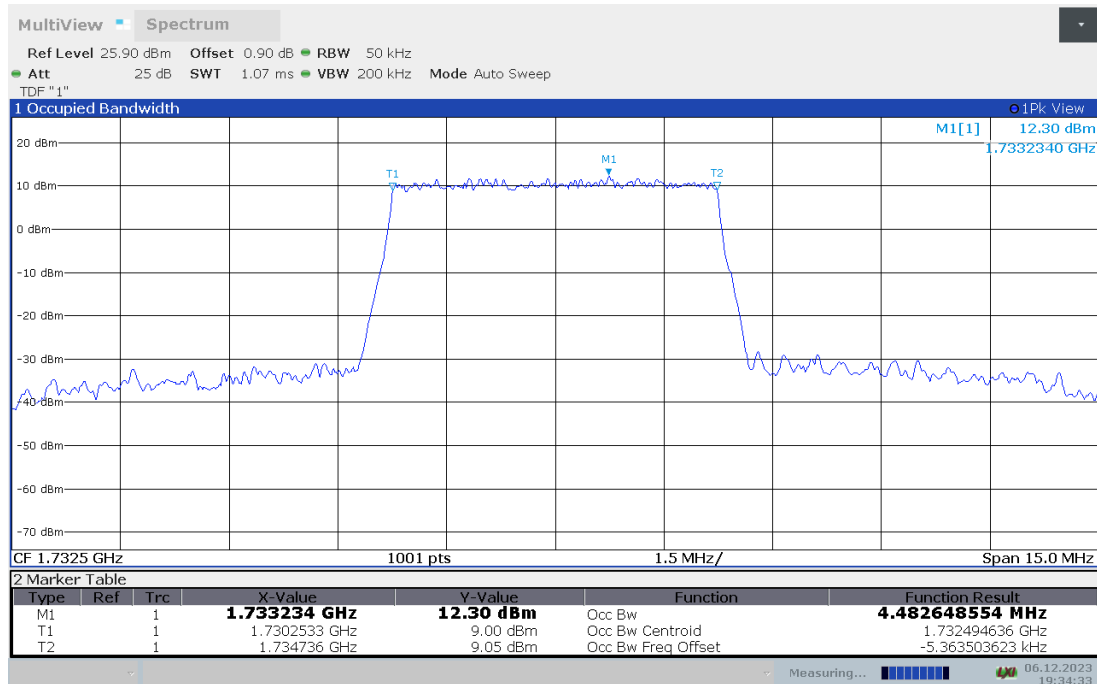
LTE band 4 , 3MHz Bandwidth, MID, 16QAM (99% BW)



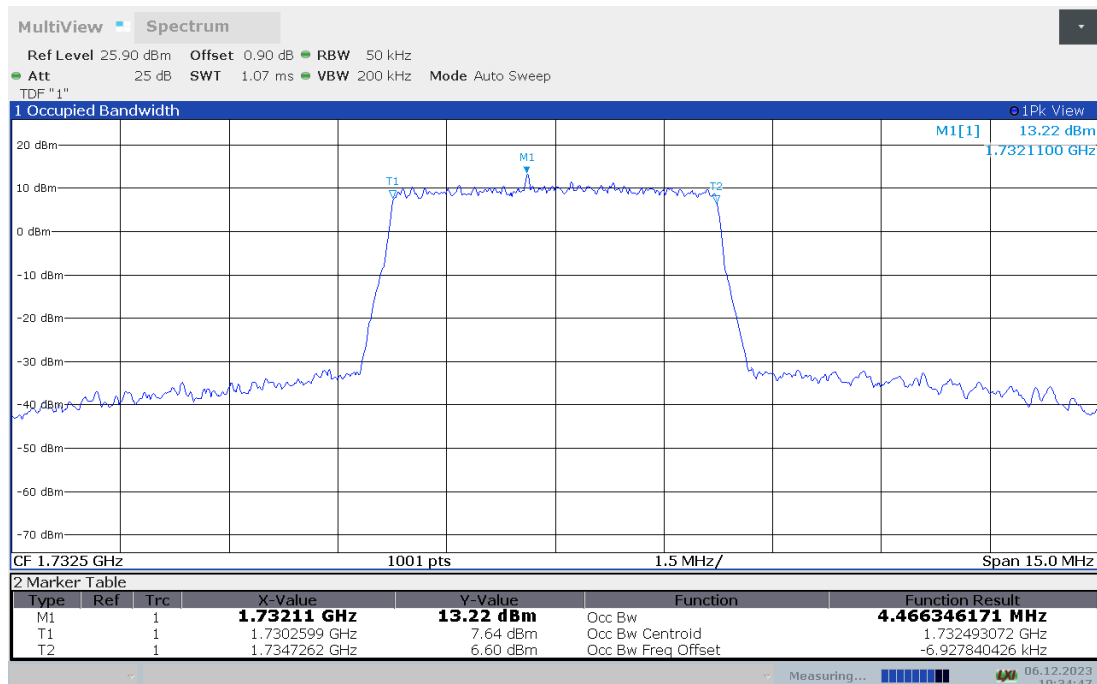
LTE band 4,5MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1732.5	4.483	4.466

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



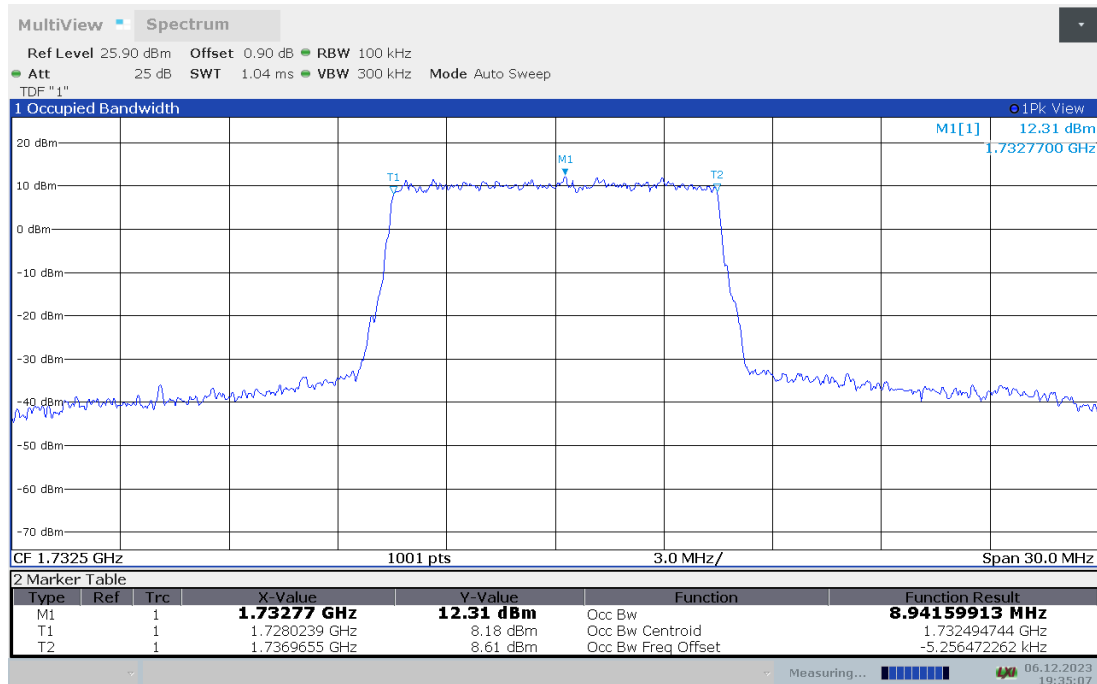
LTE band 4 , 5MHz Bandwidth, MID, 16QAM (99% BW)



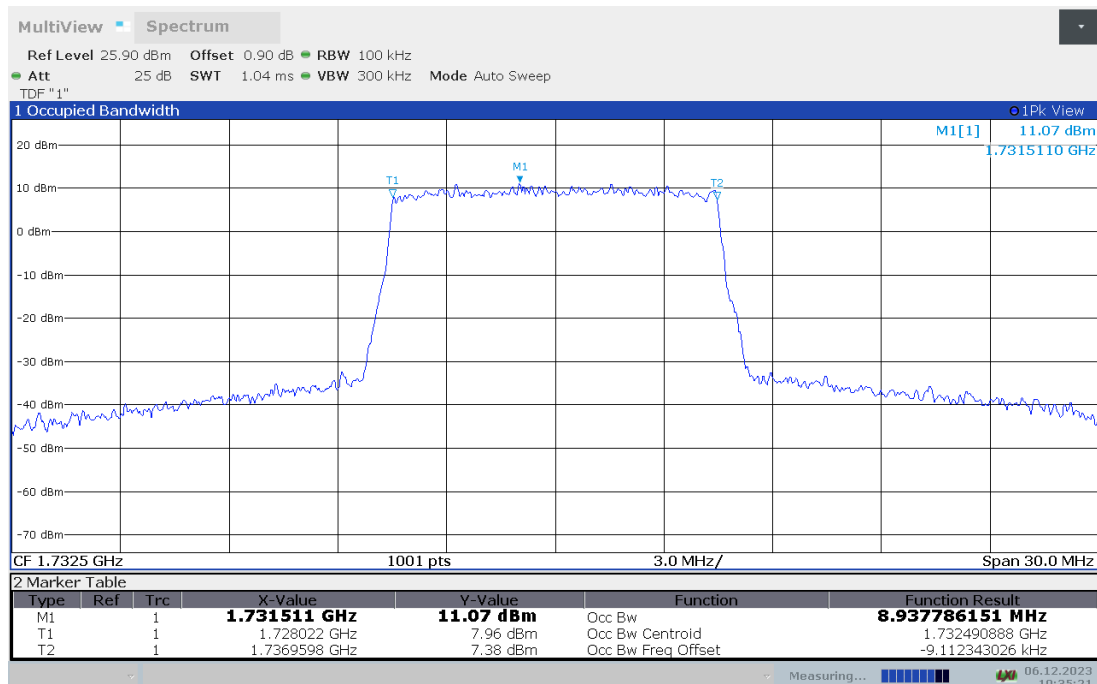
LTE band 4,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1732.5	8.942	8.938

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



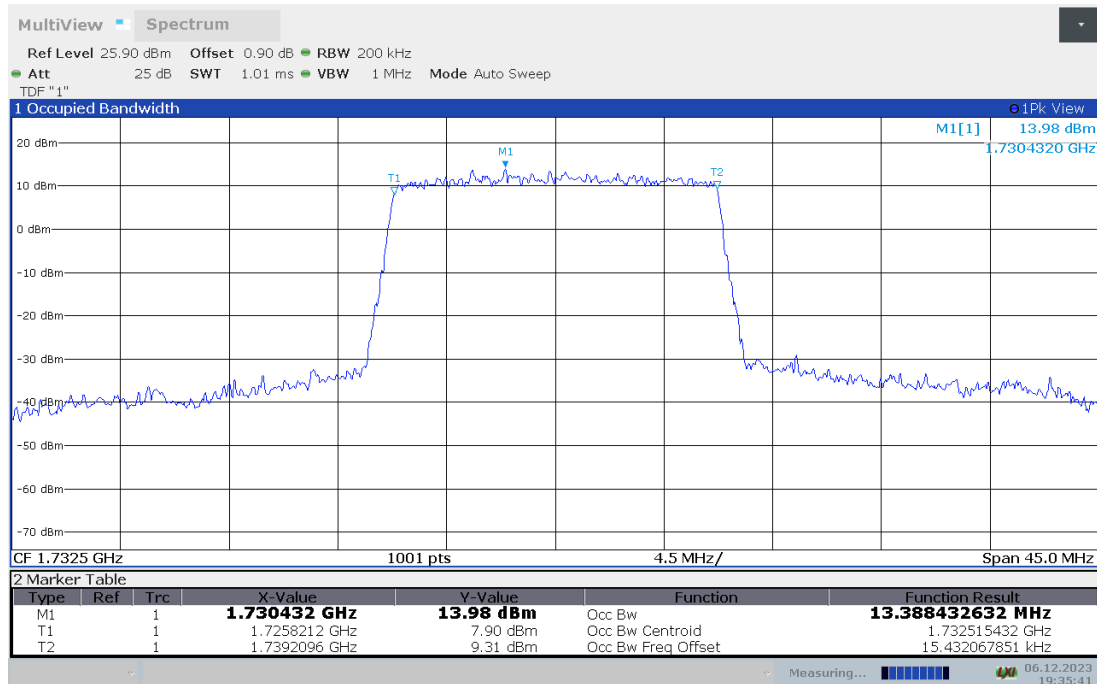
LTE band 4 , 10MHz Bandwidth, MID, 16QAM (99% BW)



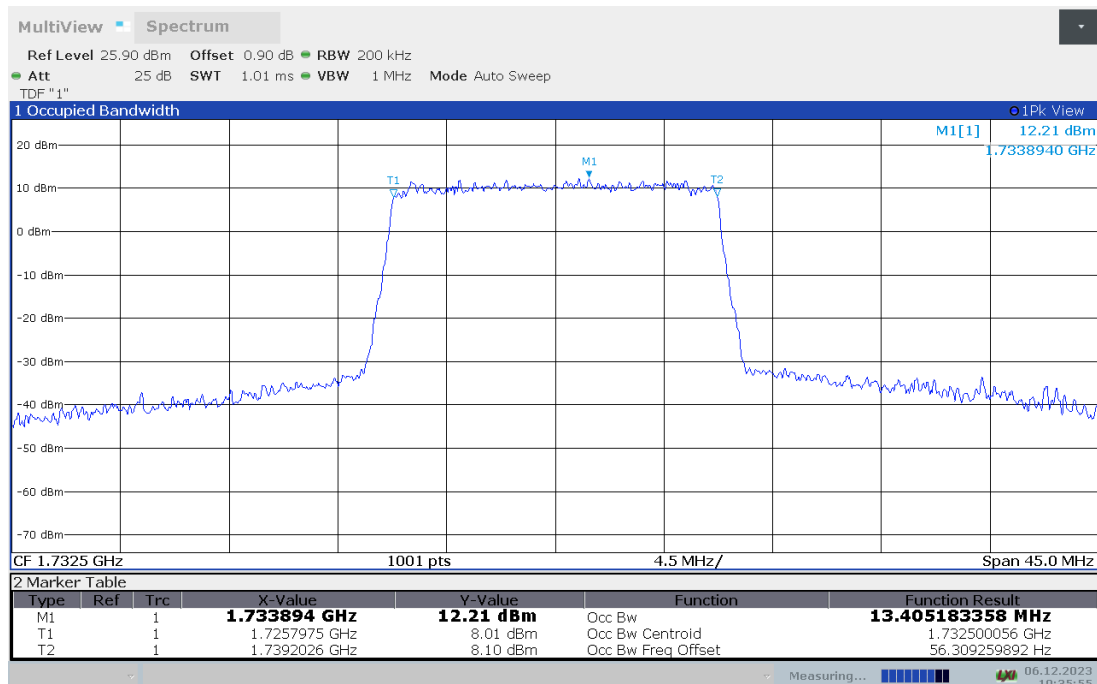
LTE band 4,15MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1732.5	13.388	13.405

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



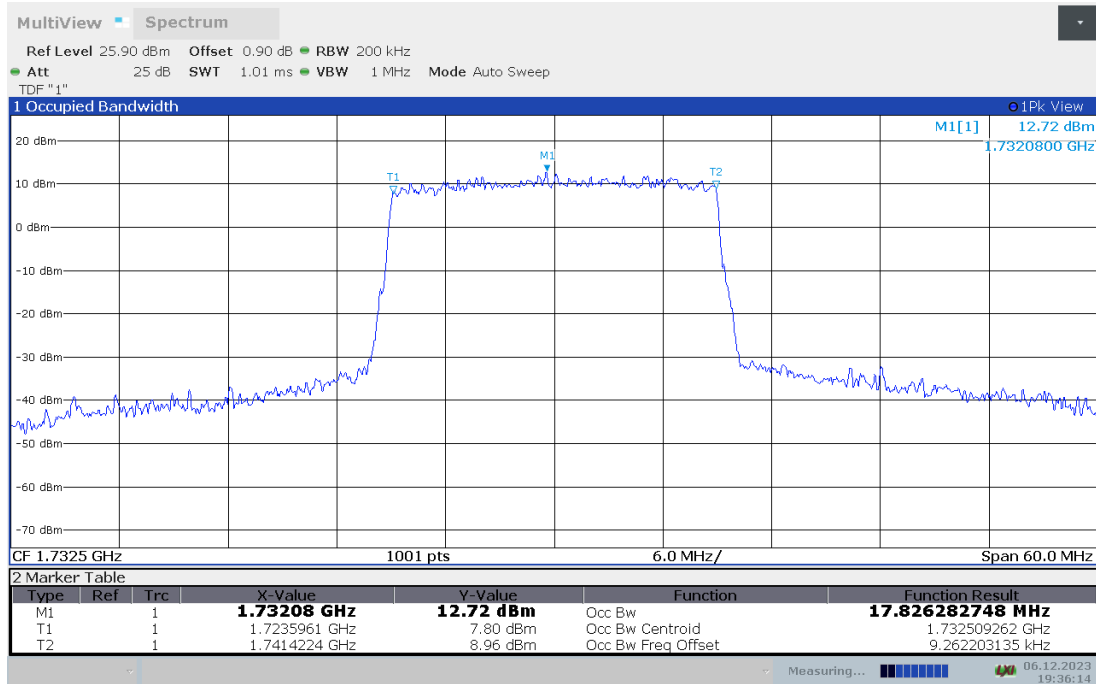
LTE band 4 , 15MHz Bandwidth, MID, 16QAM (99% BW)



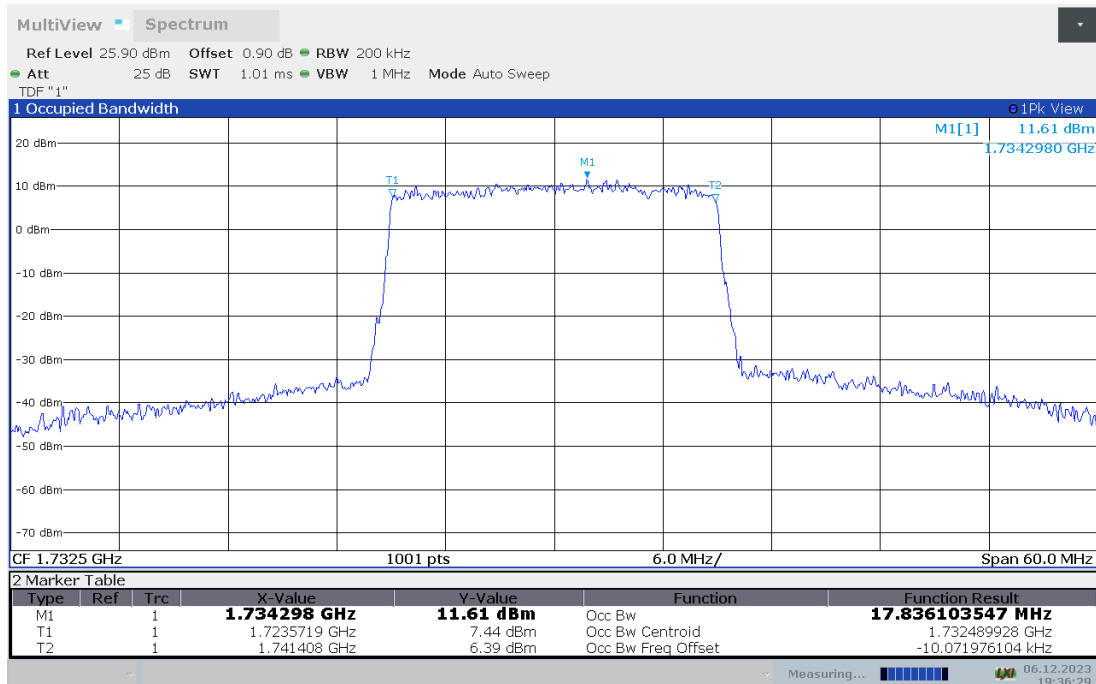
LTE band 4,20MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1732.5	17.826	17.836

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



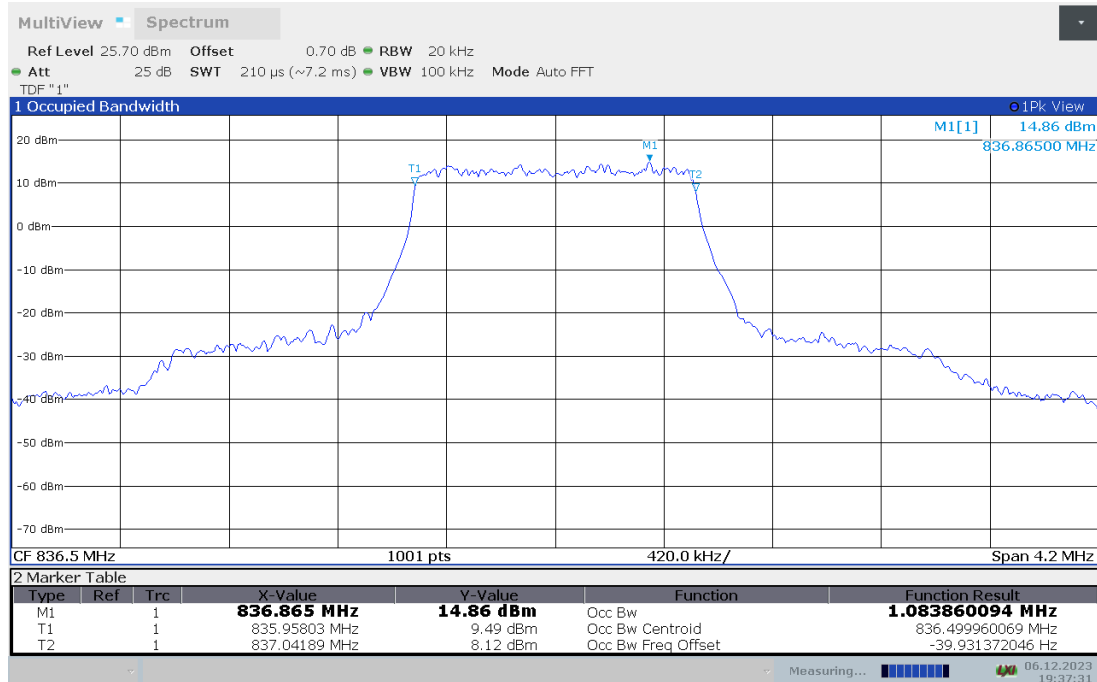
LTE band 4 , 20MHz Bandwidth, MID, 16QAM (99% BW)



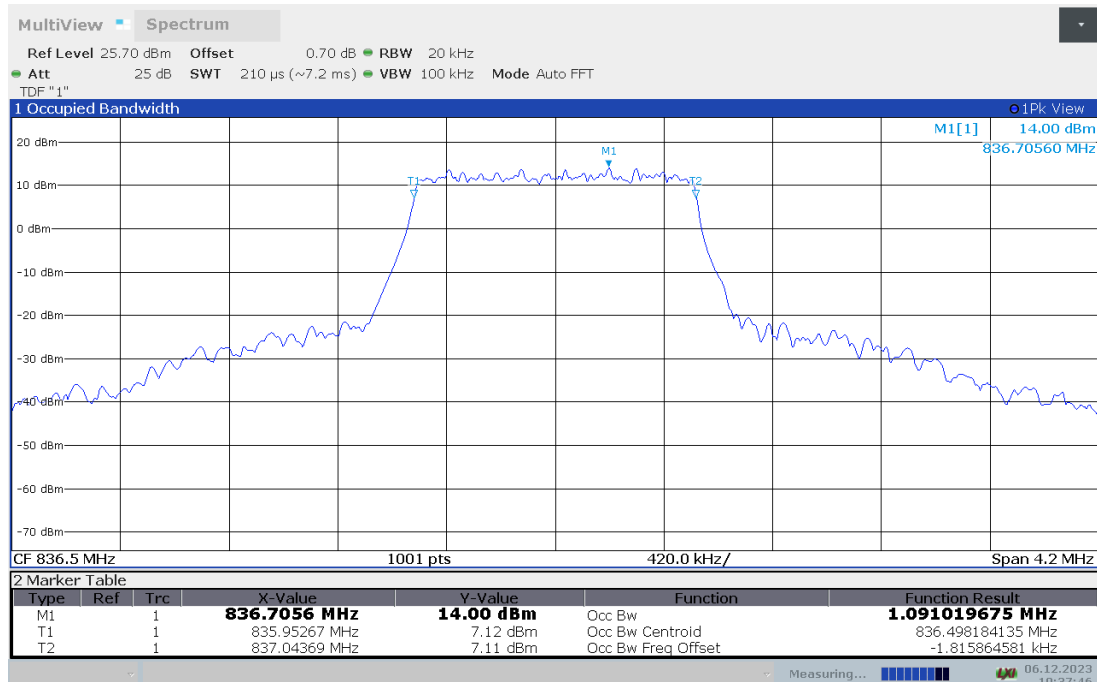
LTE band 5,1.4MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
836.5	1.084	1.091

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



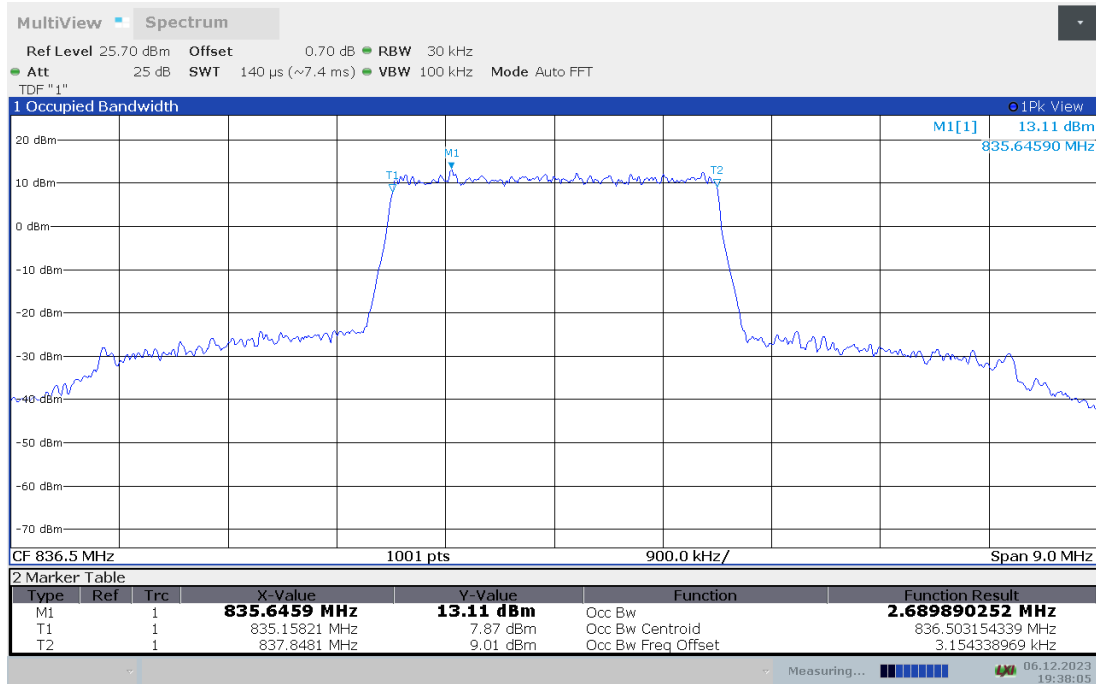
LTE band 5 , 1.4MHz Bandwidth, MID, 16QAM (99% BW)



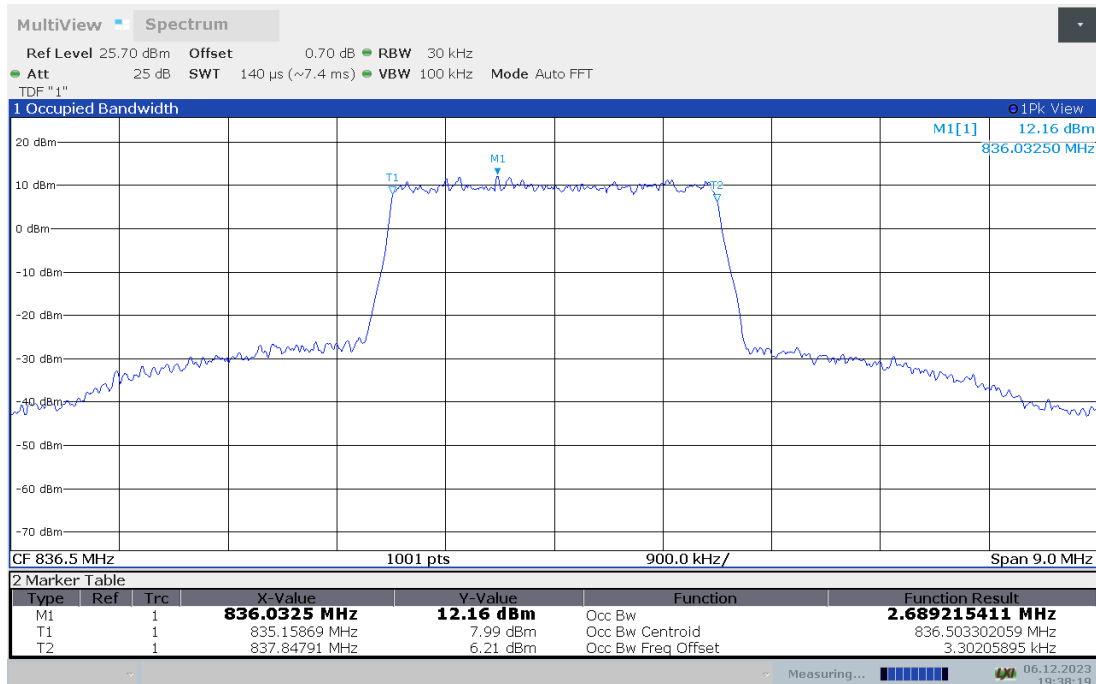
LTE band 5,3MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
836.5	2.690	2.689

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



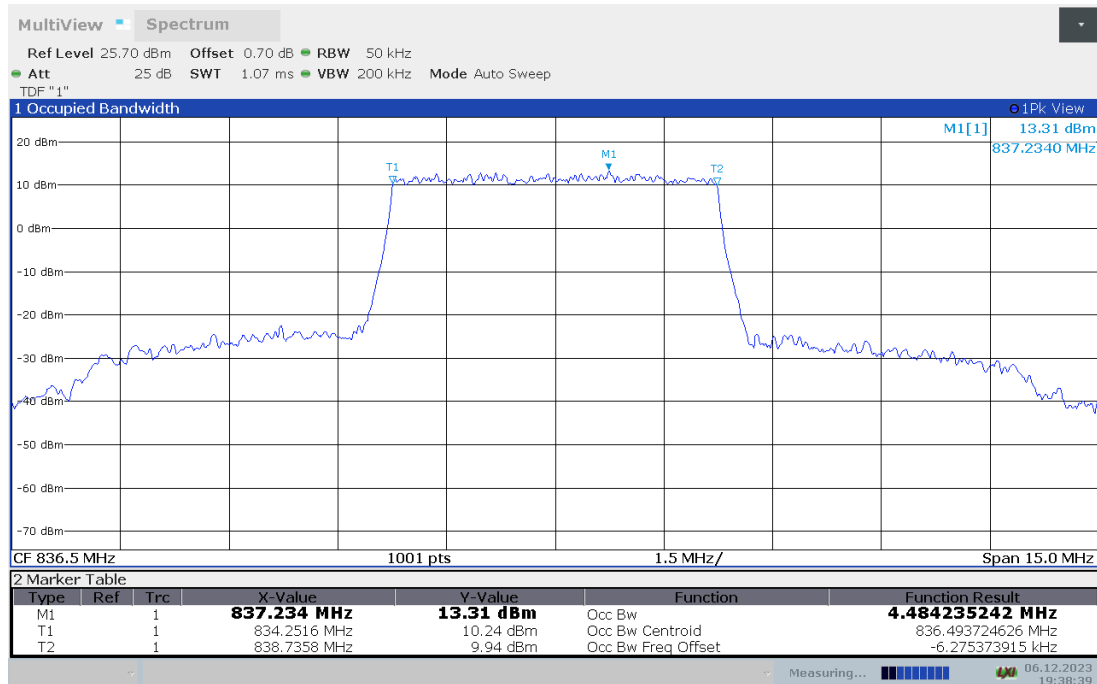
LTE band 5 , 3MHz Bandwidth, MID, 16QAM (99% BW)



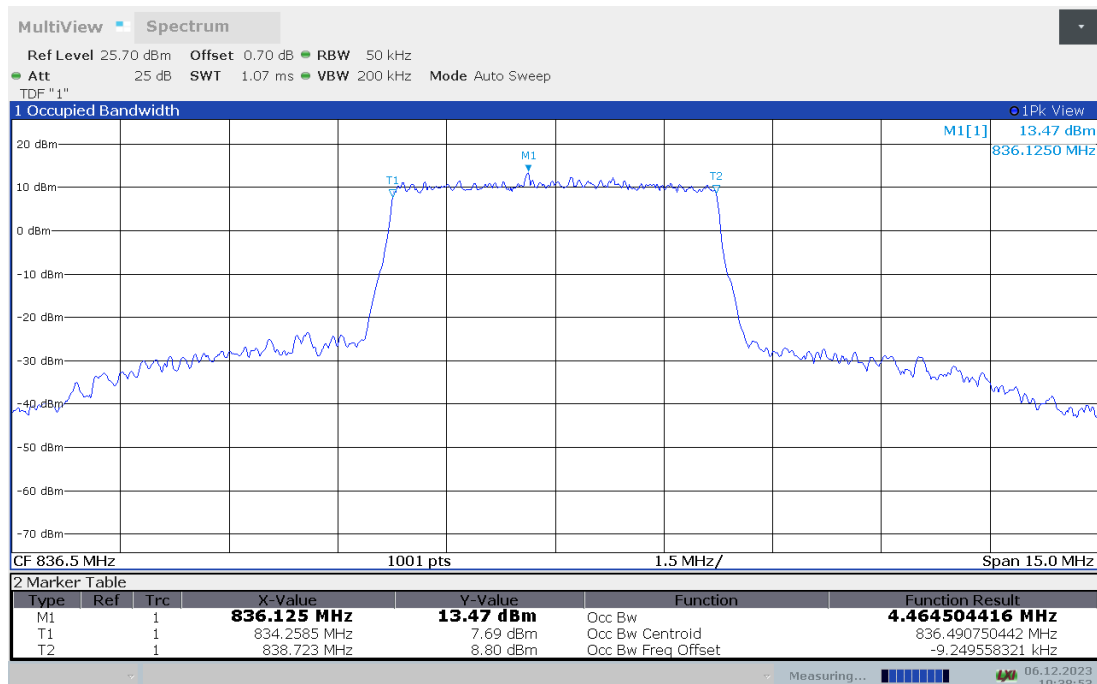
LTE band 5,5MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
836.5	4.484	4.465

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



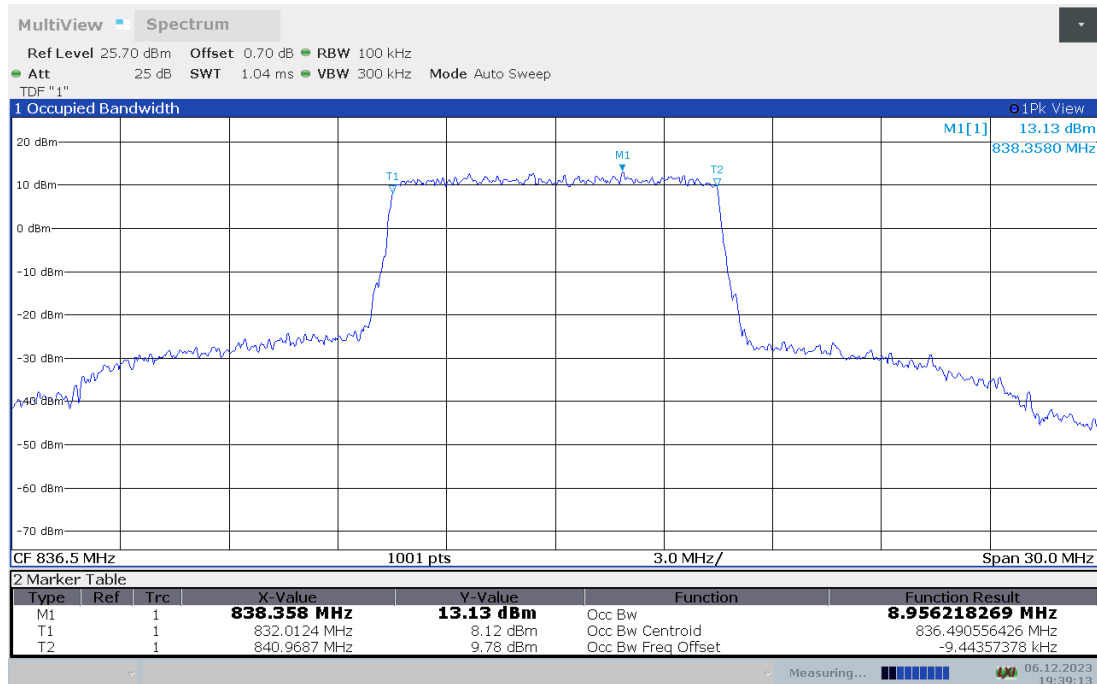
LTE band 5 , 5MHz Bandwidth, MID, 16QAM (99% BW)



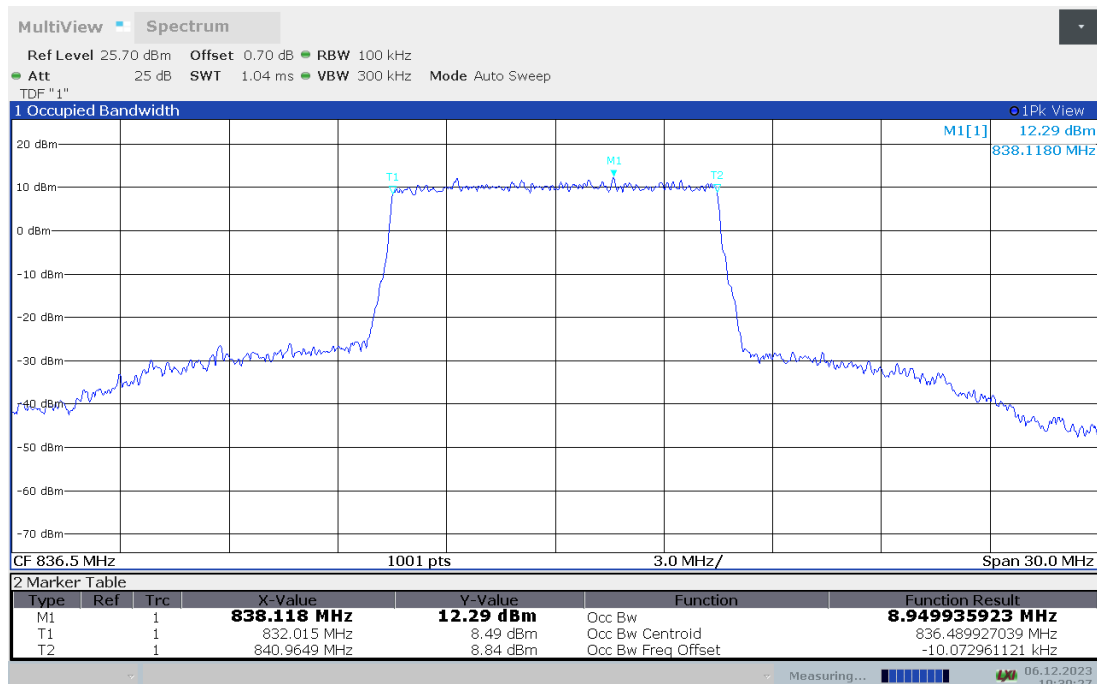
LTE band 5,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
836.5	8.956	8.950

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



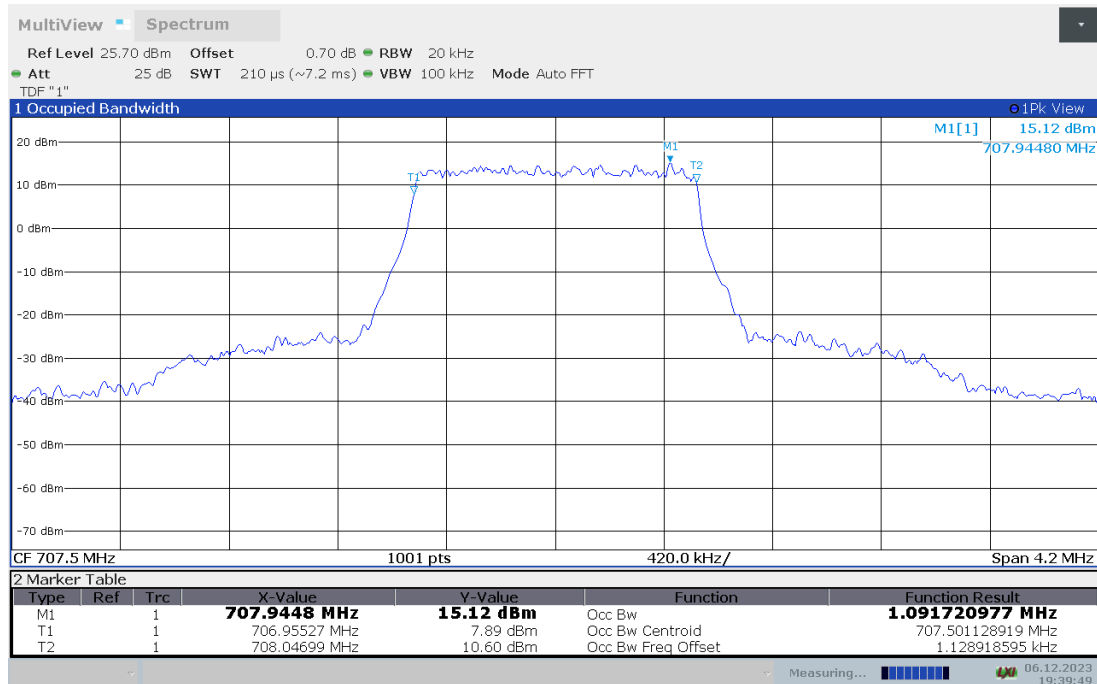
LTE band 5 , 10MHz Bandwidth, MID, 16QAM (99% BW)



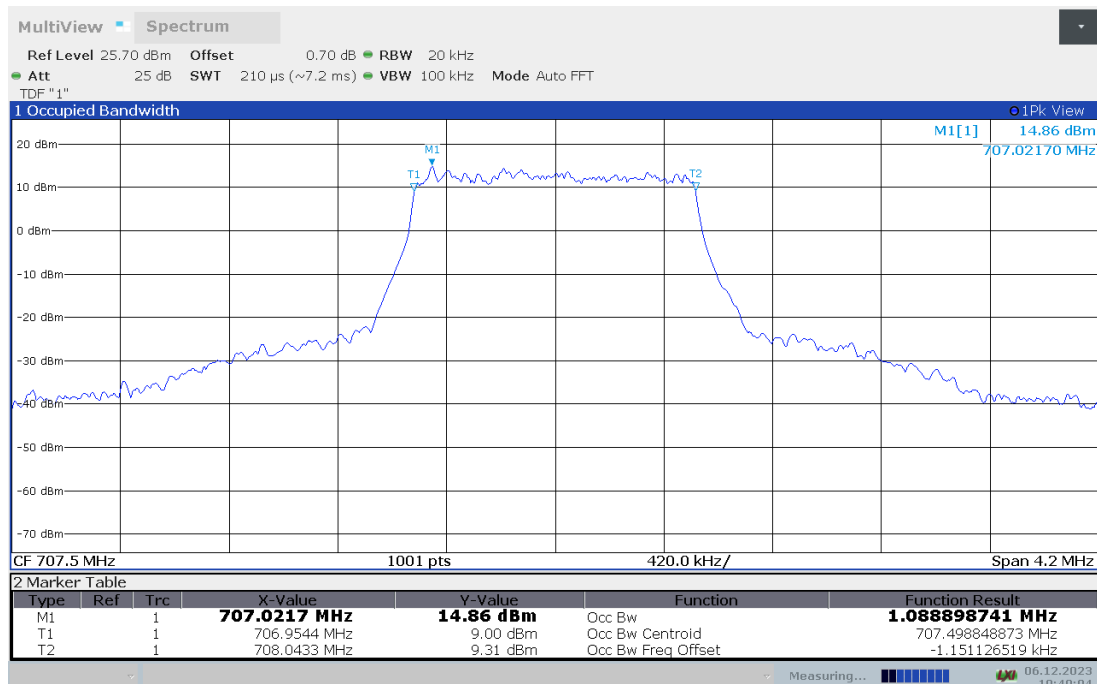
LTE band 12,1.4MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
707.5	1.092	1.089

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



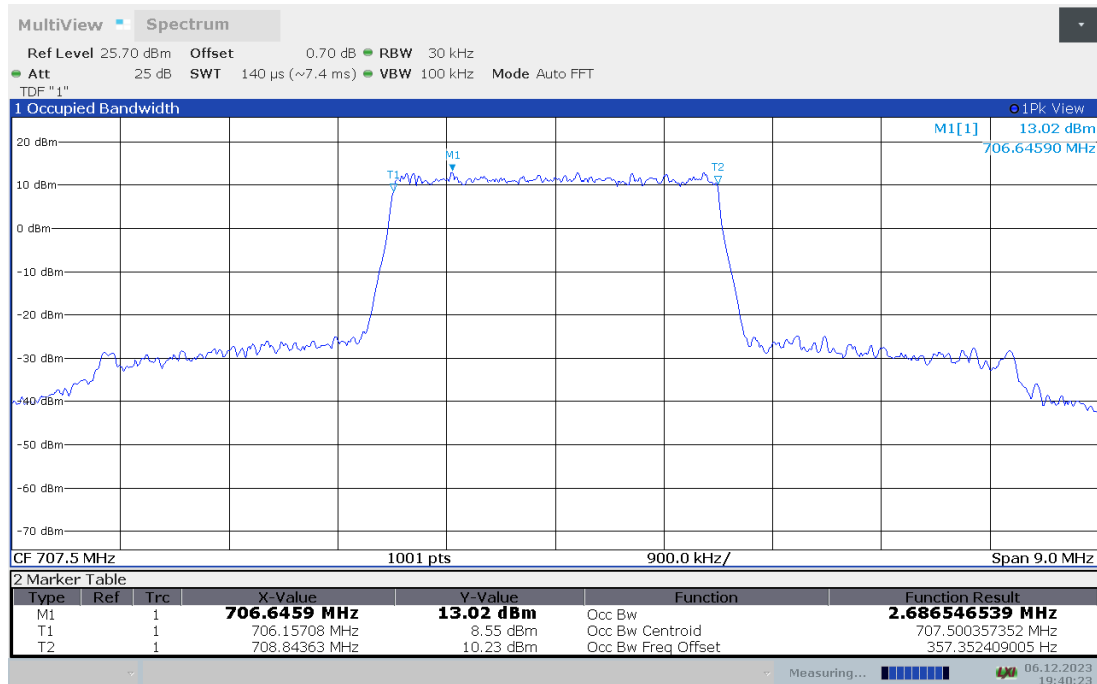
LTE band 12 , 1.4MHz Bandwidth, MID, 16QAM (99% BW)



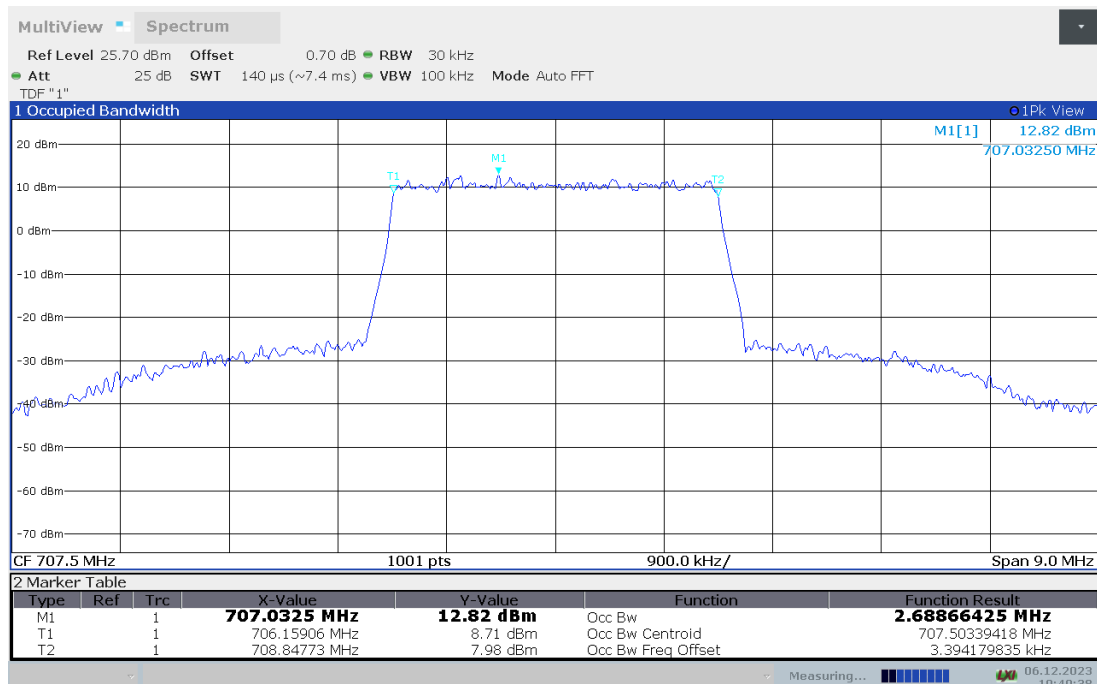
LTE band 12,3MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
707.5	2.687	2.689

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



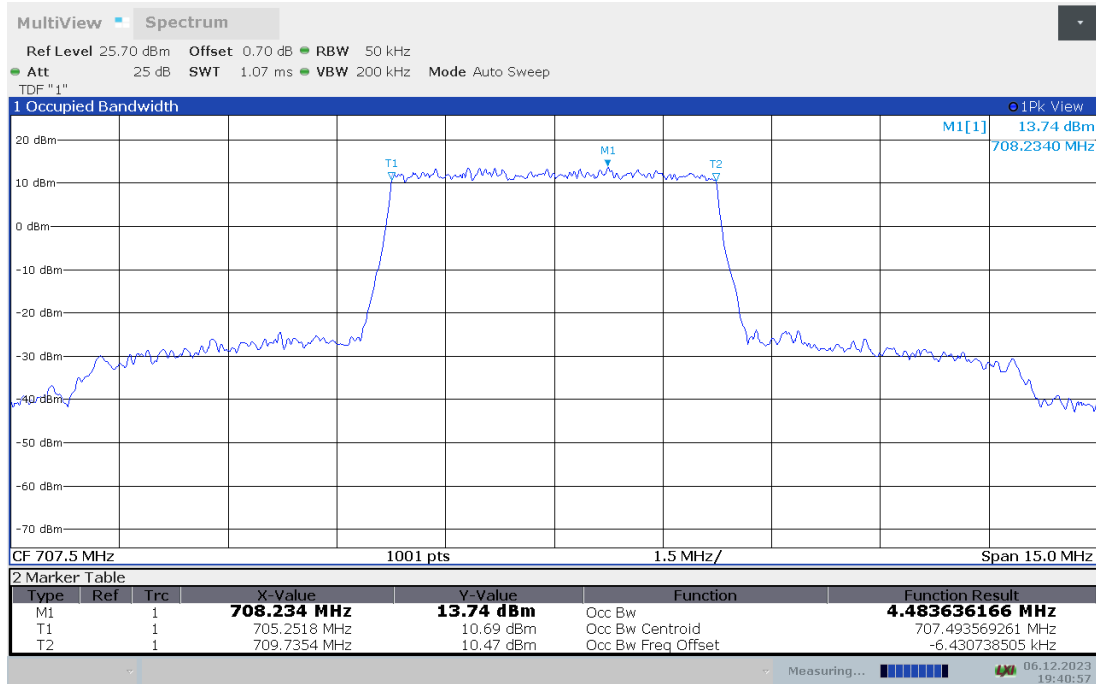
LTE band 12 , 3MHz Bandwidth, MID, 16QAM (99% BW)



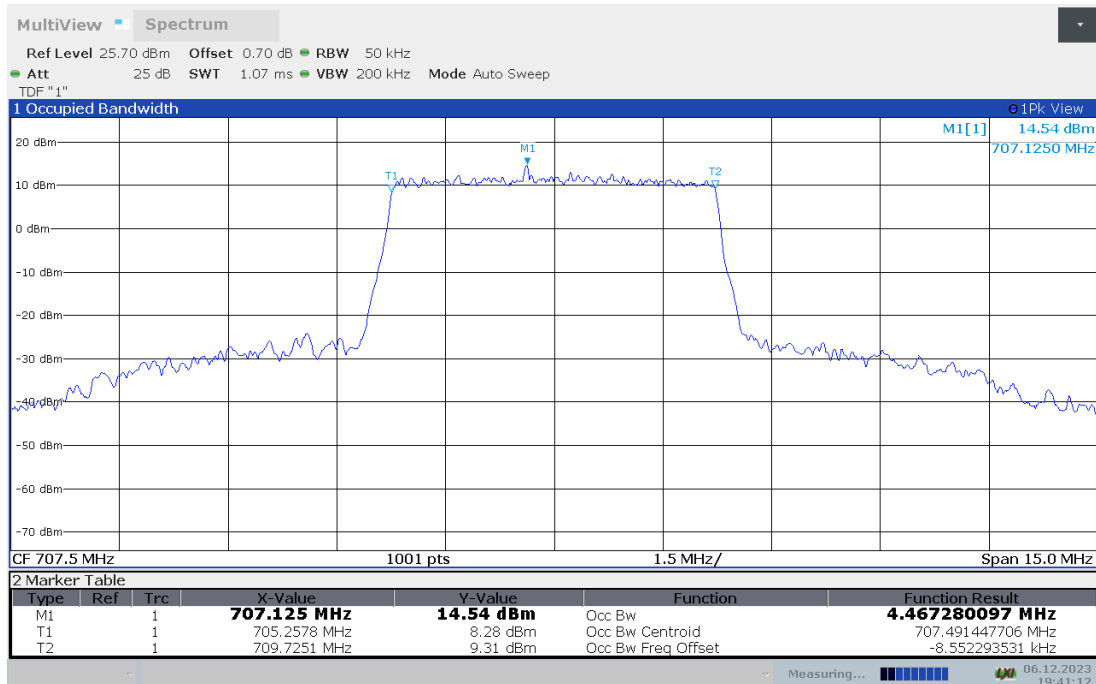
LTE band 12,5MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
707.5	4.484	4.467

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



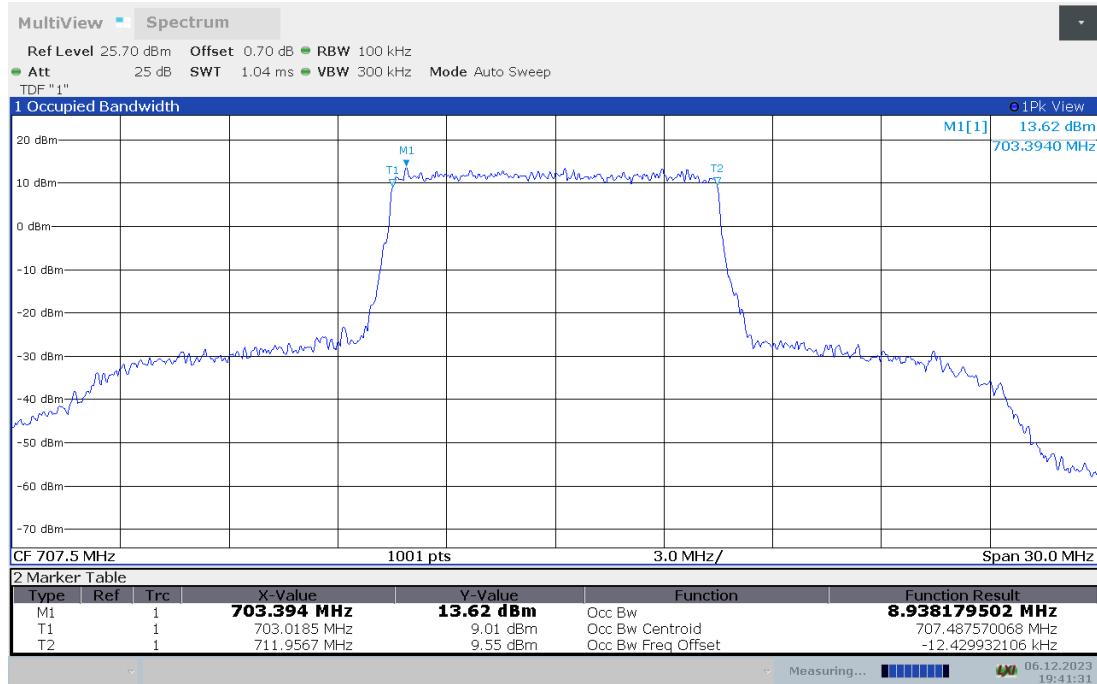
LTE band 12 , 5MHz Bandwidth, MID, 16QAM (99% BW)



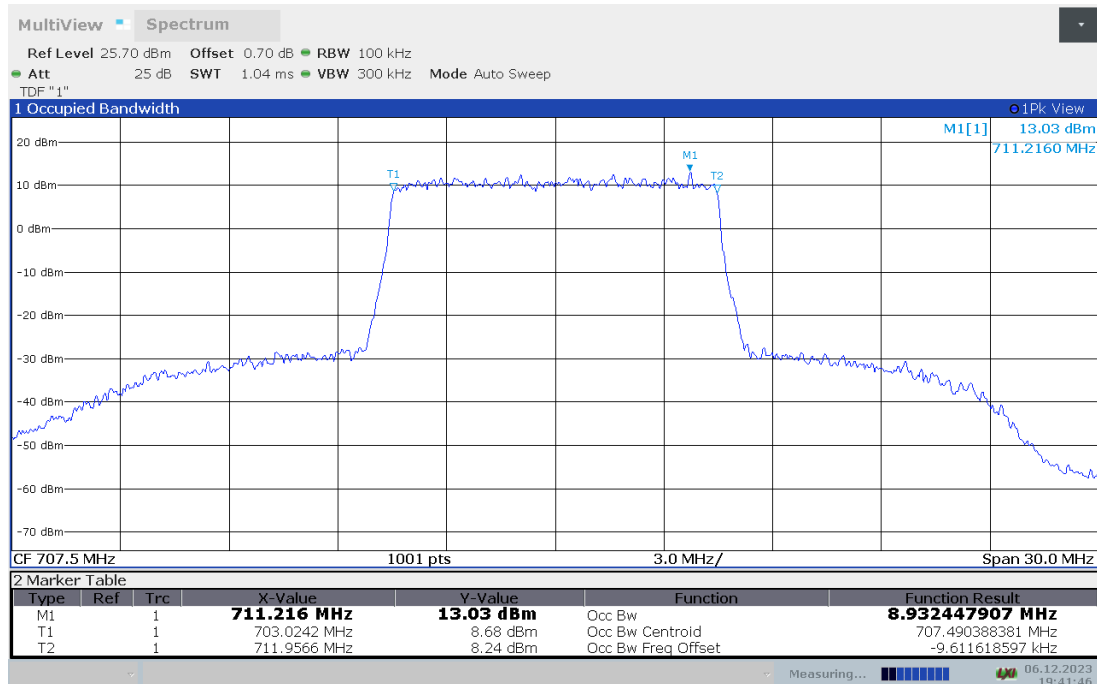
LTE band 12,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
707.5	8.938	8.932

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



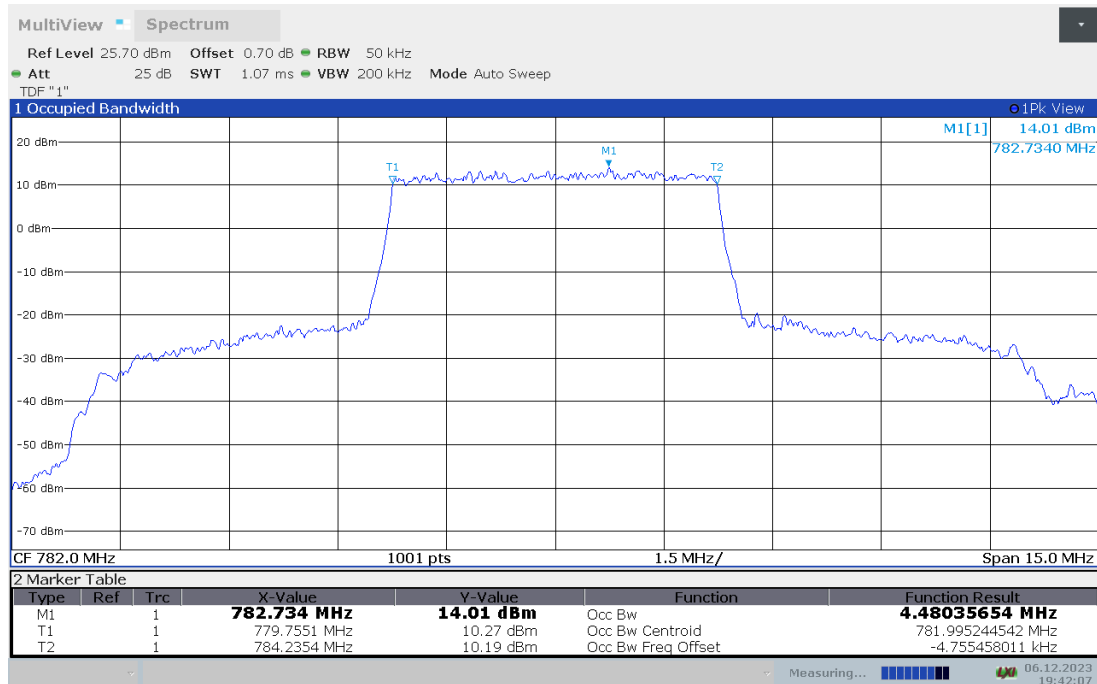
LTE band 12 , 10MHz Bandwidth, MID, 16QAM (99% BW)



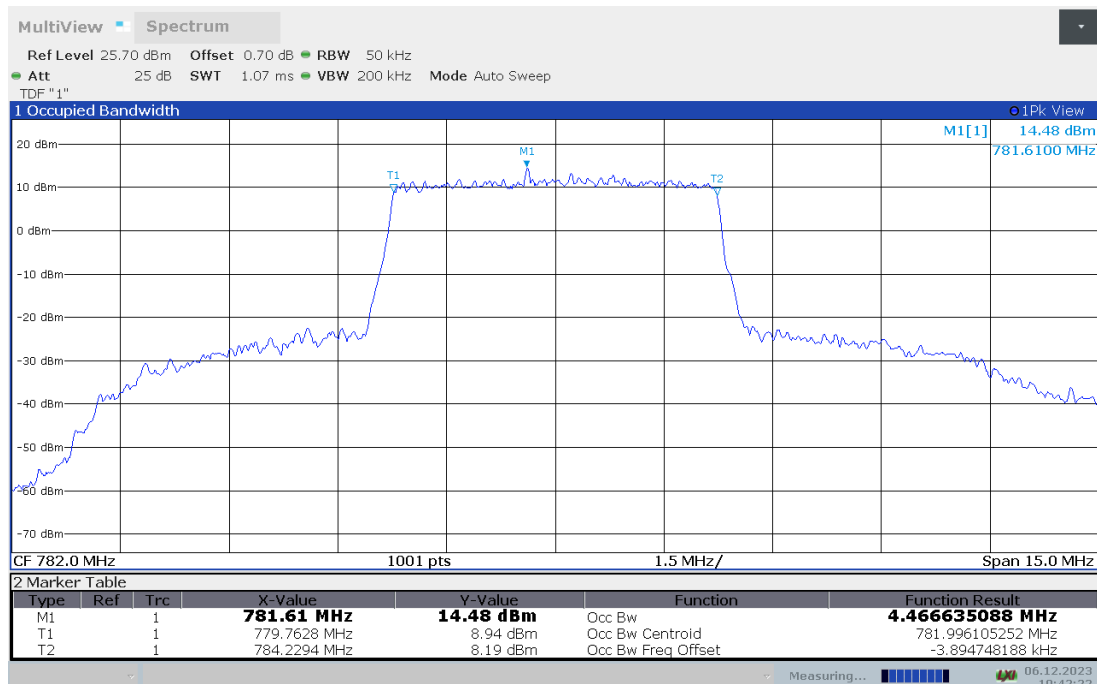
LTE band 13,5MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
782	4.480	4.467

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



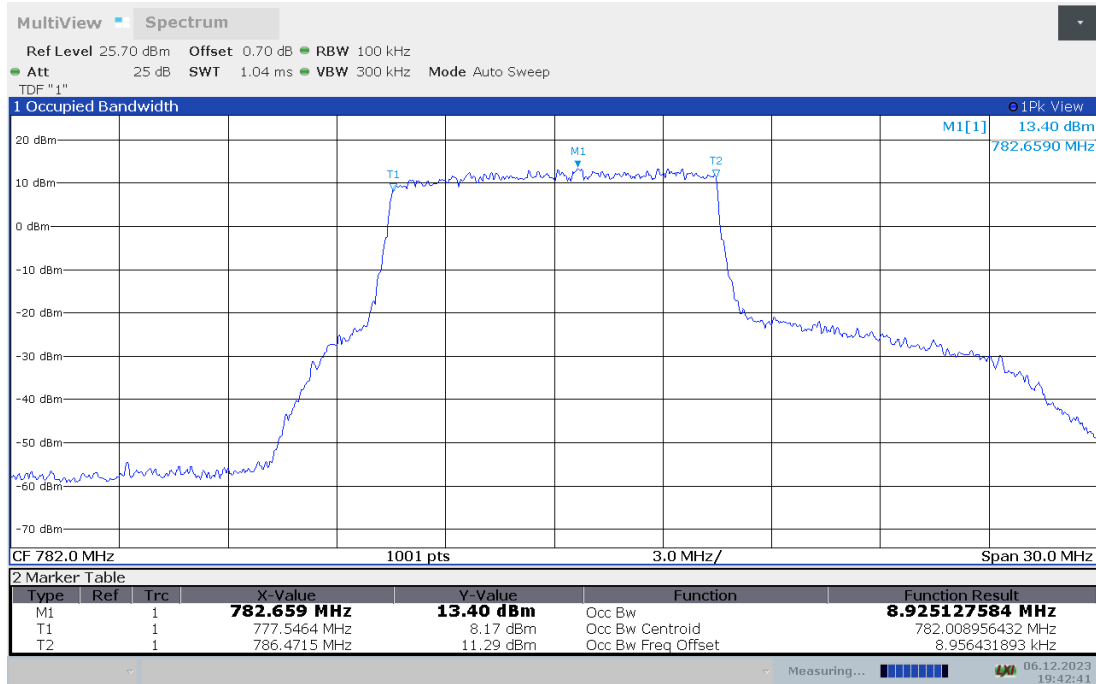
LTE band 13 , 5MHz Bandwidth, MID, 16QAM (99% BW)



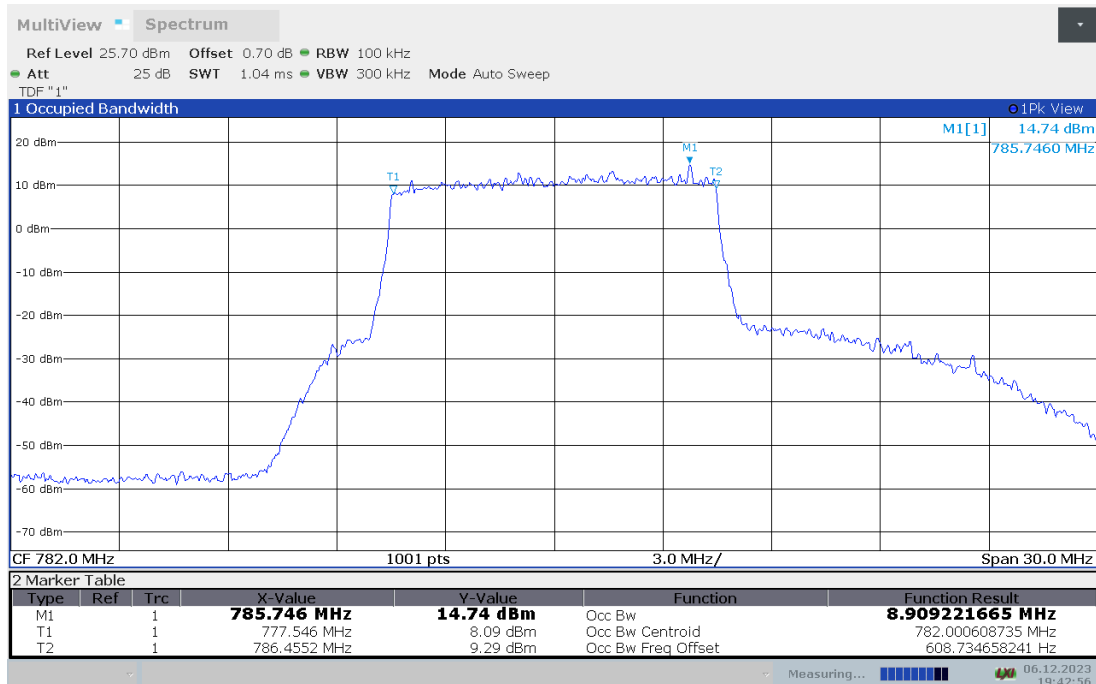
LTE band 13,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
782	8.925	8.909

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



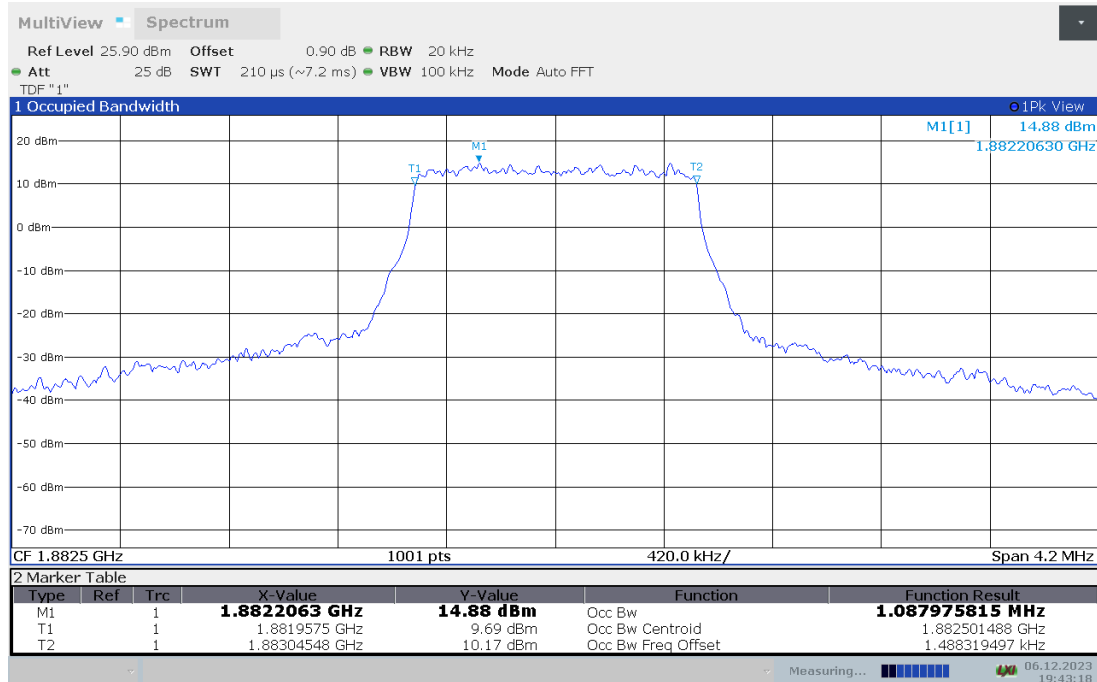
LTE band 13 , 10MHz Bandwidth, MID, 16QAM (99% BW)



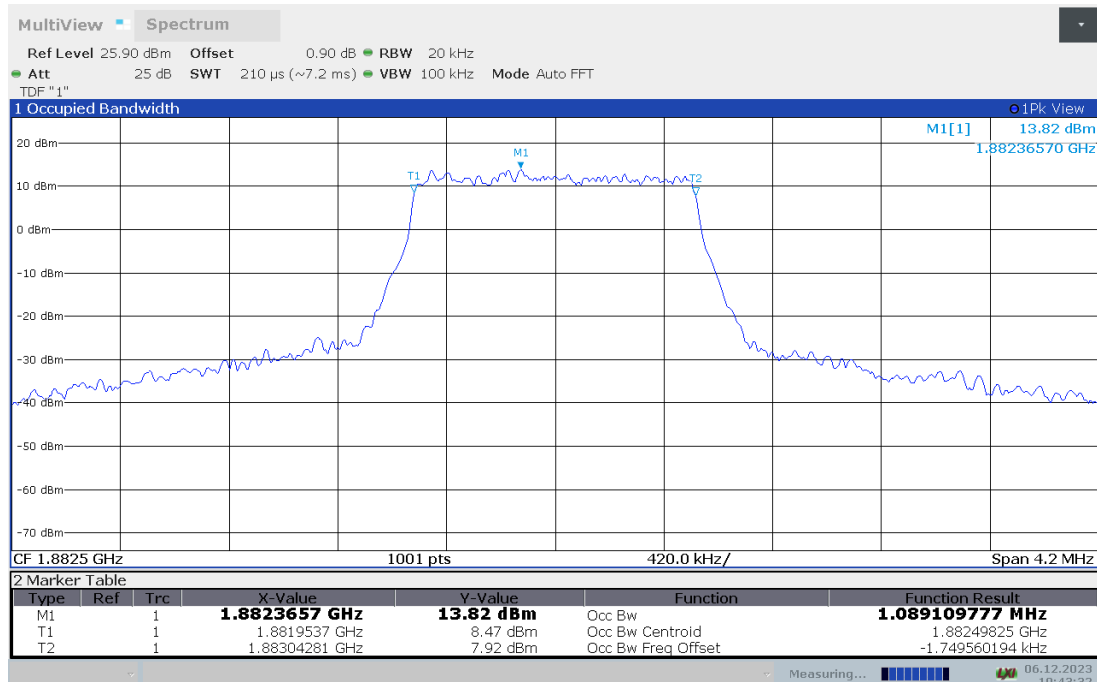
LTE band 25,1.4MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1882.5	1.088	1.089

LTE band 25 , 1.4MHz Bandwidth, MID, QPSK (99% BW)



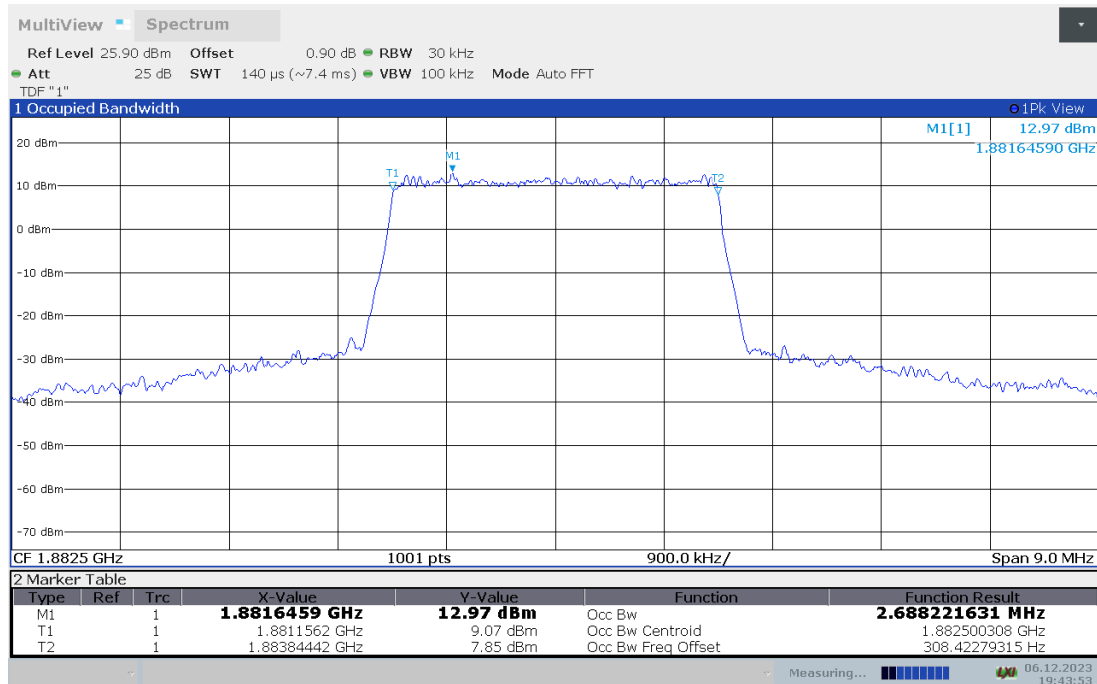
LTE band 25 , 1.4MHz Bandwidth, MID, 16QAM (99% BW)



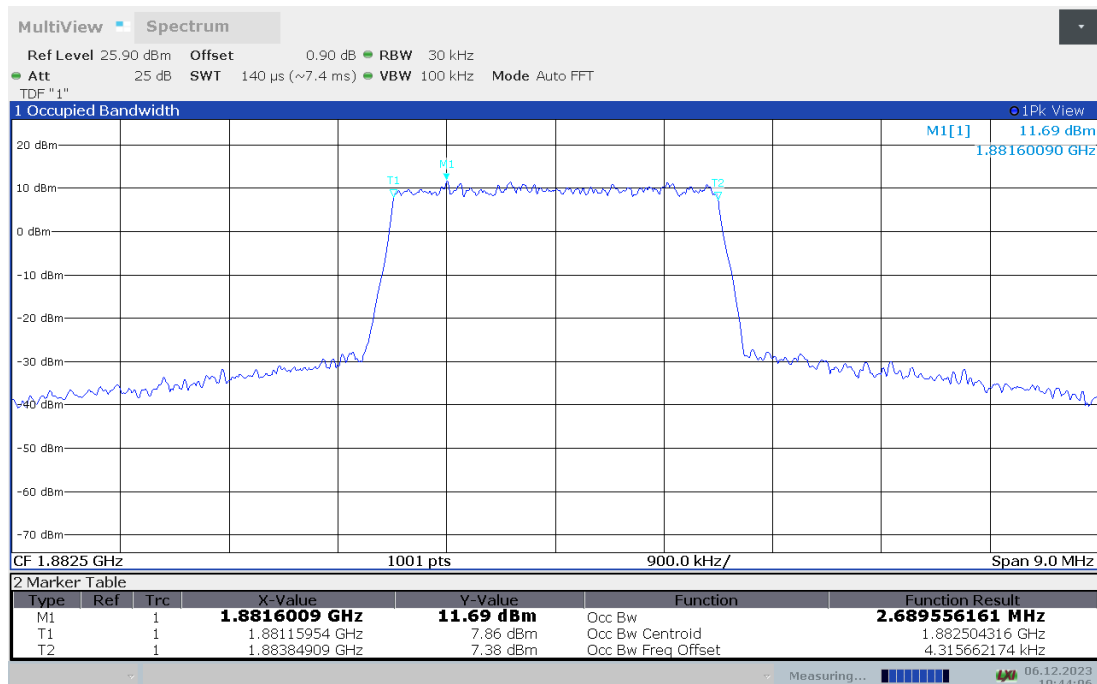
LTE band 25,3MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1882.5	2.688	2.690

LTE band 25 , 3MHz Bandwidth, MID, QPSK (99% BW)



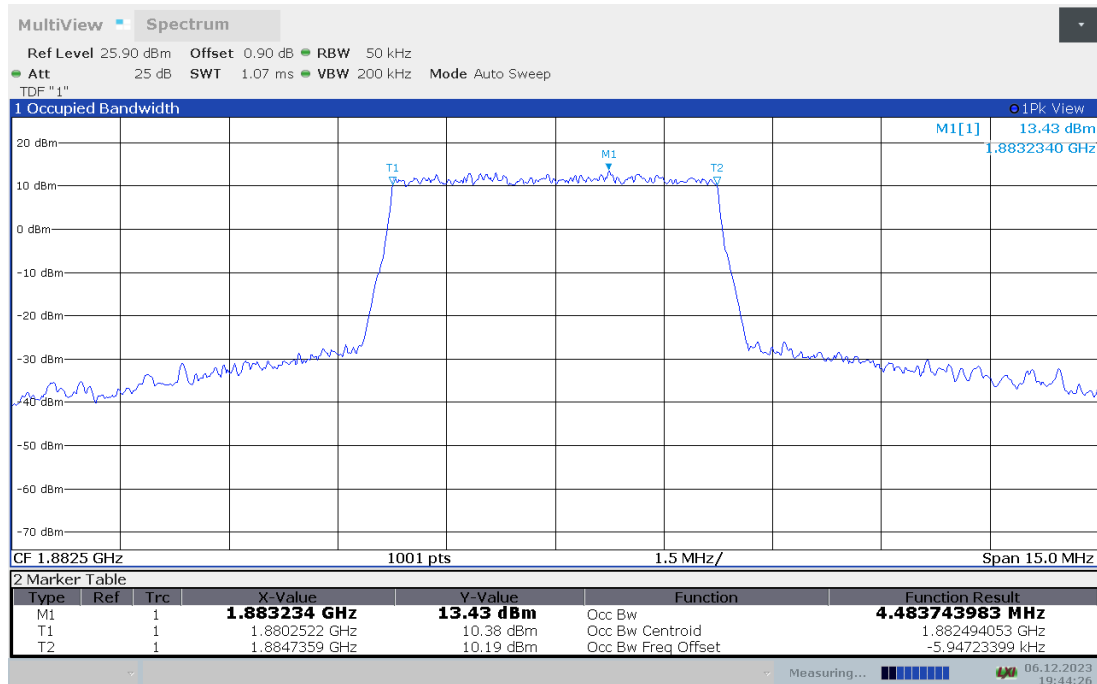
LTE band 25 , 3MHz Bandwidth, MID, 16QAM (99% BW)



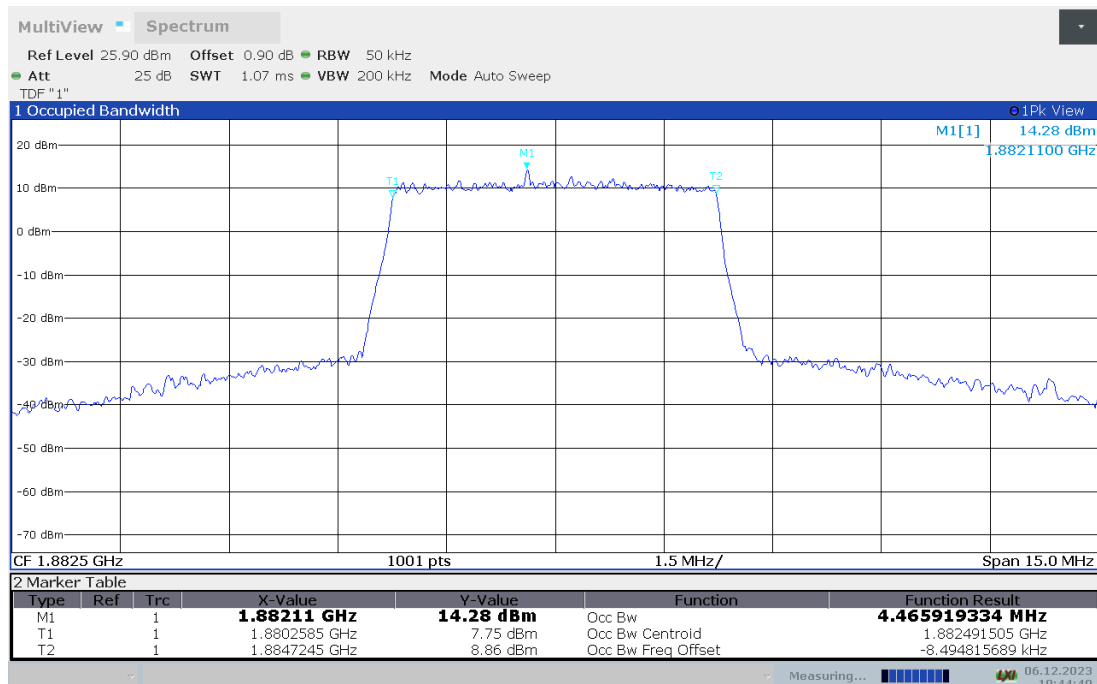
LTE band 25,5MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1882.5	4.484	4.466

LTE band 25 , 5MHz Bandwidth, MID, QPSK (99% BW)



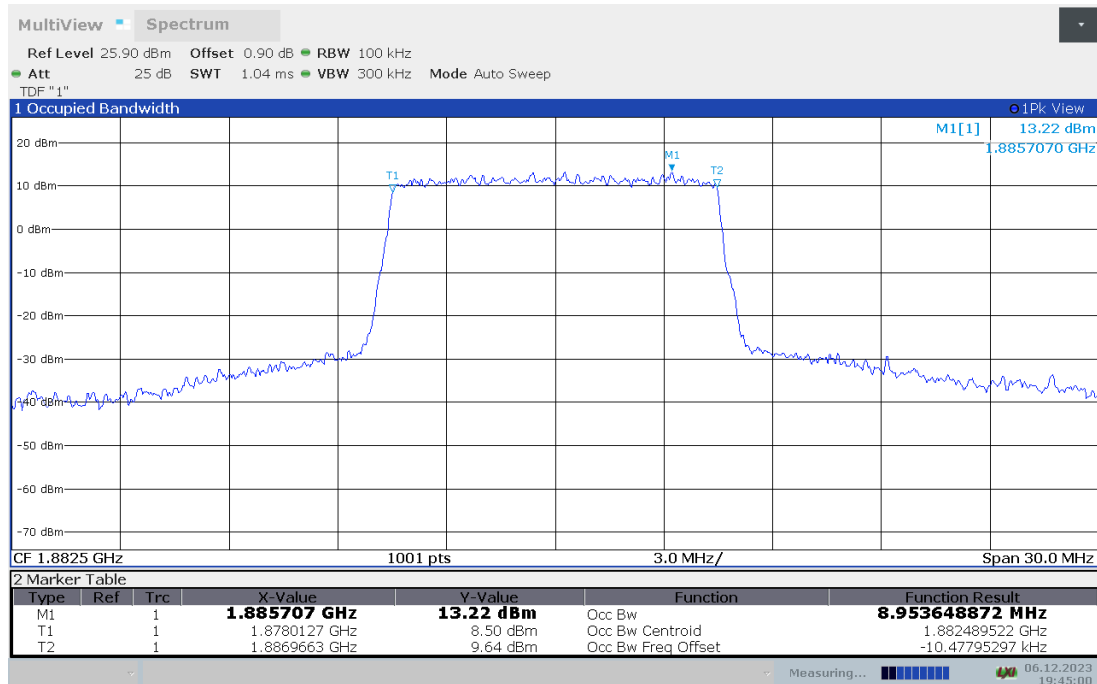
LTE band 25 , 5MHz Bandwidth, MID, 16QAM (99% BW)



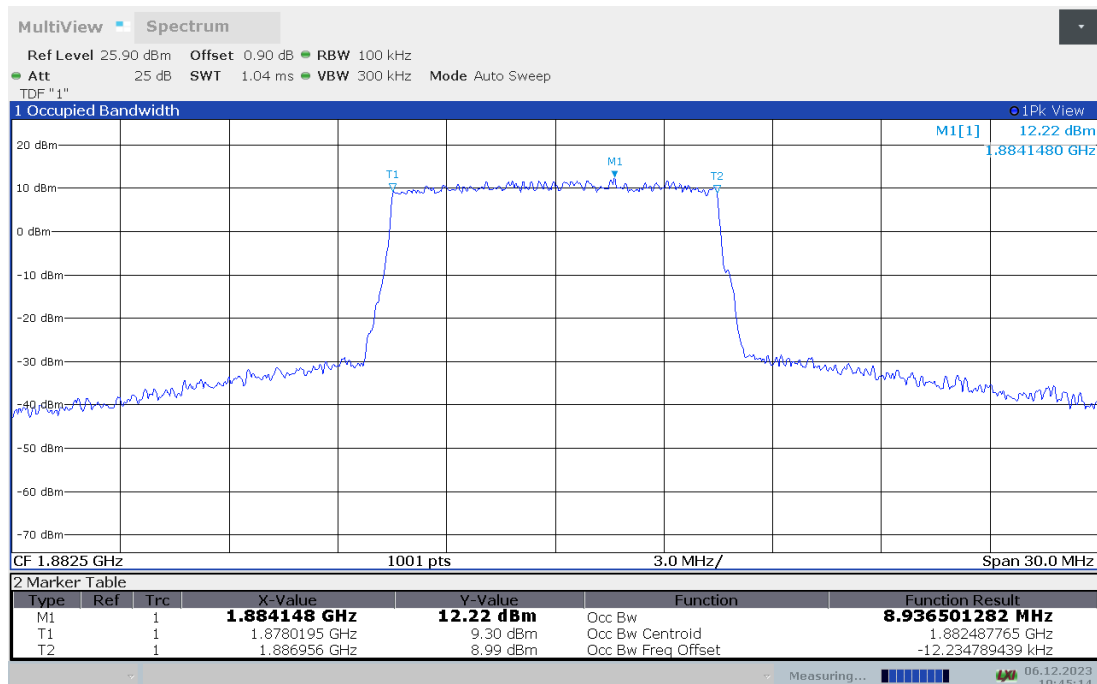
LTE band 25,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1882.5	8.954	8.937

LTE band 25 , 10MHz Bandwidth, MID, QPSK (99% BW)



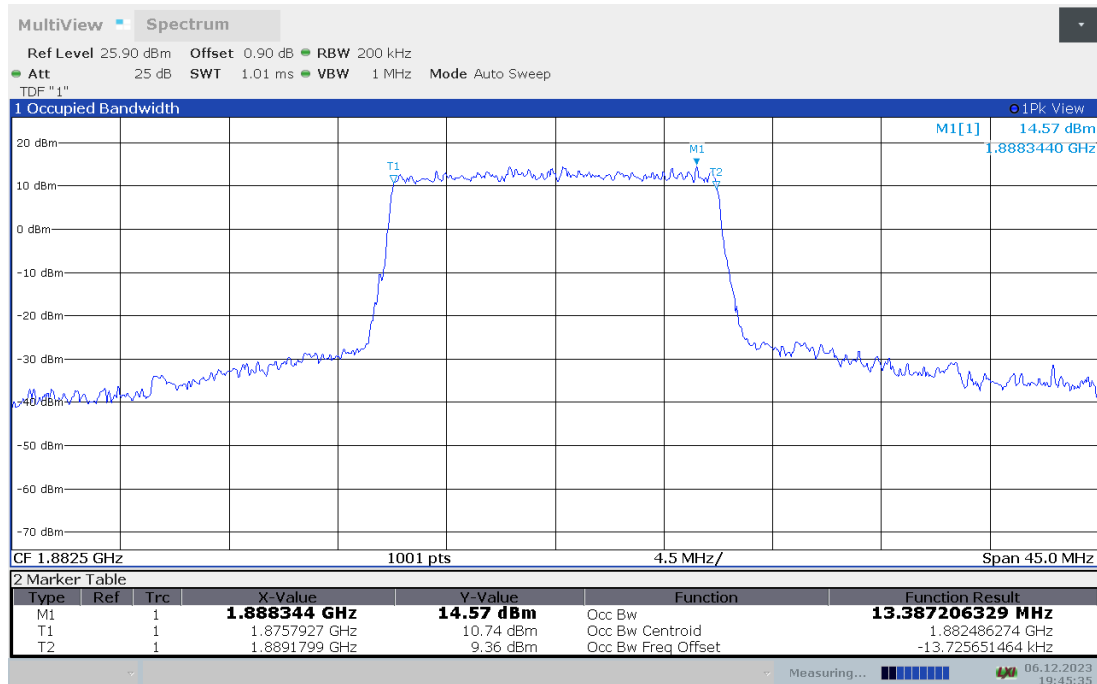
LTE band 25 , 10MHz Bandwidth, MID, 16QAM (99% BW)



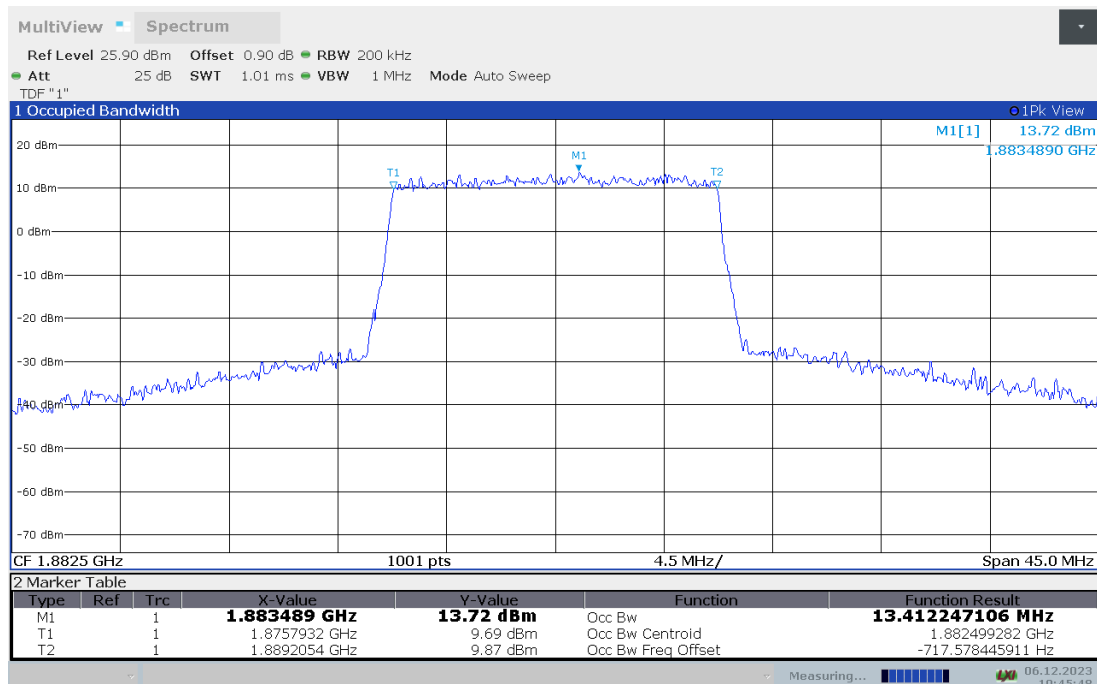
LTE band 25,15MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1882.5	13.387	13.412

LTE band 25 , 15MHz Bandwidth, MID, QPSK (99% BW)



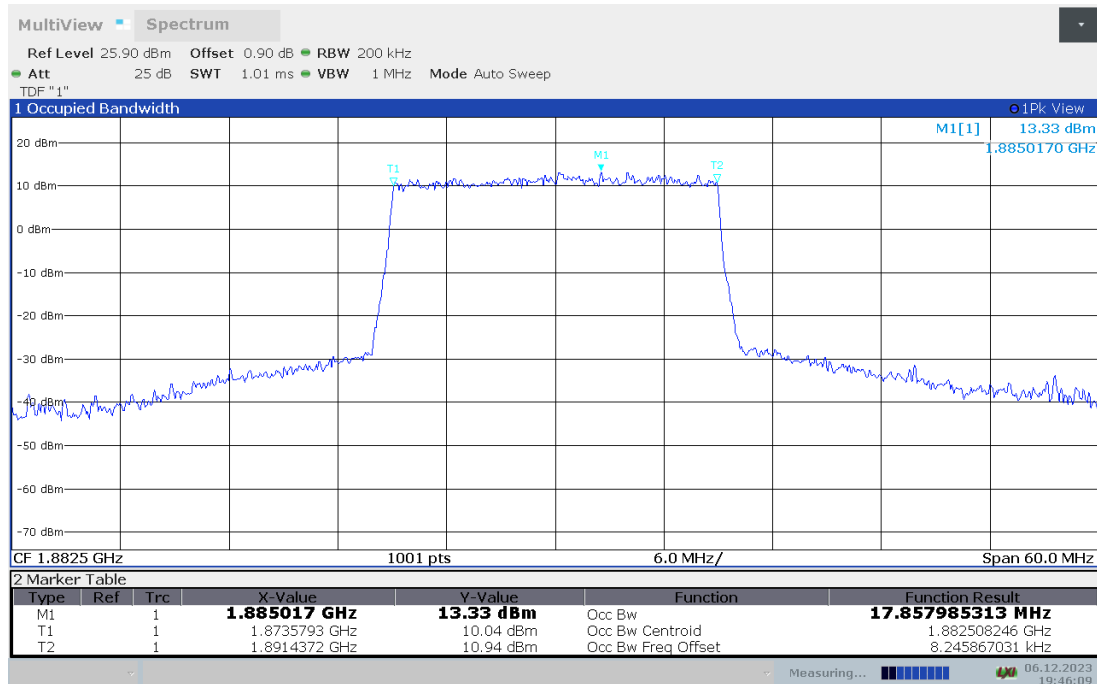
LTE band 25 , 15MHz Bandwidth, MID, 16QAM (99% BW)



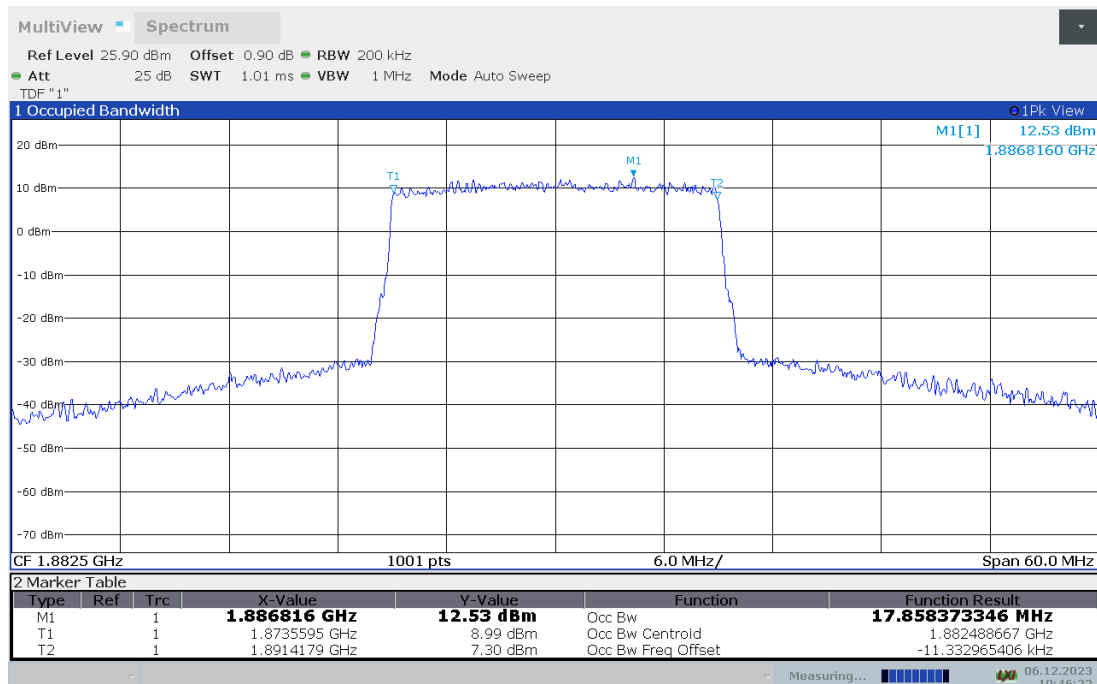
LTE band 25,20MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1882.5	17.858	17.858

LTE band 25 , 20MHz Bandwidth, MID, QPSK (99% BW)



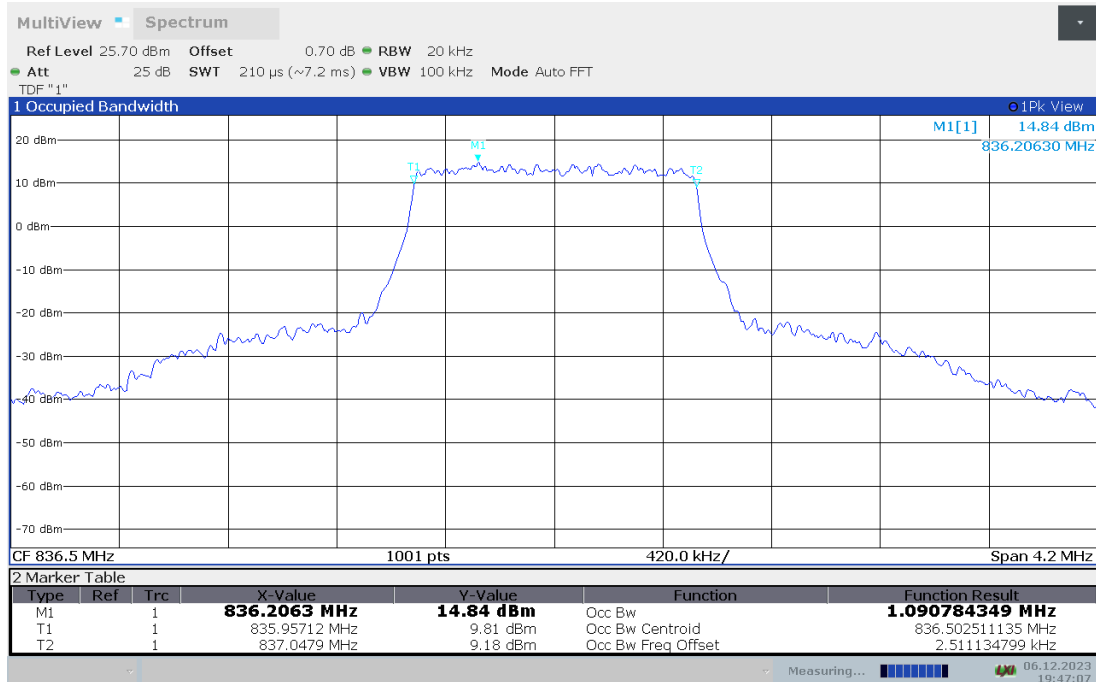
LTE band 25 , 20MHz Bandwidth, MID, 16QAM (99% BW)



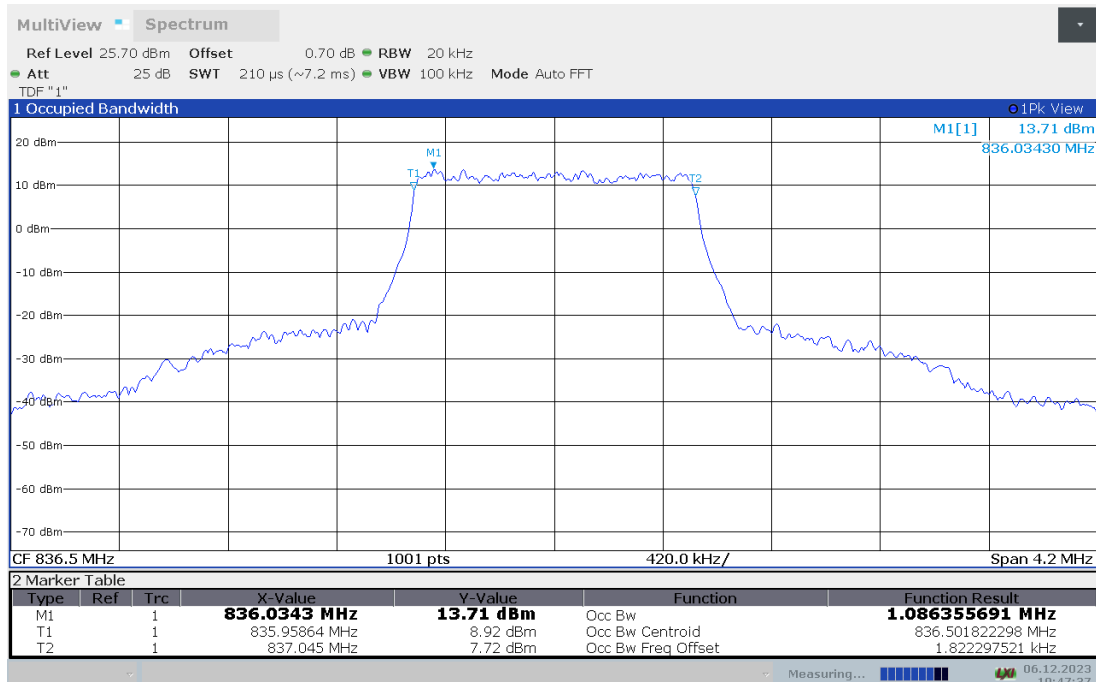
LTE band 26(824MHz-849MHz), 1.4MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
836.5	1.091	1.086

LTE band 26 , 1.4MHz Bandwidth, MID, QPSK (99% BW)



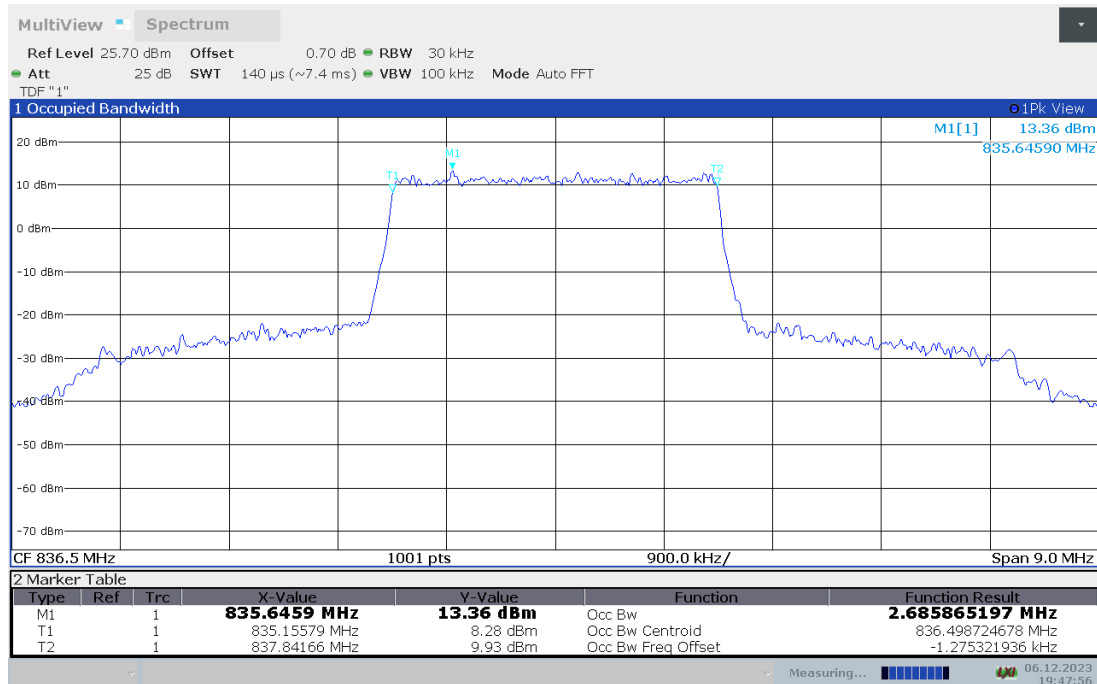
LTE band 26 , 1.4MHz Bandwidth, MID, 16QAM (99% BW)



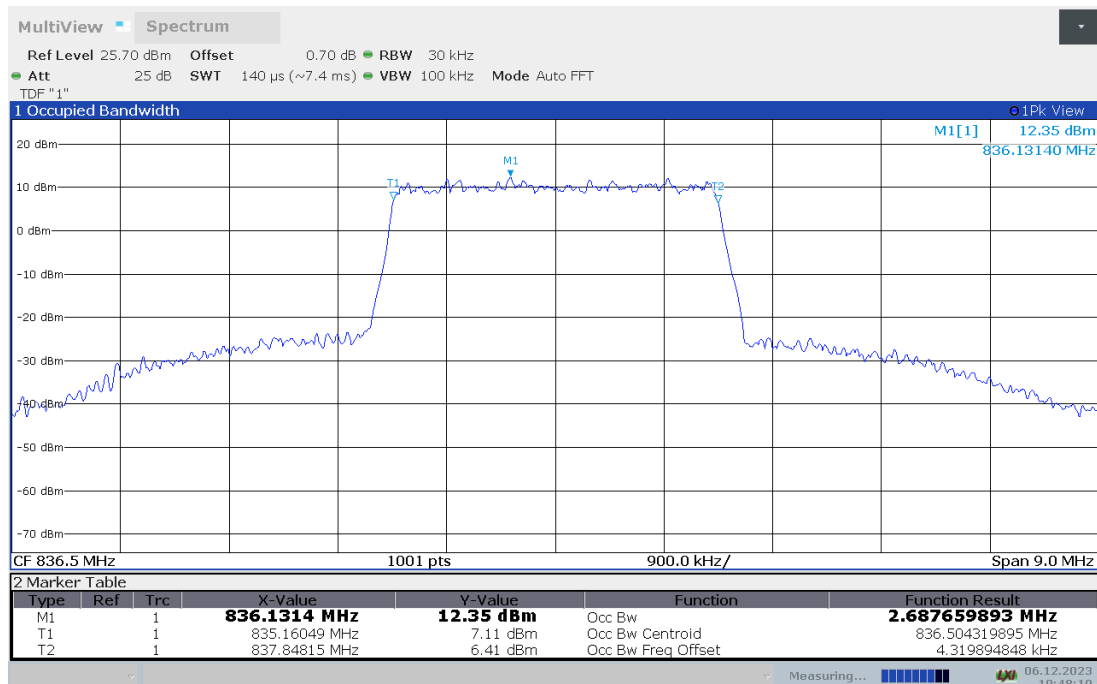
LTE band 26(824MHz-849MHz), 3MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
836.5	2.686	2.688

LTE band 26 , 3MHz Bandwidth, MID, QPSK (99% BW)



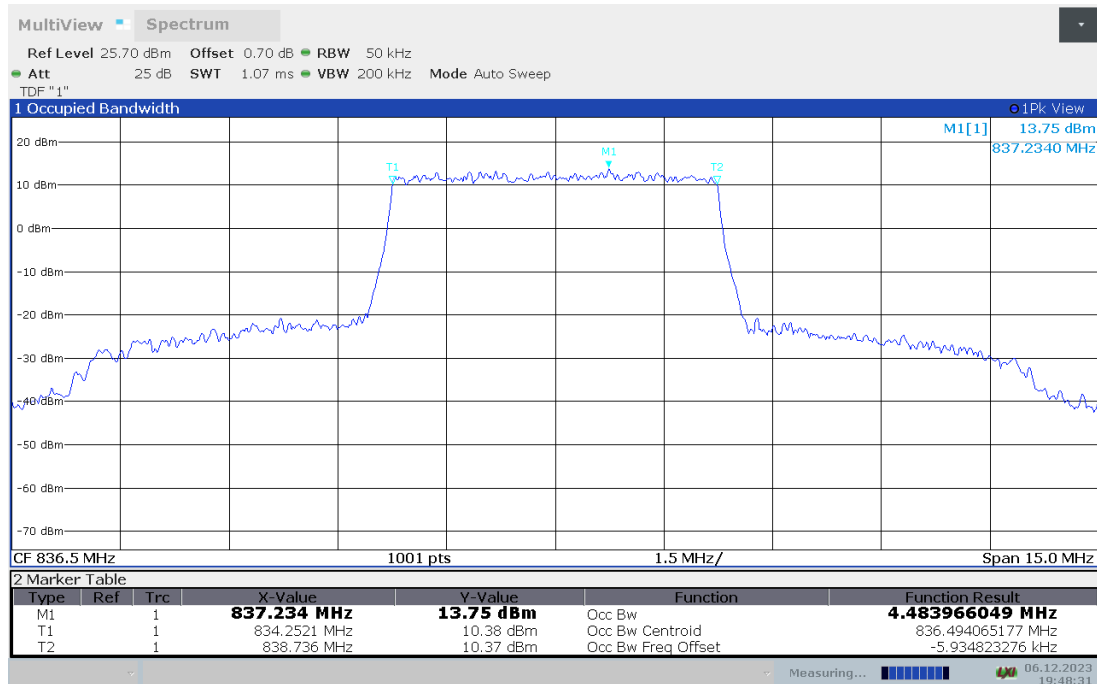
LTE band 26 , 3MHz Bandwidth, MID, 16QAM (99% BW)



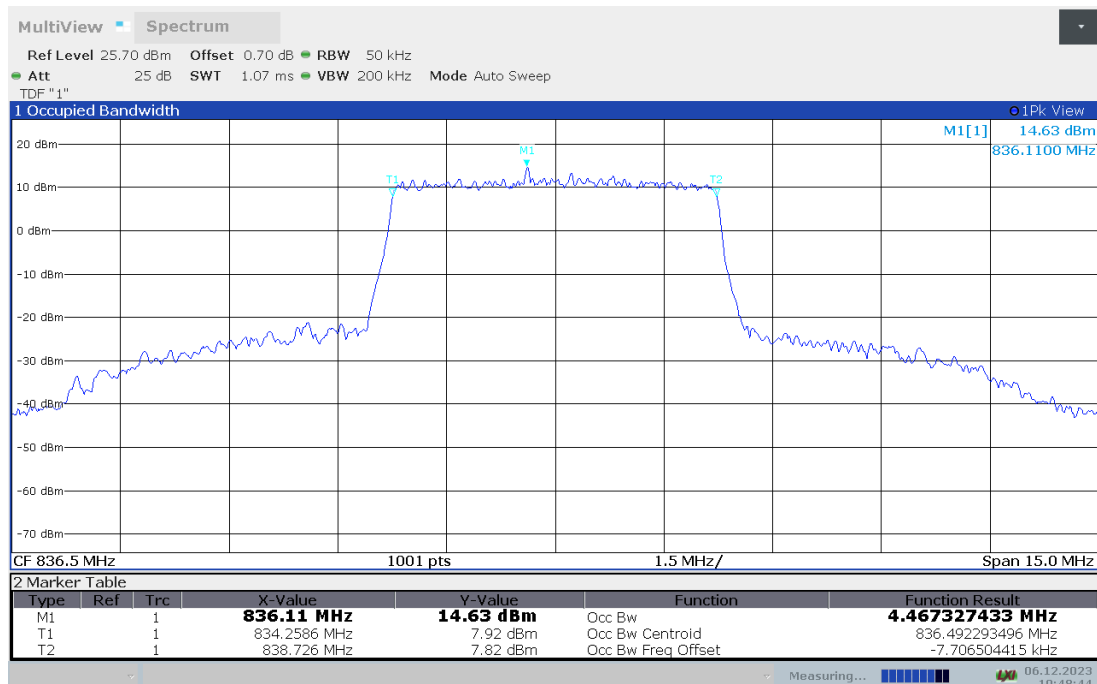
LTE band 26(824MHz-849MHz), 5MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
836.5	4.484	4.467

LTE band 26 , 5MHz Bandwidth, MID, QPSK (99% BW)



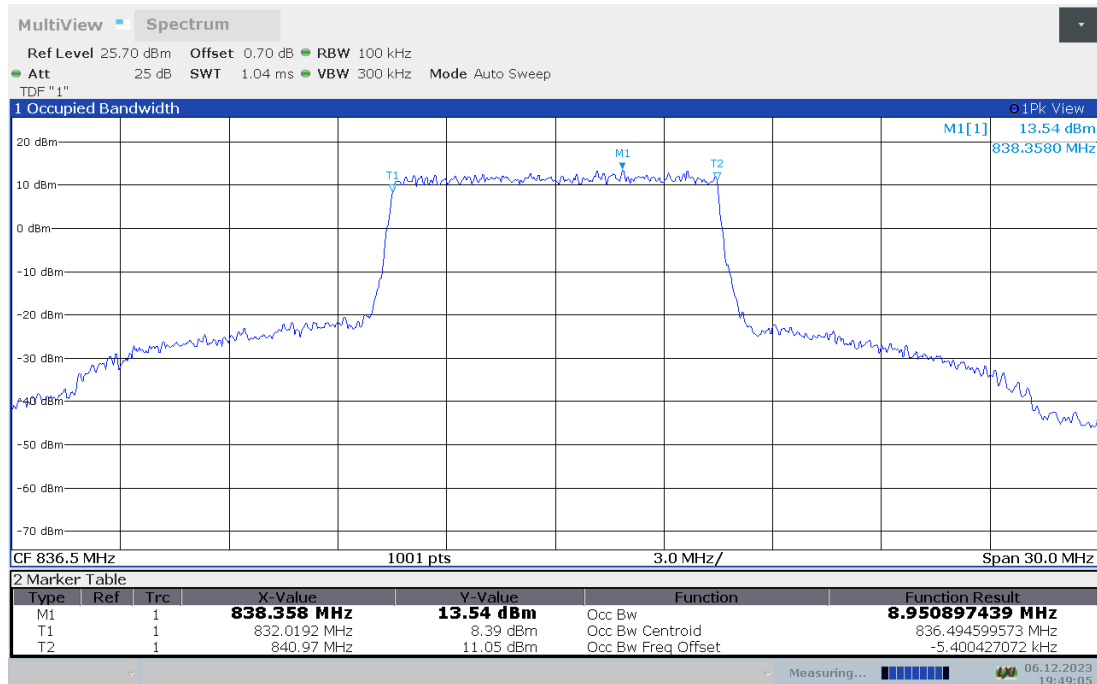
LTE band 26 , 5MHz Bandwidth, MID, 16QAM (99% BW)



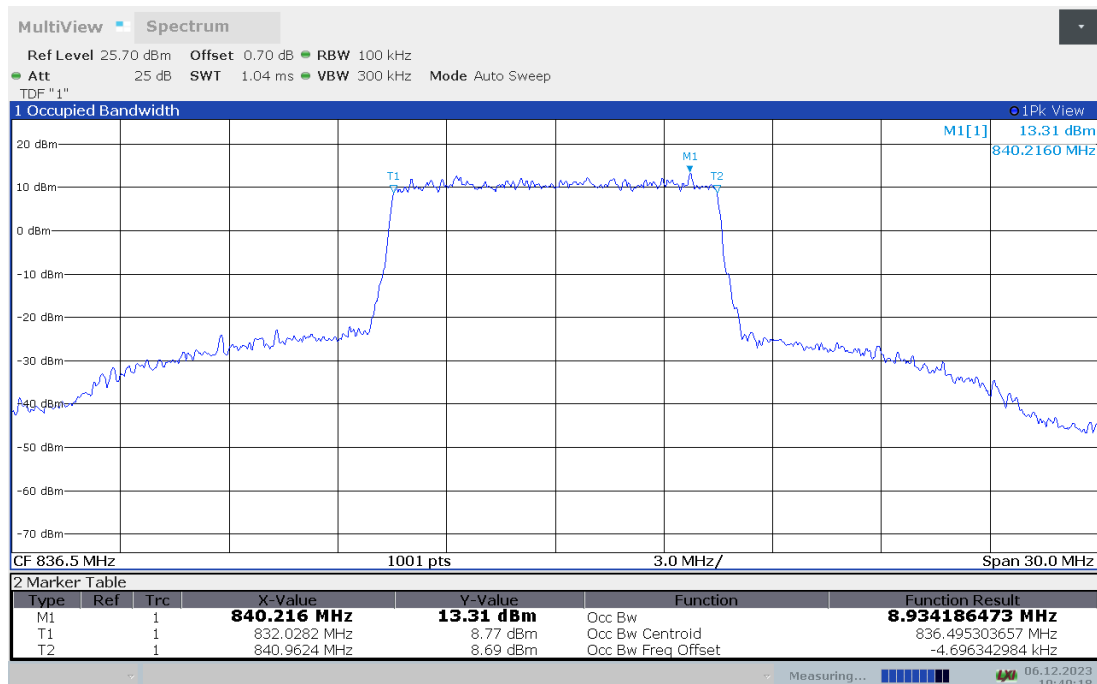
LTE band 26(824MHz-849MHz), 10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
836.5	8.951	8.934

LTE band 26 , 10MHz Bandwidth, MID, QPSK (99% BW)



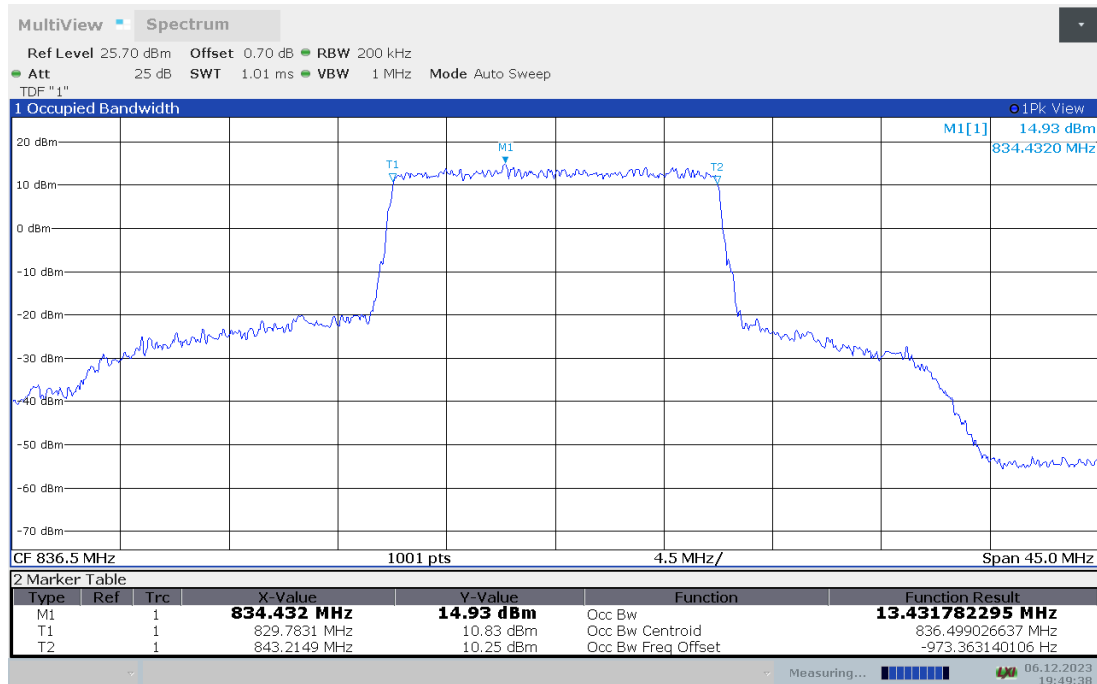
LTE band 26 , 10MHz Bandwidth, MID, 16QAM (99% BW)



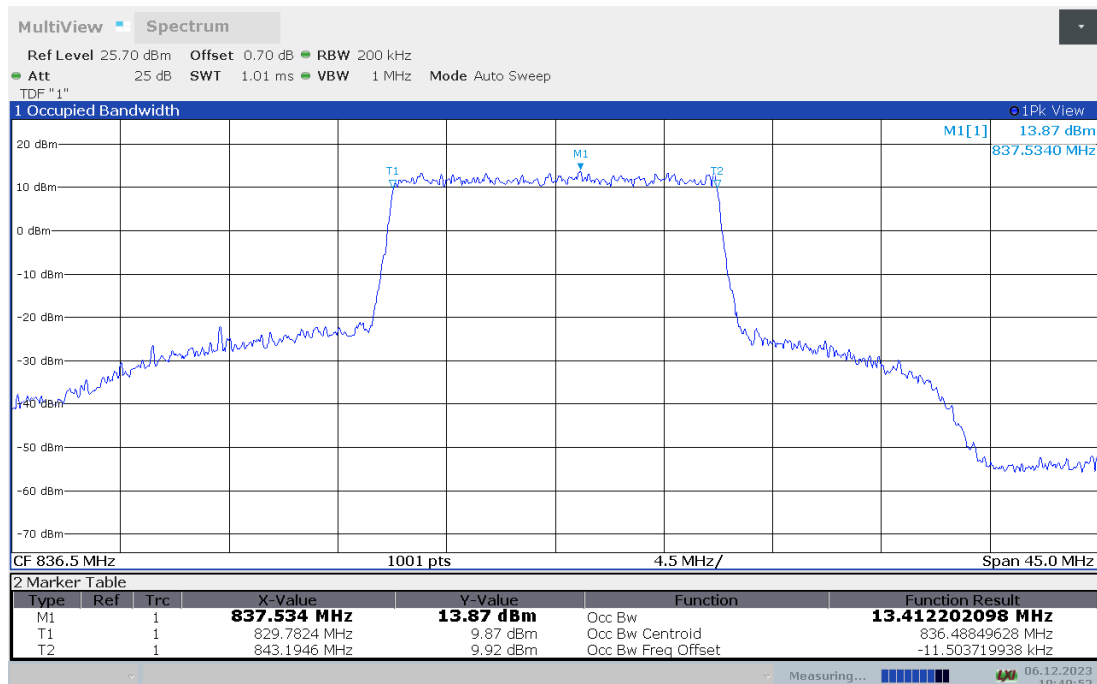
LTE band 26(824MHz-849MHz), 15MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
836.5	13.432	13.412

LTE band 26 , 15MHz Bandwidth, MID, QPSK (99% BW)



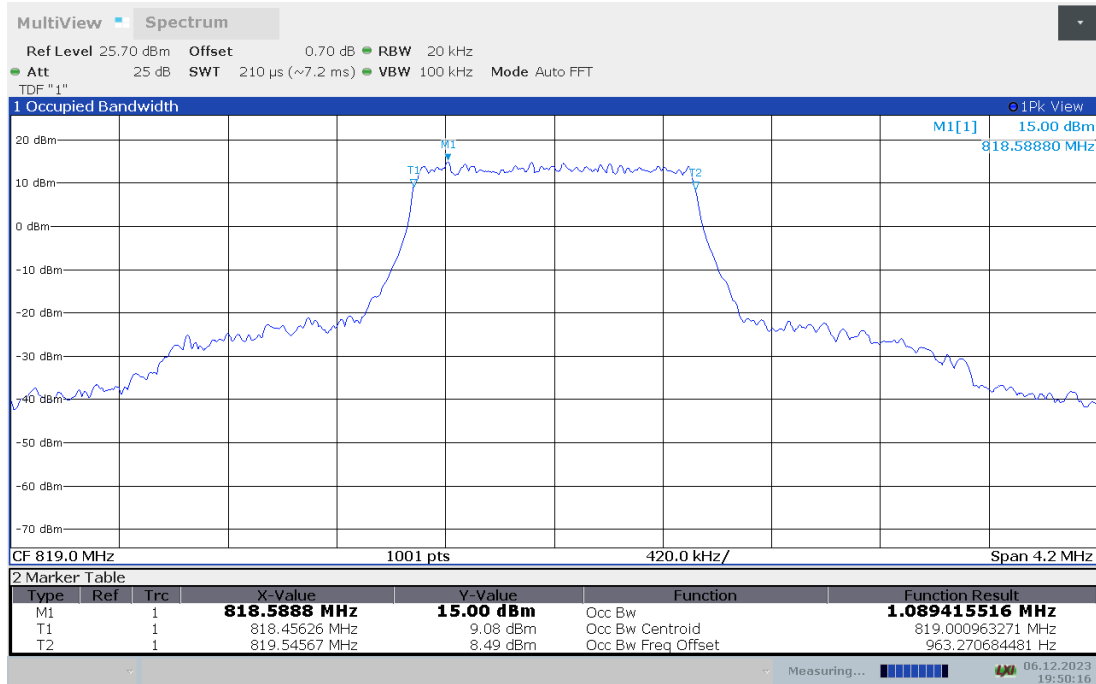
LTE band 26 , 15MHz Bandwidth, MID, 16QAM (99% BW)



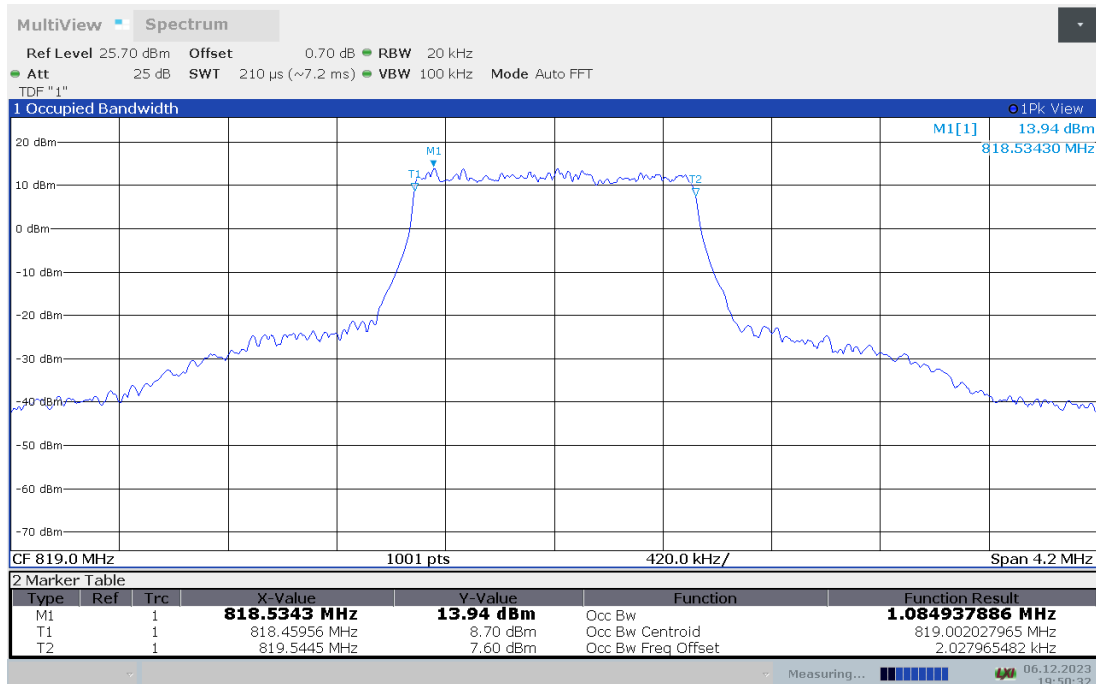
LTE band 26(814MHz-824MHz), 1.4MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
819	1.089	1.085

LTE band 26 , 1.4MHz Bandwidth, MID, QPSK (99% BW)



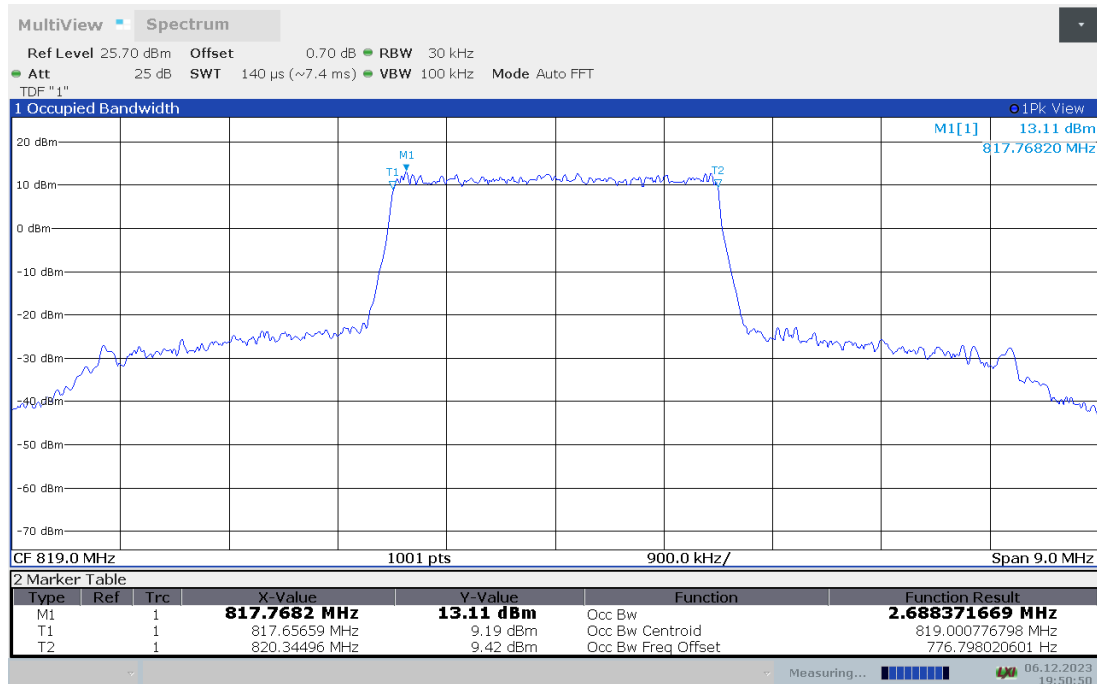
LTE band 26 , 1.4MHz Bandwidth, MID, 16QAM (99% BW)



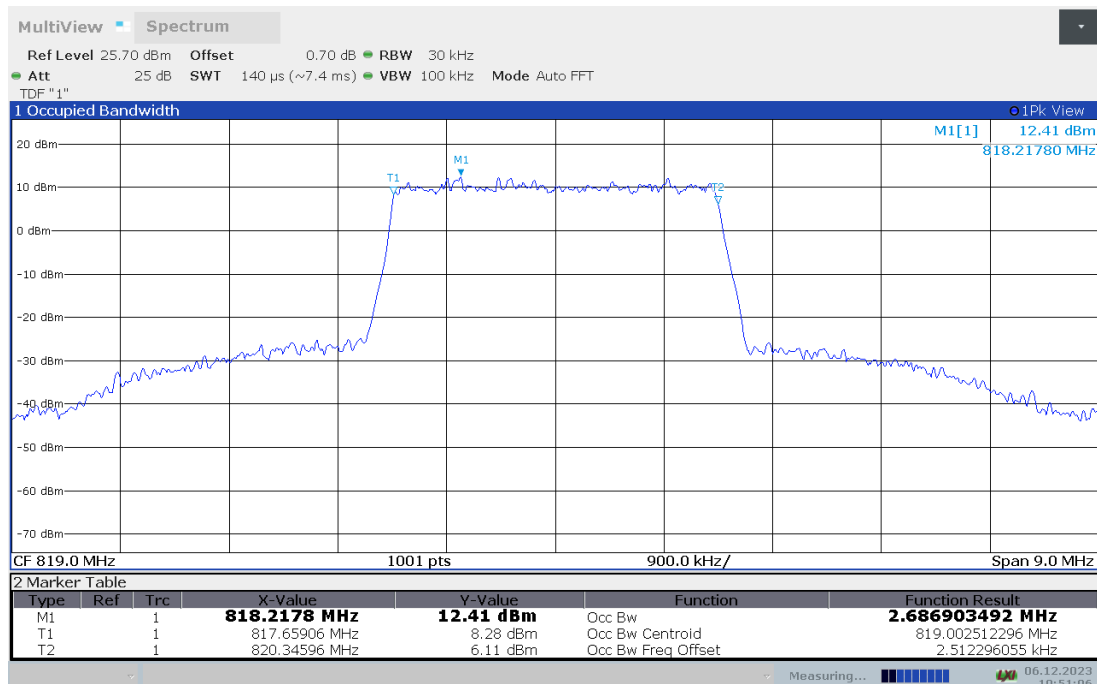
LTE band 26(814MHz-824MHz), 3MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
819	2.688	2.687

LTE band 26 , 3MHz Bandwidth, MID, QPSK (99% BW)



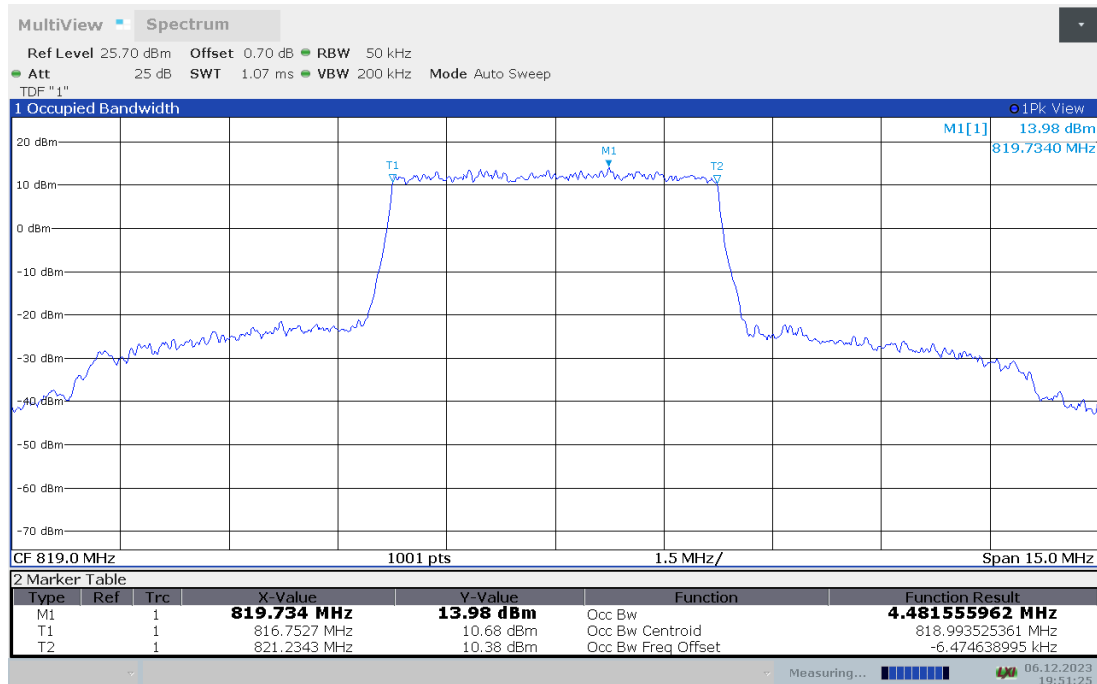
LTE band 26 , 3MHz Bandwidth, MID, 16QAM (99% BW)



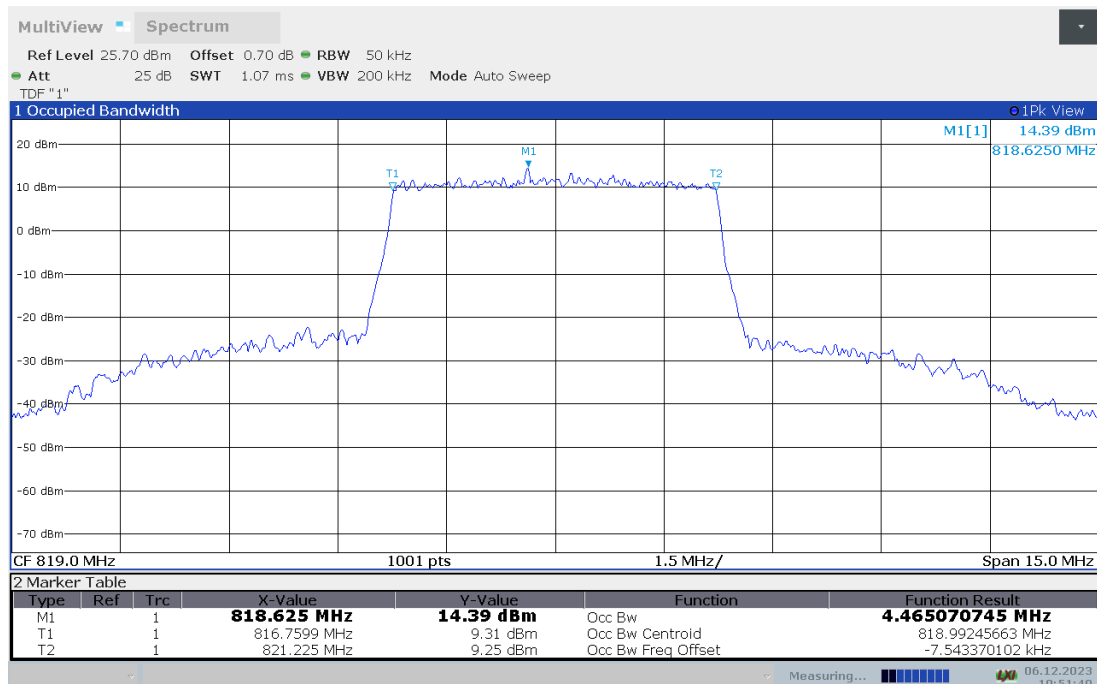
LTE band 26(814MHz-824MHz), 5MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
819	4.482	4.465

LTE band 26 , 5MHz Bandwidth, MID, QPSK (99% BW)



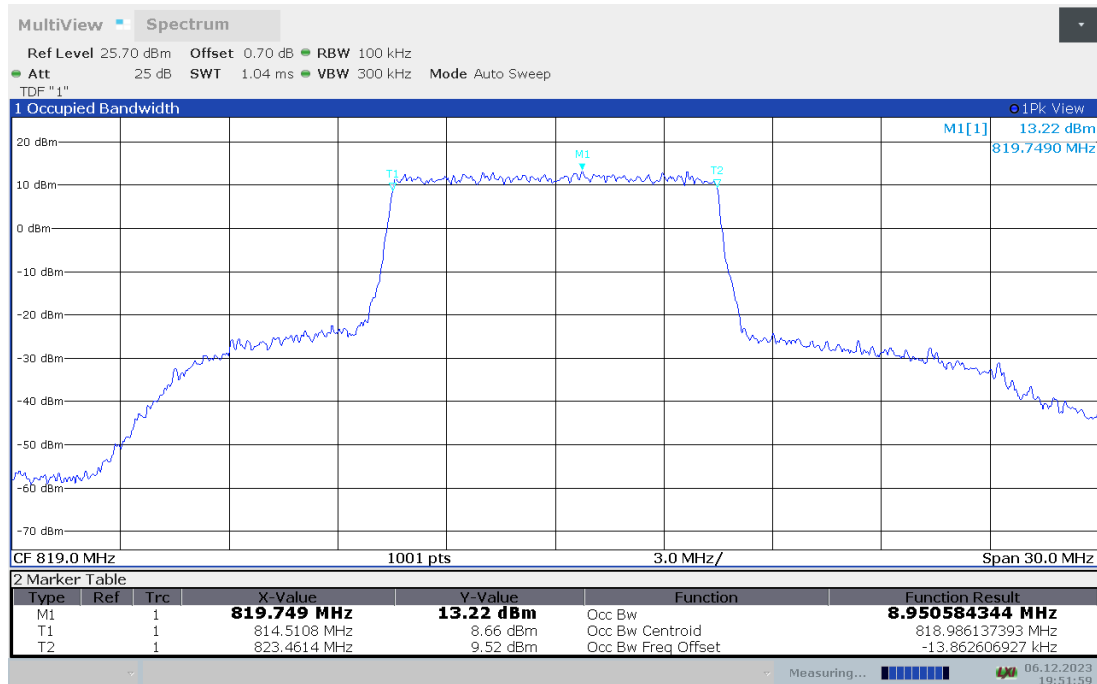
LTE band 26 , 5MHz Bandwidth, MID, 16QAM (99% BW)



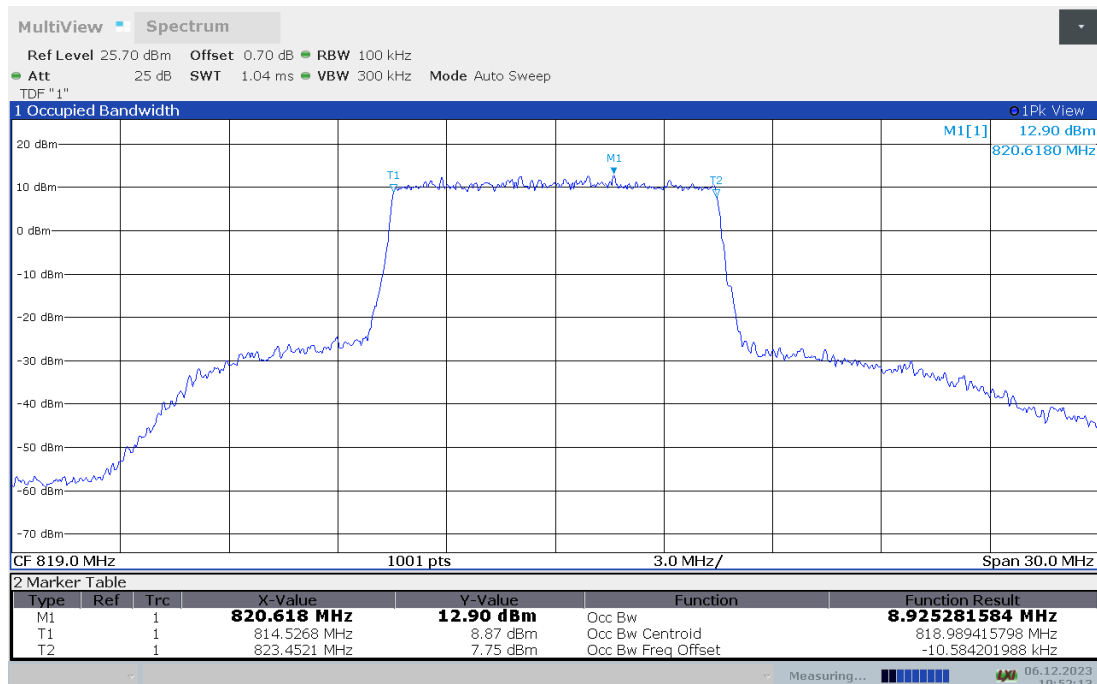
LTE band 26(814MHz-824MHz), 10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
819	8.951	8.925

LTE band 26 , 10MHz Bandwidth, MID, QPSK (99% BW)



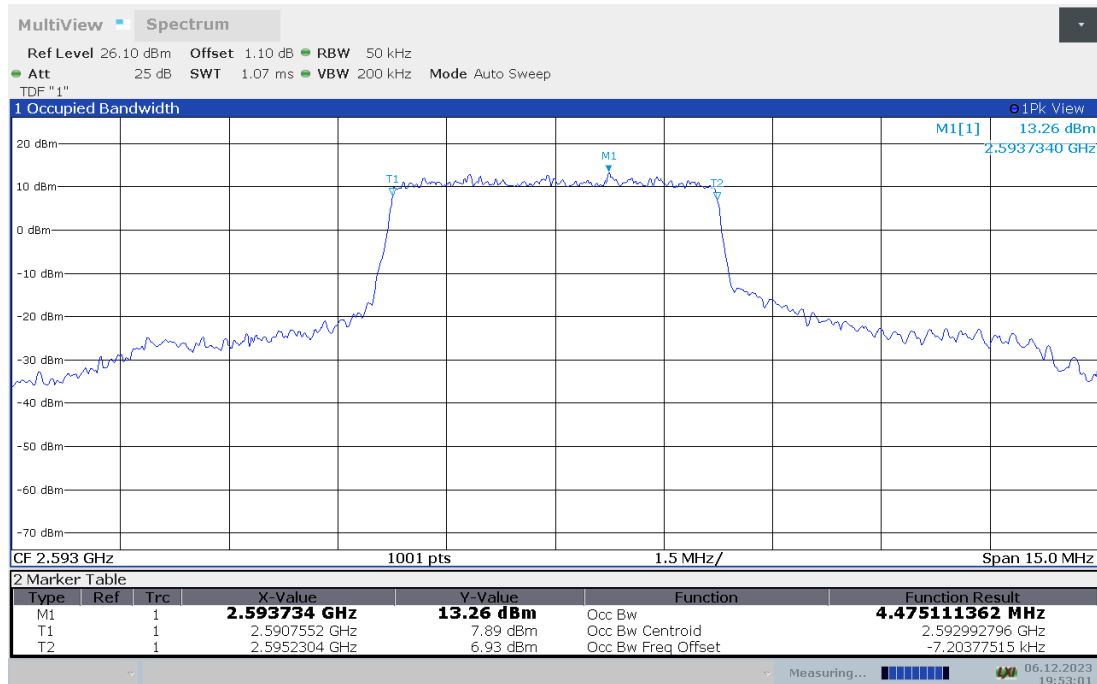
LTE band 26 , 10MHz Bandwidth, MID, 16QAM (99% BW)



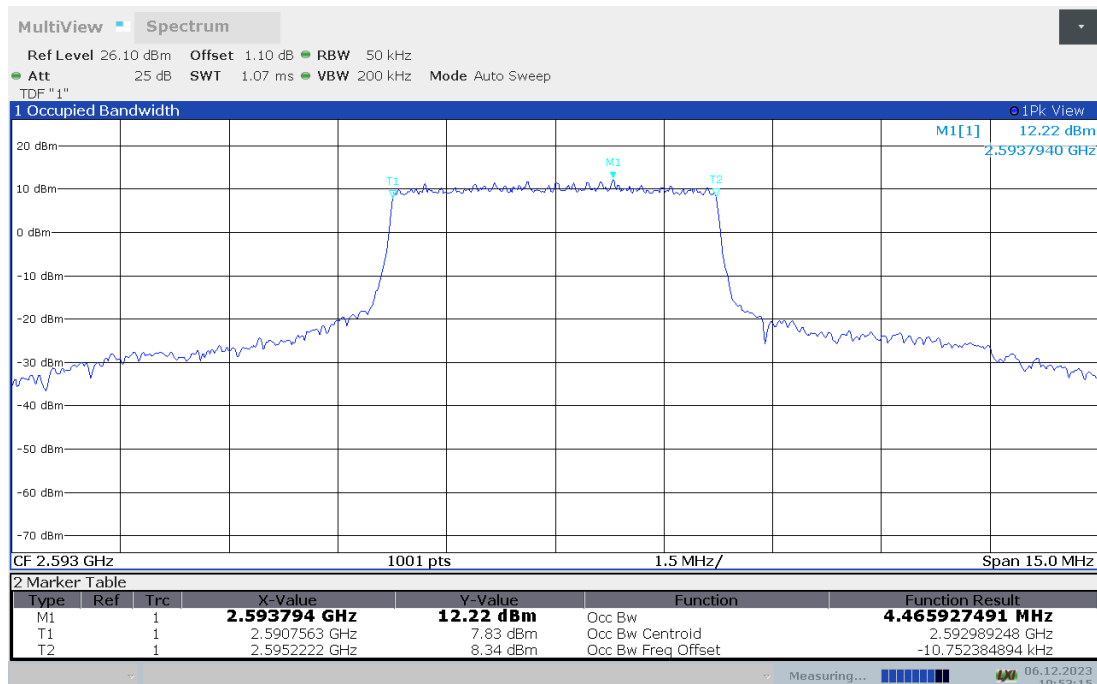
LTE band 41,5MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
2593	4.475	4.466

LTE band 41 , 5MHz Bandwidth, MID, QPSK (99% BW)



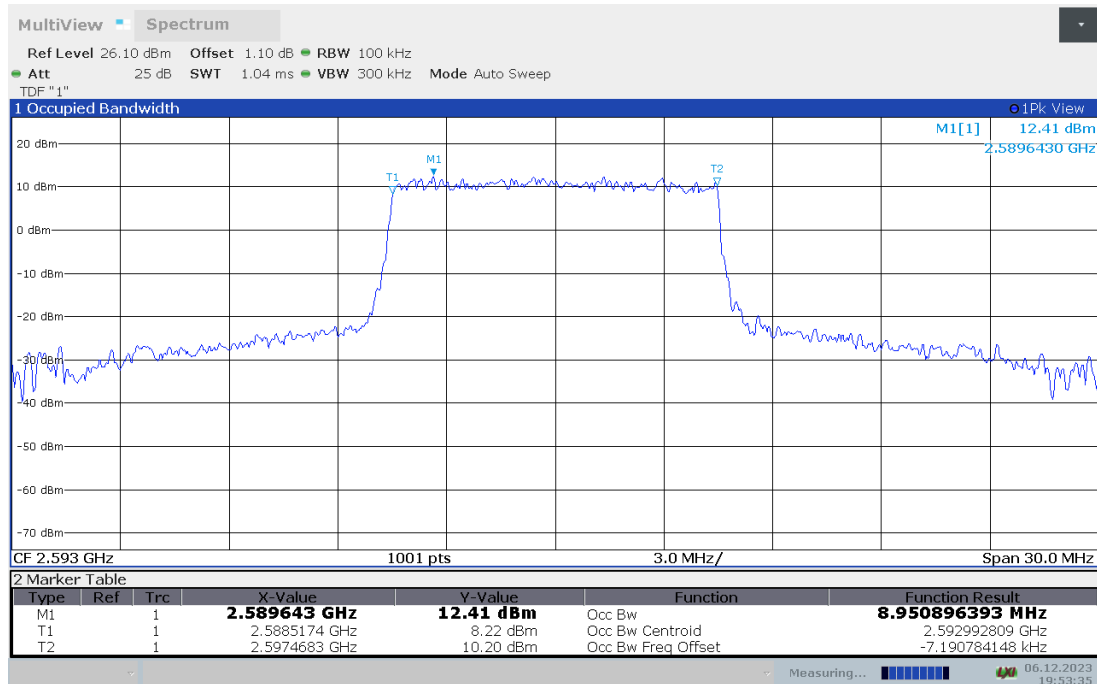
LTE band 41 , 5MHz Bandwidth, MID, 16QAM (99% BW)



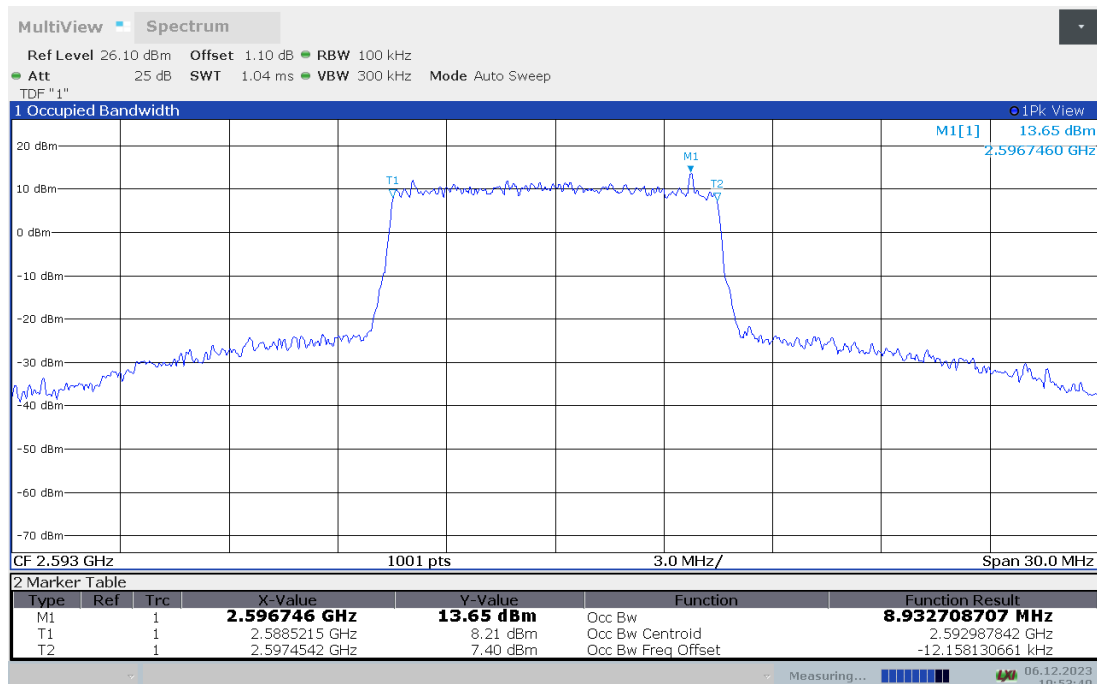
LTE band 41,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
2593	8.951	8.933

LTE band 41 , 10MHz Bandwidth, MID, QPSK (99% BW)



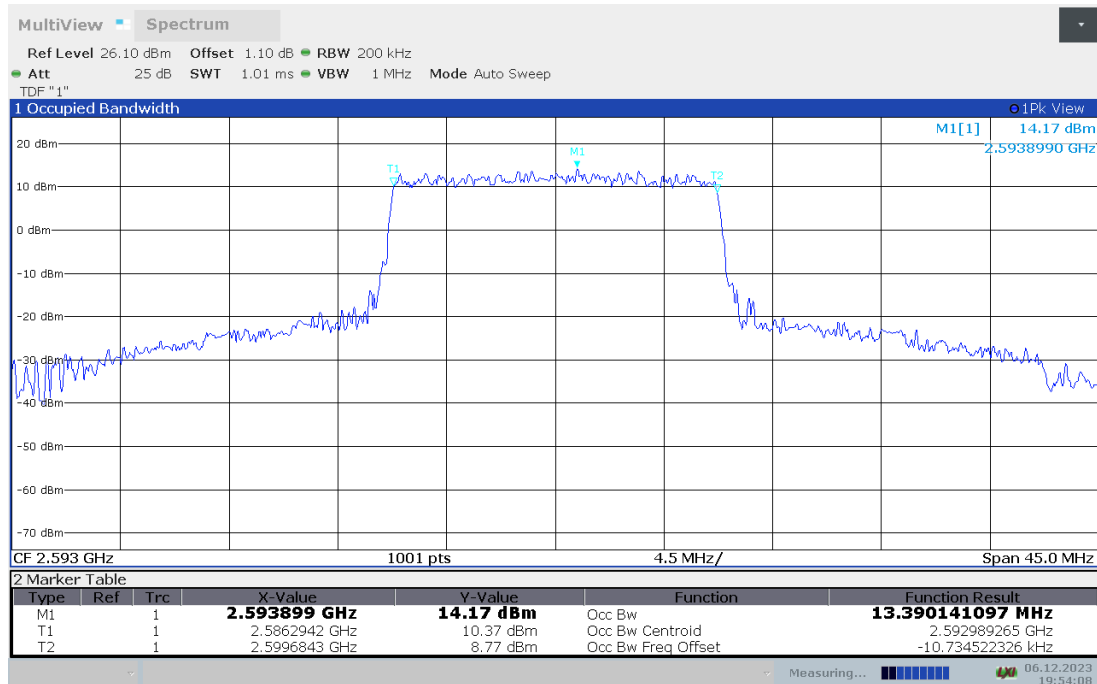
LTE band 41 , 10MHz Bandwidth, MID, 16QAM (99% BW)



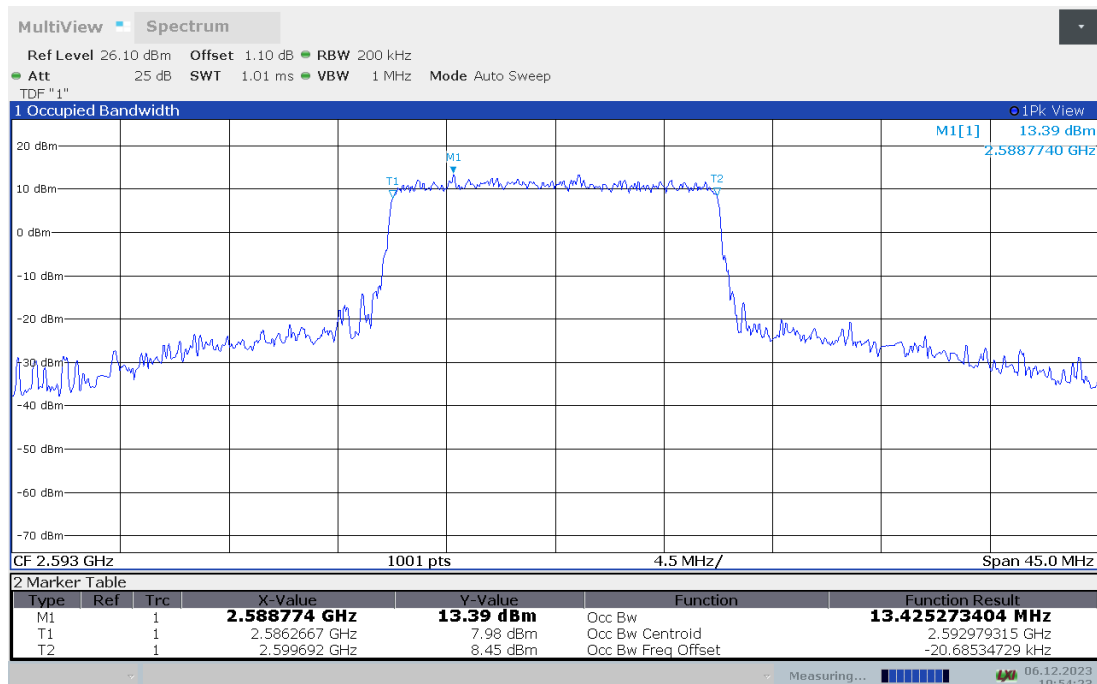
LTE band 41,15MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
2593	13.390	13.425

LTE band 41 , 15MHz Bandwidth, MID, QPSK (99% BW)



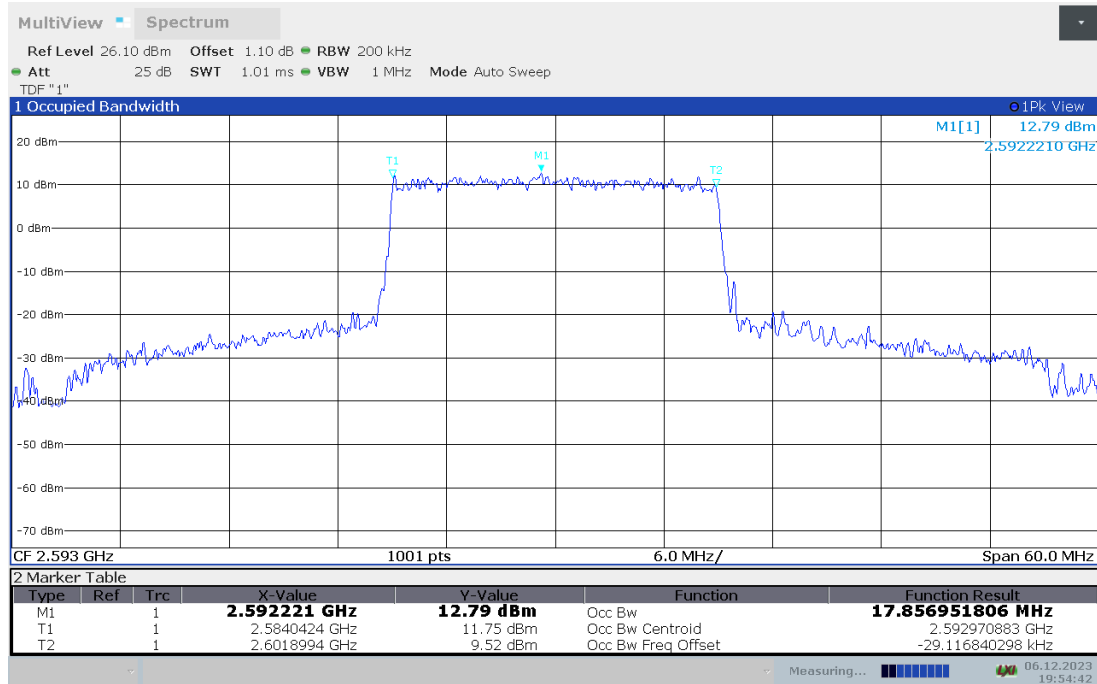
LTE band 41 , 15MHz Bandwidth, MID, 16QAM (99% BW)



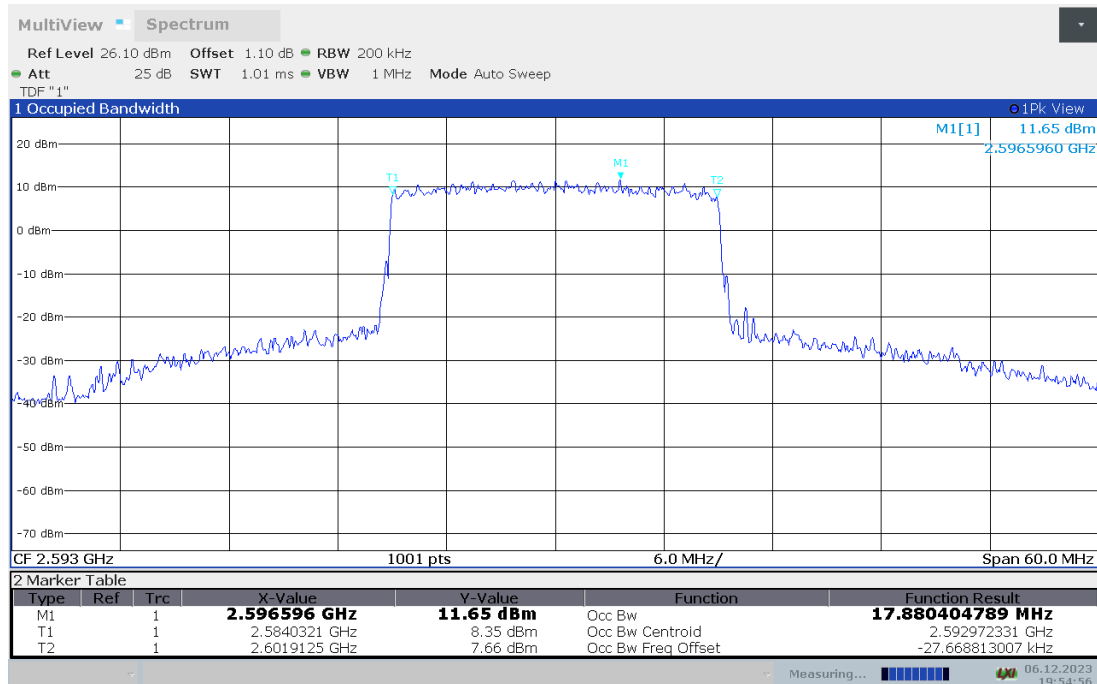
LTE band 41,20MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
2593	17.857	17.880

LTE band 41 , 20MHz Bandwidth, MID, QPSK (99% BW)



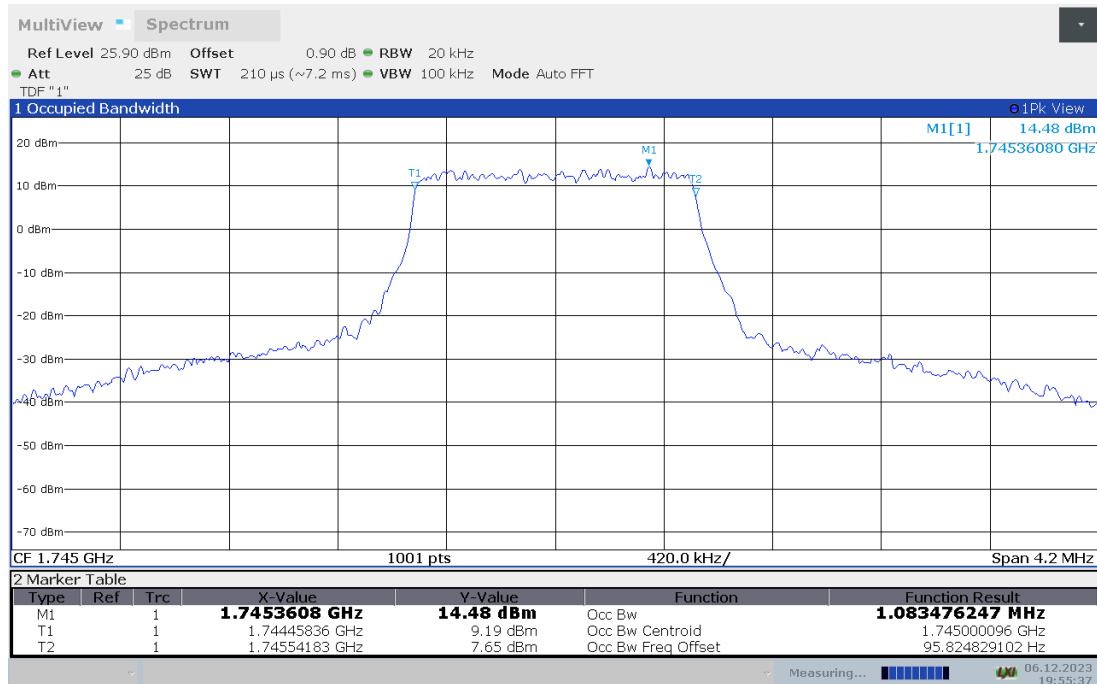
LTE band 41 , 20MHz Bandwidth, MID, 16QAM (99% BW)



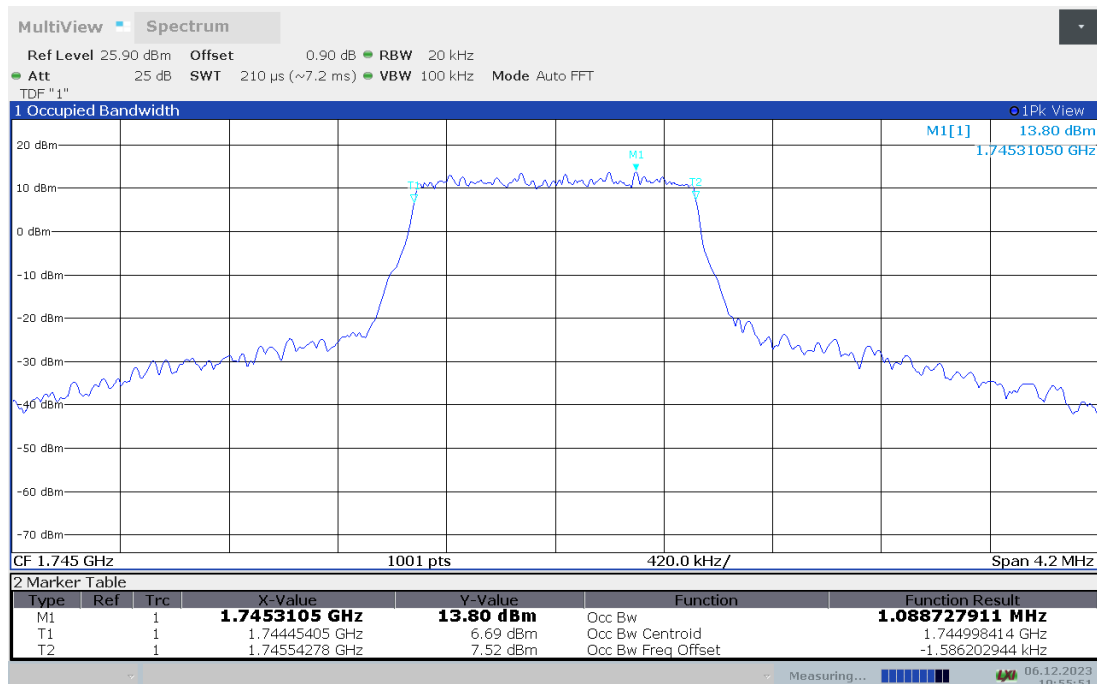
LTE band 66,1.4MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1745	1.083	1.089

LTE band 66 , 1.4MHz Bandwidth, MID, QPSK (99% BW)



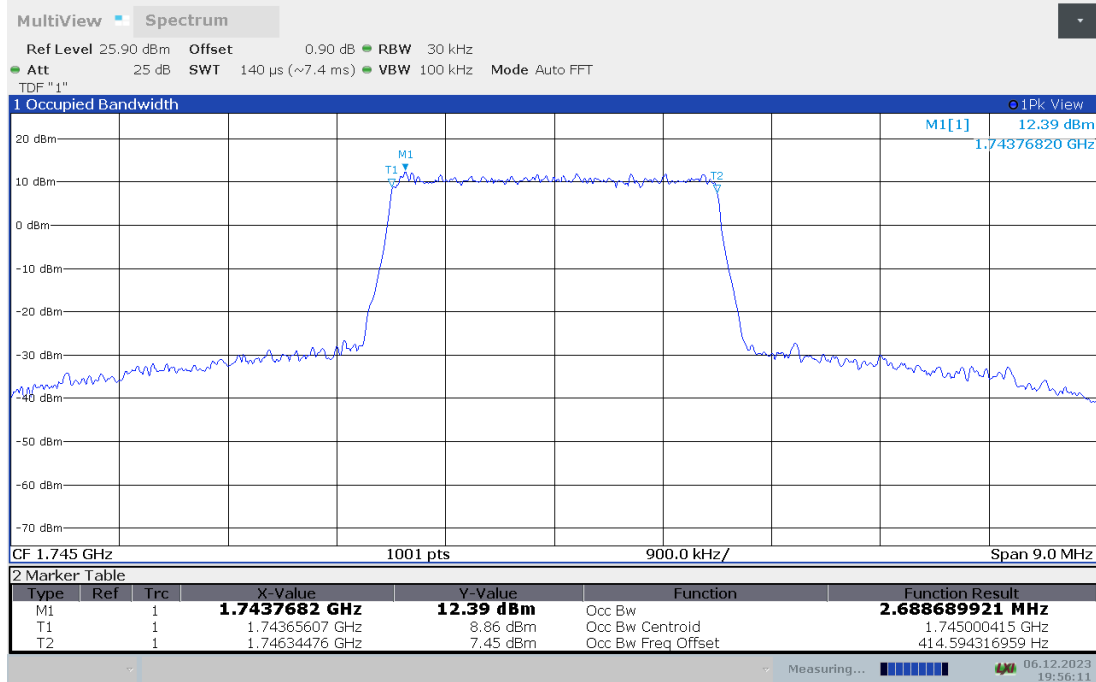
LTE band 66 , 1.4MHz Bandwidth, MID, 16QAM (99% BW)



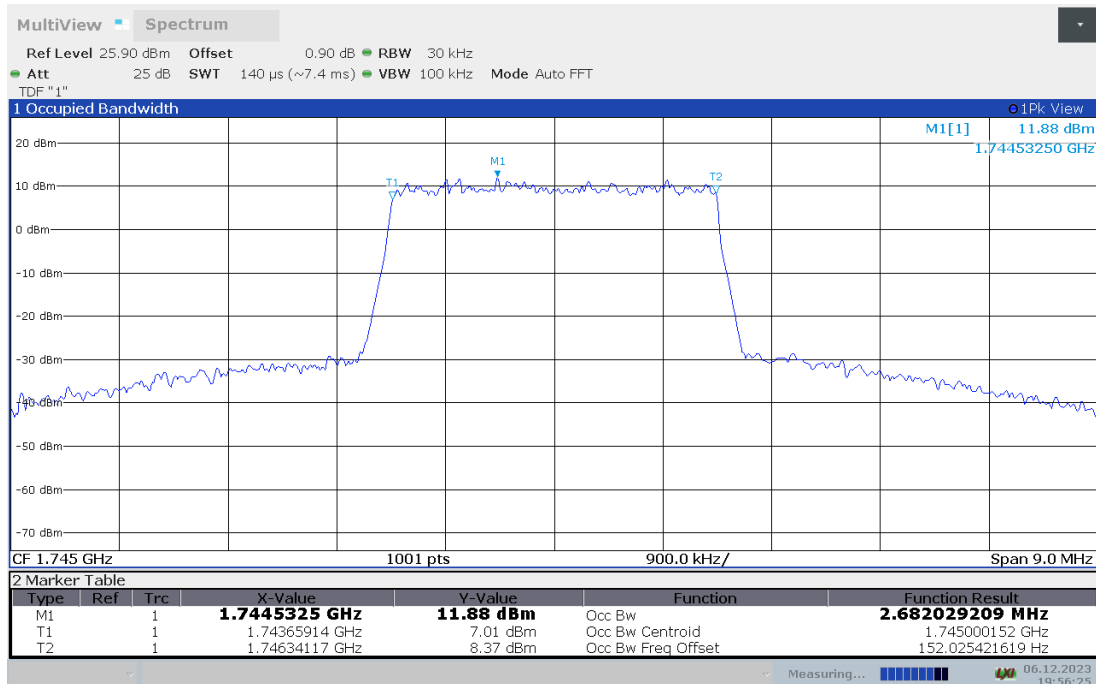
LTE band 66,3MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1745	2.689	2.682

LTE band 66 , 3MHz Bandwidth, MID, QPSK (99% BW)



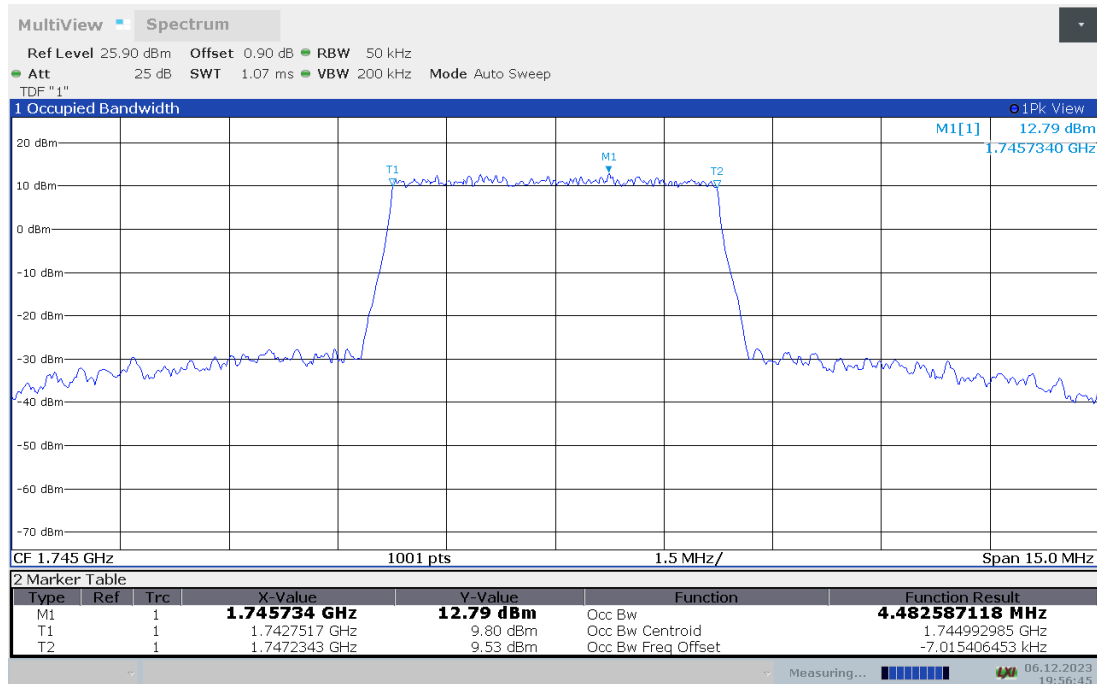
LTE band 66 , 3MHz Bandwidth, MID, 16QAM (99% BW)



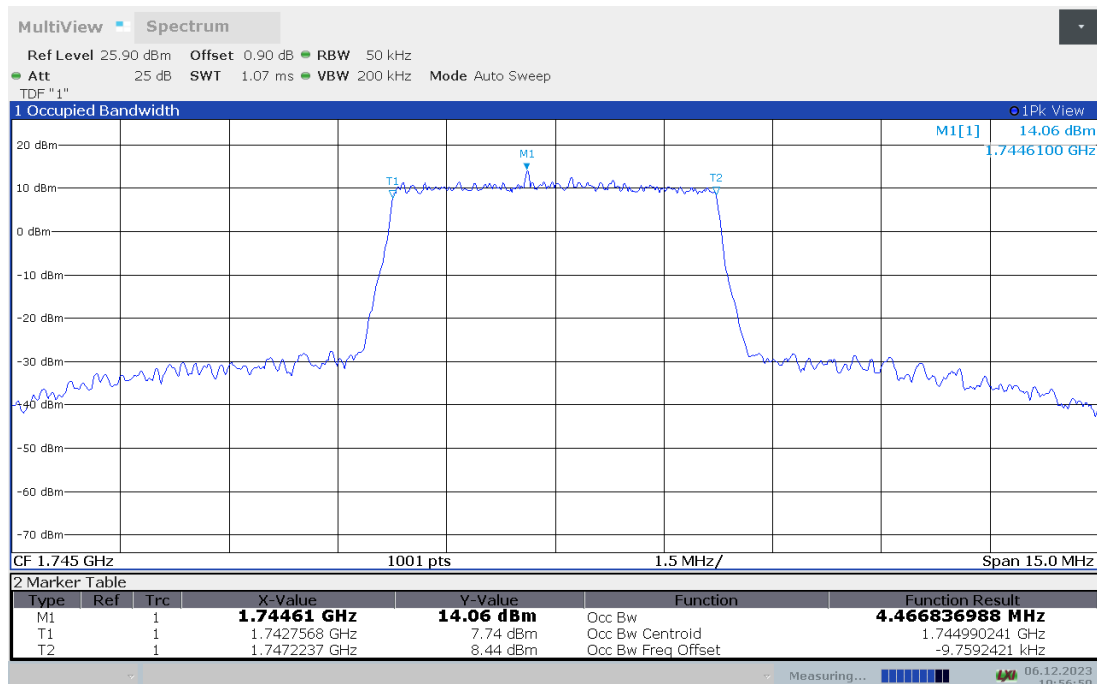
LTE band 66,5MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1745	4.483	4.467

LTE band 66 , 5MHz Bandwidth, MID, QPSK (99% BW)



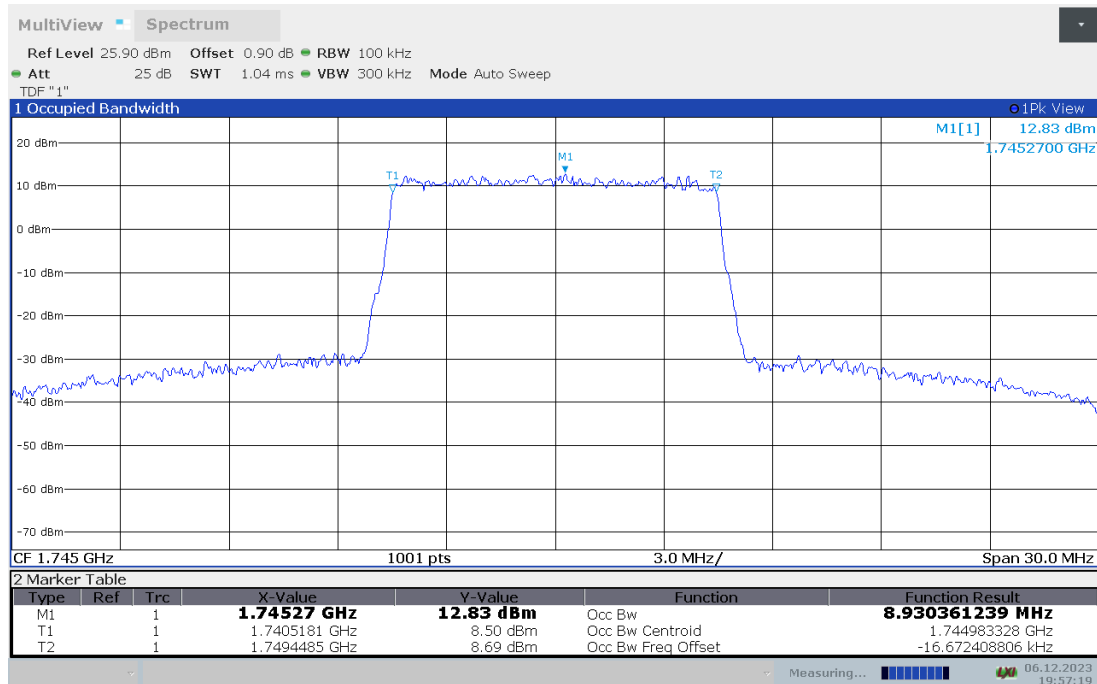
LTE band 66 , 5MHz Bandwidth, MID, 16QAM (99% BW)



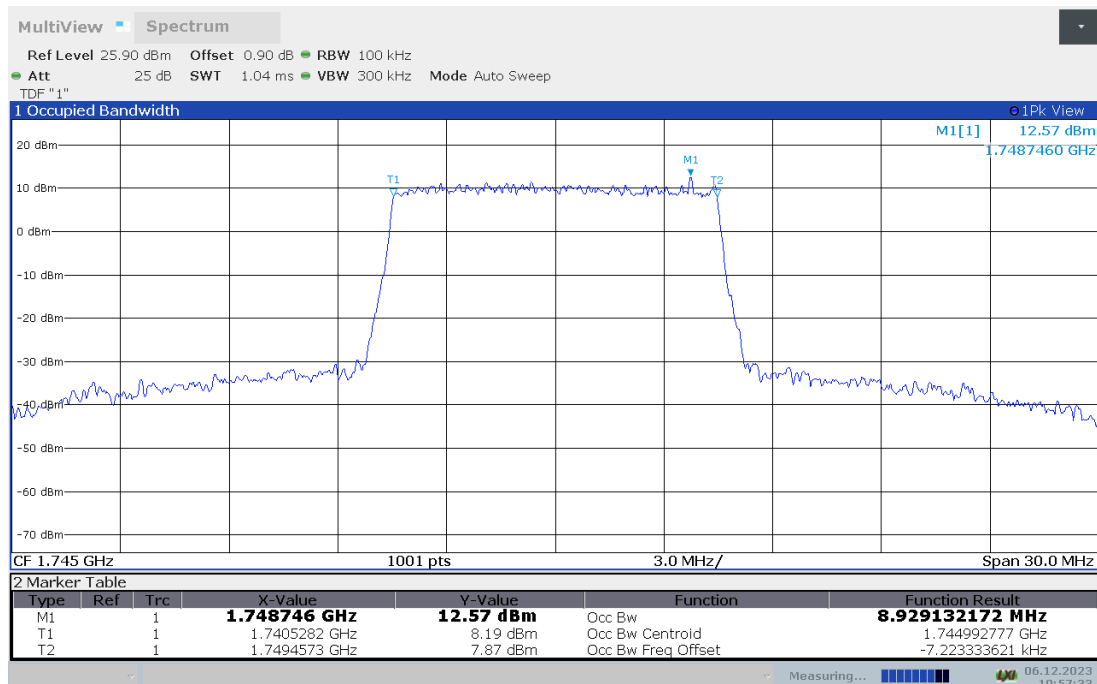
LTE band 66,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1745	8.930	8.929

LTE band 66 , 10MHz Bandwidth, MID, QPSK (99% BW)



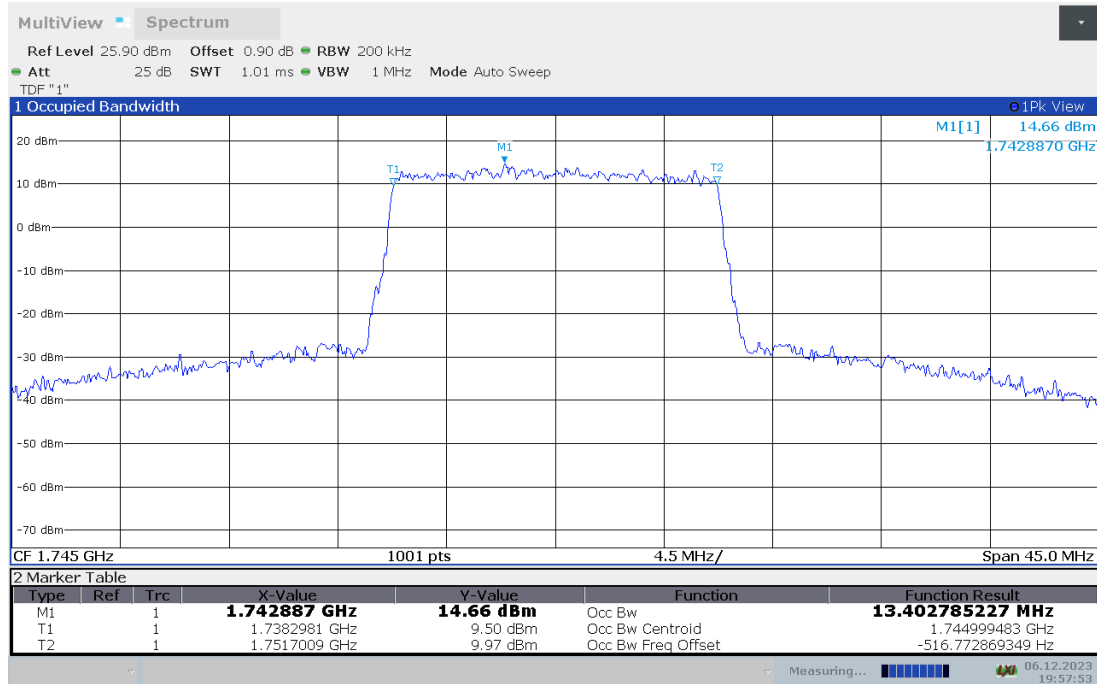
LTE band 66 , 10MHz Bandwidth, MID, 16QAM (99% BW)



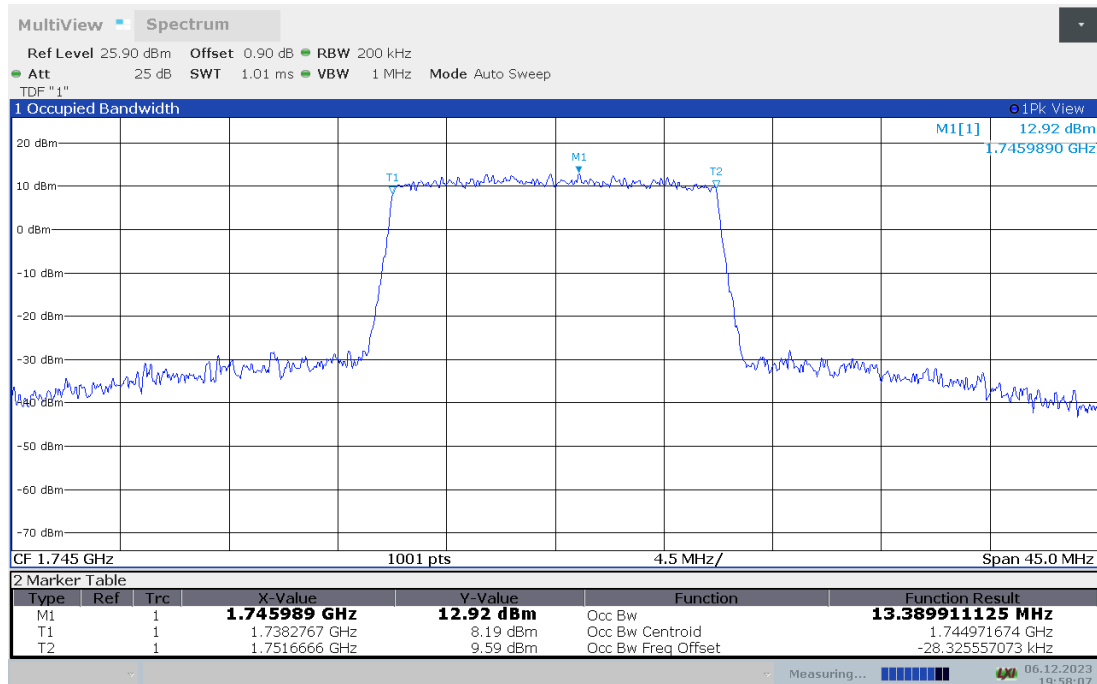
LTE band 66,15MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1745	13.403	13.390

LTE band 66 , 15MHz Bandwidth, MID, QPSK (99% BW)



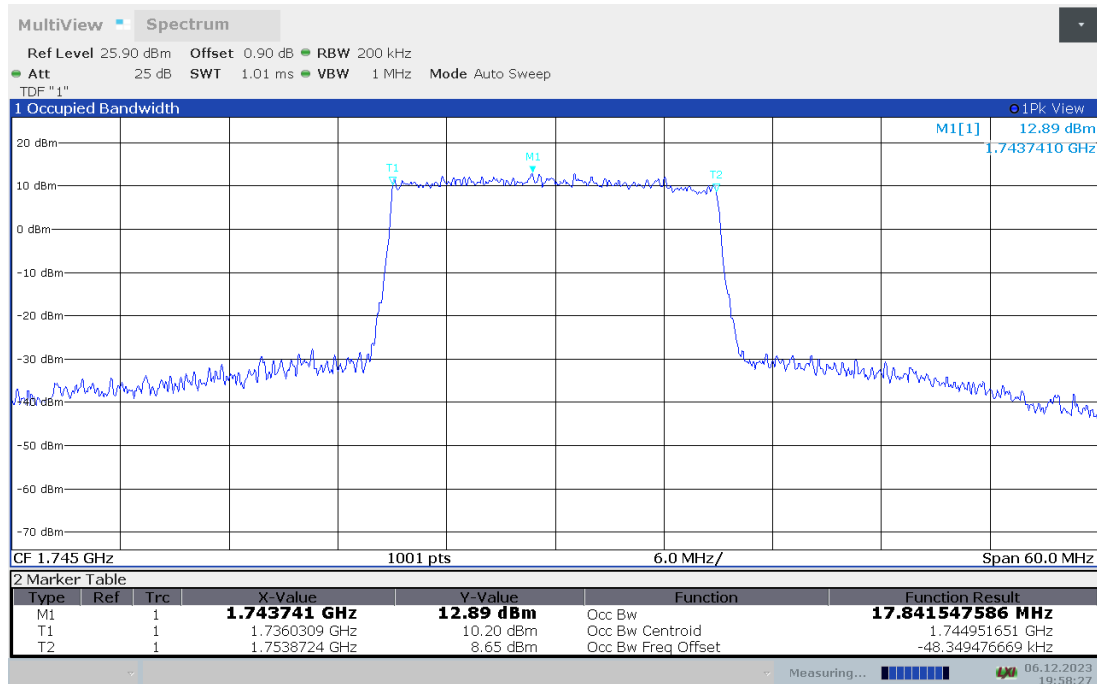
LTE band 66 , 15MHz Bandwidth, MID, 16QAM (99% BW)



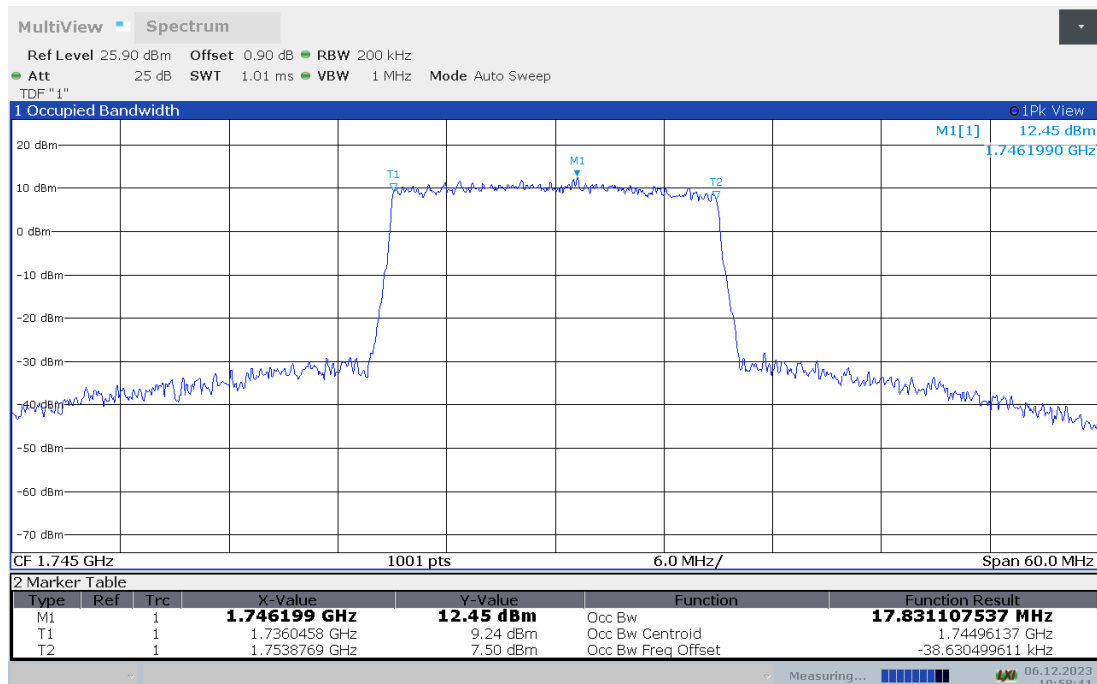
LTE band 66,20MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1745	17.842	17.831

LTE band 66 , 20MHz Bandwidth, MID, QPSK (99% BW)



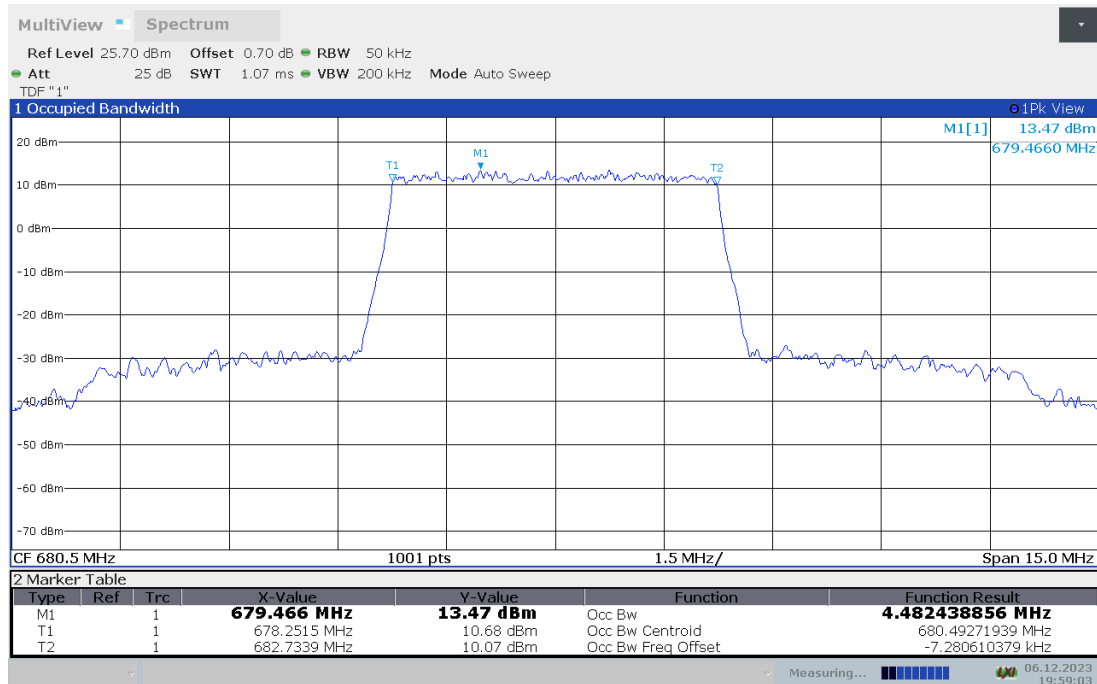
LTE band 66 , 20MHz Bandwidth, MID, 16QAM (99% BW)



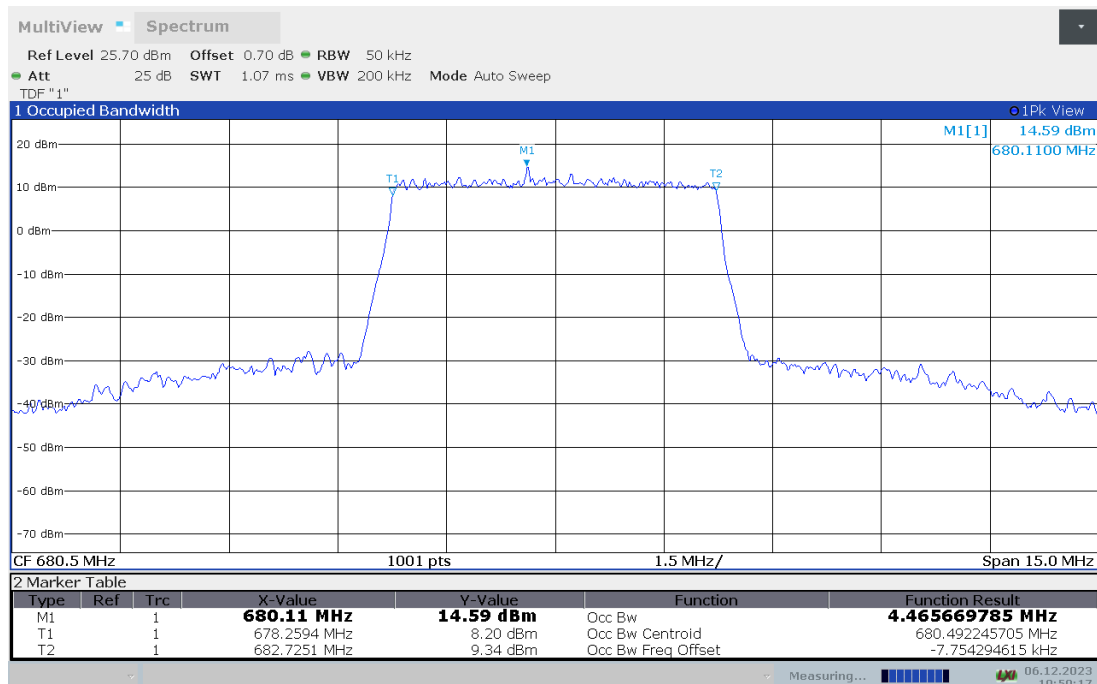
LTE band 71,5MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
680.5	4.482	4.466

LTE band 71 , 5MHz Bandwidth, MID, QPSK (99% BW)



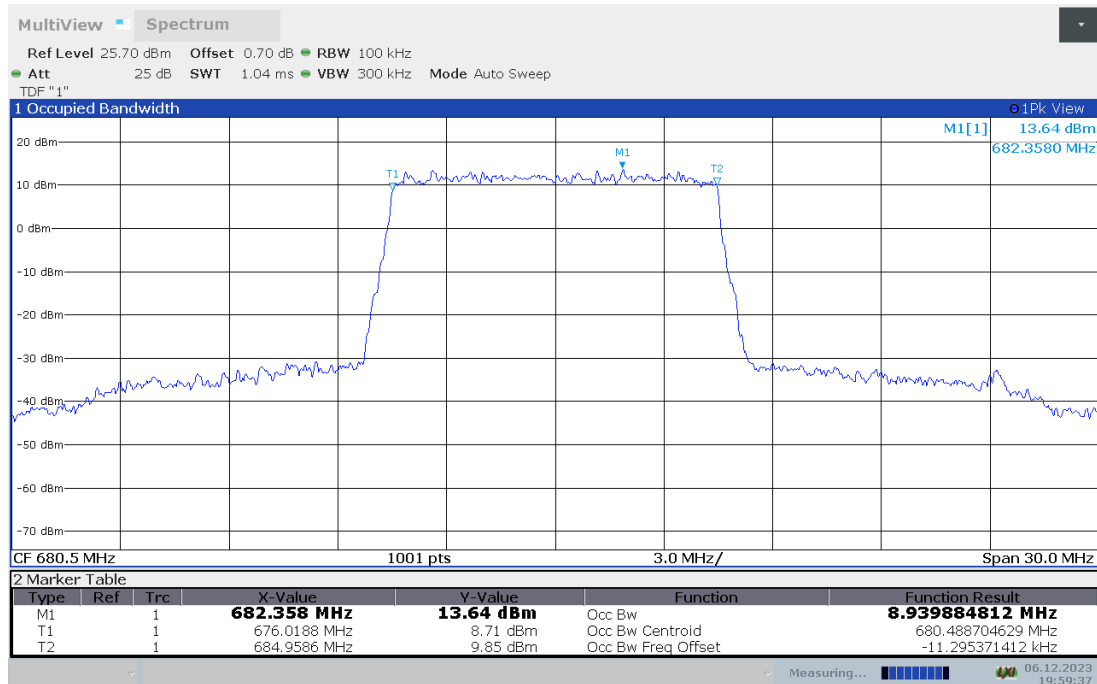
LTE band 71 , 5MHz Bandwidth, MID, 16QAM (99% BW)



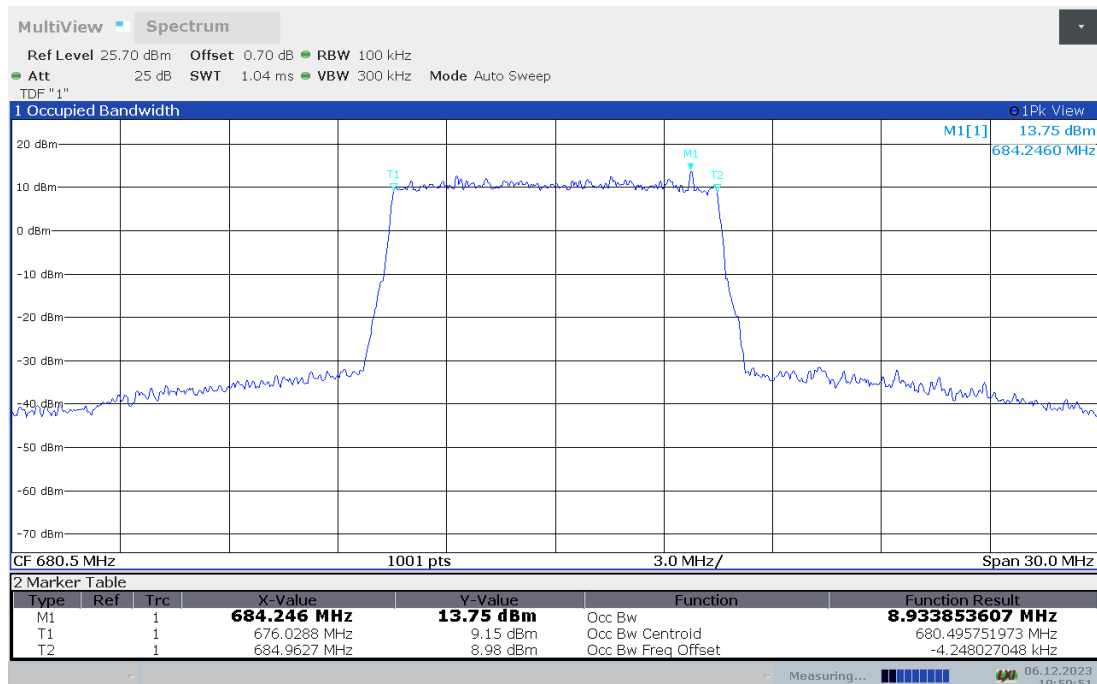
LTE band 71,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
680.5	8.940	8.934

LTE band 71 , 10MHz Bandwidth, MID, QPSK (99% BW)



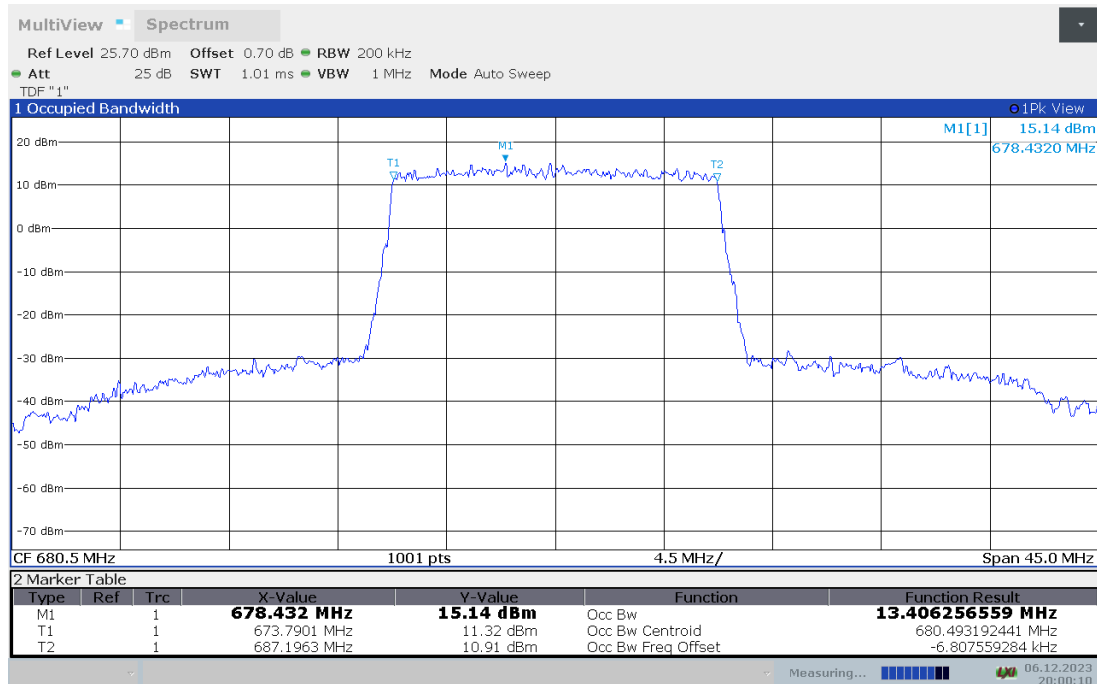
LTE band 71 , 10MHz Bandwidth, MID, 16QAM (99% BW)



LTE band 71,15MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
680.5	13.406	13.399

LTE band 71 , 15MHz Bandwidth, MID, QPSK (99% BW)



LTE band 71 , 15MHz Bandwidth, MID, 16QAM (99% BW)

