



TEST REPORT

REPORT NUMBER: 25B02W000002-001

ON

Type of Equipment: LTE Cat.1 Module
Type of Designation: IQ11
Brand Name: FOXX
Manufacturer: Foxx Development Inc
FCC ID: 2AQRM-IQ11

ACCORDING TO

FCC Part 22

FCC Part 24

FCC part 27

ANSI C63.26-2015

Chongqing Academy of Information and Communications Technology

Month date, year

Feb.21st, 2025

Signature



Zhou Jin

Director

Note:

The test results in this test report relate only to the devices specified in the test report. This report shall not be reproduced except in full without the written approval of Chongqing Academy of Information and Communications Technology.





Report No.: 25B02W000002-001

Revision Version

Report Number	Revision	Date
25B02W000002-001	00	2025-02-21

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1. Test Laboratory

1.1. Testing Location

Name:	Chongqing Academy of Information and Communications Technology
Designation Number:	CN1239
Address:	No.19EastRoad,Xiantao Big-data Valley,Yubei District, Chongqing,People's Republic of China
Postal Code:	401336
Telephone:	0086-23-88069965
Fax:	0086-23-88608777

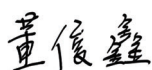
1.2. Testing Environment

Normal Temperature:	15-35°C
Relative Humidity:	30-70%

1.3. Project data

Testing Start Date:	2025-01-22
Testing End Date:	2025-01-26

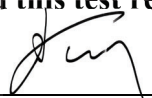
1.4. Signature



2025-02-20

Dong Junxin
(Prepared this test report)

Date



2025-02-20

Wang Lili
(Reviewed this test report)

Date



2025-02-21

Zhou Jin
Director of the laboratory
(Approved this test report)

Date

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2. Client Information

2.1. Applicant Information

Company name:	Foxx Development Inc
Address /Post:	3480 Preston Ridge Road Suite 500, Alpharetta, GA 30005
City:	Alpharetta
Country:	United States of America
Telephone:	(858) 925-4348
Fax:	--
Email:	jamesliao@foxxusa.com
Contact Person:	James Liao

2.2. Manufacturer Information

Company Name:	Foxx Development Inc
Address /Post:	3480 Preston Ridge Road Suite 500, Alpharetta, GA 30005
City:	Alpharetta
Country:	United States of America
Telephone:	(858) 925-4348
Fax:	--
Email:	jamesliao@foxxusa.com
Contact Person:	James Liao

3. Equipment under Test (EUT) and Ancillary Equipment (AE)

3.1. About EUT

EUT Description	LTE Cat.1 Module
Model name	IQ11
Brand name	FOXX
LTE Frequency Band	2/4/5/12/13/66/71
Type of modulation	QPSK/16QAM
Extreme Temperature	-40/+85°C
Nominal Test Voltage	DC 3.8V
Extreme Test High Voltage	DC 4.2V
Extreme Test Low Voltage	DC 3.3V

Note1: Photographs of EUT are shown in ANNEX A of this test report.

Note2: High and low voltage values in extreme condition test are given by manufacturer.

Note3: The Extreme Temperature is provided by the manufacturer and has not been verified by the laboratory.

3.2. Internal Identification of EUT used during the test

EUT ID	SN or IMEI	HW Version	SW Version	Date of receipt
25B02W000002#S1	IMEI:866234079631808	V1	IQ11v05.01b03.01	2025-01-21
25B02W000002#S3	IMEI:866234079631436	V1	IQ11v05.01b03.01	2025-01-21

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

3.3. Outline of Equipment under Test

Technology	Band	UL Freq.(MHz)	DL Freq.(MHz)	Note
LTE	B2	1850-1910	1930-1990	16QAM only supports 1.4M, 3M and 5M bandwidth
	B4	1710-1755	2110-2155	16QAM only supports 1.4M, 3M and 5M bandwidth
	B5	824-849	869-894	16QAM only supports 1.4M, 3M and 5M bandwidth
	B12	699-716	729-746	16QAM only supports 1.4M, 3M and 5M bandwidth
	B13	777-787	746-756	16QAM only supports 5M bandwidth
	B66	1710-1780	2110-2200	16QAM only supports 1.4M, 3M and 5M bandwidth
	B71	663-698	617-652	16QAM only supports 5M bandwidth

3.4. Internal Identification of AE used during the test

AE ID*	Description
Q1	5J002B-LTE Antenna

Antenna Gain

Frequency Band	Antenna Gain (dBi)	Antenna Gain (dBd)
LTE Band 2	2.3	N/A
LTE Band 4	2.3	N/A
LTE Band 5	2.3	N/A
LTE Band 12	N/A	0.15
LTE Band 13	N/A	0.15
LTE Band 66	2.3	N/A
LTE Band 71	N/A	0.15

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

dB*: is provided customer.

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4. Reference Documents

4.1. Documents supplied by applicant

PICS/PIXIT, referring to Annex B for detailed information, is supplied by the client or manufacturer, which is the basis of testing.

4.2. Reference Documents for testing

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

Reference	Title	Version
FCC Part 22	Public Mobile Services	--
FCC Part 24	Personal Communications Services	--
FCC part 27	Miscellaneous Wireless Communications Services	--
ANSI C63.26	American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services	2015

5. Test Equipments Utilized

5.1. RF Test System

No.	Equipment	Model	SN	HW Version	SW Version	Manufacture	Cal.Due Date
1	Spectrum analyzer	FSQ 26	201137	--	--	R&S	2025-06-28
2	Universal Radio Communication Tester	CMW500	152395	--	--	R&S	2025-06-28
3	DC Power Supply	62015L-60-6	L02000001587	--	--	Chroma	2025-06-28
4	Splitter	--	--	--	--	--	--

5.2. RSE Test System

No.	Equipment	Model	SN	HW Version	SW Version	Manufacture	Cal.Due Date
1	Universal Radio Communication Tester	CMW500	128181	--	--	R&S	2025-06-28
2	Test Receiver	ESU40	100350	01	4.43 SP3	R&S	2025-06-28
3	Test Receiver	ESW 26	101382	00	1.50 SP1	R&S	2025-06-28
4	Ultra-wideband Log Periodic Antenna	VULB 9163	9163-586	--	--	Schwarzbeck	2026-10-28
5	Double Ridged Guide Antenna	9120D	9120D-1103	--	--	Schwarzbeck	2026-05-13
6	Ultra-wideband Log Periodic Antenna	VULB 9163	00995	--	--	Schwarzbeck	2025-09-11
7	Double Ridged Guide Antenna	9120D	9120D-1083	--	--	Schwarzbeck	2026-11-08
8	High gain horn antenna	DATE 1152	LM7127	--	--	ETS	2026-09-30
9	Fully-Anechoic Chamber	FAC5	--	--	--	TDK	2026-07-29
10	Anechoic chamber	SAC-10	--	--	--	TDK	2026-08-26
11	Generator	SMCV100B	104276	--	--	R&S	2025-06-28
12	Amplifier1	SCU-08F1	8320027	--	--	R&S	--
13	Amplifier2	SCU-18F	180093	--	--	R&S	--
14	Generator	SMF 100A	104074	--	--	R&S	2025-06-28
15	Antenna Tower	TAM4.0-P-12kg	4.22	--	--	Maturo	--

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**5.3. Climate Chamber**

No.	Name	Type	SN	Manufacture	Cal.Due Date
1	Climate chamber	VT4002	51860272202 3003	KQSN	2025-06-28

5.4. Vibration table

No.	Name	Type	SN	Manufacture	Cal.Due Date
--	--	--	--	--	--

5.5. Test software

No.	Name	version	SN	Manufacture
1	T-RFS500	V2.0	--	Beijing Zhiwang Xince Technology Co., Ltd.
2	EMC32	V9.26.01	--	R&S
3	EMC32	V10.20.01	--	R&S

6. Test Results

6.1. Summary of Test Results

A brief summary of the tests carried out is shown as following.

FCC Rules	Name of Test	Result
22.913,24.232,27.50	Conducted RF Power Output	Pass
22.913,24.232,27.50	ERP and EIRP	Pass
--	Occupied Bandwidth	*Note 1
24.238,22.917, 27.53	Conducted spurious emissions	Pass
24.238,22.917, 27.53	Radiated Spurious Emission	Pass
24.238,22.917, 27.53	Band Edge	Pass
22.355,24.235, 27.54	Frequency Stability	Pass
24.232, 27.50	Peak to Average Ratio	Pass

Note 1: No applicable performance criteria.

Note 2: Explanation of worst-case configuration The worst-case scenario for all measurements is based on the conducted output power. Output power was measured on QPSK,16QAM modulations. It was found that QPSK was the worst case. All testing was performed using QPSK modulations to represent the worst case unless otherwise stated. The test results shown in the following sections represent the worst case emission.

Note 3: The prototype type is Cat1.

6.2. Conducted RF Power Output

Specifications:	FCC Part 22.913,24.232,27.50
DUT Serial Number:	IMEI:866234079631808
Test conditions:	Ambient Temperature:15°C-35°C Relative Humidity:30%-70% Air pressure: 86-106kPa
Test Results:	Pass

Limit Level Construction:

According to Part 22.913(a):The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

According to Part 24.232(c):Mobile and portable stations are limited to 2 watts EIRP and the equipment must employ a means for limiting power to the minimum necessary for successful communications.

According to Part 27.50(b):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.

According to Part 27.50(c):Portable stations (hand-held devices) in the 600 MHz uplink band and the 698-746 MHz band, and fixed and mobile stations in the 600 MHz uplink band are limited to 3 watts ERP.

According to Part 27.50(d):Fixed, mobile, and portable (hand-held) stations operating in the 1710-1755 MHz band and mobile and portable stations operating in the 1695-1710 MHz and 1755-1780 MHz bands are limited to 1 watt EIRP.

Measurement Uncertainty:

Item	Uncertainty
Expanded Uncertainty	0.6 dB (k=2)

Test Setup:

During the test, the EUT was controlled via the Wireless Telecommunications Test Set to ensure max power transmission and proper modulation



Test Method:

The EUT is connected to the Universal Radio Communication Tester through the RF cable, and the average power and peak power are obtained through the Universal Radio Communication Tester

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Note: --

6.2.1 Conducted RF Power Output Results

LTE band 2

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Avg Power (dBm)	Peak Power (dBm)
1.4MHz	1 RB low	1850.7	QPSK	20.92	26.74
1.4MHz	1 RB mid	1850.7	QPSK	21.01	26.84
1.4MHz	1 RB high	1850.7	QPSK	21.11	26.90
1.4MHz	50%,low	1850.7	QPSK	21.05	26.39
1.4MHz	50% RB mid	1850.7	QPSK	21.07	26.35
1.4MHz	50%,high	1850.7	QPSK	21.17	26.48
1.4MHz	100% RB	1850.7	QPSK	20.10	26.64
1.4MHz	1 RB low	1850.7	16QAM	20.19	25.78
1.4MHz	1 RB mid	1850.7	16QAM	20.32	25.89
1.4MHz	1 RB high	1850.7	16QAM	20.30	25.92
1.4MHz	50%,low	1850.7	16QAM	20.18	27.12
1.4MHz	50% RB mid	1850.7	16QAM	20.21	27.10
1.4MHz	50%,high	1850.7	16QAM	20.23	27.15
1.4MHz	100% RB	1850.7	16QAM	19.30	26.40
1.4MHz	1 RB low	1880	QPSK	21.07	26.93
1.4MHz	1 RB mid	1880	QPSK	21.20	27.01
1.4MHz	1 RB high	1880	QPSK	21.20	26.99
1.4MHz	50%,low	1880	QPSK	21.22	27.13
1.4MHz	50% RB mid	1880	QPSK	21.23	27.11
1.4MHz	50%,high	1880	QPSK	21.22	27.17
1.4MHz	100% RB	1880	QPSK	20.33	26.11
1.4MHz	1 RB low	1880	16QAM	20.35	26.40
1.4MHz	1 RB mid	1880	16QAM	20.45	26.42
1.4MHz	1 RB high	1880	16QAM	20.41	26.43
1.4MHz	50%,low	1880	16QAM	20.35	26.55
1.4MHz	50% RB mid	1880	16QAM	20.36	26.56
1.4MHz	50%,high	1880	16QAM	20.40	26.59
1.4MHz	100% RB	1880	16QAM	19.52	25.66
1.4MHz	1 RB low	1909.3	QPSK	21.22	26.83
1.4MHz	1 RB mid	1909.3	QPSK	21.27	26.86
1.4MHz	1 RB high	1909.3	QPSK	21.33	26.86
1.4MHz	50%,low	1909.3	QPSK	21.22	26.62
1.4MHz	50% RB mid	1909.3	QPSK	21.34	26.65
1.4MHz	50%,high	1909.3	QPSK	21.38	26.70
1.4MHz	100% RB	1909.3	QPSK	20.48	26.15
1.4MHz	1 RB low	1909.3	16QAM	20.47	25.40

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1.4MHz	1 RB mid	1909.3	16QAM	20.60	25.50
1.4MHz	1 RB high	1909.3	16QAM	20.62	25.54
1.4MHz	50%,low	1909.3	16QAM	20.45	26.46
1.4MHz	50% RB mid	1909.3	16QAM	20.49	26.44
1.4MHz	50%,high	1909.3	16QAM	20.52	26.48
1.4MHz	100% RB	1909.3	16QAM	19.45	26.11
3MHz	1 RB low	1851.5	QPSK	20.75	25.49
3MHz	1 RB mid	1851.5	QPSK	21.10	25.80
3MHz	1 RB high	1851.5	QPSK	21.02	25.78
3MHz	50%,low	1851.5	QPSK	20.06	26.11
3MHz	50% RB mid	1851.5	QPSK	20.21	26.24
3MHz	50%,high	1851.5	QPSK	20.26	26.07
3MHz	100% RB	1851.5	QPSK	20.22	26.26
3MHz	1 RB low	1851.5	16QAM	20.20	25.73
3MHz	1 RB mid	1851.5	16QAM	20.56	26.14
3MHz	1 RB high	1851.5	16QAM	20.50	26.06
3MHz	50%,low	1851.5	16QAM	19.19	26.55
3MHz	50% RB mid	1851.5	16QAM	19.35	26.64
3MHz	50%,high	1851.5	16QAM	19.31	25.74
3MHz	100% RB	1851.5	16QAM	19.18	25.88
3MHz	1 RB low	1880	QPSK	20.88	26.75
3MHz	1 RB mid	1880	QPSK	21.19	26.93
3MHz	1 RB high	1880	QPSK	20.93	26.71
3MHz	50%,low	1880	QPSK	19.98	25.83
3MHz	50% RB mid	1880	QPSK	20.03	25.91
3MHz	50%,high	1880	QPSK	20.06	25.92
3MHz	100% RB	1880	QPSK	19.98	25.74
3MHz	1 RB low	1880	16QAM	19.88	25.92
3MHz	1 RB mid	1880	16QAM	20.18	26.15
3MHz	1 RB high	1880	16QAM	20.06	26.08
3MHz	50%,low	1880	16QAM	19.18	27.03
3MHz	50% RB mid	1880	16QAM	19.31	27.06
3MHz	50%,high	1880	16QAM	19.48	26.15
3MHz	100% RB	1880	16QAM	19.19	26.12
3MHz	1 RB low	1908.5	QPSK	21.10	26.75
3MHz	1 RB mid	1908.5	QPSK	21.22	26.74
3MHz	1 RB high	1908.5	QPSK	21.22	26.73
3MHz	50%,low	1908.5	QPSK	20.30	25.60
3MHz	50% RB mid	1908.5	QPSK	20.33	25.59

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3MHz	50%,high	1908.5	QPSK	20.33	25.88
3MHz	100% RB	1908.5	QPSK	20.30	26.07
3MHz	1 RB low	1908.5	16QAM	20.21	25.17
3MHz	1 RB mid	1908.5	16QAM	20.52	25.46
3MHz	1 RB high	1908.5	16QAM	20.38	25.31
3MHz	50%,low	1908.5	16QAM	19.31	25.97
3MHz	50% RB mid	1908.5	16QAM	19.31	25.93
3MHz	50%,high	1908.5	16QAM	19.49	26.18
3MHz	100% RB	1908.5	16QAM	19.36	25.76
5MHz	1 RB low	1852.5	QPSK	20.98	26.00
5MHz	1 RB mid	1852.5	QPSK	21.26	26.27
5MHz	1 RB high	1852.5	QPSK	21.34	26.43
5MHz	50%,low	1852.5	QPSK	20.17	26.22
5MHz	50% RB mid	1852.5	QPSK	20.28	26.34
5MHz	50%,high	1852.5	QPSK	20.39	26.52
5MHz	100% RB	1852.5	QPSK	20.28	26.51
5MHz	1 RB low	1852.5	16QAM	19.96	25.37
5MHz	1 RB mid	1852.5	16QAM	20.28	25.69
5MHz	1 RB high	1852.5	16QAM	20.37	25.85
5MHz	50%,low	1852.5	16QAM	19.25	26.28
5MHz	50% RB mid	1852.5	16QAM	19.36	26.37
5MHz	50%,high	1852.5	16QAM	19.49	26.54
5MHz	100% RB	1852.5	16QAM	19.35	25.95
5MHz	1 RB low	1880	QPSK	20.95	26.70
5MHz	1 RB mid	1880	QPSK	21.13	26.77
5MHz	1 RB high	1880	QPSK	21.17	26.81
5MHz	50%,low	1880	QPSK	20.07	26.39
5MHz	50% RB mid	1880	QPSK	20.17	26.39
5MHz	50%,high	1880	QPSK	20.19	26.44
5MHz	100% RB	1880	QPSK	20.15	26.58
5MHz	1 RB low	1880	16QAM	20.10	26.31
5MHz	1 RB mid	1880	16QAM	20.36	26.48
5MHz	1 RB high	1880	16QAM	20.37	26.50
5MHz	50%,low	1880	16QAM	19.22	26.03
5MHz	50% RB mid	1880	16QAM	19.33	26.06
5MHz	50%,high	1880	16QAM	19.37	26.12
5MHz	100% RB	1880	16QAM	19.37	26.58
5MHz	1 RB low	1907.5	QPSK	21.05	26.13
5MHz	1 RB mid	1907.5	QPSK	21.29	26.22

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5MHz	1 RB high	1907.5	QPSK	21.38	26.25
5MHz	50%,low	1907.5	QPSK	20.31	26.96
5MHz	50% RB mid	1907.5	QPSK	20.37	26.83
5MHz	50%,high	1907.5	QPSK	20.44	26.91
5MHz	100% RB	1907.5	QPSK	20.36	26.23
5MHz	1 RB low	1907.5	16QAM	20.52	25.99
5MHz	1 RB mid	1907.5	16QAM	20.68	26.04
5MHz	1 RB high	1907.5	16QAM	20.75	26.09
5MHz	50%,low	1907.5	16QAM	19.38	26.19
5MHz	50% RB mid	1907.5	16QAM	19.45	26.14
5MHz	50%,high	1907.5	16QAM	19.51	26.23
5MHz	100% RB	1907.5	16QAM	19.37	26.19
10MHz	1 RB low	1855	QPSK	21.00	25.71
10MHz	1 RB mid	1855	QPSK	21.42	26.13
10MHz	1 RB high	1855	QPSK	21.15	26.08
10MHz	50%,low	1855	QPSK	20.46	26.37
10MHz	50% RB mid	1855	QPSK	20.59	26.53
10MHz	50%,high	1855	QPSK	20.50	26.65
10MHz	100% RB	1855	QPSK	20.49	27.15
10MHz	1 RB low	1880	QPSK	20.97	27.08
10MHz	1 RB mid	1880	QPSK	21.09	27.02
10MHz	1 RB high	1880	QPSK	21.35	27.22
10MHz	50%,low	1880	QPSK	20.18	26.61
10MHz	50% RB mid	1880	QPSK	20.25	26.60
10MHz	50%,high	1880	QPSK	20.35	26.75
10MHz	100% RB	1880	QPSK	20.23	26.42
10MHz	1 RB low	1905	QPSK	21.10	25.94
10MHz	1 RB mid	1905	QPSK	21.14	25.74
10MHz	1 RB high	1905	QPSK	21.22	25.79
10MHz	50%,low	1905	QPSK	20.17	26.24
10MHz	50% RB mid	1905	QPSK	20.17	26.27
10MHz	50%,high	1905	QPSK	20.22	26.36
10MHz	100% RB	1905	QPSK	20.29	26.50
15MHz	1 RB low	1857.5	QPSK	21.13	25.88
15MHz	1 RB mid	1857.5	QPSK	21.46	26.28
15MHz	1 RB high	1857.5	QPSK	21.09	26.07
15MHz	50%,low	1857.5	QPSK	20.57	26.84
15MHz	50% RB mid	1857.5	QPSK	20.57	26.89
15MHz	50%,high	1857.5	QPSK	20.44	26.91

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15MHz	100% RB	1857.5	QPSK	20.49	27.04
15MHz	1 RB low	1880	QPSK	20.61	26.63
15MHz	1 RB mid	1880	QPSK	21.18	26.93
15MHz	1 RB high	1880	QPSK	21.43	27.13
15MHz	50%,low	1880	QPSK	20.07	26.93
15MHz	50% RB mid	1880	QPSK	20.32	27.00
15MHz	50%,high	1880	QPSK	20.47	27.24
15MHz	100% RB	1880	QPSK	20.31	27.04
15MHz	1 RB low	1902.5	QPSK	21.21	27.15
15MHz	1 RB mid	1902.5	QPSK	21.17	26.90
15MHz	1 RB high	1902.5	QPSK	21.36	26.76
15MHz	50%,low	1902.5	QPSK	20.36	27.23
15MHz	50% RB mid	1902.5	QPSK	20.30	26.95
15MHz	50%,high	1902.5	QPSK	20.31	26.94
15MHz	100% RB	1902.5	QPSK	20.31	26.87
20MHz	1 RB low	1860	QPSK	21.23	26.70
20MHz	1 RB mid	1860	QPSK	21.53	27.18
20MHz	1 RB high	1860	QPSK	20.68	26.40
20MHz	50%,low	1860	QPSK	20.54	26.86
20MHz	50% RB mid	1860	QPSK	20.52	26.99
20MHz	50%,high	1860	QPSK	20.31	26.78
20MHz	100% RB	1860	QPSK	20.51	27.00
20MHz	1 RB low	1880	QPSK	20.78	26.29
20MHz	1 RB mid	1880	QPSK	21.09	26.38
20MHz	1 RB high	1880	QPSK	21.38	26.65
20MHz	50%,low	1880	QPSK	20.18	27.15
20MHz	50% RB mid	1880	QPSK	20.36	27.06
20MHz	50%,high	1880	QPSK	20.41	27.17
20MHz	100% RB	1880	QPSK	20.32	26.80
20MHz	1 RB low	1900	QPSK	21.45	27.08
20MHz	1 RB mid	1900	QPSK	21.43	27.00
20MHz	1 RB high	1900	QPSK	21.23	26.51
20MHz	50%,low	1900	QPSK	20.57	27.07
20MHz	50% RB mid	1900	QPSK	20.47	26.74
20MHz	50%,high	1900	QPSK	20.36	26.53
20MHz	100% RB	1900	QPSK	20.45	26.91

LTE band 4

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Avg Power (dBm)	Peak Power (dBm)
1.4MHz	1 RB low	1710.7	QPSK	21.76	27.97

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1.4MHz	1 RB mid	1710.7	QPSK	21.70	27.95
1.4MHz	1 RB high	1710.7	QPSK	21.78	27.98
1.4MHz	50%,low	1710.7	QPSK	21.70	27.32
1.4MHz	50% RB mid	1710.7	QPSK	21.66	27.25
1.4MHz	50%,high	1710.7	QPSK	21.69	27.32
1.4MHz	100% RB	1710.7	QPSK	20.81	27.61
1.4MHz	1 RB low	1710.7	16QAM	21.00	26.83
1.4MHz	1 RB mid	1710.7	16QAM	21.12	26.92
1.4MHz	1 RB high	1710.7	16QAM	21.07	26.93
1.4MHz	50%,low	1710.7	16QAM	21.00	28.36
1.4MHz	50% RB mid	1710.7	16QAM	21.10	28.44
1.4MHz	50%,high	1710.7	16QAM	21.08	28.43
1.4MHz	100% RB	1710.7	16QAM	19.95	27.38
1.4MHz	1 RB low	1732.5	QPSK	22.47	28.41
1.4MHz	1 RB mid	1732.5	QPSK	22.46	28.38
1.4MHz	1 RB high	1732.5	QPSK	22.46	28.36
1.4MHz	50%,low	1732.5	QPSK	22.36	28.41
1.4MHz	50% RB mid	1732.5	QPSK	22.36	28.39
1.4MHz	50%,high	1732.5	QPSK	22.35	28.40
1.4MHz	100% RB	1732.5	QPSK	21.47	27.30
1.4MHz	1 RB low	1732.5	16QAM	21.44	27.59
1.4MHz	1 RB mid	1732.5	16QAM	21.62	27.70
1.4MHz	1 RB high	1732.5	16QAM	21.59	27.73
1.4MHz	50%,low	1732.5	16QAM	21.52	27.84
1.4MHz	50% RB mid	1732.5	16QAM	21.54	27.88
1.4MHz	50%,high	1732.5	16QAM	21.58	27.87
1.4MHz	100% RB	1732.5	16QAM	20.70	26.88
1.4MHz	1 RB low	1754.3	QPSK	21.82	28.00
1.4MHz	1 RB mid	1754.3	QPSK	21.82	28.01
1.4MHz	1 RB high	1754.3	QPSK	21.82	27.99
1.4MHz	50%,low	1754.3	QPSK	21.76	27.61
1.4MHz	50% RB mid	1754.3	QPSK	21.78	27.58
1.4MHz	50%,high	1754.3	QPSK	21.79	27.60
1.4MHz	100% RB	1754.3	QPSK	20.84	26.78
1.4MHz	1 RB low	1754.3	16QAM	20.91	26.10
1.4MHz	1 RB mid	1754.3	16QAM	20.99	26.17
1.4MHz	1 RB high	1754.3	16QAM	20.94	26.14
1.4MHz	50%,low	1754.3	16QAM	20.86	27.31
1.4MHz	50% RB mid	1754.3	16QAM	20.90	27.32

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1.4MHz	50%,high	1754.3	16QAM	20.91	27.29
1.4MHz	100% RB	1754.3	16QAM	20.01	26.95
3MHz	1 RB low	1711.5	QPSK	21.60	26.55
3MHz	1 RB mid	1711.5	QPSK	21.64	26.57
3MHz	1 RB high	1711.5	QPSK	21.54	26.52
3MHz	50%,low	1711.5	QPSK	20.83	27.06
3MHz	50% RB mid	1711.5	QPSK	20.86	27.10
3MHz	50%,high	1711.5	QPSK	20.83	26.88
3MHz	100% RB	1711.5	QPSK	20.77	26.89
3MHz	1 RB low	1711.5	16QAM	20.91	26.68
3MHz	1 RB mid	1711.5	16QAM	21.10	26.98
3MHz	1 RB high	1711.5	16QAM	20.90	26.72
3MHz	50%,low	1711.5	16QAM	19.83	27.58
3MHz	50% RB mid	1711.5	16QAM	19.91	27.64
3MHz	50%,high	1711.5	16QAM	19.90	26.61
3MHz	100% RB	1711.5	16QAM	19.83	26.64
3MHz	1 RB low	1732.5	QPSK	22.28	28.23
3MHz	1 RB mid	1732.5	QPSK	22.47	28.36
3MHz	1 RB high	1732.5	QPSK	22.39	28.34
3MHz	50%,low	1732.5	QPSK	21.51	27.43
3MHz	50% RB mid	1732.5	QPSK	21.57	27.53
3MHz	50%,high	1732.5	QPSK	21.58	27.54
3MHz	100% RB	1732.5	QPSK	21.51	27.33
3MHz	1 RB low	1732.5	16QAM	21.42	27.56
3MHz	1 RB mid	1732.5	16QAM	21.67	27.77
3MHz	1 RB high	1732.5	16QAM	21.56	27.72
3MHz	50%,low	1732.5	16QAM	20.49	28.57
3MHz	50% RB mid	1732.5	16QAM	20.63	28.64
3MHz	50%,high	1732.5	16QAM	20.77	27.64
3MHz	100% RB	1732.5	16QAM	20.50	27.54
3MHz	1 RB low	1753.5	QPSK	21.70	27.90
3MHz	1 RB mid	1753.5	QPSK	21.81	28.00
3MHz	1 RB high	1753.5	QPSK	21.64	27.85
3MHz	50%,low	1753.5	QPSK	20.80	26.20
3MHz	50% RB mid	1753.5	QPSK	20.82	26.26
3MHz	50%,high	1753.5	QPSK	20.80	26.72
3MHz	100% RB	1753.5	QPSK	20.77	26.84
3MHz	1 RB low	1753.5	16QAM	20.79	25.99
3MHz	1 RB mid	1753.5	16QAM	20.98	26.20

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3MHz	1 RB high	1753.5	16QAM	20.78	25.99
3MHz	50%,low	1753.5	16QAM	19.94	27.01
3MHz	50% RB mid	1753.5	16QAM	19.97	27.05
3MHz	50%,high	1753.5	16QAM	20.13	27.23
3MHz	100% RB	1753.5	16QAM	19.92	26.49
5MHz	1 RB low	1712.5	QPSK	21.94	27.24
5MHz	1 RB mid	1712.5	QPSK	21.93	27.23
5MHz	1 RB high	1712.5	QPSK	21.86	27.17
5MHz	50%,low	1712.5	QPSK	21.10	27.51
5MHz	50% RB mid	1712.5	QPSK	21.04	27.46
5MHz	50%,high	1712.5	QPSK	20.99	27.46
5MHz	100% RB	1712.5	QPSK	21.03	27.31
5MHz	1 RB low	1712.5	16QAM	21.01	26.62
5MHz	1 RB mid	1712.5	16QAM	20.98	26.59
5MHz	1 RB high	1712.5	16QAM	20.88	26.52
5MHz	50%,low	1712.5	16QAM	20.15	27.54
5MHz	50% RB mid	1712.5	16QAM	20.12	27.55
5MHz	50%,high	1712.5	16QAM	20.08	27.51
5MHz	100% RB	1712.5	16QAM	20.11	27.12
5MHz	1 RB low	1732.5	QPSK	22.45	28.31
5MHz	1 RB mid	1732.5	QPSK	22.58	28.38
5MHz	1 RB high	1732.5	QPSK	22.52	28.38
5MHz	50%,low	1732.5	QPSK	21.55	27.98
5MHz	50% RB mid	1732.5	QPSK	21.60	28.04
5MHz	50%,high	1732.5	QPSK	21.67	28.08
5MHz	100% RB	1732.5	QPSK	21.58	28.25
5MHz	1 RB low	1732.5	16QAM	21.59	27.93
5MHz	1 RB mid	1732.5	16QAM	21.78	28.06
5MHz	1 RB high	1732.5	16QAM	21.77	28.07
5MHz	50%,low	1732.5	16QAM	20.54	27.50
5MHz	50% RB mid	1732.5	16QAM	20.60	27.51
5MHz	50%,high	1732.5	16QAM	20.68	27.60
5MHz	100% RB	1732.5	16QAM	20.65	27.83
5MHz	1 RB low	1752.5	QPSK	21.94	27.35
5MHz	1 RB mid	1752.5	QPSK	21.89	27.26
5MHz	1 RB high	1752.5	QPSK	21.82	27.22
5MHz	50%,low	1752.5	QPSK	20.92	27.70
5MHz	50% RB mid	1752.5	QPSK	20.90	27.69
5MHz	50%,high	1752.5	QPSK	20.90	27.77

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5MHz	100% RB	1752.5	QPSK	20.92	27.08
5MHz	1 RB low	1752.5	16QAM	21.25	27.02
5MHz	1 RB mid	1752.5	16QAM	21.24	26.97
5MHz	1 RB high	1752.5	16QAM	21.18	26.94
5MHz	50%,low	1752.5	16QAM	20.17	27.17
5MHz	50% RB mid	1752.5	16QAM	20.17	27.15
5MHz	50%,high	1752.5	16QAM	20.16	27.20
5MHz	100% RB	1752.5	16QAM	20.11	26.98
10MHz	1 RB low	1715	QPSK	22.04	26.98
10MHz	1 RB mid	1715	QPSK	21.97	26.84
10MHz	1 RB high	1715	QPSK	21.92	26.87
10MHz	50%,low	1715	QPSK	21.12	27.19
10MHz	50% RB mid	1715	QPSK	21.06	27.26
10MHz	50%,high	1715	QPSK	21.06	27.35
10MHz	100% RB	1715	QPSK	21.08	28.01
10MHz	1 RB low	1732.5	QPSK	22.45	28.67
10MHz	1 RB mid	1732.5	QPSK	22.61	28.69
10MHz	1 RB high	1732.5	QPSK	22.64	28.75
10MHz	50%,low	1732.5	QPSK	21.62	28.16
10MHz	50% RB mid	1732.5	QPSK	21.73	28.24
10MHz	50%,high	1732.5	QPSK	21.77	28.32
10MHz	100% RB	1732.5	QPSK	21.67	27.94
10MHz	1 RB low	1750	QPSK	22.07	26.99
10MHz	1 RB mid	1750	QPSK	21.91	26.75
10MHz	1 RB high	1750	QPSK	21.85	26.74
10MHz	50%,low	1750	QPSK	21.03	27.11
10MHz	50% RB mid	1750	QPSK	20.98	27.12
10MHz	50%,high	1750	QPSK	21.04	27.40
10MHz	100% RB	1750	QPSK	21.08	27.72
15MHz	1 RB low	1717.5	QPSK	21.90	26.87
15MHz	1 RB mid	1717.5	QPSK	22.03	26.93
15MHz	1 RB high	1717.5	QPSK	22.16	27.09
15MHz	50%,low	1717.5	QPSK	21.10	27.75
15MHz	50% RB mid	1717.5	QPSK	21.08	27.60
15MHz	50%,high	1717.5	QPSK	21.14	27.77
15MHz	100% RB	1717.5	QPSK	21.11	27.89
15MHz	1 RB low	1732.5	QPSK	22.30	28.35
15MHz	1 RB mid	1732.5	QPSK	22.71	28.59
15MHz	1 RB high	1732.5	QPSK	22.57	28.51

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15MHz	50%,low	1732.5	QPSK	21.52	28.54
15MHz	50% RB mid	1732.5	QPSK	21.69	28.54
15MHz	50%,high	1732.5	QPSK	21.76	28.73
15MHz	100% RB	1732.5	QPSK	21.63	28.26
15MHz	1 RB low	1747.5	QPSK	22.33	28.35
15MHz	1 RB mid	1747.5	QPSK	22.23	28.17
15MHz	1 RB high	1747.5	QPSK	22.05	28.04
15MHz	50%,low	1747.5	QPSK	21.28	28.28
15MHz	50% RB mid	1747.5	QPSK	21.24	28.13
15MHz	50%,high	1747.5	QPSK	21.17	28.19
15MHz	100% RB	1747.5	QPSK	21.20	27.81
20MHz	1 RB low	1720	QPSK	22.08	27.66
20MHz	1 RB mid	1720	QPSK	22.00	27.51
20MHz	1 RB high	1720	QPSK	22.33	27.84
20MHz	50%,low	1720	QPSK	21.02	28.12
20MHz	50% RB mid	1720	QPSK	21.06	28.13
20MHz	50%,high	1720	QPSK	21.19	28.32
20MHz	100% RB	1720	QPSK	21.10	27.70
20MHz	1 RB low	1732.5	QPSK	22.31	28.12
20MHz	1 RB mid	1732.5	QPSK	22.69	28.32
20MHz	1 RB high	1732.5	QPSK	22.35	28.06
20MHz	50%,low	1732.5	QPSK	21.51	28.24
20MHz	50% RB mid	1732.5	QPSK	21.70	28.24
20MHz	50%,high	1732.5	QPSK	21.75	28.17
20MHz	100% RB	1732.5	QPSK	21.71	28.57
20MHz	1 RB low	1745	QPSK	22.47	27.97
20MHz	1 RB mid	1745	QPSK	22.27	27.68
20MHz	1 RB high	1745	QPSK	22.02	27.51
20MHz	50%,low	1745	QPSK	21.38	28.36
20MHz	50% RB mid	1745	QPSK	21.28	28.19
20MHz	50%,high	1745	QPSK	21.21	28.22
20MHz	100% RB	1745	QPSK	21.29	27.77

LTE band 5

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Avg Power (dBm)	Peak Power (dBm)
1.4MHz	1 RB low	824.7	QPSK	22.79	28.42
1.4MHz	1 RB mid	824.7	QPSK	22.84	28.42
1.4MHz	1 RB high	824.7	QPSK	22.87	28.47
1.4MHz	50%,low	824.7	QPSK	22.81	28.58
1.4MHz	50% RB mid	824.7	QPSK	22.80	28.53

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1.4MHz	50%,high	824.7	QPSK	22.79	28.56
1.4MHz	100% RB	824.7	QPSK	21.87	27.82
1.4MHz	1 RB low	824.7	16QAM	21.86	27.82
1.4MHz	1 RB mid	824.7	16QAM	22.03	27.90
1.4MHz	1 RB high	824.7	16QAM	21.99	27.93
1.4MHz	50%,low	824.7	16QAM	21.96	28.14
1.4MHz	50% RB mid	824.7	16QAM	22.00	28.16
1.4MHz	50%,high	824.7	16QAM	22.08	28.23
1.4MHz	100% RB	824.7	16QAM	21.11	27.23
1.4MHz	1 RB low	836.5	QPSK	22.77	28.85
1.4MHz	1 RB mid	836.5	QPSK	22.82	28.83
1.4MHz	1 RB high	836.5	QPSK	22.82	28.79
1.4MHz	50%,low	836.5	QPSK	22.87	28.66
1.4MHz	50% RB mid	836.5	QPSK	22.85	28.61
1.4MHz	50%,high	836.5	QPSK	22.85	28.58
1.4MHz	100% RB	836.5	QPSK	21.95	27.96
1.4MHz	1 RB low	836.5	16QAM	22.06	27.29
1.4MHz	1 RB mid	836.5	16QAM	22.12	27.30
1.4MHz	1 RB high	836.5	16QAM	22.06	27.28
1.4MHz	50%,low	836.5	16QAM	22.01	28.39
1.4MHz	50% RB mid	836.5	16QAM	22.03	28.39
1.4MHz	50%,high	836.5	16QAM	22.03	28.36
1.4MHz	100% RB	836.5	16QAM	21.08	28.06
1.4MHz	1 RB low	848.3	QPSK	23.07	28.73
1.4MHz	1 RB mid	848.3	QPSK	23.05	28.77
1.4MHz	1 RB high	848.3	QPSK	23.05	28.77
1.4MHz	50%,low	848.3	QPSK	23.00	28.39
1.4MHz	50% RB mid	848.3	QPSK	23.03	28.38
1.4MHz	50%,high	848.3	QPSK	22.99	28.40
1.4MHz	100% RB	848.3	QPSK	22.17	28.74
1.4MHz	1 RB low	848.3	16QAM	22.35	27.97
1.4MHz	1 RB mid	848.3	16QAM	22.41	28.00
1.4MHz	1 RB high	848.3	16QAM	22.36	28.01
1.4MHz	50%,low	848.3	16QAM	22.34	29.12
1.4MHz	50% RB mid	848.3	16QAM	22.35	29.10
1.4MHz	50%,high	848.3	16QAM	22.34	29.15
1.4MHz	100% RB	848.3	16QAM	21.17	28.32
3MHz	1 RB low	825.5	QPSK	22.47	27.32
3MHz	1 RB mid	825.5	QPSK	22.78	27.57

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3MHz	1 RB high	825.5	QPSK	22.60	27.48
3MHz	50%,low	825.5	QPSK	21.88	28.01
3MHz	50% RB mid	825.5	QPSK	21.98	28.12
3MHz	50%,high	825.5	QPSK	21.98	27.90
3MHz	100% RB	825.5	QPSK	21.87	28.00
3MHz	1 RB low	825.5	16QAM	21.92	27.52
3MHz	1 RB mid	825.5	16QAM	22.22	27.88
3MHz	1 RB high	825.5	16QAM	22.09	27.76
3MHz	50%,low	825.5	16QAM	20.98	28.38
3MHz	50% RB mid	825.5	16QAM	21.10	28.47
3MHz	50%,high	825.5	16QAM	21.10	27.68
3MHz	100% RB	825.5	16QAM	20.99	27.79
3MHz	1 RB low	836.5	QPSK	22.73	28.69
3MHz	1 RB mid	836.5	QPSK	22.89	28.68
3MHz	1 RB high	836.5	QPSK	22.69	28.51
3MHz	50%,low	836.5	QPSK	21.98	28.10
3MHz	50% RB mid	836.5	QPSK	21.95	28.09
3MHz	50%,high	836.5	QPSK	21.95	28.02
3MHz	100% RB	836.5	QPSK	21.91	27.76
3MHz	1 RB low	836.5	16QAM	21.99	28.15
3MHz	1 RB mid	836.5	16QAM	22.09	28.16
3MHz	1 RB high	836.5	16QAM	21.86	27.97
3MHz	50%,low	836.5	16QAM	21.10	29.05
3MHz	50% RB mid	836.5	16QAM	21.14	29.03
3MHz	50%,high	836.5	16QAM	21.15	28.02
3MHz	100% RB	836.5	16QAM	20.90	27.98
3MHz	1 RB low	847.5	QPSK	22.85	28.62
3MHz	1 RB mid	847.5	QPSK	23.03	28.78
3MHz	1 RB high	847.5	QPSK	22.86	28.72
3MHz	50%,low	847.5	QPSK	22.17	27.60
3MHz	50% RB mid	847.5	QPSK	22.07	27.51
3MHz	50%,high	847.5	QPSK	22.08	27.90
3MHz	100% RB	847.5	QPSK	22.02	27.99
3MHz	1 RB low	847.5	16QAM	22.00	27.13
3MHz	1 RB mid	847.5	16QAM	22.26	27.42
3MHz	1 RB high	847.5	16QAM	22.08	27.25
3MHz	50%,low	847.5	16QAM	21.12	28.03
3MHz	50% RB mid	847.5	16QAM	21.16	28.08
3MHz	50%,high	847.5	16QAM	21.34	28.27

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3MHz	100% RB	847.5	16QAM	21.18	27.74
5MHz	1 RB low	826.5	QPSK	22.93	28.00
5MHz	1 RB mid	826.5	QPSK	23.08	28.18
5MHz	1 RB high	826.5	QPSK	23.06	28.28
5MHz	50%,low	826.5	QPSK	22.09	28.34
5MHz	50% RB mid	826.5	QPSK	22.17	28.41
5MHz	50%,high	826.5	QPSK	22.17	28.48
5MHz	100% RB	826.5	QPSK	22.14	28.29
5MHz	1 RB low	826.5	16QAM	21.99	27.47
5MHz	1 RB mid	826.5	16QAM	22.16	27.63
5MHz	1 RB high	826.5	16QAM	22.20	27.75
5MHz	50%,low	826.5	16QAM	21.26	28.39
5MHz	50% RB mid	826.5	16QAM	21.33	28.44
5MHz	50%,high	826.5	16QAM	21.36	28.51
5MHz	100% RB	826.5	16QAM	21.31	28.30
5MHz	1 RB low	836.5	QPSK	23.16	28.94
5MHz	1 RB mid	836.5	QPSK	22.94	28.64
5MHz	1 RB high	836.5	QPSK	22.85	28.46
5MHz	50%,low	836.5	QPSK	22.11	28.70
5MHz	50% RB mid	836.5	QPSK	22.04	28.62
5MHz	50%,high	836.5	QPSK	21.98	28.52
5MHz	100% RB	836.5	QPSK	22.02	28.78
5MHz	1 RB low	836.5	16QAM	22.34	28.63
5MHz	1 RB mid	836.5	16QAM	22.18	28.39
5MHz	1 RB high	836.5	16QAM	22.03	28.20
5MHz	50%,low	836.5	16QAM	21.21	28.22
5MHz	50% RB mid	836.5	16QAM	21.16	28.14
5MHz	50%,high	836.5	16QAM	21.12	28.08
5MHz	100% RB	836.5	16QAM	21.20	28.51
5MHz	1 RB low	846.5	QPSK	23.18	28.18
5MHz	1 RB mid	846.5	QPSK	23.32	28.33
5MHz	1 RB high	846.5	QPSK	23.25	28.35
5MHz	50%,low	846.5	QPSK	22.22	28.80
5MHz	50% RB mid	846.5	QPSK	22.25	28.84
5MHz	50%,high	846.5	QPSK	22.29	28.95
5MHz	100% RB	846.5	QPSK	22.26	28.18
5MHz	1 RB low	846.5	16QAM	22.52	28.01
5MHz	1 RB mid	846.5	16QAM	22.65	28.16
5MHz	1 RB high	846.5	16QAM	22.59	28.17

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5MHz	50%,low	846.5	16QAM	21.40	28.20
5MHz	50% RB mid	846.5	16QAM	21.44	28.28
5MHz	50%,high	846.5	16QAM	21.37	28.28
5MHz	100% RB	846.5	16QAM	21.28	28.08
10MHz	1 RB low	829	QPSK	22.94	28.56
10MHz	1 RB mid	829	QPSK	23.24	28.98
10MHz	1 RB high	829	QPSK	23.25	29.10
10MHz	50%,low	829	QPSK	22.11	28.45
10MHz	50% RB mid	829	QPSK	22.17	28.58
10MHz	50%,high	829	QPSK	22.23	28.67
10MHz	100% RB	829	QPSK	22.24	29.05
10MHz	1 RB low	836.5	QPSK	23.14	29.33
10MHz	1 RB mid	836.5	QPSK	22.94	28.94
10MHz	1 RB high	836.5	QPSK	22.74	28.53
10MHz	50%,low	836.5	QPSK	22.14	28.68
10MHz	50% RB mid	836.5	QPSK	22.01	28.40
10MHz	50%,high	836.5	QPSK	21.84	28.26
10MHz	100% RB	836.5	QPSK	22.06	28.78
10MHz	1 RB low	844	QPSK	23.04	27.86
10MHz	1 RB mid	844	QPSK	23.19	27.84
10MHz	1 RB high	844	QPSK	23.19	27.97
10MHz	50%,low	844	QPSK	22.19	28.11
10MHz	50% RB mid	844	QPSK	22.18	28.13
10MHz	50%,high	844	QPSK	22.22	28.48
10MHz	100% RB	844	QPSK	22.17	28.63

LTE band 12

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Avg Power (dBm)	Peak Power (dBm)
1.4MHz	1 RB low	699.7	QPSK	23.16	29.07
1.4MHz	1 RB mid	699.7	QPSK	23.46	29.23
1.4MHz	1 RB high	699.7	QPSK	23.56	29.27
1.4MHz	50%,low	699.7	QPSK	23.34	29.32
1.4MHz	50% RB mid	699.7	QPSK	23.48	29.37
1.4MHz	50%,high	699.7	QPSK	23.53	29.41
1.4MHz	100% RB	699.7	QPSK	22.49	28.50
1.4MHz	1 RB low	699.7	16QAM	22.41	28.49
1.4MHz	1 RB mid	699.7	16QAM	22.68	28.64
1.4MHz	1 RB high	699.7	16QAM	22.69	28.66
1.4MHz	50%,low	699.7	16QAM	22.46	28.71
1.4MHz	50% RB mid	699.7	16QAM	22.57	28.78

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1.4MHz	50%,high	699.7	16QAM	22.71	28.91
1.4MHz	100% RB	699.7	16QAM	21.74	27.98
1.4MHz	1 RB low	707.5	QPSK	22.78	28.91
1.4MHz	1 RB mid	707.5	QPSK	22.83	28.94
1.4MHz	1 RB high	707.5	QPSK	22.94	28.99
1.4MHz	50%,low	707.5	QPSK	22.86	28.67
1.4MHz	50% RB mid	707.5	QPSK	22.82	28.61
1.4MHz	50%,high	707.5	QPSK	22.89	28.67
1.4MHz	100% RB	707.5	QPSK	21.96	27.93
1.4MHz	1 RB low	707.5	16QAM	22.06	27.24
1.4MHz	1 RB mid	707.5	16QAM	22.11	27.25
1.4MHz	1 RB high	707.5	16QAM	22.17	27.34
1.4MHz	50%,low	707.5	16QAM	22.01	28.42
1.4MHz	50% RB mid	707.5	16QAM	22.01	28.41
1.4MHz	50%,high	707.5	16QAM	22.04	28.41
1.4MHz	100% RB	707.5	16QAM	21.13	28.03
1.4MHz	1 RB low	715.3	QPSK	23.61	28.83
1.4MHz	1 RB mid	715.3	QPSK	23.55	28.74
1.4MHz	1 RB high	715.3	QPSK	23.53	28.71
1.4MHz	50%,low	715.3	QPSK	23.64	28.60
1.4MHz	50% RB mid	715.3	QPSK	23.60	28.50
1.4MHz	50%,high	715.3	QPSK	23.51	28.50
1.4MHz	100% RB	715.3	QPSK	22.72	28.81
1.4MHz	1 RB low	715.3	16QAM	22.96	28.23
1.4MHz	1 RB mid	715.3	16QAM	22.90	28.12
1.4MHz	1 RB high	715.3	16QAM	22.82	28.09
1.4MHz	50%,low	715.3	16QAM	22.94	29.19
1.4MHz	50% RB mid	715.3	16QAM	22.89	29.05
1.4MHz	50%,high	715.3	16QAM	22.69	29.01
1.4MHz	100% RB	715.3	16QAM	21.70	28.68
3MHz	1 RB low	700.5	QPSK	23.03	28.97
3MHz	1 RB mid	700.5	QPSK	23.62	29.21
3MHz	1 RB high	700.5	QPSK	23.55	29.26
3MHz	50%,low	700.5	QPSK	22.52	28.32
3MHz	50% RB mid	700.5	QPSK	22.59	28.39
3MHz	50%,high	700.5	QPSK	22.60	28.39
3MHz	100% RB	700.5	QPSK	22.48	28.36
3MHz	1 RB low	700.5	16QAM	22.28	28.35
3MHz	1 RB mid	700.5	16QAM	22.79	28.69

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3MHz	1 RB high	700.5	16QAM	22.72	28.67
3MHz	50%,low	700.5	16QAM	21.65	29.27
3MHz	50% RB mid	700.5	16QAM	21.82	29.24
3MHz	50%,high	700.5	16QAM	21.97	28.73
3MHz	100% RB	700.5	16QAM	21.67	28.40
3MHz	1 RB low	707.5	QPSK	22.84	28.97
3MHz	1 RB mid	707.5	QPSK	22.84	28.94
3MHz	1 RB high	707.5	QPSK	22.95	29.01
3MHz	50%,low	707.5	QPSK	21.96	27.48
3MHz	50% RB mid	707.5	QPSK	21.98	27.53
3MHz	50%,high	707.5	QPSK	22.03	27.93
3MHz	100% RB	707.5	QPSK	21.96	27.98
3MHz	1 RB low	707.5	16QAM	22.00	27.18
3MHz	1 RB mid	707.5	16QAM	22.08	27.30
3MHz	1 RB high	707.5	16QAM	22.08	27.27
3MHz	50%,low	707.5	16QAM	21.06	28.07
3MHz	50% RB mid	707.5	16QAM	21.09	28.12
3MHz	50%,high	707.5	16QAM	21.31	28.40
3MHz	100% RB	707.5	16QAM	21.15	27.73
3MHz	1 RB low	714.5	QPSK	23.37	27.99
3MHz	1 RB mid	714.5	QPSK	23.63	28.07
3MHz	1 RB high	714.5	QPSK	23.27	27.78
3MHz	50%,low	714.5	QPSK	22.76	28.60
3MHz	50% RB mid	714.5	QPSK	22.80	28.58
3MHz	50%,high	714.5	QPSK	22.74	28.27
3MHz	100% RB	714.5	QPSK	22.69	28.60
3MHz	1 RB low	714.5	16QAM	22.88	28.23
3MHz	1 RB mid	714.5	16QAM	23.04	28.32
3MHz	1 RB high	714.5	16QAM	22.71	27.99
3MHz	50%,low	714.5	16QAM	21.83	28.87
3MHz	50% RB mid	714.5	16QAM	21.75	28.73
3MHz	50%,high	714.5	16QAM	21.77	28.01
3MHz	100% RB	714.5	16QAM	21.70	28.29
5MHz	1 RB low	701.5	QPSK	23.36	28.70
5MHz	1 RB mid	701.5	QPSK	23.79	28.92
5MHz	1 RB high	701.5	QPSK	23.55	28.79
5MHz	50%,low	701.5	QPSK	22.66	29.48
5MHz	50% RB mid	701.5	QPSK	22.74	29.50
5MHz	50%,high	701.5	QPSK	22.77	29.56

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5MHz	100% RB	701.5	QPSK	22.76	28.62
5MHz	1 RB low	701.5	16QAM	22.79	28.48
5MHz	1 RB mid	701.5	16QAM	23.32	28.84
5MHz	1 RB high	701.5	16QAM	23.15	28.77
5MHz	50%,low	701.5	16QAM	21.94	28.75
5MHz	50% RB mid	701.5	16QAM	22.06	28.84
5MHz	50%,high	701.5	16QAM	22.11	28.94
5MHz	100% RB	701.5	16QAM	21.95	28.67
5MHz	1 RB low	707.5	QPSK	23.24	28.44
5MHz	1 RB mid	707.5	QPSK	22.98	28.19
5MHz	1 RB high	707.5	QPSK	23.16	28.33
5MHz	50%,low	707.5	QPSK	22.09	28.48
5MHz	50% RB mid	707.5	QPSK	22.04	28.45
5MHz	50%,high	707.5	QPSK	22.10	28.45
5MHz	100% RB	707.5	QPSK	22.10	28.33
5MHz	1 RB low	707.5	16QAM	22.23	27.81
5MHz	1 RB mid	707.5	16QAM	21.97	27.52
5MHz	1 RB high	707.5	16QAM	22.22	27.72
5MHz	50%,low	707.5	16QAM	21.26	28.56
5MHz	50% RB mid	707.5	16QAM	21.22	28.50
5MHz	50%,high	707.5	16QAM	21.29	28.52
5MHz	100% RB	707.5	16QAM	21.26	28.30
5MHz	1 RB low	713.5	QPSK	23.46	28.91
5MHz	1 RB mid	713.5	QPSK	23.85	28.92
5MHz	1 RB high	713.5	QPSK	23.58	28.62
5MHz	50%,low	713.5	QPSK	22.60	28.81
5MHz	50% RB mid	713.5	QPSK	22.80	28.79
5MHz	50%,high	713.5	QPSK	22.85	28.81
5MHz	100% RB	713.5	QPSK	22.72	29.02
5MHz	1 RB low	713.5	16QAM	22.57	28.58
5MHz	1 RB mid	713.5	16QAM	23.00	28.65
5MHz	1 RB high	713.5	16QAM	22.79	28.40
5MHz	50%,low	713.5	16QAM	21.76	28.39
5MHz	50% RB mid	713.5	16QAM	21.95	28.45
5MHz	50%,high	713.5	16QAM	22.01	28.46
5MHz	100% RB	713.5	16QAM	21.92	28.87
10MHz	1 RB low	704	QPSK	23.12	28.03
10MHz	1 RB mid	704	QPSK	23.31	28.11
10MHz	1 RB high	704	QPSK	22.91	27.81

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10MHz	50%,low	704	QPSK	22.50	28.57
10MHz	50% RB mid	704	QPSK	22.51	28.68
10MHz	50%,high	704	QPSK	22.13	28.41
10MHz	100% RB	704	QPSK	22.48	29.44
10MHz	1 RB low	707.5	QPSK	23.67	29.56
10MHz	1 RB mid	707.5	QPSK	22.90	28.97
10MHz	1 RB high	707.5	QPSK	23.45	29.05
10MHz	50%,low	707.5	QPSK	22.38	28.88
10MHz	50% RB mid	707.5	QPSK	22.27	28.82
10MHz	50%,high	707.5	QPSK	22.37	28.77
10MHz	100% RB	707.5	QPSK	22.42	28.91
10MHz	1 RB low	711	QPSK	22.92	27.84
10MHz	1 RB mid	711	QPSK	23.19	27.92
10MHz	1 RB high	711	QPSK	23.51	27.97
10MHz	50%,low	711	QPSK	22.12	28.20
10MHz	50% RB mid	711	QPSK	22.40	28.36
10MHz	50%,high	711	QPSK	22.73	28.77
10MHz	100% RB	711	QPSK	22.49	29.02

LTE band 13

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Avg Power (dBm)	Peak Power (dBm)
5MHz	1 RB low	779.5	QPSK	23.09	27.73
5MHz	1 RB mid	779.5	QPSK	23.11	27.99
5MHz	1 RB high	779.5	QPSK	23.06	27.94
5MHz	50%,low	779.5	QPSK	22.00	27.88
5MHz	50% RB mid	779.5	QPSK	22.17	28.09
5MHz	50%,high	779.5	QPSK	22.18	28.19
5MHz	100% RB	779.5	QPSK	22.12	28.12
5MHz	1 RB low	779.5	16QAM	22.03	27.11
5MHz	1 RB mid	779.5	16QAM	22.18	27.43
5MHz	1 RB high	779.5	16QAM	22.23	27.43
5MHz	50%,low	779.5	16QAM	21.08	27.93
5MHz	50% RB mid	779.5	16QAM	21.19	28.03
5MHz	50%,high	779.5	16QAM	21.24	28.15
5MHz	100% RB	779.5	16QAM	21.17	27.58
5MHz	1 RB low	782	QPSK	23.28	28.55
5MHz	1 RB mid	782	QPSK	23.18	28.38
5MHz	1 RB high	782	QPSK	23.00	28.47
5MHz	50%,low	782	QPSK	22.44	28.39
5MHz	50% RB mid	782	QPSK	22.25	28.13

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5MHz	50%,high	782	QPSK	22.16	28.17
5MHz	100% RB	782	QPSK	22.24	28.45
5MHz	1 RB low	782	16QAM	22.50	28.28
5MHz	1 RB mid	782	16QAM	22.36	28.09
5MHz	1 RB high	782	16QAM	22.20	28.14
5MHz	50%,low	782	16QAM	21.46	27.99
5MHz	50% RB mid	782	16QAM	21.35	27.81
5MHz	50%,high	782	16QAM	21.27	27.80
5MHz	100% RB	782	16QAM	21.39	28.39
5MHz	1 RB low	784.5	QPSK	23.23	28.10
5MHz	1 RB mid	784.5	QPSK	23.14	28.19
5MHz	1 RB high	784.5	QPSK	23.28	28.37
5MHz	50%,low	784.5	QPSK	22.19	28.71
5MHz	50% RB mid	784.5	QPSK	22.20	28.72
5MHz	50%,high	784.5	QPSK	22.24	28.89
5MHz	100% RB	784.5	QPSK	22.18	28.15
5MHz	1 RB low	784.5	16QAM	22.51	27.85
5MHz	1 RB mid	784.5	16QAM	22.49	27.95
5MHz	1 RB high	784.5	16QAM	22.51	28.02
5MHz	50%,low	784.5	16QAM	21.38	28.10
5MHz	50% RB mid	784.5	16QAM	21.41	28.08
5MHz	50%,high	784.5	16QAM	21.45	28.23
5MHz	100% RB	784.5	16QAM	21.36	28.16
10MHz	1 RB low	782	QPSK	23.11	27.50
10MHz	1 RB mid	782	QPSK	22.99	27.49
10MHz	1 RB high	782	QPSK	23.01	27.69
10MHz	50%,low	782	QPSK	22.26	27.93
10MHz	50% RB mid	782	QPSK	22.27	28.09
10MHz	50%,high	782	QPSK	22.15	28.33
10MHz	100% RB	782	QPSK	22.21	28.57

LTE band 66

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Avg Power (dBm)	Peak Power (dBm)
1.4MHz	1 RB low	1710.7	QPSK	21.96	28.06
1.4MHz	1 RB mid	1710.7	QPSK	22.07	28.17
1.4MHz	1 RB high	1710.7	QPSK	22.00	28.09
1.4MHz	50%,low	1710.7	QPSK	21.87	27.42
1.4MHz	50% RB mid	1710.7	QPSK	21.98	27.47
1.4MHz	50%,high	1710.7	QPSK	21.91	27.46
1.4MHz	100% RB	1710.7	QPSK	21.04	27.74

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1.4MHz	1 RB low	1710.7	16QAM	21.20	26.98
1.4MHz	1 RB mid	1710.7	16QAM	21.27	27.03
1.4MHz	1 RB high	1710.7	16QAM	21.22	27.04
1.4MHz	50%,low	1710.7	16QAM	21.16	28.43
1.4MHz	50% RB mid	1710.7	16QAM	21.17	28.43
1.4MHz	50%,high	1710.7	16QAM	21.14	28.42
1.4MHz	100% RB	1710.7	16QAM	20.11	27.34
1.4MHz	1 RB low	1745	QPSK	22.20	28.13
1.4MHz	1 RB mid	1745	QPSK	22.15	28.07
1.4MHz	1 RB high	1745	QPSK	22.15	28.06
1.4MHz	50%,low	1745	QPSK	22.10	28.19
1.4MHz	50% RB mid	1745	QPSK	22.11	28.15
1.4MHz	50%,high	1745	QPSK	22.07	28.15
1.4MHz	100% RB	1745	QPSK	21.07	27.03
1.4MHz	1 RB low	1745	16QAM	21.16	27.32
1.4MHz	1 RB mid	1745	16QAM	21.23	27.31
1.4MHz	1 RB high	1745	16QAM	21.19	27.34
1.4MHz	50%,low	1745	16QAM	21.16	27.45
1.4MHz	50% RB mid	1745	16QAM	21.19	27.49
1.4MHz	50%,high	1745	16QAM	21.22	27.52
1.4MHz	100% RB	1745	16QAM	20.22	26.50
1.4MHz	1 RB low	1779.3	QPSK	22.23	28.29
1.4MHz	1 RB mid	1779.3	QPSK	22.18	28.25
1.4MHz	1 RB high	1779.3	QPSK	22.18	28.23
1.4MHz	50%,low	1779.3	QPSK	22.14	27.89
1.4MHz	50% RB mid	1779.3	QPSK	22.09	27.81
1.4MHz	50%,high	1779.3	QPSK	22.08	27.80
1.4MHz	100% RB	1779.3	QPSK	21.17	27.14
1.4MHz	1 RB low	1779.3	16QAM	21.26	26.42
1.4MHz	1 RB mid	1779.3	16QAM	21.32	26.46
1.4MHz	1 RB high	1779.3	16QAM	21.26	26.42
1.4MHz	50%,low	1779.3	16QAM	21.22	27.56
1.4MHz	50% RB mid	1779.3	16QAM	21.24	27.56
1.4MHz	50%,high	1779.3	16QAM	21.26	27.57
1.4MHz	100% RB	1779.3	16QAM	20.19	27.08
3MHz	1 RB low	1711.5	QPSK	21.76	27.96
3MHz	1 RB mid	1711.5	QPSK	21.90	28.11
3MHz	1 RB high	1711.5	QPSK	21.76	28.00
3MHz	50%,low	1711.5	QPSK	20.91	26.60

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3MHz	50% RB mid	1711.5	QPSK	20.96	26.69
3MHz	50%,high	1711.5	QPSK	20.96	26.97
3MHz	100% RB	1711.5	QPSK	20.91	26.96
3MHz	1 RB low	1711.5	16QAM	20.86	26.08
3MHz	1 RB mid	1711.5	16QAM	21.07	26.30
3MHz	1 RB high	1711.5	16QAM	20.89	26.14
3MHz	50%,low	1711.5	16QAM	19.95	27.06
3MHz	50% RB mid	1711.5	16QAM	20.00	27.09
3MHz	50%,high	1711.5	16QAM	20.19	27.45
3MHz	100% RB	1711.5	16QAM	20.04	26.76
3MHz	1 RB low	1745	QPSK	22.00	26.88
3MHz	1 RB mid	1745	QPSK	22.07	26.91
3MHz	1 RB high	1745	QPSK	21.89	26.76
3MHz	50%,low	1745	QPSK	21.09	27.21
3MHz	50% RB mid	1745	QPSK	21.12	27.23
3MHz	50%,high	1745	QPSK	21.11	27.14
3MHz	100% RB	1745	QPSK	21.06	27.24
3MHz	1 RB low	1745	16QAM	21.23	26.94
3MHz	1 RB mid	1745	16QAM	21.35	27.12
3MHz	1 RB high	1745	16QAM	21.20	26.92
3MHz	50%,low	1745	16QAM	20.10	27.70
3MHz	50% RB mid	1745	16QAM	20.14	27.68
3MHz	50%,high	1745	16QAM	20.19	26.98
3MHz	100% RB	1745	16QAM	20.13	26.83
3MHz	1 RB low	1778.5	QPSK	22.13	28.05
3MHz	1 RB mid	1778.5	QPSK	22.27	28.10
3MHz	1 RB high	1778.5	QPSK	22.07	27.97
3MHz	50%,low	1778.5	QPSK	21.22	27.29
3MHz	50% RB mid	1778.5	QPSK	21.23	27.34
3MHz	50%,high	1778.5	QPSK	21.26	27.23
3MHz	100% RB	1778.5	QPSK	21.19	26.99
3MHz	1 RB low	1778.5	16QAM	21.20	27.33
3MHz	1 RB mid	1778.5	16QAM	21.37	27.43
3MHz	1 RB high	1778.5	16QAM	21.20	27.31
3MHz	50%,low	1778.5	16QAM	20.24	28.12
3MHz	50% RB mid	1778.5	16QAM	20.31	28.15
3MHz	50%,high	1778.5	16QAM	20.47	27.28
3MHz	100% RB	1778.5	16QAM	20.20	27.14
5MHz	1 RB low	1712.5	QPSK	22.02	27.32

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5MHz	1 RB mid	1712.5	QPSK	22.17	27.44
5MHz	1 RB high	1712.5	QPSK	22.07	27.37
5MHz	50%,low	1712.5	QPSK	21.09	27.52
5MHz	50% RB mid	1712.5	QPSK	21.19	27.60
5MHz	50%,high	1712.5	QPSK	21.15	27.59
5MHz	100% RB	1712.5	QPSK	21.11	27.29
5MHz	1 RB low	1712.5	16QAM	21.06	26.67
5MHz	1 RB mid	1712.5	16QAM	21.12	26.72
5MHz	1 RB high	1712.5	16QAM	21.02	26.64
5MHz	50%,low	1712.5	16QAM	20.22	27.58
5MHz	50% RB mid	1712.5	16QAM	20.26	27.64
5MHz	50%,high	1712.5	16QAM	20.25	27.64
5MHz	100% RB	1712.5	16QAM	20.21	27.16
5MHz	1 RB low	1745	QPSK	22.33	28.18
5MHz	1 RB mid	1745	QPSK	22.28	28.09
5MHz	1 RB high	1745	QPSK	22.17	28.05
5MHz	50%,low	1745	QPSK	21.23	27.67
5MHz	50% RB mid	1745	QPSK	21.19	27.63
5MHz	50%,high	1745	QPSK	21.19	27.64
5MHz	100% RB	1745	QPSK	21.19	27.88
5MHz	1 RB low	1745	16QAM	21.34	27.69
5MHz	1 RB mid	1745	16QAM	21.33	27.63
5MHz	1 RB high	1745	16QAM	21.28	27.61
5MHz	50%,low	1745	16QAM	20.27	27.20
5MHz	50% RB mid	1745	16QAM	20.24	27.14
5MHz	50%,high	1745	16QAM	20.23	27.16
5MHz	100% RB	1745	16QAM	20.30	27.45
5MHz	1 RB low	1777.5	QPSK	22.36	27.71
5MHz	1 RB mid	1777.5	QPSK	22.31	27.61
5MHz	1 RB high	1777.5	QPSK	22.21	27.53
5MHz	50%,low	1777.5	QPSK	21.33	28.07
5MHz	50% RB mid	1777.5	QPSK	21.34	28.01
5MHz	50%,high	1777.5	QPSK	21.34	28.02
5MHz	100% RB	1777.5	QPSK	21.33	27.40
5MHz	1 RB low	1777.5	16QAM	21.67	27.41
5MHz	1 RB mid	1777.5	16QAM	21.68	27.36
5MHz	1 RB high	1777.5	16QAM	21.61	27.31
5MHz	50%,low	1777.5	16QAM	20.41	27.38
5MHz	50% RB mid	1777.5	16QAM	20.43	27.34

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5MHz	50%,high	1777.5	16QAM	20.43	27.36
5MHz	100% RB	1777.5	16QAM	20.37	27.09
10MHz	1 RB low	1715	QPSK	22.00	26.94
10MHz	1 RB mid	1715	QPSK	21.93	26.82
10MHz	1 RB high	1715	QPSK	21.92	26.86
10MHz	50%,low	1715	QPSK	21.24	27.51
10MHz	50% RB mid	1715	QPSK	21.17	27.55
10MHz	50%,high	1715	QPSK	21.06	27.59
10MHz	100% RB	1715	QPSK	21.13	27.61
10MHz	1 RB low	1745	QPSK	22.39	28.57
10MHz	1 RB mid	1745	QPSK	22.19	28.31
10MHz	1 RB high	1745	QPSK	22.11	28.28
10MHz	50%,low	1745	QPSK	21.39	27.93
10MHz	50% RB mid	1745	QPSK	21.39	27.91
10MHz	50%,high	1745	QPSK	21.31	27.76
10MHz	100% RB	1745	QPSK	21.31	27.96
10MHz	1 RB low	1775	QPSK	22.44	27.34
10MHz	1 RB mid	1775	QPSK	22.39	27.20
10MHz	1 RB high	1775	QPSK	22.37	27.21
10MHz	50%,low	1775	QPSK	21.44	27.53
10MHz	50% RB mid	1775	QPSK	21.58	27.68
10MHz	50%,high	1775	QPSK	21.52	27.79
10MHz	100% RB	1775	QPSK	21.52	28.10
15MHz	1 RB low	1717.5	QPSK	21.98	26.94
15MHz	1 RB mid	1717.5	QPSK	21.94	26.84
15MHz	1 RB high	1717.5	QPSK	22.19	27.11
15MHz	50%,low	1717.5	QPSK	21.24	27.81
15MHz	50% RB mid	1717.5	QPSK	21.18	27.64
15MHz	50%,high	1717.5	QPSK	21.23	27.74
15MHz	100% RB	1717.5	QPSK	21.19	27.87
15MHz	1 RB low	1745	QPSK	22.45	28.47
15MHz	1 RB mid	1745	QPSK	22.29	28.21
15MHz	1 RB high	1745	QPSK	22.19	28.15
15MHz	50%,low	1745	QPSK	21.35	28.39
15MHz	50% RB mid	1745	QPSK	21.32	28.18
15MHz	50%,high	1745	QPSK	21.24	28.30
15MHz	100% RB	1745	QPSK	21.29	28.09
15MHz	1 RB low	1772.5	QPSK	22.44	28.38
15MHz	1 RB mid	1772.5	QPSK	22.54	28.37

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15MHz	1 RB high	1772.5	QPSK	22.49	28.32
15MHz	50%,low	1772.5	QPSK	21.48	28.12
15MHz	50% RB mid	1772.5	QPSK	21.52	27.98
15MHz	50%,high	1772.5	QPSK	21.52	28.10
15MHz	100% RB	1772.5	QPSK	21.48	27.98
20MHz	1 RB low	1720	QPSK	22.28	28.25
20MHz	1 RB mid	1720	QPSK	22.19	28.13
20MHz	1 RB high	1720	QPSK	22.54	28.42
20MHz	50%,low	1720	QPSK	21.22	28.04
20MHz	50% RB mid	1720	QPSK	21.23	27.96
20MHz	50%,high	1720	QPSK	21.38	28.23
20MHz	100% RB	1720	QPSK	21.32	27.82
20MHz	1 RB low	1745	QPSK	22.43	28.02
20MHz	1 RB mid	1745	QPSK	22.36	27.81
20MHz	1 RB high	1745	QPSK	22.08	27.60
20MHz	50%,low	1745	QPSK	21.57	28.57
20MHz	50% RB mid	1745	QPSK	21.52	28.35
20MHz	50%,high	1745	QPSK	21.42	28.56
20MHz	100% RB	1745	QPSK	21.46	28.15
20MHz	1 RB low	1770	QPSK	22.19	27.73
20MHz	1 RB mid	1770	QPSK	22.53	27.92
20MHz	1 RB high	1770	QPSK	22.43	27.87
20MHz	50%,low	1770	QPSK	21.56	28.61
20MHz	50% RB mid	1770	QPSK	21.65	28.51
20MHz	50%,high	1770	QPSK	21.66	28.54
20MHz	100% RB	1770	QPSK	21.58	28.00

LTE band 71

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Avg Power (dBm)	Peak Power (dBm)
5MHz	1 RB low	665.5	QPSK	22.49	27.75
5MHz	1 RB mid	665.5	QPSK	22.94	28.62
5MHz	1 RB high	665.5	QPSK	23.12	28.83
5MHz	50%,low	665.5	QPSK	21.76	28.20
5MHz	50% RB mid	665.5	QPSK	21.85	28.28
5MHz	50%,high	665.5	QPSK	22.11	28.50
5MHz	100% RB	665.5	QPSK	22.01	28.68
5MHz	1 RB low	665.5	16QAM	21.74	27.87
5MHz	1 RB mid	665.5	16QAM	22.13	28.23
5MHz	1 RB high	665.5	16QAM	22.29	28.41
5MHz	50%,low	665.5	16QAM	20.97	27.71

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5MHz	50% RB mid	665.5	16QAM	21.12	27.88
5MHz	50%,high	665.5	16QAM	21.29	28.04
5MHz	100% RB	665.5	16QAM	21.16	28.18
5MHz	1 RB low	680.5	QPSK	22.58	28.02
5MHz	1 RB mid	680.5	QPSK	23.13	28.49
5MHz	1 RB high	680.5	QPSK	23.46	28.77
5MHz	50%,low	680.5	QPSK	21.95	28.78
5MHz	50% RB mid	680.5	QPSK	22.19	28.95
5MHz	50%,high	680.5	QPSK	22.39	29.12
5MHz	100% RB	680.5	QPSK	22.31	28.40
5MHz	1 RB low	680.5	16QAM	22.10	27.87
5MHz	1 RB mid	680.5	16QAM	22.68	28.40
5MHz	1 RB high	680.5	16QAM	22.91	28.61
5MHz	50%,low	680.5	16QAM	21.13	28.25
5MHz	50% RB mid	680.5	16QAM	21.37	28.43
5MHz	50%,high	680.5	16QAM	21.57	28.62
5MHz	100% RB	680.5	16QAM	21.31	28.37
5MHz	1 RB low	695.5	QPSK	23.17	28.39
5MHz	1 RB mid	695.5	QPSK	23.52	28.59
5MHz	1 RB high	695.5	QPSK	23.54	28.51
5MHz	50%,low	695.5	QPSK	22.32	28.55
5MHz	50% RB mid	695.5	QPSK	22.47	28.62
5MHz	50%,high	695.5	QPSK	22.56	28.66
5MHz	100% RB	695.5	QPSK	22.47	28.76
5MHz	1 RB low	695.5	16QAM	22.17	27.76
5MHz	1 RB mid	695.5	16QAM	22.53	28.01
5MHz	1 RB high	695.5	16QAM	22.57	27.96
5MHz	50%,low	695.5	16QAM	21.37	28.63
5MHz	50% RB mid	695.5	16QAM	21.52	28.69
5MHz	50%,high	695.5	16QAM	21.63	28.74
5MHz	100% RB	695.5	16QAM	21.51	28.19
10MHz	1 RB low	668	QPSK	22.71	28.67
10MHz	1 RB mid	668	QPSK	23.16	29.02
10MHz	1 RB high	668	QPSK	22.67	28.82
10MHz	50%,low	668	QPSK	22.11	28.41
10MHz	50% RB mid	668	QPSK	22.22	28.37
10MHz	50%,high	668	QPSK	22.02	28.29
10MHz	100% RB	668	QPSK	22.16	28.60
10MHz	1 RB low	680.5	QPSK	22.34	27.26

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10MHz	1 RB mid	680.5	QPSK	23.21	28.05
10MHz	1 RB high	680.5	QPSK	23.51	28.37
10MHz	50%,low	680.5	QPSK	21.90	28.10
10MHz	50% RB mid	680.5	QPSK	22.31	28.58
10MHz	50%,high	680.5	QPSK	22.60	29.00
10MHz	100% RB	680.5	QPSK	22.25	28.69
10MHz	1 RB low	693	QPSK	23.20	29.32
10MHz	1 RB mid	693	QPSK	23.10	29.14
10MHz	1 RB high	693	QPSK	23.43	29.13
10MHz	50%,low	693	QPSK	22.06	28.65
10MHz	50% RB mid	693	QPSK	22.12	28.67
10MHz	50%,high	693	QPSK	22.32	28.72
10MHz	100% RB	693	QPSK	22.20	28.59
15MHz	1 RB low	670.5	QPSK	22.76	28.51
15MHz	1 RB mid	670.5	QPSK	23.10	28.85
15MHz	1 RB high	670.5	QPSK	22.51	28.53
15MHz	50%,low	670.5	QPSK	22.14	28.54
15MHz	50% RB mid	670.5	QPSK	22.05	28.52
15MHz	50%,high	670.5	QPSK	21.69	28.48
15MHz	100% RB	670.5	QPSK	21.91	28.35
15MHz	1 RB low	680.5	QPSK	22.34	28.39
15MHz	1 RB mid	680.5	QPSK	23.34	29.19
15MHz	1 RB high	680.5	QPSK	23.32	29.19
15MHz	50%,low	680.5	QPSK	21.76	28.84
15MHz	50% RB mid	680.5	QPSK	22.29	29.14
15MHz	50%,high	680.5	QPSK	22.61	29.50
15MHz	100% RB	680.5	QPSK	22.31	28.92
15MHz	1 RB low	690.5	QPSK	23.49	29.36
15MHz	1 RB mid	690.5	QPSK	23.21	29.07
15MHz	1 RB high	690.5	QPSK	23.49	28.99
15MHz	50%,low	690.5	QPSK	22.41	29.03
15MHz	50% RB mid	690.5	QPSK	22.22	28.72
15MHz	50%,high	690.5	QPSK	22.31	28.96
15MHz	100% RB	690.5	QPSK	22.35	28.83
20MHz	1 RB low	673	QPSK	22.73	28.48
20MHz	1 RB mid	673	QPSK	22.52	28.42
20MHz	1 RB high	673	QPSK	23.39	29.18
20MHz	50%,low	673	QPSK	22.09	28.65
20MHz	50% RB mid	673	QPSK	21.95	28.57

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20MHz	50%,high	673	QPSK	22.01	28.84
20MHz	100% RB	673	QPSK	22.10	28.79
20MHz	1 RB low	683	QPSK	22.17	28.00
20MHz	1 RB mid	683	QPSK	23.55	29.16
20MHz	1 RB high	683	QPSK	22.87	28.62
20MHz	50%,low	683	QPSK	21.81	28.48
20MHz	50% RB mid	683	QPSK	22.32	28.70
20MHz	50%,high	683	QPSK	22.35	29.01
20MHz	100% RB	683	QPSK	22.21	28.87
20MHz	1 RB low	688	QPSK	22.66	28.21
20MHz	1 RB mid	688	QPSK	23.35	28.71
20MHz	1 RB high	688	QPSK	23.32	28.51
20MHz	50%,low	688	QPSK	22.46	29.39
20MHz	50% RB mid	688	QPSK	22.39	29.20
20MHz	50%,high	688	QPSK	22.33	29.23
20MHz	100% RB	688	QPSK	22.50	28.97

6.3. ERP and EIRP

Specifications:	FCC Part 22.913,24.232,27.50
DUT Serial Number:	IMEI:866234079631436
Test conditions:	Ambient Temperature:15°C-35°C Relative Humidity:30%-70% Air pressure: 86-106kPa
Test Results:	Pass

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

According to Part 22.913(a):The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

According to Part 24.232(c):Mobile and portable stations are limited to 2 watts EIRP and the equipment must employ a means for limiting power to the minimum necessary for successful communications.

According to Part 27.50(b):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.

According to Part 27.50(c):Portable stations (hand-held devices) in the 600 MHz uplink band and the 698-746 MHz band, and fixed and mobile stations in the 600 MHz uplink band are limited to 3 watts ERP.

According to Part 27.50(d):Fixed, mobile, and portable (hand-held) stations operating in the 1710-1755 MHz band and mobile and portable stations operating in the 1695-1710 MHz and 1755-1780 MHz bands are limited to 1 watt EIRP.

Conducted RF Power+Antenna Gain(dBi)=EIRP

Conducted RF Power+Antenna Gain(dBd)=ERP

Antenna Gain(dBd)= Antenna Gain(dBi)-2.15

Frequency Band	AntennaGain (dBi)	AntennaGain (dBd)
LTE Band 2	2.3	N/A
LTE Band 4	2.3	N/A
LTE Band 5	2.3	N/A
LTE Band 12	N/A	0.15
LTE Band 13	N/A	0.15
LTE Band 66	2.3	N/A
LTE Band 71	N/A	0.15

Note: Antenna Gain is provided customer.

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6.3.1 Measurement result

LTE band 2

EIRP Limits 30dBm(1w)

Max EIRP:23.83dBm

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Power (dBm)	Radiated Power(dBm) G _T =2.3dBi
1.4MHz	1 RB low	1850.7	QPSK	20.92	23.22
1.4MHz	1 RB mid	1850.7	QPSK	21.01	23.31
1.4MHz	1 RB high	1850.7	QPSK	21.11	23.41
1.4MHz	50%,low	1850.7	QPSK	21.05	23.35
1.4MHz	50% RB mid	1850.7	QPSK	21.07	23.37
1.4MHz	50%,high	1850.7	QPSK	21.17	23.47
1.4MHz	100% RB	1850.7	QPSK	20.10	22.40
1.4MHz	1 RB low	1850.7	16QAM	20.19	22.49
1.4MHz	1 RB mid	1850.7	16QAM	20.32	22.62
1.4MHz	1 RB high	1850.7	16QAM	20.30	22.60
1.4MHz	50%,low	1850.7	16QAM	20.18	22.48
1.4MHz	50% RB mid	1850.7	16QAM	20.21	22.51
1.4MHz	50%,high	1850.7	16QAM	20.23	22.53
1.4MHz	100% RB	1850.7	16QAM	19.30	21.60
1.4MHz	1 RB low	1880	QPSK	21.07	23.37
1.4MHz	1 RB mid	1880	QPSK	21.20	23.50
1.4MHz	1 RB high	1880	QPSK	21.20	23.50
1.4MHz	50%,low	1880	QPSK	21.22	23.52
1.4MHz	50% RB mid	1880	QPSK	21.23	23.53
1.4MHz	50%,high	1880	QPSK	21.22	23.52
1.4MHz	100% RB	1880	QPSK	20.33	22.63
1.4MHz	1 RB low	1880	16QAM	20.35	22.65
1.4MHz	1 RB mid	1880	16QAM	20.45	22.75
1.4MHz	1 RB high	1880	16QAM	20.41	22.71
1.4MHz	50%,low	1880	16QAM	20.35	22.65
1.4MHz	50% RB mid	1880	16QAM	20.36	22.66
1.4MHz	50%,high	1880	16QAM	20.40	22.70
1.4MHz	100% RB	1880	16QAM	19.52	21.82
1.4MHz	1 RB low	1909.3	QPSK	21.22	23.52
1.4MHz	1 RB mid	1909.3	QPSK	21.27	23.57
1.4MHz	1 RB high	1909.3	QPSK	21.33	23.63

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1.4MHz	50%,low	1909.3	QPSK	21.22	23.52
1.4MHz	50% RB mid	1909.3	QPSK	21.34	23.64
1.4MHz	50%,high	1909.3	QPSK	21.38	23.68
1.4MHz	100% RB	1909.3	QPSK	20.48	22.78
1.4MHz	1 RB low	1909.3	16QAM	20.47	22.77
1.4MHz	1 RB mid	1909.3	16QAM	20.60	22.90
1.4MHz	1 RB high	1909.3	16QAM	20.62	22.92
1.4MHz	50%,low	1909.3	16QAM	20.45	22.75
1.4MHz	50% RB mid	1909.3	16QAM	20.49	22.79
1.4MHz	50%,high	1909.3	16QAM	20.52	22.82
1.4MHz	100% RB	1909.3	16QAM	19.45	21.75
3MHz	1 RB low	1851.5	QPSK	20.75	23.05
3MHz	1 RB mid	1851.5	QPSK	21.10	23.40
3MHz	1 RB high	1851.5	QPSK	21.02	23.32
3MHz	50%,low	1851.5	QPSK	20.06	22.36
3MHz	50% RB mid	1851.5	QPSK	20.21	22.51
3MHz	50%,high	1851.5	QPSK	20.26	22.56
3MHz	100% RB	1851.5	QPSK	20.22	22.52
3MHz	1 RB low	1851.5	16QAM	20.20	22.50
3MHz	1 RB mid	1851.5	16QAM	20.56	22.86
3MHz	1 RB high	1851.5	16QAM	20.50	22.80
3MHz	50%,low	1851.5	16QAM	19.19	21.49
3MHz	50% RB mid	1851.5	16QAM	19.35	21.65
3MHz	50%,high	1851.5	16QAM	19.31	21.61
3MHz	100% RB	1851.5	16QAM	19.18	21.48
3MHz	1 RB low	1880	QPSK	20.88	23.18
3MHz	1 RB mid	1880	QPSK	21.19	23.49
3MHz	1 RB high	1880	QPSK	20.93	23.23
3MHz	50%,low	1880	QPSK	19.98	22.28
3MHz	50% RB mid	1880	QPSK	20.03	22.33
3MHz	50%,high	1880	QPSK	20.06	22.36
3MHz	100% RB	1880	QPSK	19.98	22.28
3MHz	1 RB low	1880	16QAM	19.88	22.18
3MHz	1 RB mid	1880	16QAM	20.18	22.48
3MHz	1 RB high	1880	16QAM	20.06	22.36
3MHz	50%,low	1880	16QAM	19.18	21.48
3MHz	50% RB mid	1880	16QAM	19.31	21.61
3MHz	50%,high	1880	16QAM	19.48	21.78
3MHz	100% RB	1880	16QAM	19.19	21.49

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3MHz	1 RB low	1908.5	QPSK	21.10	23.40
3MHz	1 RB mid	1908.5	QPSK	21.22	23.52
3MHz	1 RB high	1908.5	QPSK	21.22	23.52
3MHz	50%,low	1908.5	QPSK	20.30	22.60
3MHz	50% RB mid	1908.5	QPSK	20.33	22.63
3MHz	50%,high	1908.5	QPSK	20.33	22.63
3MHz	100% RB	1908.5	QPSK	20.30	22.60
3MHz	1 RB low	1908.5	16QAM	20.21	22.51
3MHz	1 RB mid	1908.5	16QAM	20.52	22.82
3MHz	1 RB high	1908.5	16QAM	20.38	22.68
3MHz	50%,low	1908.5	16QAM	19.31	21.61
3MHz	50% RB mid	1908.5	16QAM	19.31	21.61
3MHz	50%,high	1908.5	16QAM	19.49	21.79
3MHz	100% RB	1908.5	16QAM	19.36	21.66
5MHz	1 RB low	1852.5	QPSK	20.98	23.28
5MHz	1 RB mid	1852.5	QPSK	21.26	23.56
5MHz	1 RB high	1852.5	QPSK	21.34	23.64
5MHz	50%,low	1852.5	QPSK	20.17	22.47
5MHz	50% RB mid	1852.5	QPSK	20.28	22.58
5MHz	50%,high	1852.5	QPSK	20.39	22.69
5MHz	100% RB	1852.5	QPSK	20.28	22.58
5MHz	1 RB low	1852.5	16QAM	19.96	22.26
5MHz	1 RB mid	1852.5	16QAM	20.28	22.58
5MHz	1 RB high	1852.5	16QAM	20.37	22.67
5MHz	50%,low	1852.5	16QAM	19.25	21.55
5MHz	50% RB mid	1852.5	16QAM	19.36	21.66
5MHz	50%,high	1852.5	16QAM	19.49	21.79
5MHz	100% RB	1852.5	16QAM	19.35	21.65
5MHz	1 RB low	1880	QPSK	20.95	23.25
5MHz	1 RB mid	1880	QPSK	21.13	23.43
5MHz	1 RB high	1880	QPSK	21.17	23.47
5MHz	50%,low	1880	QPSK	20.07	22.37
5MHz	50% RB mid	1880	QPSK	20.17	22.47
5MHz	50%,high	1880	QPSK	20.19	22.49
5MHz	100% RB	1880	QPSK	20.15	22.45
5MHz	1 RB low	1880	16QAM	20.10	22.40
5MHz	1 RB mid	1880	16QAM	20.36	22.66
5MHz	1 RB high	1880	16QAM	20.37	22.67
5MHz	50%,low	1880	16QAM	19.22	21.52

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5MHz	50% RB mid	1880	16QAM	19.33	21.63
5MHz	50%,high	1880	16QAM	19.37	21.67
5MHz	100% RB	1880	16QAM	19.37	21.67
5MHz	1 RB low	1907.5	QPSK	21.05	23.35
5MHz	1 RB mid	1907.5	QPSK	21.29	23.59
5MHz	1 RB high	1907.5	QPSK	21.38	23.68
5MHz	50%,low	1907.5	QPSK	20.31	22.61
5MHz	50% RB mid	1907.5	QPSK	20.37	22.67
5MHz	50%,high	1907.5	QPSK	20.44	22.74
5MHz	100% RB	1907.5	QPSK	20.36	22.66
5MHz	1 RB low	1907.5	16QAM	20.52	22.82
5MHz	1 RB mid	1907.5	16QAM	20.68	22.98
5MHz	1 RB high	1907.5	16QAM	20.75	23.05
5MHz	50%,low	1907.5	16QAM	19.38	21.68
5MHz	50% RB mid	1907.5	16QAM	19.45	21.75
5MHz	50%,high	1907.5	16QAM	19.51	21.81
5MHz	100% RB	1907.5	16QAM	19.37	21.67
10MHz	1 RB low	1855	QPSK	21.00	23.30
10MHz	1 RB mid	1855	QPSK	21.42	23.72
10MHz	1 RB high	1855	QPSK	21.15	23.45
10MHz	50%,low	1855	QPSK	20.46	22.76
10MHz	50% RB mid	1855	QPSK	20.59	22.89
10MHz	50%,high	1855	QPSK	20.50	22.80
10MHz	100% RB	1855	QPSK	20.49	22.79
10MHz	1 RB low	1880	QPSK	20.97	23.27
10MHz	1 RB mid	1880	QPSK	21.09	23.39
10MHz	1 RB high	1880	QPSK	21.35	23.65
10MHz	50%,low	1880	QPSK	20.18	22.48
10MHz	50% RB mid	1880	QPSK	20.25	22.55
10MHz	50%,high	1880	QPSK	20.35	22.65
10MHz	100% RB	1880	QPSK	20.23	22.53
10MHz	1 RB low	1905	QPSK	21.10	23.40
10MHz	1 RB mid	1905	QPSK	21.14	23.44
10MHz	1 RB high	1905	QPSK	21.22	23.52
10MHz	50%,low	1905	QPSK	20.17	22.47
10MHz	50% RB mid	1905	QPSK	20.17	22.47
10MHz	50%,high	1905	QPSK	20.22	22.52
10MHz	100% RB	1905	QPSK	20.29	22.59
15MHz	1 RB low	1857.5	QPSK	21.13	23.43

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15MHz	1 RB mid	1857.5	QPSK	21.46	23.76
15MHz	1 RB high	1857.5	QPSK	21.09	23.39
15MHz	50%,low	1857.5	QPSK	20.57	22.87
15MHz	50% RB mid	1857.5	QPSK	20.57	22.87
15MHz	50%,high	1857.5	QPSK	20.44	22.74
15MHz	100% RB	1857.5	QPSK	20.49	22.79
15MHz	1 RB low	1880	QPSK	20.61	22.91
15MHz	1 RB mid	1880	QPSK	21.18	23.48
15MHz	1 RB high	1880	QPSK	21.43	23.73
15MHz	50%,low	1880	QPSK	20.07	22.37
15MHz	50% RB mid	1880	QPSK	20.32	22.62
15MHz	50%,high	1880	QPSK	20.47	22.77
15MHz	100% RB	1880	QPSK	20.31	22.61
15MHz	1 RB low	1902.5	QPSK	21.21	23.51
15MHz	1 RB mid	1902.5	QPSK	21.17	23.47
15MHz	1 RB high	1902.5	QPSK	21.36	23.66
15MHz	50%,low	1902.5	QPSK	20.36	22.66
15MHz	50% RB mid	1902.5	QPSK	20.30	22.60
15MHz	50%,high	1902.5	QPSK	20.31	22.61
15MHz	100% RB	1902.5	QPSK	20.31	22.61
20MHz	1 RB low	1860	QPSK	21.23	23.53
20MHz	1 RB mid	1860	QPSK	21.53	23.83
20MHz	1 RB high	1860	QPSK	20.68	22.98
20MHz	50%,low	1860	QPSK	20.54	22.84
20MHz	50% RB mid	1860	QPSK	20.52	22.82
20MHz	50%,high	1860	QPSK	20.31	22.61
20MHz	100% RB	1860	QPSK	20.51	22.81
20MHz	1 RB low	1880	QPSK	20.78	23.08
20MHz	1 RB mid	1880	QPSK	21.09	23.39
20MHz	1 RB high	1880	QPSK	21.38	23.68
20MHz	50%,low	1880	QPSK	20.18	22.48
20MHz	50% RB mid	1880	QPSK	20.36	22.66
20MHz	50%,high	1880	QPSK	20.41	22.71
20MHz	100% RB	1880	QPSK	20.32	22.62
20MHz	1 RB low	1900	QPSK	21.45	23.75
20MHz	1 RB mid	1900	QPSK	21.43	23.73
20MHz	1 RB high	1900	QPSK	21.23	23.53
20MHz	50%,low	1900	QPSK	20.57	22.87
20MHz	50% RB mid	1900	QPSK	20.47	22.77

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20MHz	50%,high	1900	QPSK	20.36	22.66
20MHz	100% RB	1900	QPSK	20.45	22.75

LTE band 4
EIRP Limits 30dBm(1w)
Max EIRP:25.01dBm

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Power (dBm)	Radiated Power(dBm) G _T =2.3dBi
1.4MHz	1 RB low	1710.7	QPSK	21.76	24.06
1.4MHz	1 RB mid	1710.7	QPSK	21.70	24.00
1.4MHz	1 RB high	1710.7	QPSK	21.78	24.08
1.4MHz	50%,low	1710.7	QPSK	21.70	24.00
1.4MHz	50% RB mid	1710.7	QPSK	21.66	23.96
1.4MHz	50%,high	1710.7	QPSK	21.69	23.99
1.4MHz	100% RB	1710.7	QPSK	20.81	23.11
1.4MHz	1 RB low	1710.7	16QAM	21.00	23.30
1.4MHz	1 RB mid	1710.7	16QAM	21.12	23.42
1.4MHz	1 RB high	1710.7	16QAM	21.07	23.37
1.4MHz	50%,low	1710.7	16QAM	21.00	23.30
1.4MHz	50% RB mid	1710.7	16QAM	21.10	23.40
1.4MHz	50%,high	1710.7	16QAM	21.08	23.38
1.4MHz	100% RB	1710.7	16QAM	19.95	22.25
1.4MHz	1 RB low	1732.5	QPSK	22.47	24.77
1.4MHz	1 RB mid	1732.5	QPSK	22.46	24.76
1.4MHz	1 RB high	1732.5	QPSK	22.46	24.76
1.4MHz	50%,low	1732.5	QPSK	22.36	24.66
1.4MHz	50% RB mid	1732.5	QPSK	22.36	24.66
1.4MHz	50%,high	1732.5	QPSK	22.35	24.65
1.4MHz	100% RB	1732.5	QPSK	21.47	23.77
1.4MHz	1 RB low	1732.5	16QAM	21.44	23.74
1.4MHz	1 RB mid	1732.5	16QAM	21.62	23.92
1.4MHz	1 RB high	1732.5	16QAM	21.59	23.89
1.4MHz	50%,low	1732.5	16QAM	21.52	23.82
1.4MHz	50% RB mid	1732.5	16QAM	21.54	23.84
1.4MHz	50%,high	1732.5	16QAM	21.58	23.88
1.4MHz	100% RB	1732.5	16QAM	20.70	23.00
1.4MHz	1 RB low	1754.3	QPSK	21.82	24.12
1.4MHz	1 RB mid	1754.3	QPSK	21.82	24.12

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1.4MHz	1 RB high	1754.3	QPSK	21.82	24.12
1.4MHz	50%,low	1754.3	QPSK	21.76	24.06
1.4MHz	50% RB mid	1754.3	QPSK	21.78	24.08
1.4MHz	50%,high	1754.3	QPSK	21.79	24.09
1.4MHz	100% RB	1754.3	QPSK	20.84	23.14
1.4MHz	1 RB low	1754.3	16QAM	20.91	23.21
1.4MHz	1 RB mid	1754.3	16QAM	20.99	23.29
1.4MHz	1 RB high	1754.3	16QAM	20.94	23.24
1.4MHz	50%,low	1754.3	16QAM	20.86	23.16
1.4MHz	50% RB mid	1754.3	16QAM	20.90	23.20
1.4MHz	50%,high	1754.3	16QAM	20.91	23.21
1.4MHz	100% RB	1754.3	16QAM	20.01	22.31
3MHz	1 RB low	1711.5	QPSK	21.60	23.90
3MHz	1 RB mid	1711.5	QPSK	21.64	23.94
3MHz	1 RB high	1711.5	QPSK	21.54	23.84
3MHz	50%,low	1711.5	QPSK	20.83	23.13
3MHz	50% RB mid	1711.5	QPSK	20.86	23.16
3MHz	50%,high	1711.5	QPSK	20.83	23.13
3MHz	100% RB	1711.5	QPSK	20.77	23.07
3MHz	1 RB low	1711.5	16QAM	20.91	23.21
3MHz	1 RB mid	1711.5	16QAM	21.10	23.40
3MHz	1 RB high	1711.5	16QAM	20.90	23.20
3MHz	50%,low	1711.5	16QAM	19.83	22.13
3MHz	50% RB mid	1711.5	16QAM	19.91	22.21
3MHz	50%,high	1711.5	16QAM	19.90	22.20
3MHz	100% RB	1711.5	16QAM	19.83	22.13
3MHz	1 RB low	1732.5	QPSK	22.28	24.58
3MHz	1 RB mid	1732.5	QPSK	22.47	24.77
3MHz	1 RB high	1732.5	QPSK	22.39	24.69
3MHz	50%,low	1732.5	QPSK	21.51	23.81
3MHz	50% RB mid	1732.5	QPSK	21.57	23.87
3MHz	50%,high	1732.5	QPSK	21.58	23.88
3MHz	100% RB	1732.5	QPSK	21.51	23.81
3MHz	1 RB low	1732.5	16QAM	21.42	23.72
3MHz	1 RB mid	1732.5	16QAM	21.67	23.97
3MHz	1 RB high	1732.5	16QAM	21.56	23.86
3MHz	50%,low	1732.5	16QAM	20.49	22.79
3MHz	50% RB mid	1732.5	16QAM	20.63	22.93
3MHz	50%,high	1732.5	16QAM	20.77	23.07

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3MHz	100% RB	1732.5	16QAM	20.50	22.80
3MHz	1 RB low	1753.5	QPSK	21.70	24.00
3MHz	1 RB mid	1753.5	QPSK	21.81	24.11
3MHz	1 RB high	1753.5	QPSK	21.64	23.94
3MHz	50%,low	1753.5	QPSK	20.80	23.10
3MHz	50% RB mid	1753.5	QPSK	20.82	23.12
3MHz	50%,high	1753.5	QPSK	20.80	23.10
3MHz	100% RB	1753.5	QPSK	20.77	23.07
3MHz	1 RB low	1753.5	16QAM	20.79	23.09
3MHz	1 RB mid	1753.5	16QAM	20.98	23.28
3MHz	1 RB high	1753.5	16QAM	20.78	23.08
3MHz	50%,low	1753.5	16QAM	19.94	22.24
3MHz	50% RB mid	1753.5	16QAM	19.97	22.27
3MHz	50%,high	1753.5	16QAM	20.13	22.43
3MHz	100% RB	1753.5	16QAM	19.92	22.22
5MHz	1 RB low	1712.5	QPSK	21.94	24.24
5MHz	1 RB mid	1712.5	QPSK	21.93	24.23
5MHz	1 RB high	1712.5	QPSK	21.86	24.16
5MHz	50%,low	1712.5	QPSK	21.10	23.40
5MHz	50% RB mid	1712.5	QPSK	21.04	23.34
5MHz	50%,high	1712.5	QPSK	20.99	23.29
5MHz	100% RB	1712.5	QPSK	21.03	23.33
5MHz	1 RB low	1712.5	16QAM	21.01	23.31
5MHz	1 RB mid	1712.5	16QAM	20.98	23.28
5MHz	1 RB high	1712.5	16QAM	20.88	23.18
5MHz	50%,low	1712.5	16QAM	20.15	22.45
5MHz	50% RB mid	1712.5	16QAM	20.12	22.42
5MHz	50%,high	1712.5	16QAM	20.08	22.38
5MHz	100% RB	1712.5	16QAM	20.11	22.41
5MHz	1 RB low	1732.5	QPSK	22.45	24.75
5MHz	1 RB mid	1732.5	QPSK	22.58	24.88
5MHz	1 RB high	1732.5	QPSK	22.52	24.82
5MHz	50%,low	1732.5	QPSK	21.55	23.85
5MHz	50% RB mid	1732.5	QPSK	21.60	23.90
5MHz	50%,high	1732.5	QPSK	21.67	23.97
5MHz	100% RB	1732.5	QPSK	21.58	23.88
5MHz	1 RB low	1732.5	16QAM	21.59	23.89
5MHz	1 RB mid	1732.5	16QAM	21.78	24.08
5MHz	1 RB high	1732.5	16QAM	21.77	24.07

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5MHz	50%,low	1732.5	16QAM	20.54	22.84
5MHz	50% RB mid	1732.5	16QAM	20.60	22.90
5MHz	50%,high	1732.5	16QAM	20.68	22.98
5MHz	100% RB	1732.5	16QAM	20.65	22.95
5MHz	1 RB low	1752.5	QPSK	21.94	24.24
5MHz	1 RB mid	1752.5	QPSK	21.89	24.19
5MHz	1 RB high	1752.5	QPSK	21.82	24.12
5MHz	50%,low	1752.5	QPSK	20.92	23.22
5MHz	50% RB mid	1752.5	QPSK	20.90	23.20
5MHz	50%,high	1752.5	QPSK	20.90	23.20
5MHz	100% RB	1752.5	QPSK	20.92	23.22
5MHz	1 RB low	1752.5	16QAM	21.25	23.55
5MHz	1 RB mid	1752.5	16QAM	21.24	23.54
5MHz	1 RB high	1752.5	16QAM	21.18	23.48
5MHz	50%,low	1752.5	16QAM	20.17	22.47
5MHz	50% RB mid	1752.5	16QAM	20.17	22.47
5MHz	50%,high	1752.5	16QAM	20.16	22.46
5MHz	100% RB	1752.5	16QAM	20.11	22.41
10MHz	1 RB low	1715	QPSK	22.04	24.34
10MHz	1 RB mid	1715	QPSK	21.97	24.27
10MHz	1 RB high	1715	QPSK	21.92	24.22
10MHz	50%,low	1715	QPSK	21.12	23.42
10MHz	50% RB mid	1715	QPSK	21.06	23.36
10MHz	50%,high	1715	QPSK	21.06	23.36
10MHz	100% RB	1715	QPSK	21.08	23.38
10MHz	1 RB low	1732.5	QPSK	22.45	24.75
10MHz	1 RB mid	1732.5	QPSK	22.61	24.91
10MHz	1 RB high	1732.5	QPSK	22.64	24.94
10MHz	50%,low	1732.5	QPSK	21.62	23.92
10MHz	50% RB mid	1732.5	QPSK	21.73	24.03
10MHz	50%,high	1732.5	QPSK	21.77	24.07
10MHz	100% RB	1732.5	QPSK	21.67	23.97
10MHz	1 RB low	1750	QPSK	22.07	24.37
10MHz	1 RB mid	1750	QPSK	21.91	24.21
10MHz	1 RB high	1750	QPSK	21.85	24.15
10MHz	50%,low	1750	QPSK	21.03	23.33
10MHz	50% RB mid	1750	QPSK	20.98	23.28
10MHz	50%,high	1750	QPSK	21.04	23.34
10MHz	100% RB	1750	QPSK	21.08	23.38

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15MHz	1 RB low	1717.5	QPSK	21.90	24.20
15MHz	1 RB mid	1717.5	QPSK	22.03	24.33
15MHz	1 RB high	1717.5	QPSK	22.16	24.46
15MHz	50%,low	1717.5	QPSK	21.10	23.40
15MHz	50% RB mid	1717.5	QPSK	21.08	23.38
15MHz	50%,high	1717.5	QPSK	21.14	23.44
15MHz	100% RB	1717.5	QPSK	21.11	23.41
15MHz	1 RB low	1732.5	QPSK	22.30	24.60
15MHz	1 RB mid	1732.5	QPSK	22.71	25.01
15MHz	1 RB high	1732.5	QPSK	22.57	24.87
15MHz	50%,low	1732.5	QPSK	21.52	23.82
15MHz	50% RB mid	1732.5	QPSK	21.69	23.99
15MHz	50%,high	1732.5	QPSK	21.76	24.06
15MHz	100% RB	1732.5	QPSK	21.63	23.93
15MHz	1 RB low	1747.5	QPSK	22.33	24.63
15MHz	1 RB mid	1747.5	QPSK	22.23	24.53
15MHz	1 RB high	1747.5	QPSK	22.05	24.35
15MHz	50%,low	1747.5	QPSK	21.28	23.58
15MHz	50% RB mid	1747.5	QPSK	21.24	23.54
15MHz	50%,high	1747.5	QPSK	21.17	23.47
15MHz	100% RB	1747.5	QPSK	21.20	23.50
20MHz	1 RB low	1720	QPSK	22.08	24.38
20MHz	1 RB mid	1720	QPSK	22.00	24.30
20MHz	1 RB high	1720	QPSK	22.33	24.63
20MHz	50%,low	1720	QPSK	21.02	23.32
20MHz	50% RB mid	1720	QPSK	21.06	23.36
20MHz	50%,high	1720	QPSK	21.19	23.49
20MHz	100% RB	1720	QPSK	21.10	23.40
20MHz	1 RB low	1732.5	QPSK	22.31	24.61
20MHz	1 RB mid	1732.5	QPSK	22.69	24.99
20MHz	1 RB high	1732.5	QPSK	22.35	24.65
20MHz	50%,low	1732.5	QPSK	21.51	23.81
20MHz	50% RB mid	1732.5	QPSK	21.70	24.00
20MHz	50%,high	1732.5	QPSK	21.75	24.05
20MHz	100% RB	1732.5	QPSK	21.71	24.01
20MHz	1 RB low	1745	QPSK	22.47	24.77
20MHz	1 RB mid	1745	QPSK	22.27	24.57
20MHz	1 RB high	1745	QPSK	22.02	24.32
20MHz	50%,low	1745	QPSK	21.38	23.68

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20MHz	50% RB mid	1745	QPSK	21.28	23.58
20MHz	50%,high	1745	QPSK	21.21	23.51
20MHz	100% RB	1745	QPSK	21.29	23.59

LTE band 5
EIRP Limits 30dBm(1w)
Max EIRP:25.62dBm

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Power (dBm)	Radiated Power(dBm) G _T =2.3dBi
1.4MHz	1 RB low	824.7	QPSK	22.79	25.09
1.4MHz	1 RB mid	824.7	QPSK	22.84	25.14
1.4MHz	1 RB high	824.7	QPSK	22.87	25.17
1.4MHz	50%,low	824.7	QPSK	22.81	25.11
1.4MHz	50% RB mid	824.7	QPSK	22.80	25.10
1.4MHz	50%,high	824.7	QPSK	22.79	25.09
1.4MHz	100% RB	824.7	QPSK	21.87	24.17
1.4MHz	1 RB low	824.7	16QAM	21.86	24.16
1.4MHz	1 RB mid	824.7	16QAM	22.03	24.33
1.4MHz	1 RB high	824.7	16QAM	21.99	24.29
1.4MHz	50%,low	824.7	16QAM	21.96	24.26
1.4MHz	50% RB mid	824.7	16QAM	22.00	24.30
1.4MHz	50%,high	824.7	16QAM	22.08	24.38
1.4MHz	100% RB	824.7	16QAM	21.11	23.41
1.4MHz	1 RB low	836.5	QPSK	22.77	25.07
1.4MHz	1 RB mid	836.5	QPSK	22.82	25.12
1.4MHz	1 RB high	836.5	QPSK	22.82	25.12
1.4MHz	50%,low	836.5	QPSK	22.87	25.17
1.4MHz	50% RB mid	836.5	QPSK	22.85	25.15
1.4MHz	50%,high	836.5	QPSK	22.85	25.15
1.4MHz	100% RB	836.5	QPSK	21.95	24.25
1.4MHz	1 RB low	836.5	16QAM	22.06	24.36
1.4MHz	1 RB mid	836.5	16QAM	22.12	24.42
1.4MHz	1 RB high	836.5	16QAM	22.06	24.36
1.4MHz	50%,low	836.5	16QAM	22.01	24.31
1.4MHz	50% RB mid	836.5	16QAM	22.03	24.33
1.4MHz	50%,high	836.5	16QAM	22.03	24.33
1.4MHz	100% RB	836.5	16QAM	21.08	23.38
1.4MHz	1 RB low	848.3	QPSK	23.07	25.37

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1.4MHz	1 RB mid	848.3	QPSK	23.05	25.35
1.4MHz	1 RB high	848.3	QPSK	23.05	25.35
1.4MHz	50%,low	848.3	QPSK	23.00	25.30
1.4MHz	50% RB mid	848.3	QPSK	23.03	25.33
1.4MHz	50%,high	848.3	QPSK	22.99	25.29
1.4MHz	100% RB	848.3	QPSK	22.17	24.47
1.4MHz	1 RB low	848.3	16QAM	22.35	24.65
1.4MHz	1 RB mid	848.3	16QAM	22.41	24.71
1.4MHz	1 RB high	848.3	16QAM	22.36	24.66
1.4MHz	50%,low	848.3	16QAM	22.34	24.64
1.4MHz	50% RB mid	848.3	16QAM	22.35	24.65
1.4MHz	50%,high	848.3	16QAM	22.34	24.64
1.4MHz	100% RB	848.3	16QAM	21.17	23.47
3MHz	1 RB low	825.5	QPSK	22.47	24.77
3MHz	1 RB mid	825.5	QPSK	22.78	25.08
3MHz	1 RB high	825.5	QPSK	22.60	24.90
3MHz	50%,low	825.5	QPSK	21.88	24.18
3MHz	50% RB mid	825.5	QPSK	21.98	24.28
3MHz	50%,high	825.5	QPSK	21.98	24.28
3MHz	100% RB	825.5	QPSK	21.87	24.17
3MHz	1 RB low	825.5	16QAM	21.92	24.22
3MHz	1 RB mid	825.5	16QAM	22.22	24.52
3MHz	1 RB high	825.5	16QAM	22.09	24.39
3MHz	50%,low	825.5	16QAM	20.98	23.28
3MHz	50% RB mid	825.5	16QAM	21.10	23.40
3MHz	50%,high	825.5	16QAM	21.10	23.40
3MHz	100% RB	825.5	16QAM	20.99	23.29
3MHz	1 RB low	836.5	QPSK	22.73	25.03
3MHz	1 RB mid	836.5	QPSK	22.89	25.19
3MHz	1 RB high	836.5	QPSK	22.69	24.99
3MHz	50%,low	836.5	QPSK	21.98	24.28
3MHz	50% RB mid	836.5	QPSK	21.95	24.25
3MHz	50%,high	836.5	QPSK	21.95	24.25
3MHz	100% RB	836.5	QPSK	21.91	24.21
3MHz	1 RB low	836.5	16QAM	21.99	24.29
3MHz	1 RB mid	836.5	16QAM	22.09	24.39
3MHz	1 RB high	836.5	16QAM	21.86	24.16
3MHz	50%,low	836.5	16QAM	21.10	23.40
3MHz	50% RB mid	836.5	16QAM	21.14	23.44

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3MHz	50%,high	836.5	16QAM	21.15	23.45
3MHz	100% RB	836.5	16QAM	20.90	23.20
3MHz	1 RB low	847.5	QPSK	22.85	25.15
3MHz	1 RB mid	847.5	QPSK	23.03	25.33
3MHz	1 RB high	847.5	QPSK	22.86	25.16
3MHz	50%,low	847.5	QPSK	22.17	24.47
3MHz	50% RB mid	847.5	QPSK	22.07	24.37
3MHz	50%,high	847.5	QPSK	22.08	24.38
3MHz	100% RB	847.5	QPSK	22.02	24.32
3MHz	1 RB low	847.5	16QAM	22.00	24.30
3MHz	1 RB mid	847.5	16QAM	22.26	24.56
3MHz	1 RB high	847.5	16QAM	22.08	24.38
3MHz	50%,low	847.5	16QAM	21.12	23.42
3MHz	50% RB mid	847.5	16QAM	21.16	23.46
3MHz	50%,high	847.5	16QAM	21.34	23.64
3MHz	100% RB	847.5	16QAM	21.18	23.48
5MHz	1 RB low	826.5	QPSK	22.93	25.23
5MHz	1 RB mid	826.5	QPSK	23.08	25.38
5MHz	1 RB high	826.5	QPSK	23.06	25.36
5MHz	50%,low	826.5	QPSK	22.09	24.39
5MHz	50% RB mid	826.5	QPSK	22.17	24.47
5MHz	50%,high	826.5	QPSK	22.17	24.47
5MHz	100% RB	826.5	QPSK	22.14	24.44
5MHz	1 RB low	826.5	16QAM	21.99	24.29
5MHz	1 RB mid	826.5	16QAM	22.16	24.46
5MHz	1 RB high	826.5	16QAM	22.20	24.50
5MHz	50%,low	826.5	16QAM	21.26	23.56
5MHz	50% RB mid	826.5	16QAM	21.33	23.63
5MHz	50%,high	826.5	16QAM	21.36	23.66
5MHz	100% RB	826.5	16QAM	21.31	23.61
5MHz	1 RB low	836.5	QPSK	23.16	25.46
5MHz	1 RB mid	836.5	QPSK	22.94	25.24
5MHz	1 RB high	836.5	QPSK	22.85	25.15
5MHz	50%,low	836.5	QPSK	22.11	24.41
5MHz	50% RB mid	836.5	QPSK	22.04	24.34
5MHz	50%,high	836.5	QPSK	21.98	24.28
5MHz	100% RB	836.5	QPSK	22.02	24.32
5MHz	1 RB low	836.5	16QAM	22.34	24.64
5MHz	1 RB mid	836.5	16QAM	22.18	24.48

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5MHz	1 RB high	836.5	16QAM	22.03	24.33
5MHz	50%,low	836.5	16QAM	21.21	23.51
5MHz	50% RB mid	836.5	16QAM	21.16	23.46
5MHz	50%,high	836.5	16QAM	21.12	23.42
5MHz	100% RB	836.5	16QAM	21.20	23.50
5MHz	1 RB low	846.5	QPSK	23.18	25.48
5MHz	1 RB mid	846.5	QPSK	23.32	25.62
5MHz	1 RB high	846.5	QPSK	23.25	25.55
5MHz	50%,low	846.5	QPSK	22.22	24.52
5MHz	50% RB mid	846.5	QPSK	22.25	24.55
5MHz	50%,high	846.5	QPSK	22.29	24.59
5MHz	100% RB	846.5	QPSK	22.26	24.56
5MHz	1 RB low	846.5	16QAM	22.52	24.82
5MHz	1 RB mid	846.5	16QAM	22.65	24.95
5MHz	1 RB high	846.5	16QAM	22.59	24.89
5MHz	50%,low	846.5	16QAM	21.40	23.70
5MHz	50% RB mid	846.5	16QAM	21.44	23.74
5MHz	50%,high	846.5	16QAM	21.37	23.67
5MHz	100% RB	846.5	16QAM	21.28	23.58
10MHz	1 RB low	829	QPSK	22.94	25.24
10MHz	1 RB mid	829	QPSK	23.24	25.54
10MHz	1 RB high	829	QPSK	23.25	25.55
10MHz	50%,low	829	QPSK	22.11	24.41
10MHz	50% RB mid	829	QPSK	22.17	24.47
10MHz	50%,high	829	QPSK	22.23	24.53
10MHz	100% RB	829	QPSK	22.24	24.54
10MHz	1 RB low	836.5	QPSK	23.14	25.44
10MHz	1 RB mid	836.5	QPSK	22.94	25.24
10MHz	1 RB high	836.5	QPSK	22.74	25.04
10MHz	50%,low	836.5	QPSK	22.14	24.44
10MHz	50% RB mid	836.5	QPSK	22.01	24.31
10MHz	50%,high	836.5	QPSK	21.84	24.14
10MHz	100% RB	836.5	QPSK	22.06	24.36
10MHz	1 RB low	844	QPSK	23.04	25.34
10MHz	1 RB mid	844	QPSK	23.19	25.49
10MHz	1 RB high	844	QPSK	23.19	25.49
10MHz	50%,low	844	QPSK	22.19	24.49
10MHz	50% RB mid	844	QPSK	22.18	24.48
10MHz	50%,high	844	QPSK	22.22	24.52

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10MHz	100% RB	844	QPSK	22.17	24.47
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LTE band 12
ERP Limits 34.8dBm(3w)
Max ERP:24.00dBm

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Power (dBm)	Radiated Power(dBm) G _T =0.15dBi
1.4MHz	1 RB low	699.7	QPSK	23.16	23.31
1.4MHz	1 RB mid	699.7	QPSK	23.46	23.61
1.4MHz	1 RB high	699.7	QPSK	23.56	23.71
1.4MHz	50%,low	699.7	QPSK	23.34	23.49
1.4MHz	50% RB mid	699.7	QPSK	23.48	23.63
1.4MHz	50%,high	699.7	QPSK	23.53	23.68
1.4MHz	100% RB	699.7	QPSK	22.49	22.64
1.4MHz	1 RB low	699.7	16QAM	22.41	22.56
1.4MHz	1 RB mid	699.7	16QAM	22.68	22.83
1.4MHz	1 RB high	699.7	16QAM	22.69	22.84
1.4MHz	50%,low	699.7	16QAM	22.46	22.61
1.4MHz	50% RB mid	699.7	16QAM	22.57	22.72
1.4MHz	50%,high	699.7	16QAM	22.71	22.86
1.4MHz	100% RB	699.7	16QAM	21.74	21.89
1.4MHz	1 RB low	707.5	QPSK	22.78	22.93
1.4MHz	1 RB mid	707.5	QPSK	22.83	22.98
1.4MHz	1 RB high	707.5	QPSK	22.94	23.09
1.4MHz	50%,low	707.5	QPSK	22.86	23.01
1.4MHz	50% RB mid	707.5	QPSK	22.82	22.97
1.4MHz	50%,high	707.5	QPSK	22.89	23.04
1.4MHz	100% RB	707.5	QPSK	21.96	22.11
1.4MHz	1 RB low	707.5	16QAM	22.06	22.21
1.4MHz	1 RB mid	707.5	16QAM	22.11	22.26
1.4MHz	1 RB high	707.5	16QAM	22.17	22.32
1.4MHz	50%,low	707.5	16QAM	22.01	22.16
1.4MHz	50% RB mid	707.5	16QAM	22.01	22.16
1.4MHz	50%,high	707.5	16QAM	22.04	22.19
1.4MHz	100% RB	707.5	16QAM	21.13	21.28
1.4MHz	1 RB low	715.3	QPSK	23.61	23.76
1.4MHz	1 RB mid	715.3	QPSK	23.55	23.70
1.4MHz	1 RB high	715.3	QPSK	23.53	23.68
1.4MHz	50%,low	715.3	QPSK	23.64	23.79
1.4MHz	50% RB mid	715.3	QPSK	23.60	23.75

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1.4MHz	50%,high	715.3	QPSK	23.51	23.66
1.4MHz	100% RB	715.3	QPSK	22.72	22.87
1.4MHz	1 RB low	715.3	16QAM	22.96	23.11
1.4MHz	1 RB mid	715.3	16QAM	22.90	23.05
1.4MHz	1 RB high	715.3	16QAM	22.82	22.97
1.4MHz	50%,low	715.3	16QAM	22.94	23.09
1.4MHz	50% RB mid	715.3	16QAM	22.89	23.04
1.4MHz	50%,high	715.3	16QAM	22.69	22.84
1.4MHz	100% RB	715.3	16QAM	21.70	21.85
3MHz	1 RB low	700.5	QPSK	23.03	23.18
3MHz	1 RB mid	700.5	QPSK	23.62	23.77
3MHz	1 RB high	700.5	QPSK	23.55	23.70
3MHz	50%,low	700.5	QPSK	22.52	22.67
3MHz	50% RB mid	700.5	QPSK	22.59	22.74
3MHz	50%,high	700.5	QPSK	22.60	22.75
3MHz	100% RB	700.5	QPSK	22.48	22.63
3MHz	1 RB low	700.5	16QAM	22.28	22.43
3MHz	1 RB mid	700.5	16QAM	22.79	22.94
3MHz	1 RB high	700.5	16QAM	22.72	22.87
3MHz	50%,low	700.5	16QAM	21.65	21.80
3MHz	50% RB mid	700.5	16QAM	21.82	21.97
3MHz	50%,high	700.5	16QAM	21.97	22.12
3MHz	100% RB	700.5	16QAM	21.67	21.82
3MHz	1 RB low	707.5	QPSK	22.84	22.99
3MHz	1 RB mid	707.5	QPSK	22.84	22.99
3MHz	1 RB high	707.5	QPSK	22.95	23.10
3MHz	50%,low	707.5	QPSK	21.96	22.11
3MHz	50% RB mid	707.5	QPSK	21.98	22.13
3MHz	50%,high	707.5	QPSK	22.03	22.18
3MHz	100% RB	707.5	QPSK	21.96	22.11
3MHz	1 RB low	707.5	16QAM	22.00	22.15
3MHz	1 RB mid	707.5	16QAM	22.08	22.23
3MHz	1 RB high	707.5	16QAM	22.08	22.23
3MHz	50%,low	707.5	16QAM	21.06	21.21
3MHz	50% RB mid	707.5	16QAM	21.09	21.24
3MHz	50%,high	707.5	16QAM	21.31	21.46
3MHz	100% RB	707.5	16QAM	21.15	21.30
3MHz	1 RB low	714.5	QPSK	23.37	23.52
3MHz	1 RB mid	714.5	QPSK	23.63	23.78

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3MHz	1 RB high	714.5	QPSK	23.27	23.42
3MHz	50%,low	714.5	QPSK	22.76	22.91
3MHz	50% RB mid	714.5	QPSK	22.80	22.95
3MHz	50%,high	714.5	QPSK	22.74	22.89
3MHz	100% RB	714.5	QPSK	22.69	22.84
3MHz	1 RB low	714.5	16QAM	22.88	23.03
3MHz	1 RB mid	714.5	16QAM	23.04	23.19
3MHz	1 RB high	714.5	16QAM	22.71	22.86
3MHz	50%,low	714.5	16QAM	21.83	21.98
3MHz	50% RB mid	714.5	16QAM	21.75	21.90
3MHz	50%,high	714.5	16QAM	21.77	21.92
3MHz	100% RB	714.5	16QAM	21.70	21.85
5MHz	1 RB low	701.5	QPSK	23.36	23.51
5MHz	1 RB mid	701.5	QPSK	23.79	23.94
5MHz	1 RB high	701.5	QPSK	23.55	23.70
5MHz	50%,low	701.5	QPSK	22.66	22.81
5MHz	50% RB mid	701.5	QPSK	22.74	22.89
5MHz	50%,high	701.5	QPSK	22.77	22.92
5MHz	100% RB	701.5	QPSK	22.76	22.91
5MHz	1 RB low	701.5	16QAM	22.79	22.94
5MHz	1 RB mid	701.5	16QAM	23.32	23.47
5MHz	1 RB high	701.5	16QAM	23.15	23.30
5MHz	50%,low	701.5	16QAM	21.94	22.09
5MHz	50% RB mid	701.5	16QAM	22.06	22.21
5MHz	50%,high	701.5	16QAM	22.11	22.26
5MHz	100% RB	701.5	16QAM	21.95	22.10
5MHz	1 RB low	707.5	QPSK	23.24	23.39
5MHz	1 RB mid	707.5	QPSK	22.98	23.13
5MHz	1 RB high	707.5	QPSK	23.16	23.31
5MHz	50%,low	707.5	QPSK	22.09	22.24
5MHz	50% RB mid	707.5	QPSK	22.04	22.19
5MHz	50%,high	707.5	QPSK	22.10	22.25
5MHz	100% RB	707.5	QPSK	22.10	22.25
5MHz	1 RB low	707.5	16QAM	22.23	22.38
5MHz	1 RB mid	707.5	16QAM	21.97	22.12
5MHz	1 RB high	707.5	16QAM	22.22	22.37
5MHz	50%,low	707.5	16QAM	21.26	21.41
5MHz	50% RB mid	707.5	16QAM	21.22	21.37
5MHz	50%,high	707.5	16QAM	21.29	21.44

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5MHz	100% RB	707.5	16QAM	21.26	21.41
5MHz	1 RB low	713.5	QPSK	23.46	23.61
5MHz	1 RB mid	713.5	QPSK	23.85	24.00
5MHz	1 RB high	713.5	QPSK	23.58	23.73
5MHz	50%,low	713.5	QPSK	22.60	22.75
5MHz	50% RB mid	713.5	QPSK	22.80	22.95
5MHz	50%,high	713.5	QPSK	22.85	23.00
5MHz	100% RB	713.5	QPSK	22.72	22.87
5MHz	1 RB low	713.5	16QAM	22.57	22.72
5MHz	1 RB mid	713.5	16QAM	23.00	23.15
5MHz	1 RB high	713.5	16QAM	22.79	22.94
5MHz	50%,low	713.5	16QAM	21.76	21.91
5MHz	50% RB mid	713.5	16QAM	21.95	22.10
5MHz	50%,high	713.5	16QAM	22.01	22.16
5MHz	100% RB	713.5	16QAM	21.92	22.07
10MHz	1 RB low	704	QPSK	23.12	23.27
10MHz	1 RB mid	704	QPSK	23.31	23.46
10MHz	1 RB high	704	QPSK	22.91	23.06
10MHz	50%,low	704	QPSK	22.50	22.65
10MHz	50% RB mid	704	QPSK	22.51	22.66
10MHz	50%,high	704	QPSK	22.13	22.28
10MHz	100% RB	704	QPSK	22.48	22.63
10MHz	1 RB low	707.5	QPSK	23.67	23.82
10MHz	1 RB mid	707.5	QPSK	22.90	23.05
10MHz	1 RB high	707.5	QPSK	23.45	23.60
10MHz	50%,low	707.5	QPSK	22.38	22.53
10MHz	50% RB mid	707.5	QPSK	22.27	22.42
10MHz	50%,high	707.5	QPSK	22.37	22.52
10MHz	100% RB	707.5	QPSK	22.42	22.57
10MHz	1 RB low	711	QPSK	22.92	23.07
10MHz	1 RB mid	711	QPSK	23.19	23.34
10MHz	1 RB high	711	QPSK	23.51	23.66
10MHz	50%,low	711	QPSK	22.12	22.27
10MHz	50% RB mid	711	QPSK	22.40	22.55
10MHz	50%,high	711	QPSK	22.73	22.88
10MHz	100% RB	711	QPSK	22.49	22.64

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LTE band 13
ERP Limits 34.8dBm(3w)
Max ERP:23.43dBm

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Power (dBm)	Radiated Power(dBm) G _T =0.15dBi
5MHz	1 RB low	779.5	QPSK	23.09	23.24
5MHz	1 RB mid	779.5	QPSK	23.11	23.26
5MHz	1 RB high	779.5	QPSK	23.06	23.21
5MHz	50%,low	779.5	QPSK	22.00	22.15
5MHz	50% RB mid	779.5	QPSK	22.17	22.32
5MHz	50%,high	779.5	QPSK	22.18	22.33
5MHz	100% RB	779.5	QPSK	22.12	22.27
5MHz	1 RB low	779.5	16QAM	22.03	22.18
5MHz	1 RB mid	779.5	16QAM	22.18	22.33
5MHz	1 RB high	779.5	16QAM	22.23	22.38
5MHz	50%,low	779.5	16QAM	21.08	21.23
5MHz	50% RB mid	779.5	16QAM	21.19	21.34
5MHz	50%,high	779.5	16QAM	21.24	21.39
5MHz	100% RB	779.5	16QAM	21.17	21.32
5MHz	1 RB low	782	QPSK	23.28	23.43
5MHz	1 RB mid	782	QPSK	23.18	23.33
5MHz	1 RB high	782	QPSK	23.00	23.15
5MHz	50%,low	782	QPSK	22.44	22.59
5MHz	50% RB mid	782	QPSK	22.25	22.40
5MHz	50%,high	782	QPSK	22.16	22.31
5MHz	100% RB	782	QPSK	22.24	22.39
5MHz	1 RB low	782	16QAM	22.50	22.65
5MHz	1 RB mid	782	16QAM	22.36	22.51
5MHz	1 RB high	782	16QAM	22.20	22.35
5MHz	50%,low	782	16QAM	21.46	21.61
5MHz	50% RB mid	782	16QAM	21.35	21.50
5MHz	50%,high	782	16QAM	21.27	21.42
5MHz	100% RB	782	16QAM	21.39	21.54
5MHz	1 RB low	784.5	QPSK	23.23	23.38
5MHz	1 RB mid	784.5	QPSK	23.14	23.29
5MHz	1 RB high	784.5	QPSK	23.28	23.43
5MHz	50%,low	784.5	QPSK	22.19	22.34
5MHz	50% RB mid	784.5	QPSK	22.20	22.35

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5MHz	50%,high	784.5	QPSK	22.24	22.39
5MHz	100% RB	784.5	QPSK	22.18	22.33
5MHz	1 RB low	784.5	16QAM	22.51	22.66
5MHz	1 RB mid	784.5	16QAM	22.49	22.64
5MHz	1 RB high	784.5	16QAM	22.51	22.66
5MHz	50%,low	784.5	16QAM	21.38	21.53
5MHz	50% RB mid	784.5	16QAM	21.41	21.56
5MHz	50%,high	784.5	16QAM	21.45	21.60
5MHz	100% RB	784.5	16QAM	21.36	21.51
10MHz	1 RB low	782	QPSK	23.11	23.26
10MHz	1 RB mid	782	QPSK	22.99	23.14
10MHz	1 RB high	782	QPSK	23.01	23.16
10MHz	50%,low	782	QPSK	22.26	22.41
10MHz	50% RB mid	782	QPSK	22.27	22.42
10MHz	50%,high	782	QPSK	22.15	22.30
10MHz	100% RB	782	QPSK	22.21	22.36

LTE band 66
EIRP Limits 30dBm(1w)
Max EIRP:24.84dBm

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Power (dBm)	Radiated Power(dBm) $G_T=2.30\text{dBi}$
1.4MHz	1 RB low	1710.7	QPSK	21.96	24.26
1.4MHz	1 RB mid	1710.7	QPSK	22.07	24.37
1.4MHz	1 RB high	1710.7	QPSK	22.00	24.30
1.4MHz	50%,low	1710.7	QPSK	21.87	24.17
1.4MHz	50% RB mid	1710.7	QPSK	21.98	24.28
1.4MHz	50%,high	1710.7	QPSK	21.91	24.21
1.4MHz	100% RB	1710.7	QPSK	21.04	23.34
1.4MHz	1 RB low	1710.7	16QAM	21.20	23.50
1.4MHz	1 RB mid	1710.7	16QAM	21.27	23.57
1.4MHz	1 RB high	1710.7	16QAM	21.22	23.52
1.4MHz	50%,low	1710.7	16QAM	21.16	23.46
1.4MHz	50% RB mid	1710.7	16QAM	21.17	23.47
1.4MHz	50%,high	1710.7	16QAM	21.14	23.44
1.4MHz	100% RB	1710.7	16QAM	20.11	22.41
1.4MHz	1 RB low	1745	QPSK	22.20	24.50
1.4MHz	1 RB mid	1745	QPSK	22.15	24.45
1.4MHz	1 RB high	1745	QPSK	22.15	24.45
1.4MHz	50%,low	1745	QPSK	22.10	24.40
1.4MHz	50% RB mid	1745	QPSK	22.11	24.41
1.4MHz	50%,high	1745	QPSK	22.07	24.37
1.4MHz	100% RB	1745	QPSK	21.07	23.37
1.4MHz	1 RB low	1745	16QAM	21.16	23.46
1.4MHz	1 RB mid	1745	16QAM	21.23	23.53
1.4MHz	1 RB high	1745	16QAM	21.19	23.49
1.4MHz	50%,low	1745	16QAM	21.16	23.46
1.4MHz	50% RB mid	1745	16QAM	21.19	23.49
1.4MHz	50%,high	1745	16QAM	21.22	23.52
1.4MHz	100% RB	1745	16QAM	20.22	22.52
1.4MHz	1 RB low	1779.3	QPSK	22.23	24.53
1.4MHz	1 RB mid	1779.3	QPSK	22.18	24.48
1.4MHz	1 RB high	1779.3	QPSK	22.18	24.48
1.4MHz	50%,low	1779.3	QPSK	22.14	24.44
1.4MHz	50% RB mid	1779.3	QPSK	22.09	24.39

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1.4MHz	50%,high	1779.3	QPSK	22.08	24.38
1.4MHz	100% RB	1779.3	QPSK	21.17	23.47
1.4MHz	1 RB low	1779.3	16QAM	21.26	23.56
1.4MHz	1 RB mid	1779.3	16QAM	21.32	23.62
1.4MHz	1 RB high	1779.3	16QAM	21.26	23.56
1.4MHz	50%,low	1779.3	16QAM	21.22	23.52
1.4MHz	50% RB mid	1779.3	16QAM	21.24	23.54
1.4MHz	50%,high	1779.3	16QAM	21.26	23.56
1.4MHz	100% RB	1779.3	16QAM	20.19	22.49
3MHz	1 RB low	1711.5	QPSK	21.76	24.06
3MHz	1 RB mid	1711.5	QPSK	21.90	24.20
3MHz	1 RB high	1711.5	QPSK	21.76	24.06
3MHz	50%,low	1711.5	QPSK	20.91	23.21
3MHz	50% RB mid	1711.5	QPSK	20.96	23.26
3MHz	50%,high	1711.5	QPSK	20.96	23.26
3MHz	100% RB	1711.5	QPSK	20.91	23.21
3MHz	1 RB low	1711.5	16QAM	20.86	23.16
3MHz	1 RB mid	1711.5	16QAM	21.07	23.37
3MHz	1 RB high	1711.5	16QAM	20.89	23.19
3MHz	50%,low	1711.5	16QAM	19.95	22.25
3MHz	50% RB mid	1711.5	16QAM	20.00	22.30
3MHz	50%,high	1711.5	16QAM	20.19	22.49
3MHz	100% RB	1711.5	16QAM	20.04	22.34
3MHz	1 RB low	1745	QPSK	22.00	24.30
3MHz	1 RB mid	1745	QPSK	22.07	24.37
3MHz	1 RB high	1745	QPSK	21.89	24.19
3MHz	50%,low	1745	QPSK	21.09	23.39
3MHz	50% RB mid	1745	QPSK	21.12	23.42
3MHz	50%,high	1745	QPSK	21.11	23.41
3MHz	100% RB	1745	QPSK	21.06	23.36
3MHz	1 RB low	1745	16QAM	21.23	23.53
3MHz	1 RB mid	1745	16QAM	21.35	23.65
3MHz	1 RB high	1745	16QAM	21.20	23.50
3MHz	50%,low	1745	16QAM	20.10	22.40
3MHz	50% RB mid	1745	16QAM	20.14	22.44
3MHz	50%,high	1745	16QAM	20.19	22.49
3MHz	100% RB	1745	16QAM	20.13	22.43
3MHz	1 RB low	1778.5	QPSK	22.13	24.43
3MHz	1 RB mid	1778.5	QPSK	22.27	24.57

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3MHz	1 RB high	1778.5	QPSK	22.07	24.37
3MHz	50%,low	1778.5	QPSK	21.22	23.52
3MHz	50% RB mid	1778.5	QPSK	21.23	23.53
3MHz	50%,high	1778.5	QPSK	21.26	23.56
3MHz	100% RB	1778.5	QPSK	21.19	23.49
3MHz	1 RB low	1778.5	16QAM	21.20	23.50
3MHz	1 RB mid	1778.5	16QAM	21.37	23.67
3MHz	1 RB high	1778.5	16QAM	21.20	23.50
3MHz	50%,low	1778.5	16QAM	20.24	22.54
3MHz	50% RB mid	1778.5	16QAM	20.31	22.61
3MHz	50%,high	1778.5	16QAM	20.47	22.77
3MHz	100% RB	1778.5	16QAM	20.20	22.50
5MHz	1 RB low	1712.5	QPSK	22.02	24.32
5MHz	1 RB mid	1712.5	QPSK	22.17	24.47
5MHz	1 RB high	1712.5	QPSK	22.07	24.37
5MHz	50%,low	1712.5	QPSK	21.09	23.39
5MHz	50% RB mid	1712.5	QPSK	21.19	23.49
5MHz	50%,high	1712.5	QPSK	21.15	23.45
5MHz	100% RB	1712.5	QPSK	21.11	23.41
5MHz	1 RB low	1712.5	16QAM	21.06	23.36
5MHz	1 RB mid	1712.5	16QAM	21.12	23.42
5MHz	1 RB high	1712.5	16QAM	21.02	23.32
5MHz	50%,low	1712.5	16QAM	20.22	22.52
5MHz	50% RB mid	1712.5	16QAM	20.26	22.56
5MHz	50%,high	1712.5	16QAM	20.25	22.55
5MHz	100% RB	1712.5	16QAM	20.21	22.51
5MHz	1 RB low	1745	QPSK	22.33	24.63
5MHz	1 RB mid	1745	QPSK	22.28	24.58
5MHz	1 RB high	1745	QPSK	22.17	24.47
5MHz	50%,low	1745	QPSK	21.23	23.53
5MHz	50% RB mid	1745	QPSK	21.19	23.49
5MHz	50%,high	1745	QPSK	21.19	23.49
5MHz	100% RB	1745	QPSK	21.19	23.49
5MHz	1 RB low	1745	16QAM	21.34	23.64
5MHz	1 RB mid	1745	16QAM	21.33	23.63
5MHz	1 RB high	1745	16QAM	21.28	23.58
5MHz	50%,low	1745	16QAM	20.27	22.57
5MHz	50% RB mid	1745	16QAM	20.24	22.54
5MHz	50%,high	1745	16QAM	20.23	22.53

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5MHz	100% RB	1745	16QAM	20.30	22.60
5MHz	1 RB low	1777.5	QPSK	22.36	24.66
5MHz	1 RB mid	1777.5	QPSK	22.31	24.61
5MHz	1 RB high	1777.5	QPSK	22.21	24.51
5MHz	50%,low	1777.5	QPSK	21.33	23.63
5MHz	50% RB mid	1777.5	QPSK	21.34	23.64
5MHz	50%,high	1777.5	QPSK	21.34	23.64
5MHz	100% RB	1777.5	QPSK	21.33	23.63
5MHz	1 RB low	1777.5	16QAM	21.67	23.97
5MHz	1 RB mid	1777.5	16QAM	21.68	23.98
5MHz	1 RB high	1777.5	16QAM	21.61	23.91
5MHz	50%,low	1777.5	16QAM	20.41	22.71
5MHz	50% RB mid	1777.5	16QAM	20.43	22.73
5MHz	50%,high	1777.5	16QAM	20.43	22.73
5MHz	100% RB	1777.5	16QAM	20.37	22.67
10MHz	1 RB low	1715	QPSK	22.00	24.30
10MHz	1 RB mid	1715	QPSK	21.93	24.23
10MHz	1 RB high	1715	QPSK	21.92	24.22
10MHz	50%,low	1715	QPSK	21.24	23.54
10MHz	50% RB mid	1715	QPSK	21.17	23.47
10MHz	50%,high	1715	QPSK	21.06	23.36
10MHz	100% RB	1715	QPSK	21.13	23.43
10MHz	1 RB low	1745	QPSK	22.39	24.69
10MHz	1 RB mid	1745	QPSK	22.19	24.49
10MHz	1 RB high	1745	QPSK	22.11	24.41
10MHz	50%,low	1745	QPSK	21.39	23.69
10MHz	50% RB mid	1745	QPSK	21.39	23.69
10MHz	50%,high	1745	QPSK	21.31	23.61
10MHz	100% RB	1745	QPSK	21.31	23.61
10MHz	1 RB low	1775	QPSK	22.44	24.74
10MHz	1 RB mid	1775	QPSK	22.39	24.69
10MHz	1 RB high	1775	QPSK	22.37	24.67
10MHz	50%,low	1775	QPSK	21.44	23.74
10MHz	50% RB mid	1775	QPSK	21.58	23.88
10MHz	50%,high	1775	QPSK	21.52	23.82
10MHz	100% RB	1775	QPSK	21.52	23.82
15MHz	1 RB low	1717.5	QPSK	21.98	24.28
15MHz	1 RB mid	1717.5	QPSK	21.94	24.24
15MHz	1 RB high	1717.5	QPSK	22.19	24.49

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15MHz	50%,low	1717.5	QPSK	21.24	23.54
15MHz	50% RB mid	1717.5	QPSK	21.18	23.48
15MHz	50%,high	1717.5	QPSK	21.23	23.53
15MHz	100% RB	1717.5	QPSK	21.19	23.49
15MHz	1 RB low	1745	QPSK	22.45	24.75
15MHz	1 RB mid	1745	QPSK	22.29	24.59
15MHz	1 RB high	1745	QPSK	22.19	24.49
15MHz	50%,low	1745	QPSK	21.35	23.65
15MHz	50% RB mid	1745	QPSK	21.32	23.62
15MHz	50%,high	1745	QPSK	21.24	23.54
15MHz	100% RB	1745	QPSK	21.29	23.59
15MHz	1 RB low	1772.5	QPSK	22.44	24.74
15MHz	1 RB mid	1772.5	QPSK	22.54	24.84
15MHz	1 RB high	1772.5	QPSK	22.49	24.79
15MHz	50%,low	1772.5	QPSK	21.48	23.78
15MHz	50% RB mid	1772.5	QPSK	21.52	23.82
15MHz	50%,high	1772.5	QPSK	21.52	23.82
15MHz	100% RB	1772.5	QPSK	21.48	23.78
20MHz	1 RB low	1720	QPSK	22.28	24.58
20MHz	1 RB mid	1720	QPSK	22.19	24.49
20MHz	1 RB high	1720	QPSK	22.54	24.84
20MHz	50%,low	1720	QPSK	21.22	23.52
20MHz	50% RB mid	1720	QPSK	21.23	23.53
20MHz	50%,high	1720	QPSK	21.38	23.68
20MHz	100% RB	1720	QPSK	21.32	23.62
20MHz	1 RB low	1745	QPSK	22.43	24.73
20MHz	1 RB mid	1745	QPSK	22.36	24.66
20MHz	1 RB high	1745	QPSK	22.08	24.38
20MHz	50%,low	1745	QPSK	21.57	23.87
20MHz	50% RB mid	1745	QPSK	21.52	23.82
20MHz	50%,high	1745	QPSK	21.42	23.72
20MHz	100% RB	1745	QPSK	21.46	23.76
20MHz	1 RB low	1770	QPSK	22.19	24.49
20MHz	1 RB mid	1770	QPSK	22.53	24.83
20MHz	1 RB high	1770	QPSK	22.43	24.73
20MHz	50%,low	1770	QPSK	21.56	23.86
20MHz	50% RB mid	1770	QPSK	21.65	23.95
20MHz	50%,high	1770	QPSK	21.66	23.96
20MHz	100% RB	1770	QPSK	21.58	23.88

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LTE band 71
ERP Limits 34.8dBm(3w)
Max ERP: 23.70dBm

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Power (dBm)	Radiated Power(dBm) G _T = 0.15dBd
5MHz	1 RB low	665.5	QPSK	22.49	22.64
5MHz	1 RB mid	665.5	QPSK	22.94	23.09
5MHz	1 RB high	665.5	QPSK	23.12	23.27
5MHz	50%,low	665.5	QPSK	21.76	21.91
5MHz	50% RB mid	665.5	QPSK	21.85	22.00
5MHz	50%,high	665.5	QPSK	22.11	22.26
5MHz	100% RB	665.5	QPSK	22.01	22.16
5MHz	1 RB low	665.5	16QAM	21.74	21.89
5MHz	1 RB mid	665.5	16QAM	22.13	22.28
5MHz	1 RB high	665.5	16QAM	22.29	22.44
5MHz	50%,low	665.5	16QAM	20.97	21.12
5MHz	50% RB mid	665.5	16QAM	21.12	21.27
5MHz	50%,high	665.5	16QAM	21.29	21.44
5MHz	100% RB	665.5	16QAM	21.16	21.31
5MHz	1 RB low	680.5	QPSK	22.58	22.73
5MHz	1 RB mid	680.5	QPSK	23.13	23.28
5MHz	1 RB high	680.5	QPSK	23.46	23.61
5MHz	50%,low	680.5	QPSK	21.95	22.10
5MHz	50% RB mid	680.5	QPSK	22.19	22.34
5MHz	50%,high	680.5	QPSK	22.39	22.54
5MHz	100% RB	680.5	QPSK	22.31	22.46
5MHz	1 RB low	680.5	16QAM	22.10	22.25
5MHz	1 RB mid	680.5	16QAM	22.68	22.83
5MHz	1 RB high	680.5	16QAM	22.91	23.06
5MHz	50%,low	680.5	16QAM	21.13	21.28
5MHz	50% RB mid	680.5	16QAM	21.37	21.52
5MHz	50%,high	680.5	16QAM	21.57	21.72
5MHz	100% RB	680.5	16QAM	21.31	21.46
5MHz	1 RB low	695.5	QPSK	23.17	23.32
5MHz	1 RB mid	695.5	QPSK	23.52	23.67
5MHz	1 RB high	695.5	QPSK	23.54	23.69
5MHz	50%,low	695.5	QPSK	22.32	22.47

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5MHz	50% RB mid	695.5	QPSK	22.47	22.62
5MHz	50%,high	695.5	QPSK	22.56	22.71
5MHz	100% RB	695.5	QPSK	22.47	22.62
5MHz	1 RB low	695.5	16QAM	22.17	22.32
5MHz	1 RB mid	695.5	16QAM	22.53	22.68
5MHz	1 RB high	695.5	16QAM	22.57	22.72
5MHz	50%,low	695.5	16QAM	21.37	21.52
5MHz	50% RB mid	695.5	16QAM	21.52	21.67
5MHz	50%,high	695.5	16QAM	21.63	21.78
5MHz	100% RB	695.5	16QAM	21.51	21.66
10MHz	1 RB low	668	QPSK	22.71	22.86
10MHz	1 RB mid	668	QPSK	23.16	23.31
10MHz	1 RB high	668	QPSK	22.67	22.82
10MHz	50%,low	668	QPSK	22.11	22.26
10MHz	50% RB mid	668	QPSK	22.22	22.37
10MHz	50%,high	668	QPSK	22.02	22.17
10MHz	100% RB	668	QPSK	22.16	22.31
10MHz	1 RB low	680.5	QPSK	22.34	22.49
10MHz	1 RB mid	680.5	QPSK	23.21	23.36
10MHz	1 RB high	680.5	QPSK	23.51	23.66
10MHz	50%,low	680.5	QPSK	21.90	22.05
10MHz	50% RB mid	680.5	QPSK	22.31	22.46
10MHz	50%,high	680.5	QPSK	22.60	22.75
10MHz	100% RB	680.5	QPSK	22.25	22.40
10MHz	1 RB low	693	QPSK	23.20	23.35
10MHz	1 RB mid	693	QPSK	23.10	23.25
10MHz	1 RB high	693	QPSK	23.43	23.58
10MHz	50%,low	693	QPSK	22.06	22.21
10MHz	50% RB mid	693	QPSK	22.12	22.27
10MHz	50%,high	693	QPSK	22.32	22.47
10MHz	100% RB	693	QPSK	22.20	22.35
15MHz	1 RB low	670.5	QPSK	22.76	22.91
15MHz	1 RB mid	670.5	QPSK	23.10	23.25
15MHz	1 RB high	670.5	QPSK	22.51	22.66
15MHz	50%,low	670.5	QPSK	22.14	22.29
15MHz	50% RB mid	670.5	QPSK	22.05	22.20
15MHz	50%,high	670.5	QPSK	21.69	21.84
15MHz	100% RB	670.5	QPSK	21.91	22.06
15MHz	1 RB low	680.5	QPSK	22.34	22.49

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15MHz	1 RB mid	680.5	QPSK	23.34	23.49
15MHz	1 RB high	680.5	QPSK	23.32	23.47
15MHz	50%,low	680.5	QPSK	21.76	21.91
15MHz	50% RB mid	680.5	QPSK	22.29	22.44
15MHz	50%,high	680.5	QPSK	22.61	22.76
15MHz	100% RB	680.5	QPSK	22.31	22.46
15MHz	1 RB low	690.5	QPSK	23.49	23.64
15MHz	1 RB mid	690.5	QPSK	23.21	23.36
15MHz	1 RB high	690.5	QPSK	23.49	23.64
15MHz	50%,low	690.5	QPSK	22.41	22.56
15MHz	50% RB mid	690.5	QPSK	22.22	22.37
15MHz	50%,high	690.5	QPSK	22.31	22.46
15MHz	100% RB	690.5	QPSK	22.35	22.50
20MHz	1 RB low	673	QPSK	22.73	22.88
20MHz	1 RB mid	673	QPSK	22.52	22.67
20MHz	1 RB high	673	QPSK	23.39	23.54
20MHz	50%,low	673	QPSK	22.09	22.24
20MHz	50% RB mid	673	QPSK	21.95	22.10
20MHz	50%,high	673	QPSK	22.01	22.16
20MHz	100% RB	673	QPSK	22.10	22.25
20MHz	1 RB low	683	QPSK	22.17	22.32
20MHz	1 RB mid	683	QPSK	23.55	23.70
20MHz	1 RB high	683	QPSK	22.87	23.02
20MHz	50%,low	683	QPSK	21.81	21.96
20MHz	50% RB mid	683	QPSK	22.32	22.47
20MHz	50%,high	683	QPSK	22.35	22.50
20MHz	100% RB	683	QPSK	22.21	22.36
20MHz	1 RB low	688	QPSK	22.66	22.81
20MHz	1 RB mid	688	QPSK	23.35	23.50
20MHz	1 RB high	688	QPSK	23.32	23.47
20MHz	50%,low	688	QPSK	22.46	22.61
20MHz	50% RB mid	688	QPSK	22.39	22.54
20MHz	50%,high	688	QPSK	22.33	22.48
20MHz	100% RB	688	QPSK	22.50	22.65

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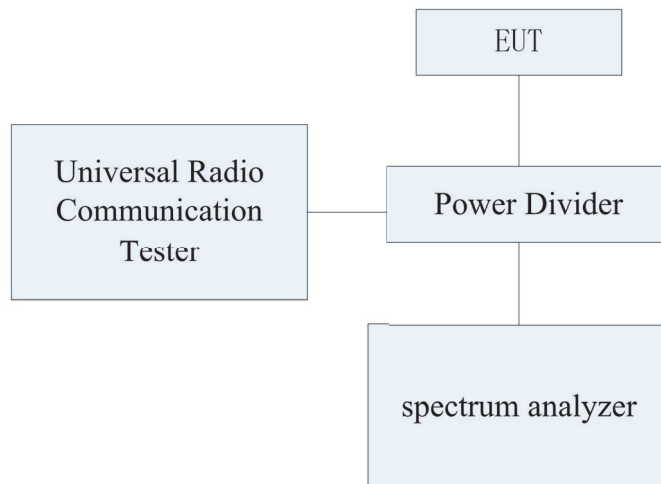
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6.4. Occupied Bandwidth

Specifications:	--
DUT Serial Number:	IMEI:866234079631808
Test conditions:	Ambient Temperature:15°C-35°C Relative Humidity:30%-70% Air pressure: 86-106kPa
Test Results:	--

Test Setup

During the test, the EUT was controlled via the Wireless Communications Test Set to ensure max power transmission and proper modulation and measured by spectrum analyzer.



Measurement Uncertainty:

Item	Uncertainty
Expanded Uncertainty	70.04 Hz (k=2)

Test Method

The 99% occupied Bandwidth was calculated from the spectrum analyzer. Markers in the spectrum analyzer were then placed between the calculated frequencies to show the calculated 99% power Band. The 26dB Bandwidth was also measured and recorded.

Note: --

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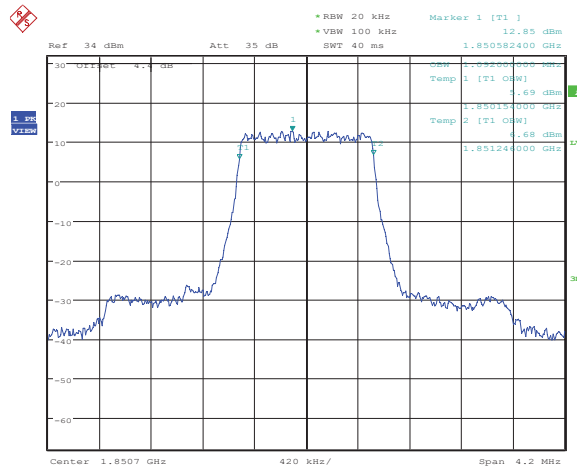
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6.4.1 occupied bandwidth Results

LTE band 2,1.4MHz(99%)

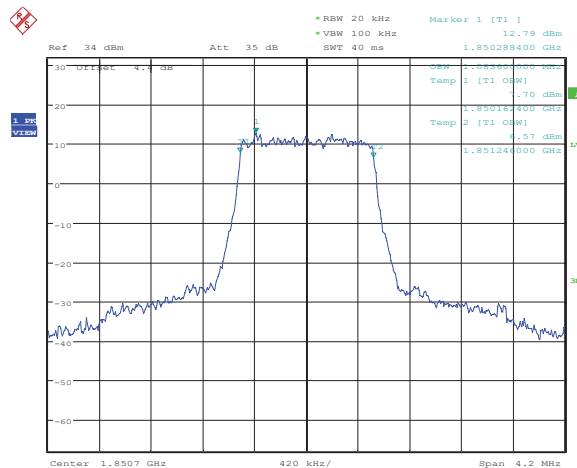
Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1850.7	1.092	1.084
1880	1.092	1.092
1909.3	1.092	1.092

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



Date: 22.JAN.2025 17:08:54

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

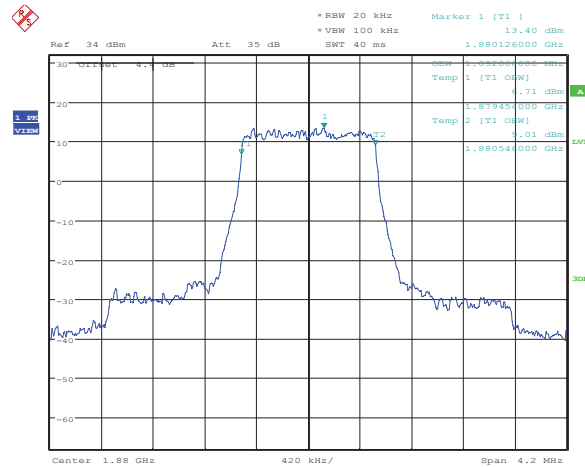


Date: 22.JAN.2025 17:09:20

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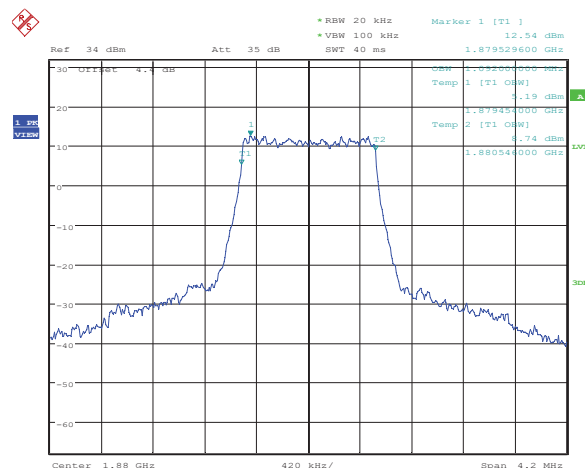
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LTE band 2 , 1.4MHz Bandwidth,MID,QPSK (99% BW)



Date: 22.JAN.2025 17:09:49

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

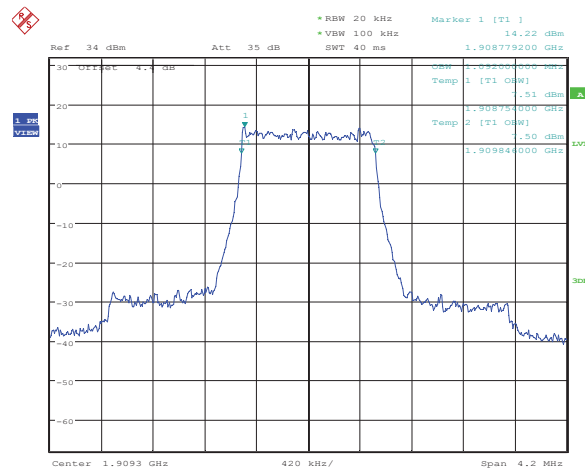


Date: 22.JAN.2025 17:10:12

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

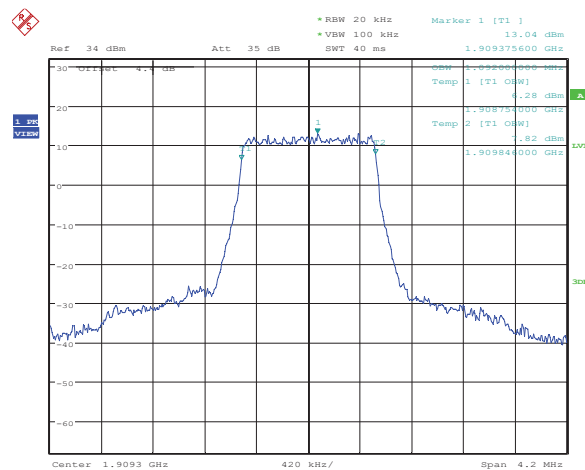
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Date: 22.JAN.2025 17:10:41

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



Date: 22.JAN.2025 17:11:03

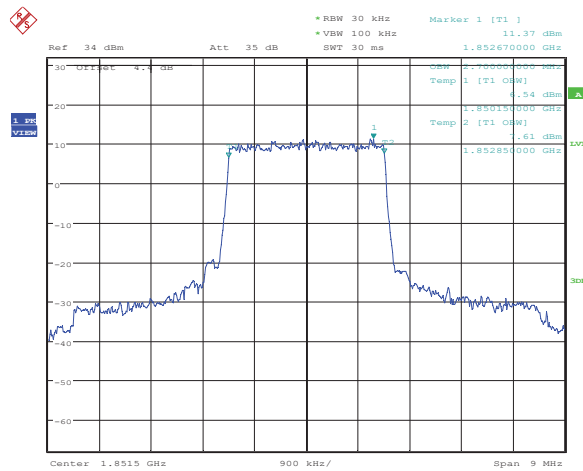
LTE band 2,3MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1851.5	2.700	2.715
1880	2.685	2.700
1908.5	2.700	2.700

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

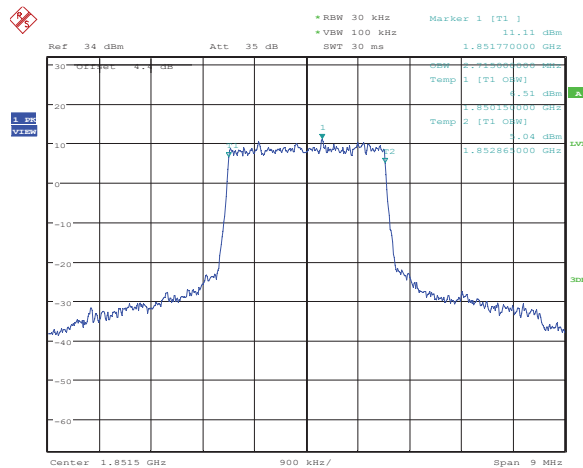
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Date: 22.JAN.2025 17:11:36

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

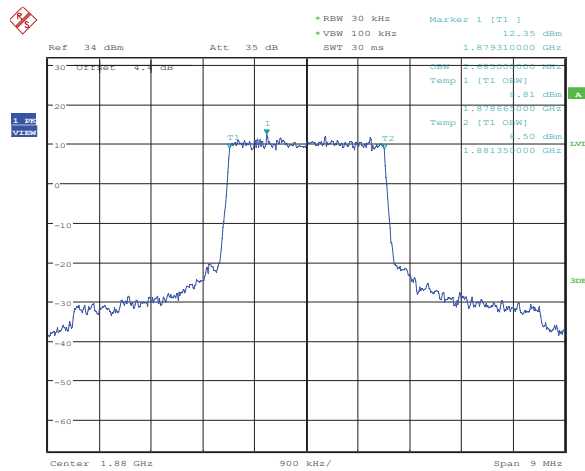


Date: 22.JAN.2025 17:11:58

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

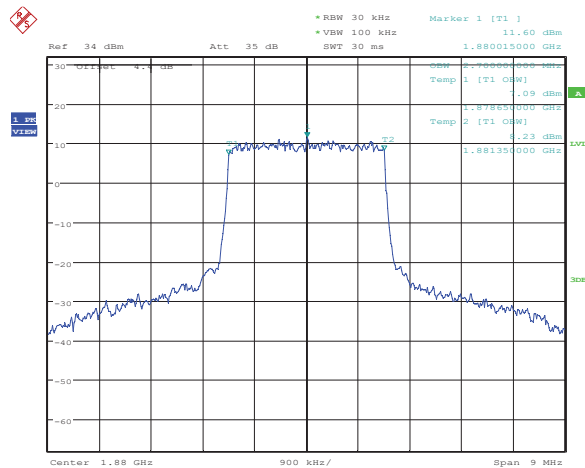
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Date: 22.JAN.2025 17:12:25

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

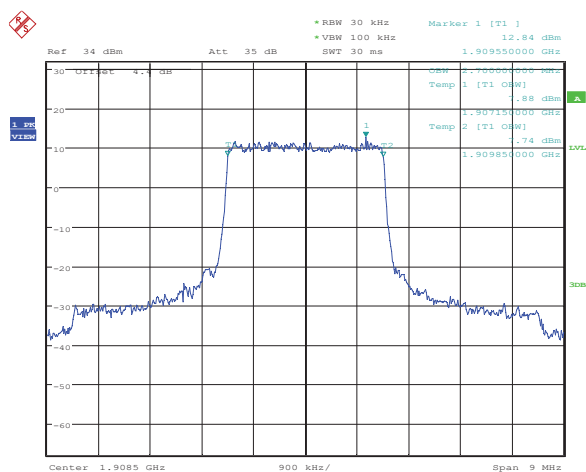


Date: 22.JAN.2025 17:12:47

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

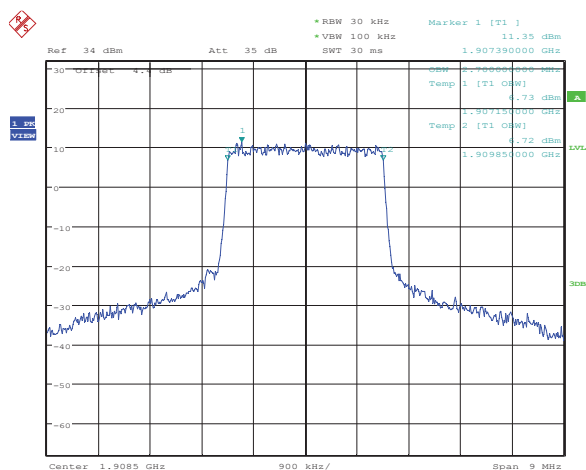
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Date: 22.JAN.2025 17:13:14

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



Date: 22.JAN.2025 17:13:37

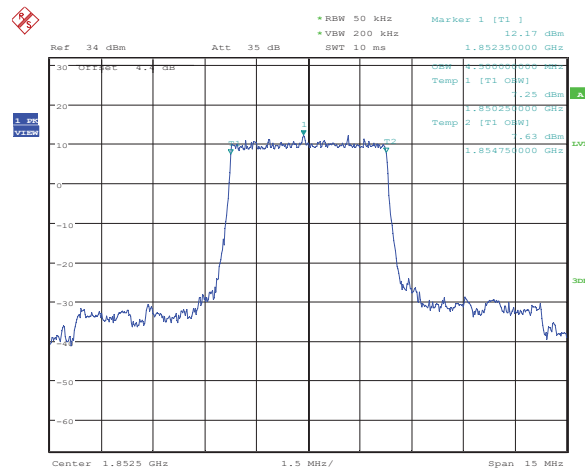
LTE band 2,5MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1852.5	4.500	4.475
1880	4.500	4.500
1907.5	4.475	4.500

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

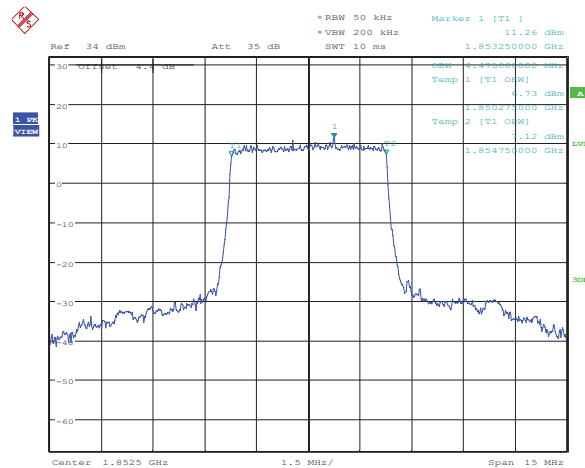
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Date: 22.JAN.2025 17:14:10

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

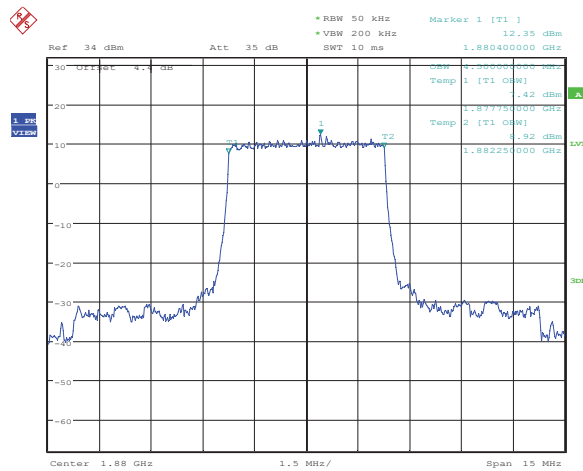


Date: 22.JAN.2025 17:14:32

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

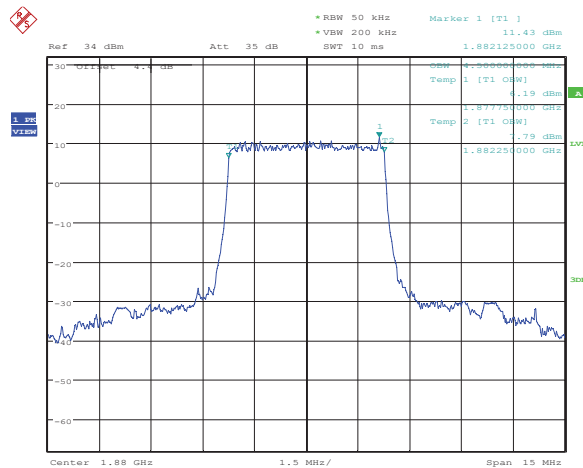
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Date: 22.JAN.2025 17:14:59

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

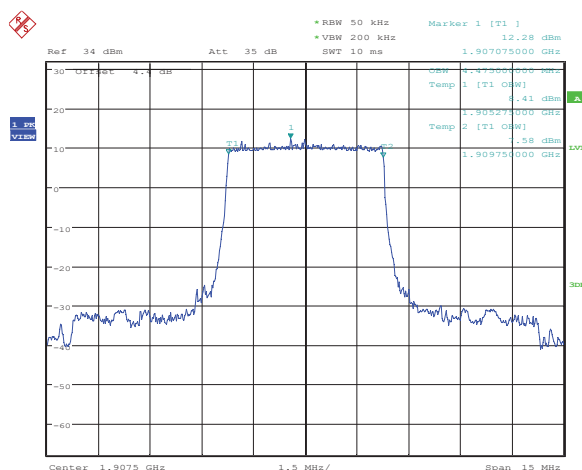


Date: 22.JAN.2025 17:15:25

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

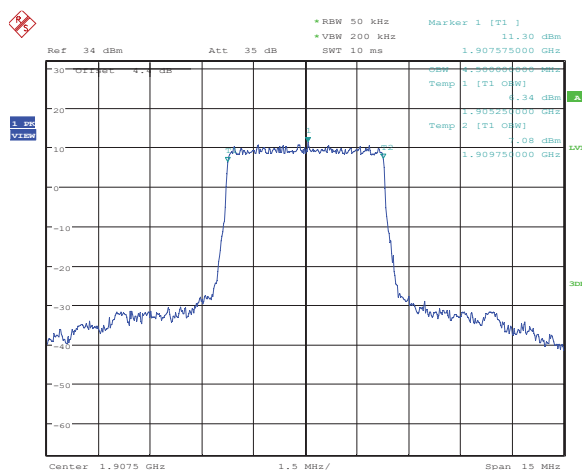
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Date: 22.JAN.2025 17:15:51

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



Date: 22.JAN.2025 17:16:17

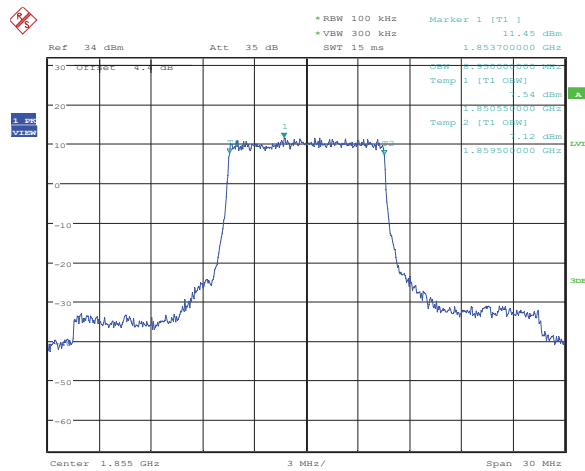
LTE band 2,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)
	QPSK
1855	8.950
1880	8.950
1905	9.000

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

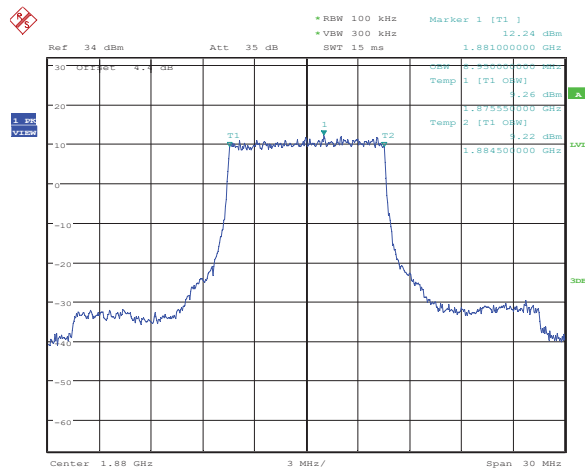
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Date: 22.JAN.2025 17:16:52

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

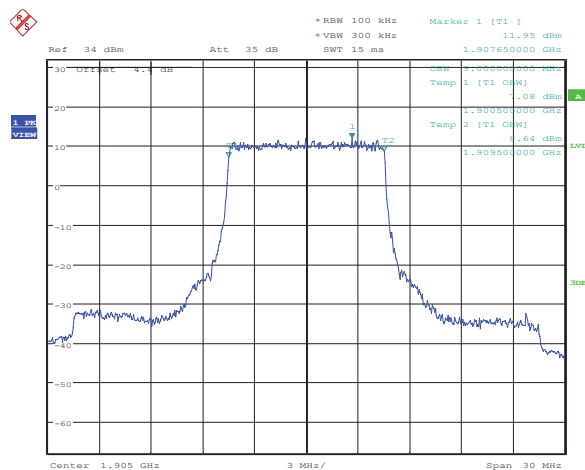


Date: 22.JAN.2025 17:17:44

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

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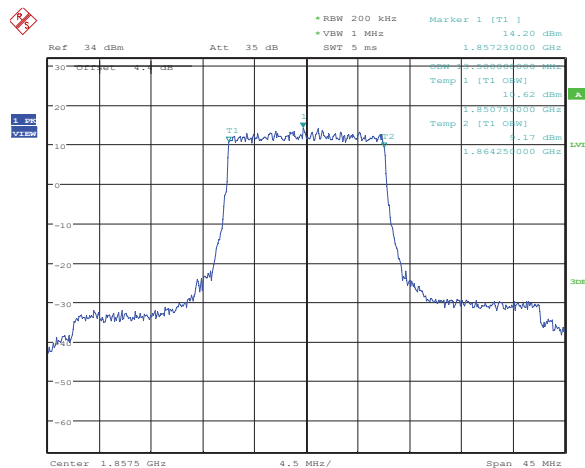


Date: 22.JAN.2025 17:18:44

LTE band 2,15MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)
	QPSK
1857.5	13.500
1880	13.500
1902.5	13.500

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

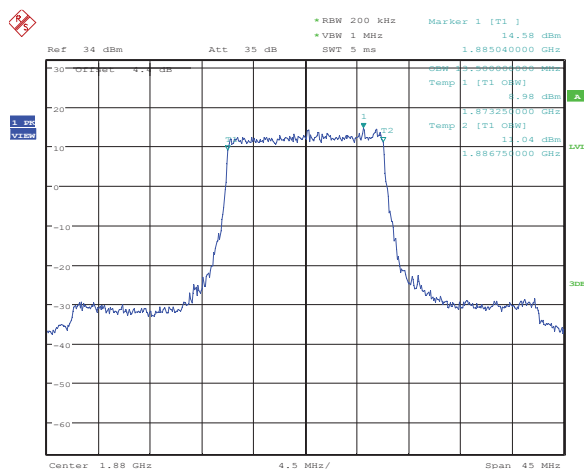


Date: 22.JAN.2025 17:20:01

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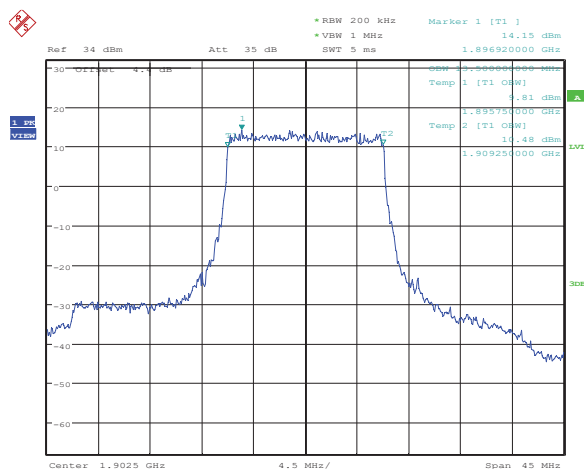
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LTE band 2 , 15MHz Bandwidth,MID,QPSK (99% BW)



Date: 22.JAN.2025 17:21:17

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



Date: 22.JAN.2025 17:23:50

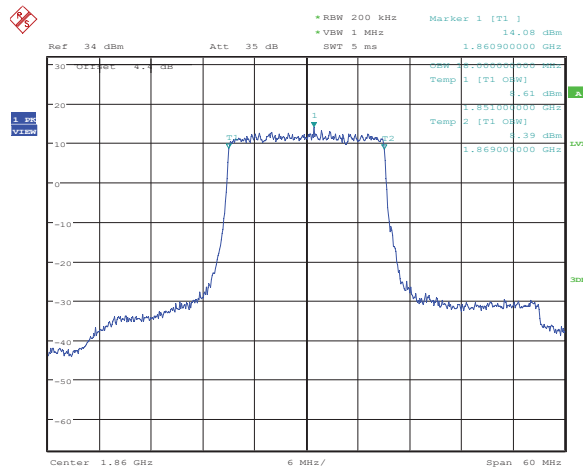
LTE band 2,20MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)
	QPSK
1860	18.000
1880	17.900
1900	18.000

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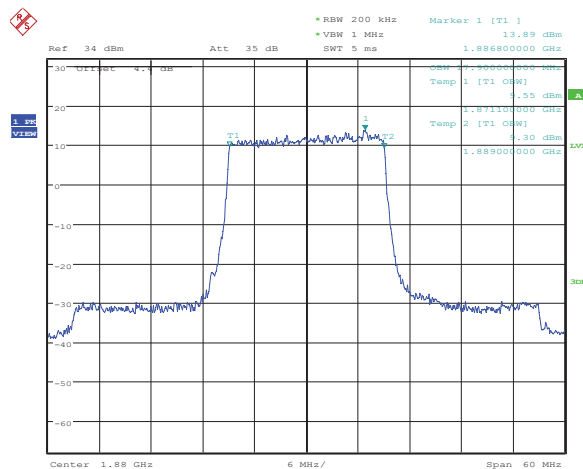
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LTE band 2 , 20MHz Bandwidth,LOW,QPSK (99% BW)



Date: 22.JAN.2025 17:53:39

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

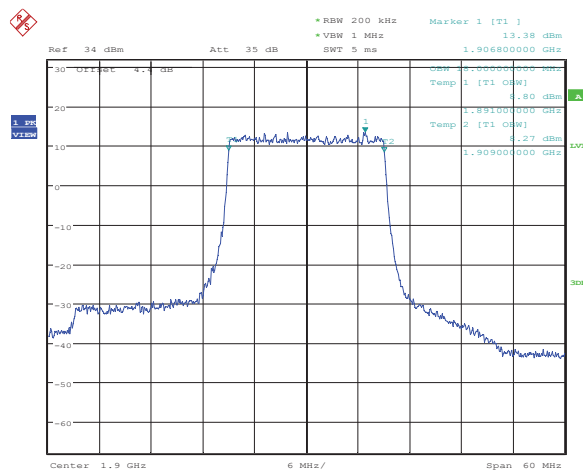


Date: 22.JAN.2025 17:28:33

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

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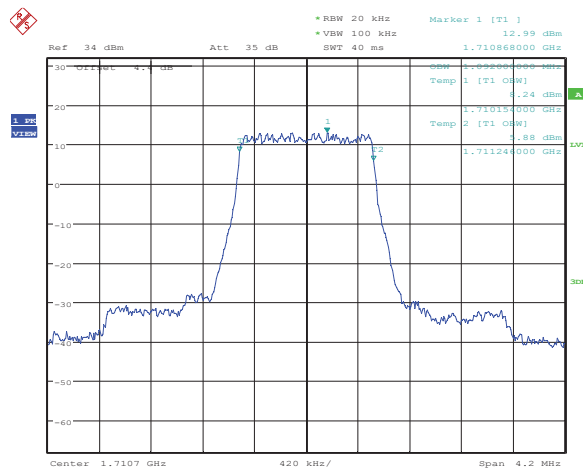


Date: 22.JAN.2025 17:29:55

LTE band 4,1.4MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1710.7	1.092	1.084
1732.5	1.092	1.092
1754.3	1.092	1.092

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

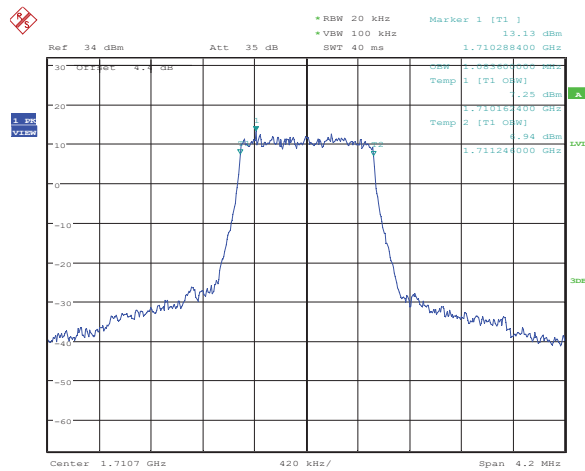


Date: 22.JAN.2025 17:59:02

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

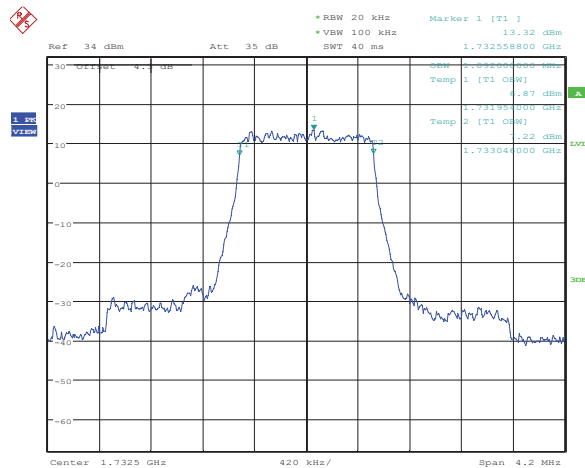
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Date: 23.JAN.2025 09:31:10

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

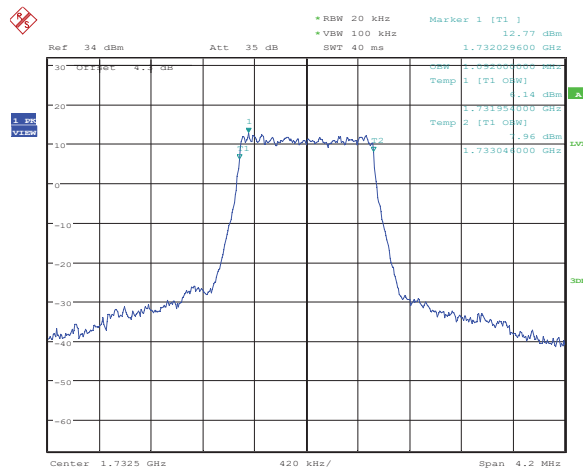


Date: 23.JAN.2025 09:31:37

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

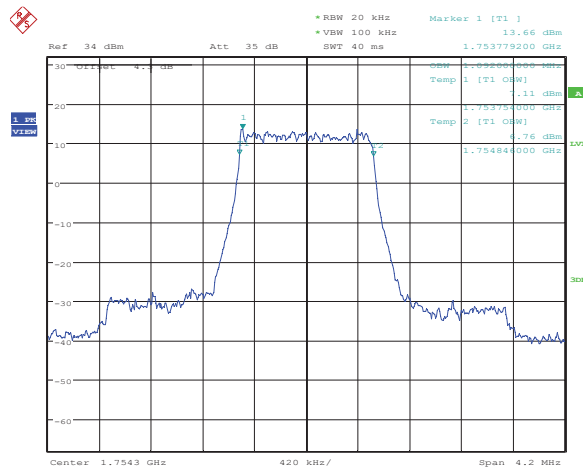
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Date: 23.JAN.2025 09:31:59

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

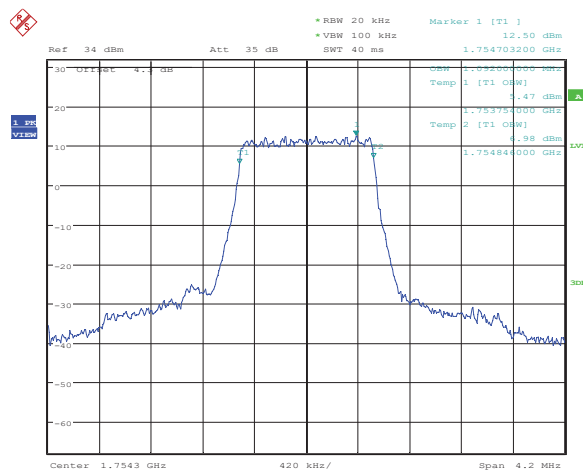


Date: 23.JAN.2025 09:32:25

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

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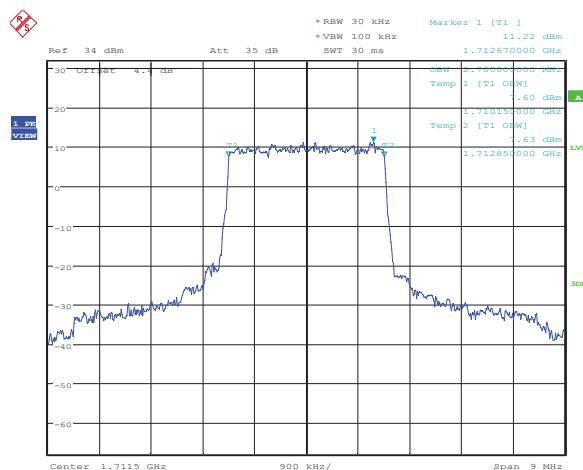


Date: 23.JAN.2025 09:32:53

LTE band 4,3MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1711.5	2.700	2.700
1732.5	2.700	2.700
1753.5	2.700	2.700

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

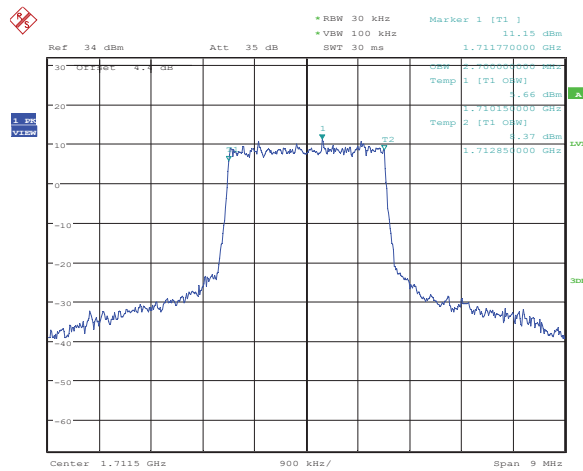


Date: 23.JAN.2025 09:33:29

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

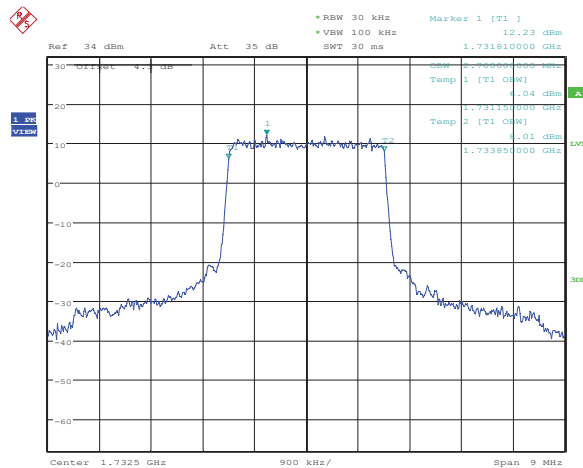
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Date: 23.JAN.2025 09:33:52

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

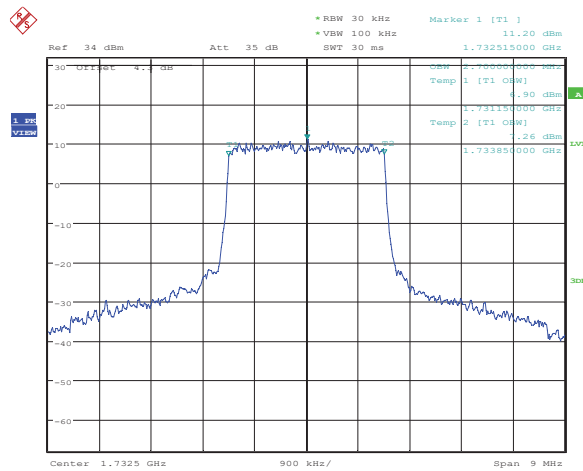


Date: 23.JAN.2025 09:34:18

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

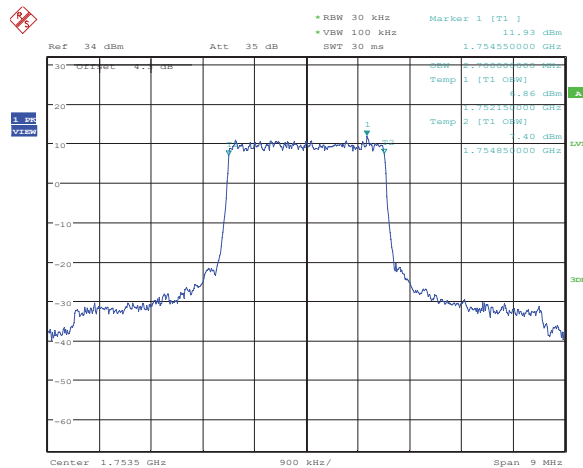
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Date: 23.JAN.2025 09:34:48

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

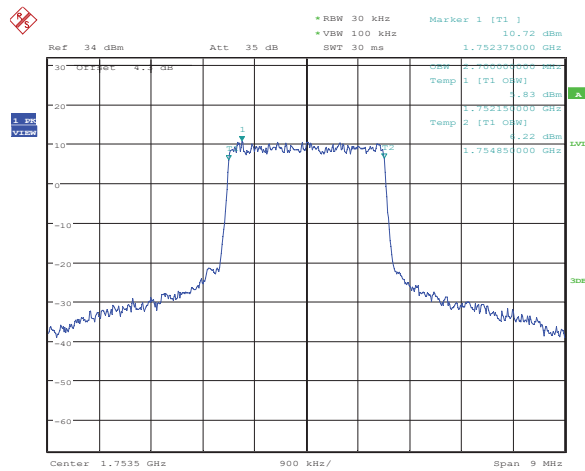


Date: 23.JAN.2025 09:35:18

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

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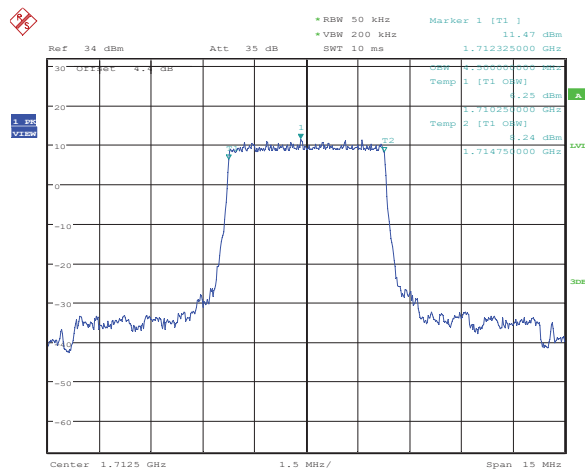


Date: 23.JAN.2025 09:35:39

LTE band 4,5MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1712.5	4.500	4.475
1732.5	4.500	4.500
1752.5	4.500	4.500

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

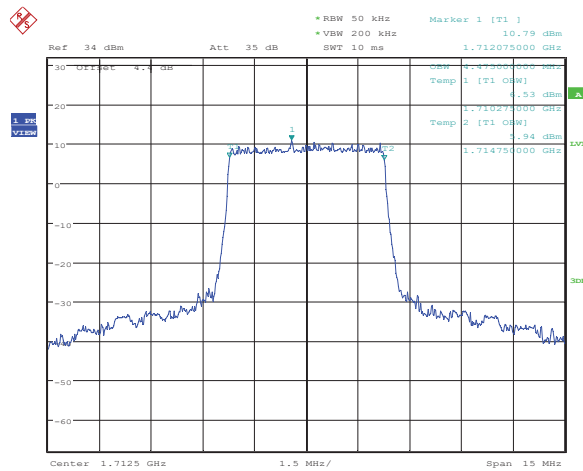


Date: 23.JAN.2025 09:36:16

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

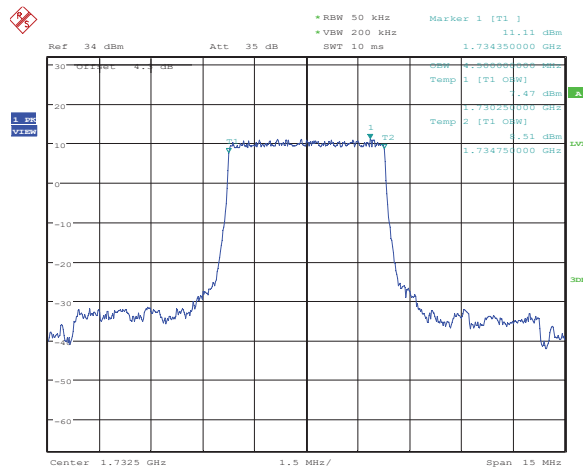
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Date: 23.JAN.2025 09:36:37

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

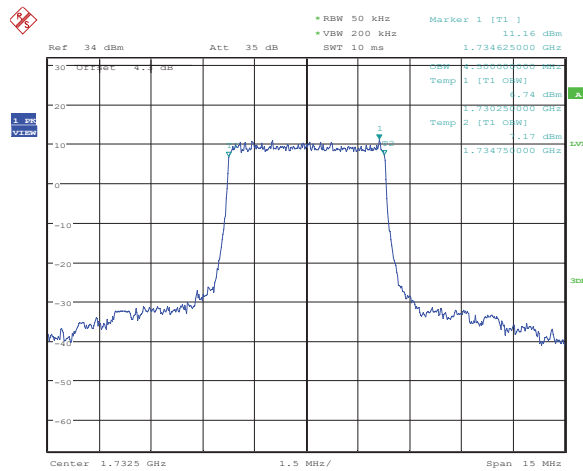


Date: 23.JAN.2025 09:37:06

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

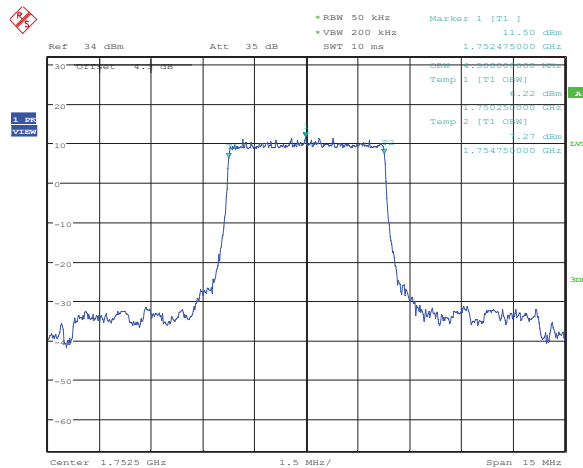
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Date: 23.JAN.2025 09:37:30

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

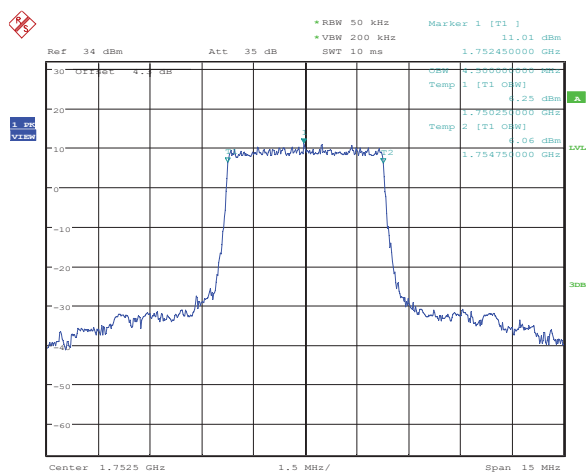


Date: 23.JAN.2025 09:38:00

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

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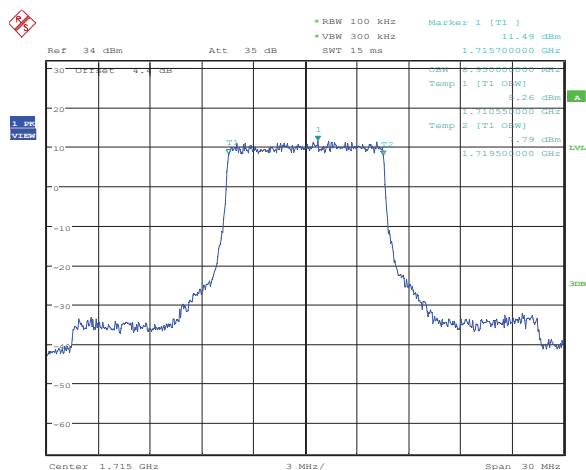


Date: 23.JAN.2025 09:38:26

LTE band 4,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)
	QPSK
1715	8.950
1732.5	9.000
1750	8.950

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

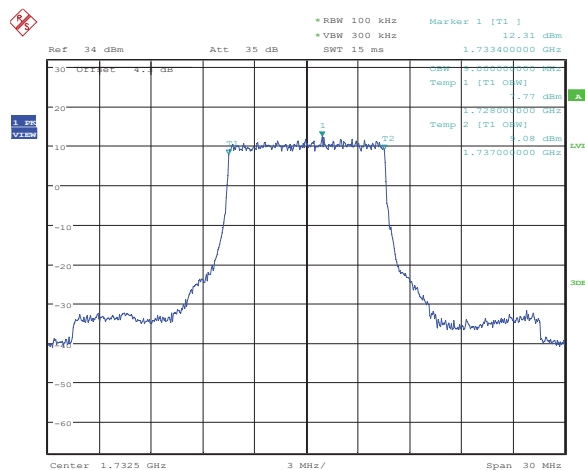


Date: 23.JAN.2025 09:38:59

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

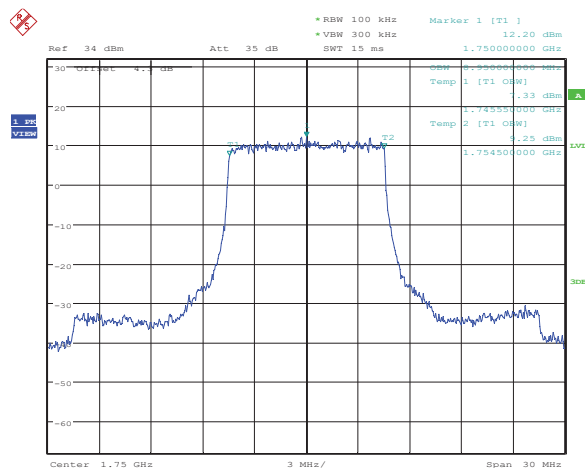
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Date: 23.JAN.2025 09:39:28

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



Date: 23.JAN.2025 09:39:59

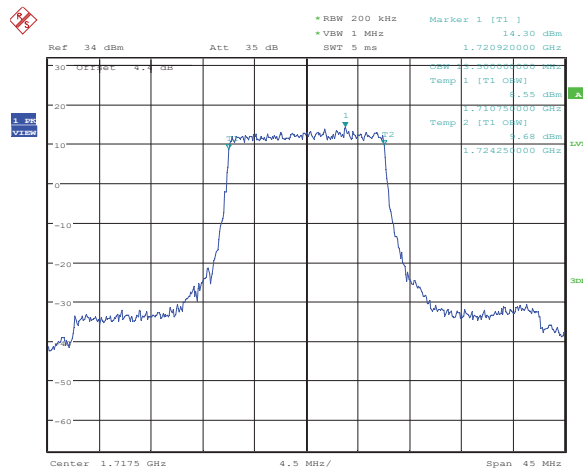
LTE band 4,15MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)
	QPSK
1717.5	13.500
1732.5	13.500
1747.5	13.500

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

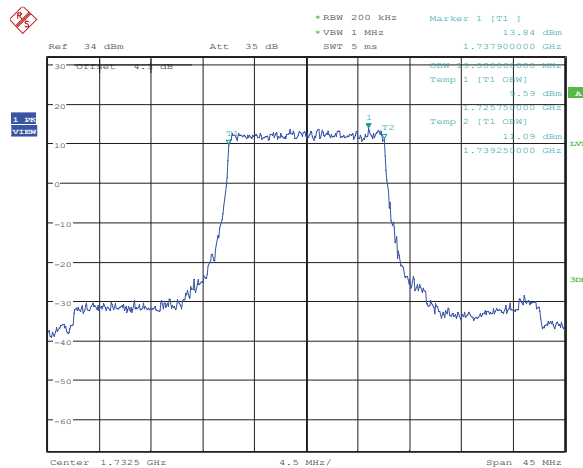
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Date: 23.JAN.2025 09:40:40

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

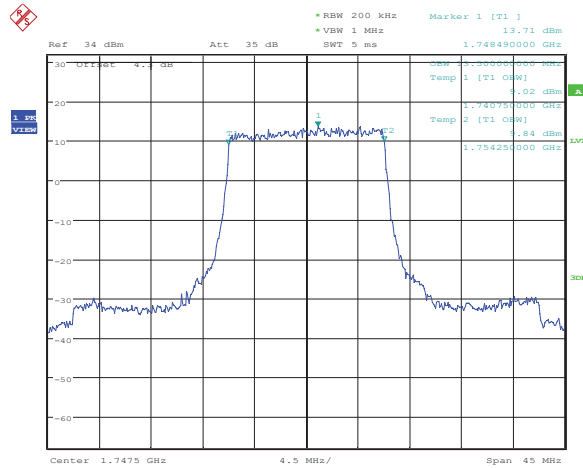


Date: 23.JAN.2025 09:41:10

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

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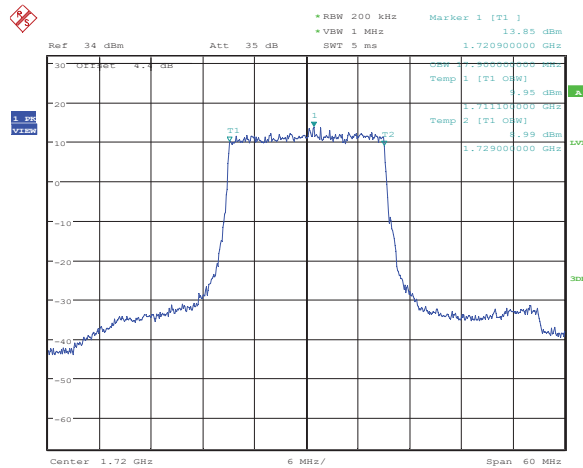


Date: 23.JAN.2025 09:41:36

LTE band 4,20MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)
	QPSK
1720	17.900
1732.5	17.900
1745	17.900

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

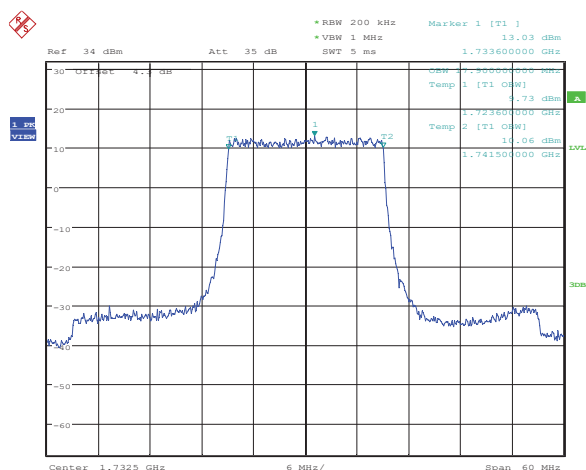


Date: 23.JAN.2025 09:42:10

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

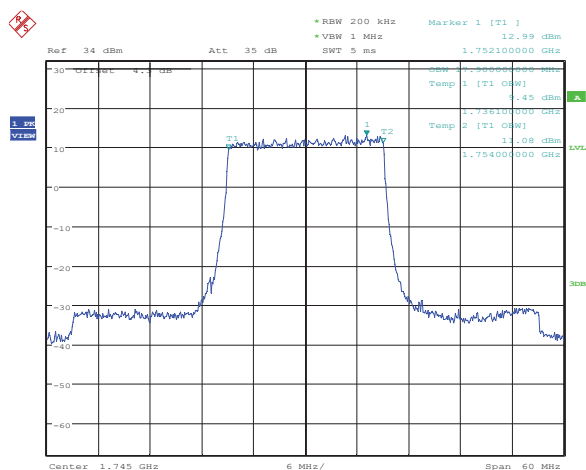
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Date: 23.JAN.2025 09:42:36

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



Date: 23.JAN.2025 09:43:03

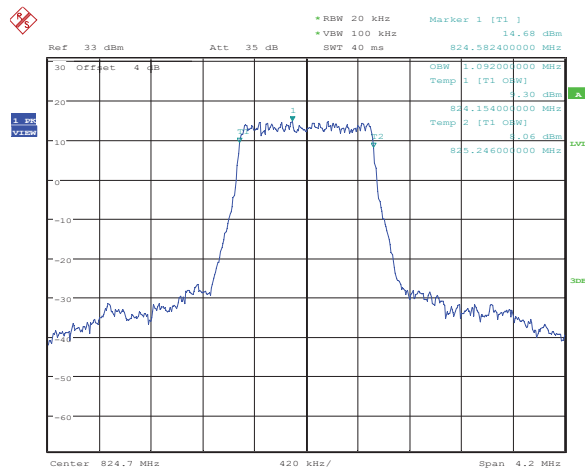
LTE band 5,1.4MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
824.7	1.092	1.092
836.5	1.092	1.092
848.3	1.092	1.092

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

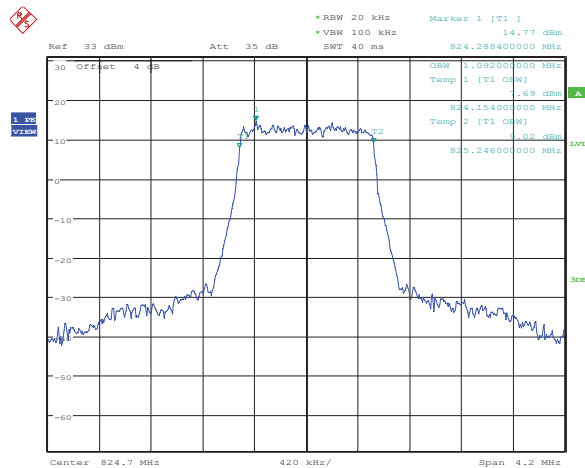
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Date: 23.JAN.2025 09:43:41

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

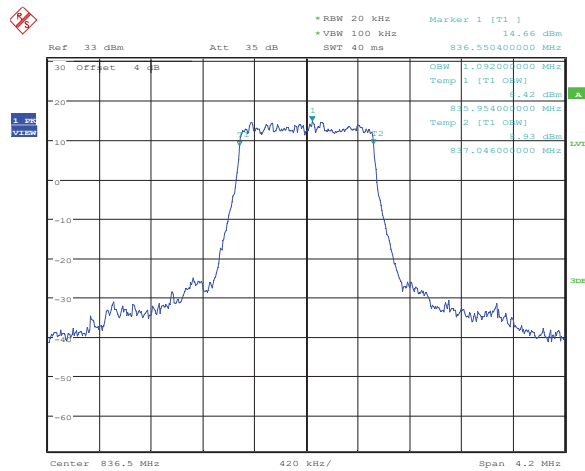


Date: 23.JAN.2025 09:44:03

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

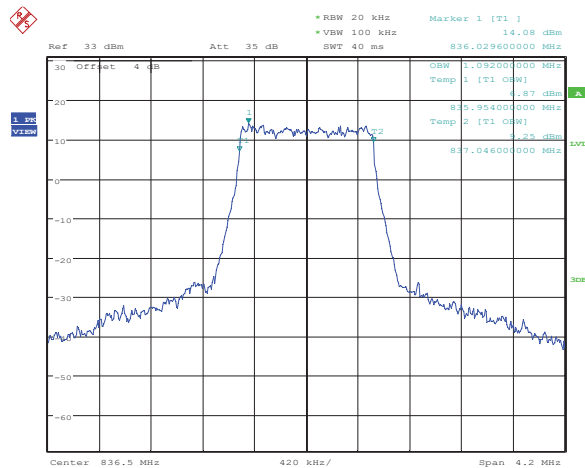
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Date: 23.JAN.2025 09:44:33

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



Date: 23.JAN.2025 09:44:58

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

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Ref 33 dBm Att 25 dB SWF 40 ms

Marker 1 [T1]

15.35 dBm

847.770800000 MHz

30 Offset 4 dB

20

10

0

-10

-20

-30

-40

-50

-60

OSW 1.092000000 MHz

Temp 1 [T1 OSW]

1.62 dBm

847.754000000 MHz

Temp 2 [T1 OSW]

-1.83 dBm

848.846000000 MHz

Center 848.3 MHz

420 kHz/

Span 4.2 MHz

* RBW 20 kHz
 * VBW 100 kHz
 * SWT 40 ms

Marker 1 [T1]
 14.03 dBm

Ref 33 dBm
 Att 35 dB
 848.375600000 MHz

30 Offset 4 dB
 20
 10
 0
 -10
 -20
 -30
 -40
 -50
 -60

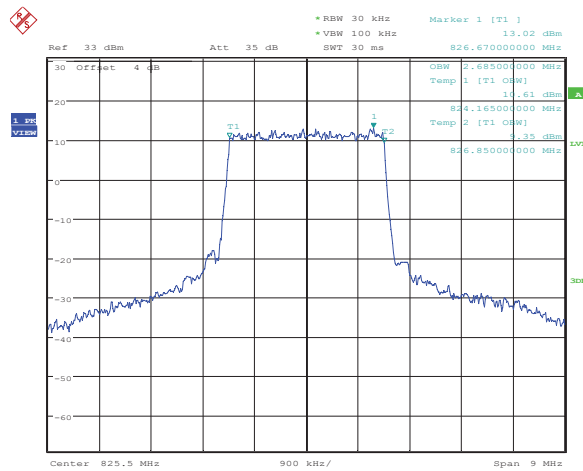
847.754000000 MHz
 848.846000000 MHz

1
 2

1.39 dBm
 Temp 1 [T1 OSW]
 Temp 2 [T2 OSW]
 1.35 dBm

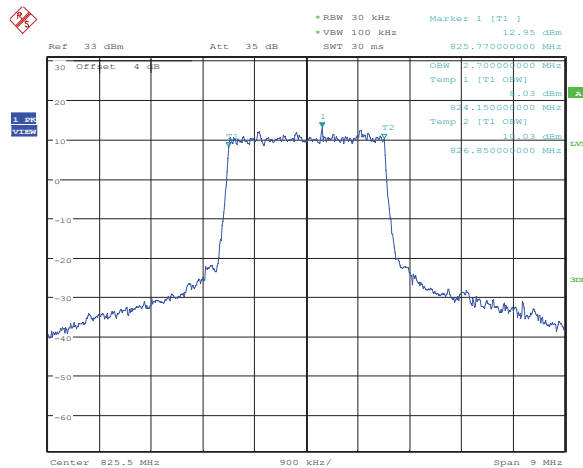
Center 848.3 MHz
 420 kHz/
 Span 4.2 MHz

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
825.5	2.685	2.700
836.5	2.685	2.685
847.5	2.700	2.700



Date: 23.JAN.2025 09:46:23

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

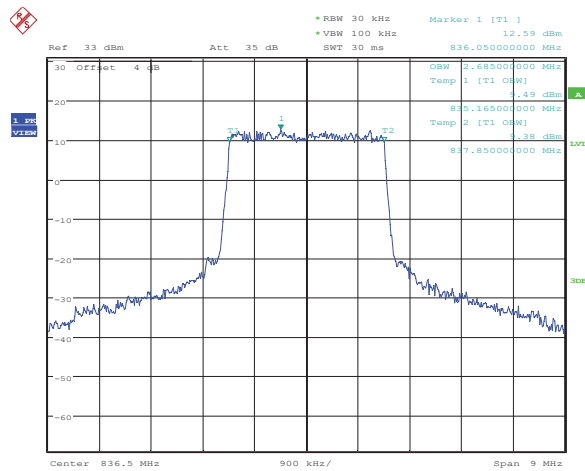


Date: 23.JAN.2025 09:46:45

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

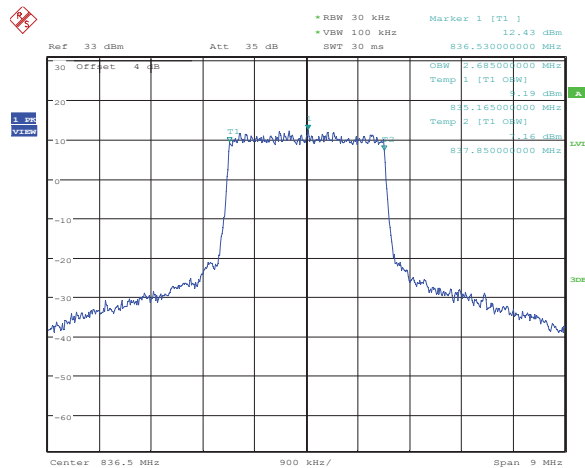
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Date: 23.JAN.2025 09:47:12

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

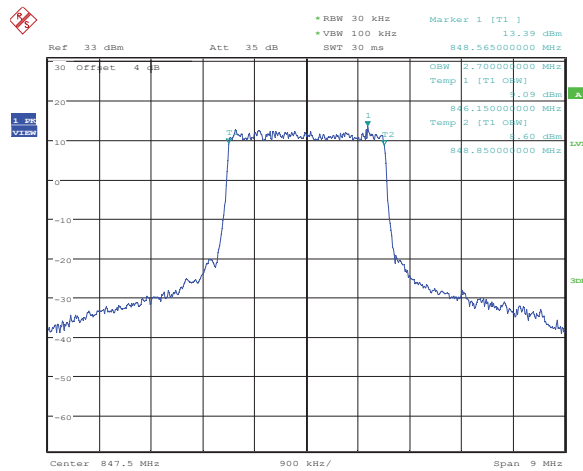


Date: 23.JAN.2025 09:47:33

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

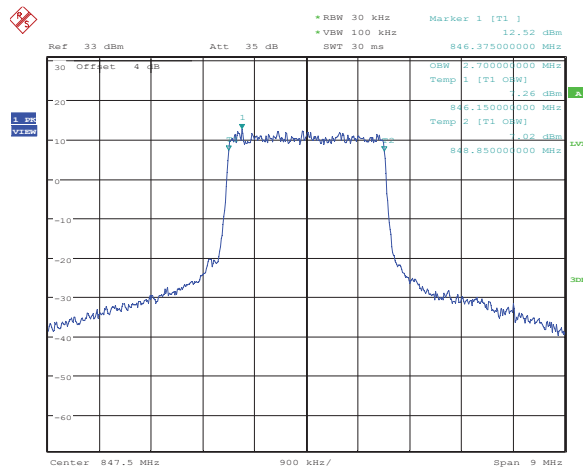
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Date: 23.JAN.2025 09:48:03

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



Date: 23.JAN.2025 09:48:25

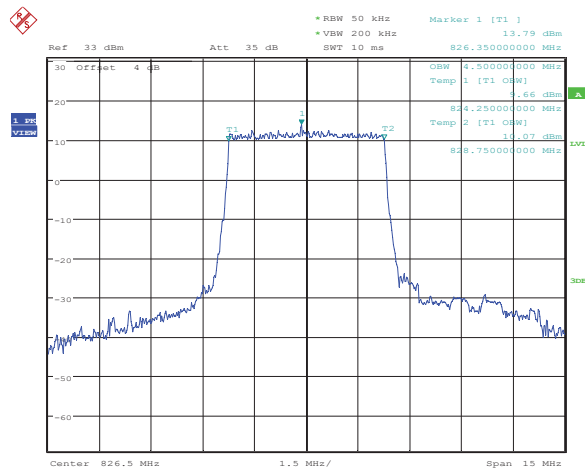
LTE band 5,5MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
826.5	4.500	4.475
836.5	4.500	4.475
846.5	4.475	4.500

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

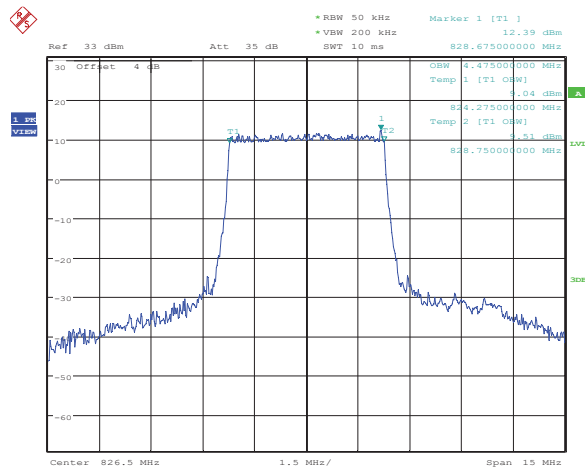
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Date: 23.JAN.2025 09:48:59

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

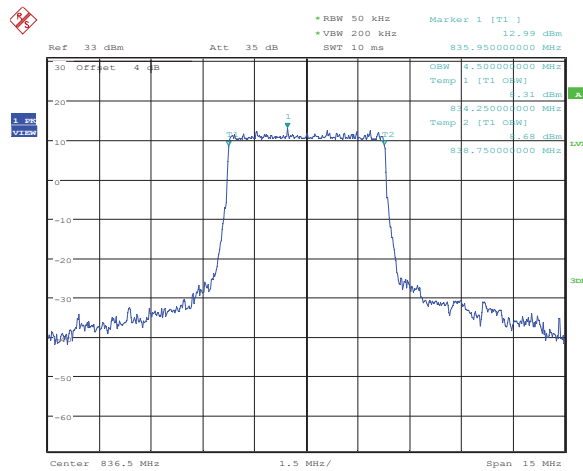


Date: 23.JAN.2025 09:49:22

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

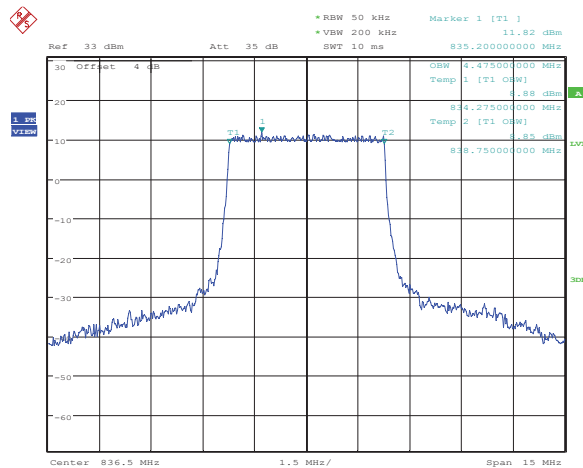
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Date: 23.JAN.2025 09:49:48

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

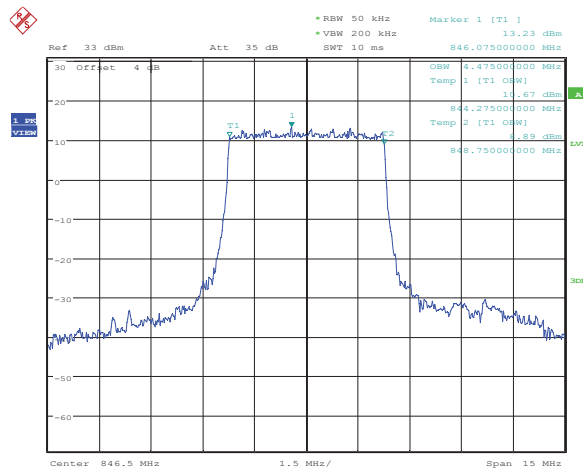


Date: 23.JAN.2025 09:50:10

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

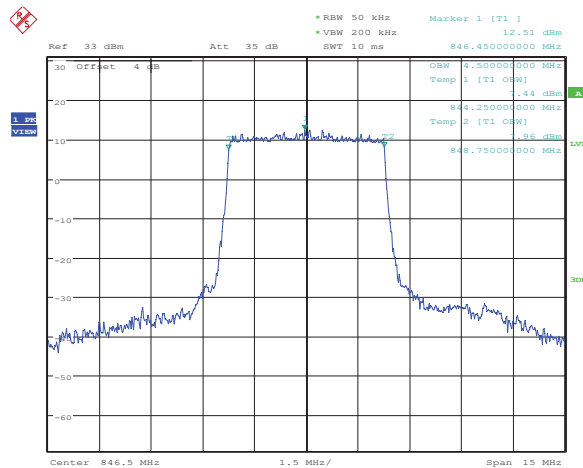
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Date: 23.JAN.2025 09:50:36

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



Date: 23.JAN.2025 09:51:04

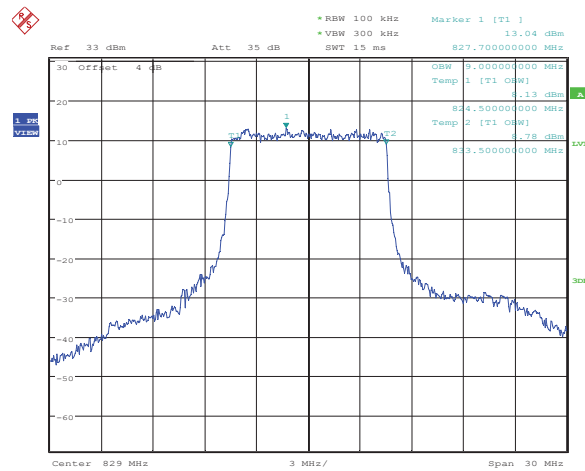
LTE band 5,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)
	QPSK
829	9.000
836.5	9.000
844	9.000

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

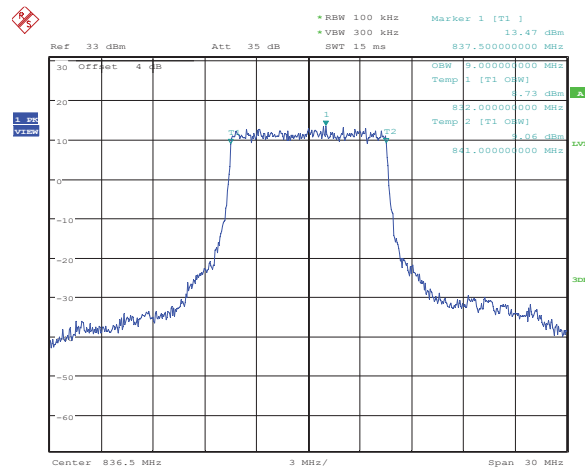
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Date: 23.JAN.2025 09:51:39

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

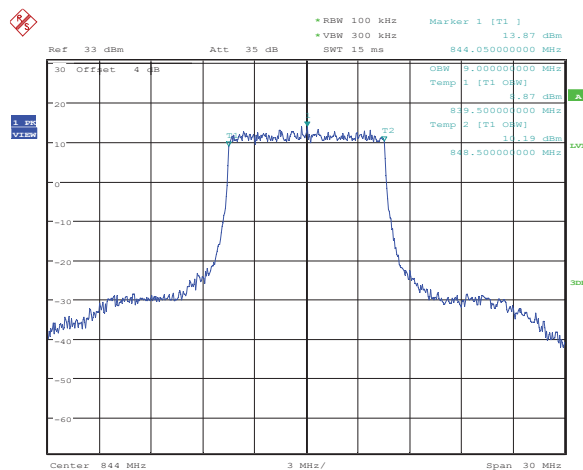


Date: 23.JAN.2025 09:52:05

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

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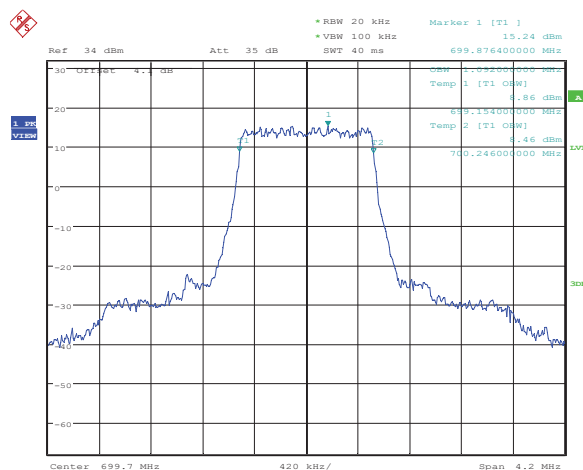


Date: 23.JAN.2025 09:53:09

LTE band 12,1.4MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
699.7	1.092	1.092
707.5	1.092	1.092
715.3	1.092	1.092

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

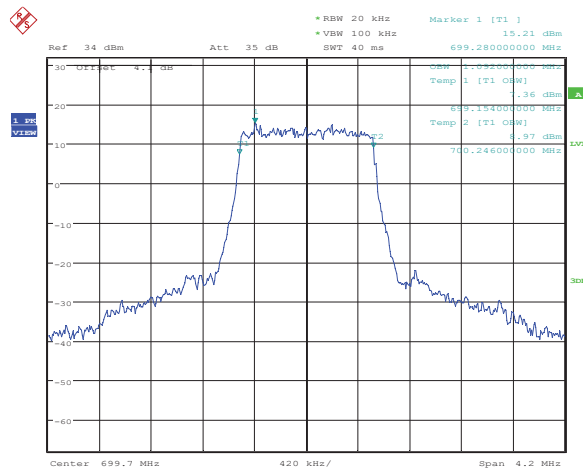


Date: 23.JAN.2025 09:53:47

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

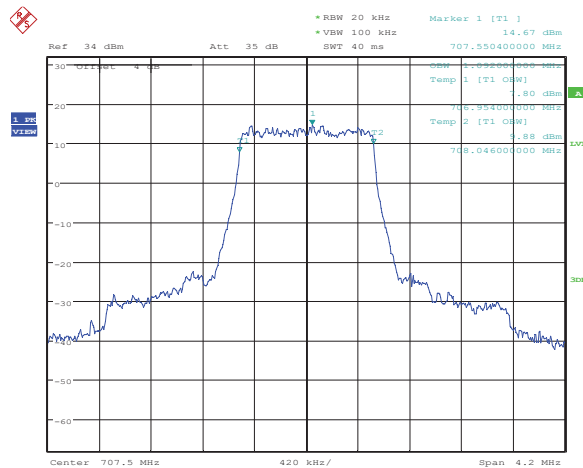
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Date: 23.JAN.2025 09:54:12

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

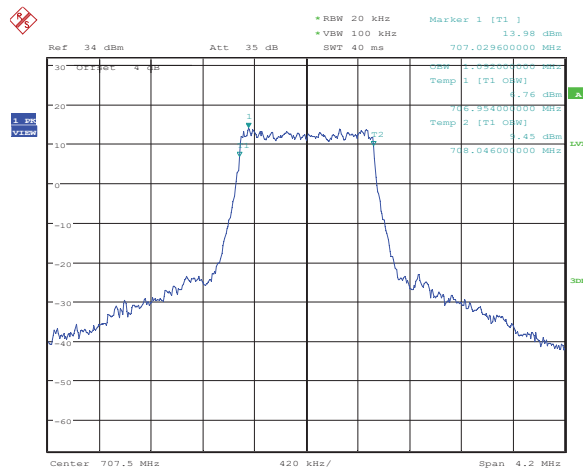


Date: 23.JAN.2025 09:54:38

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

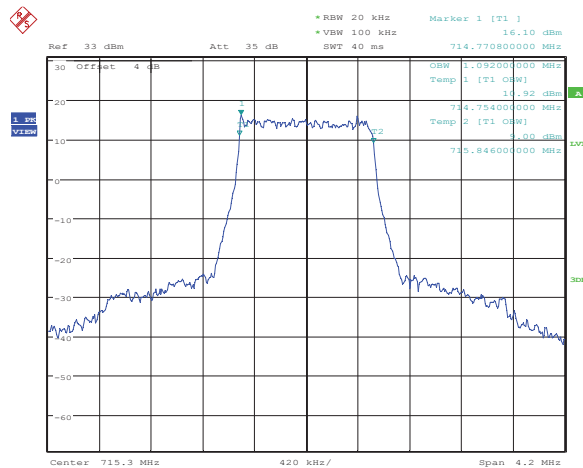
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Date: 23.JAN.2025 09:55:06

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

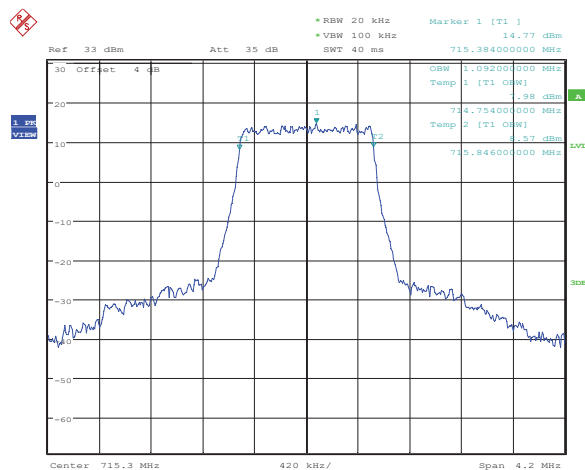


Date: 23.JAN.2025 09:55:44

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

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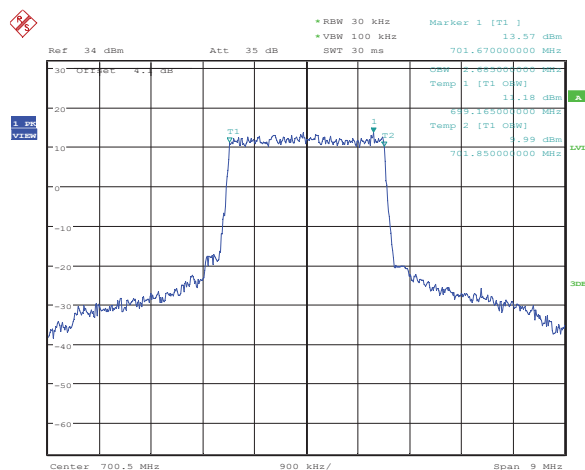


Date: 23.JAN.2025 09:56:09

LTE band 12,3MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
700.5	2.685	2.715
707.5	2.685	2.700
714.5	2.700	2.685

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

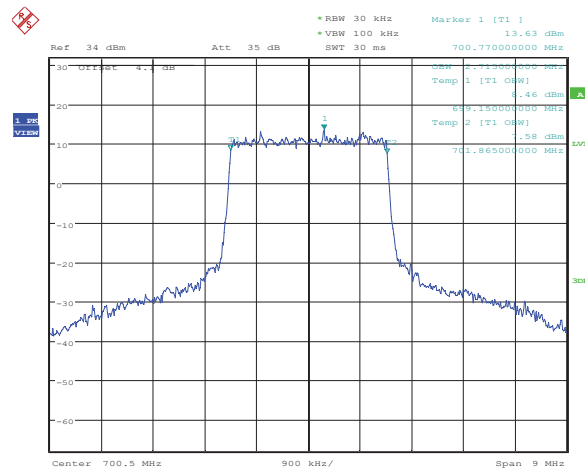


Date: 23.JAN.2025 09:56:44

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

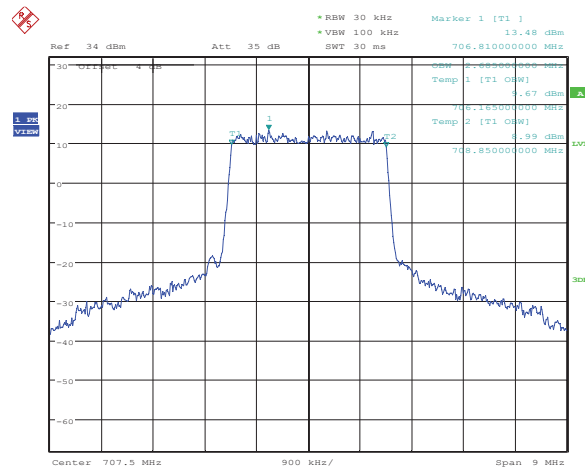
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Date: 23.JAN.2025 09:57:06

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

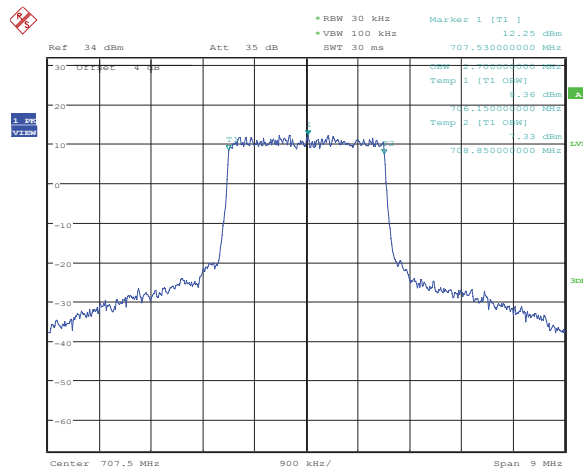


Date: 23.JAN.2025 09:57:37

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

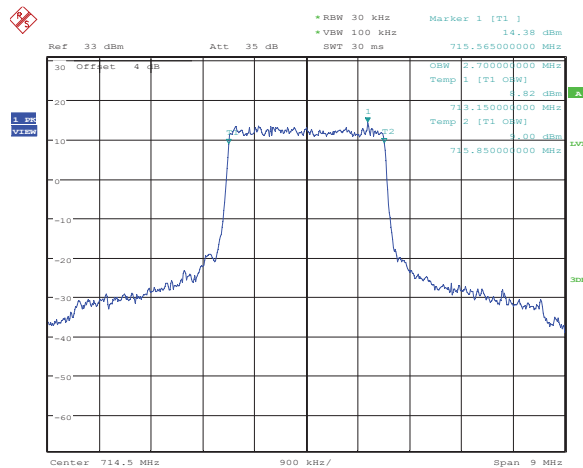
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Date: 23.JAN.2025 09:58:09

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

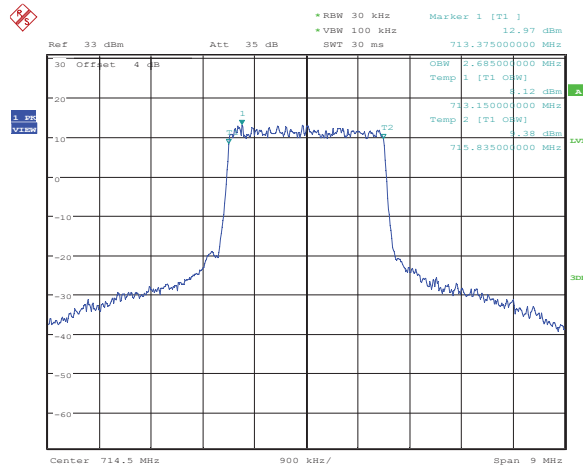


Date: 23.JAN.2025 09:58:37

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

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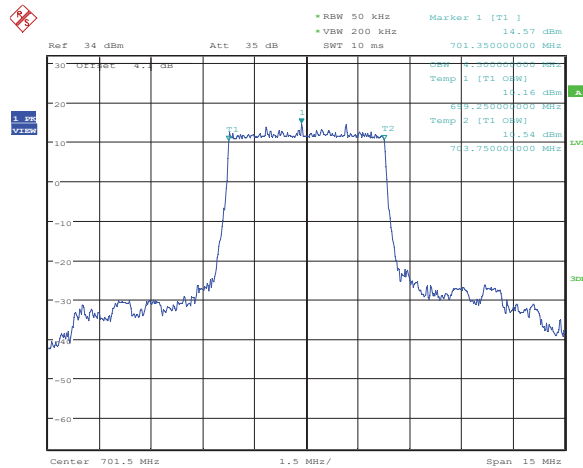


Date: 23.JAN.2025 09:59:00

LTE band 12,5MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
701.5	4.500	4.475
707.5	4.500	4.500
713.5	4.475	4.500

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

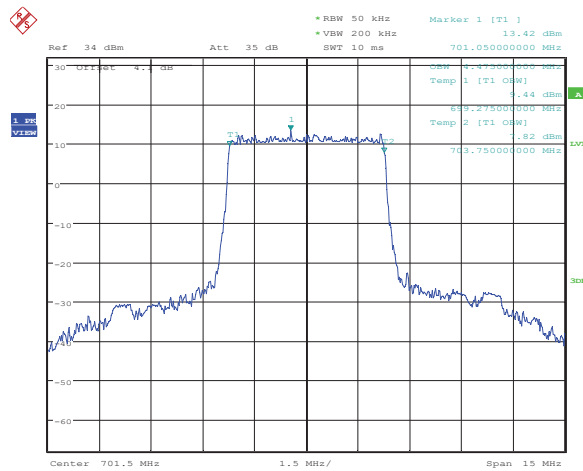


Date: 23.JAN.2025 09:59:34

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

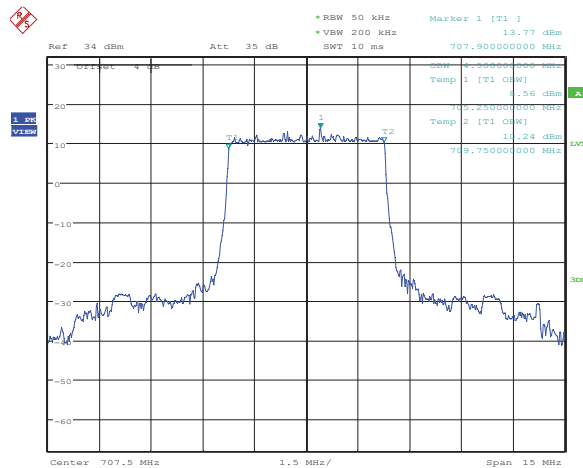
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Date: 23.JAN.2025 09:59:55

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

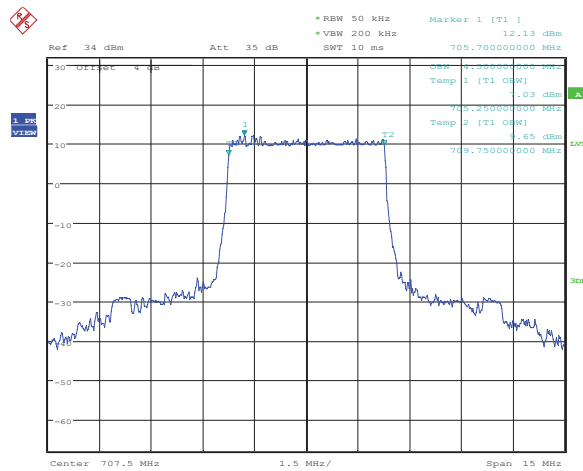


Date: 23.JAN.2025 10:00:21

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

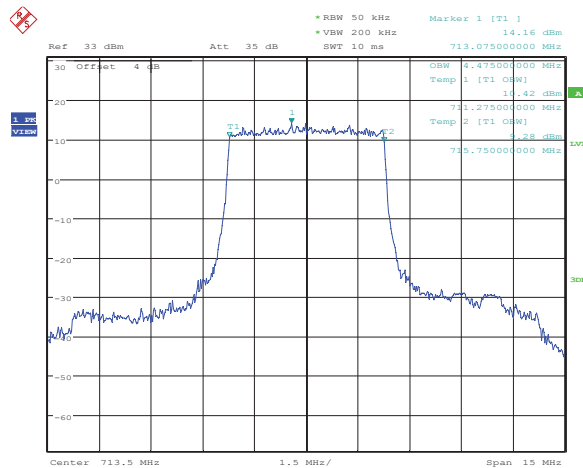
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Date: 23.JAN.2025 10:00:43

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

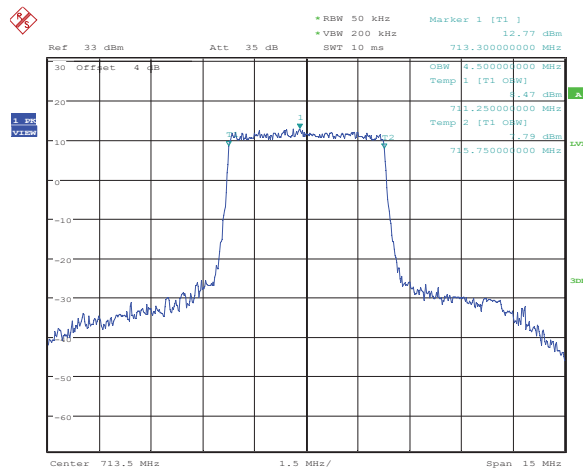


Date: 23.JAN.2025 10:01:09

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

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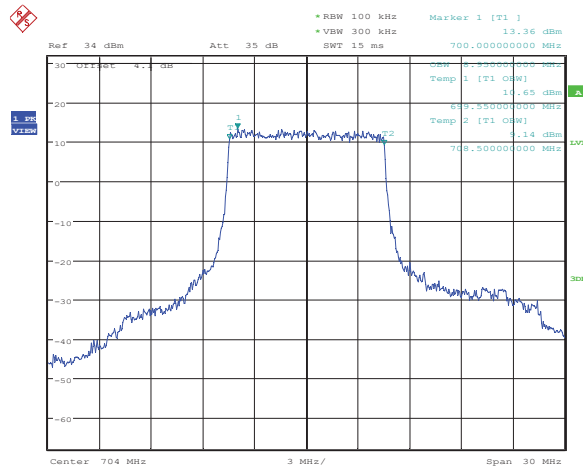


Date: 23.JAN.2025 10:01:30

LTE band 12,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)
	QPSK
704	8.950
707.5	9.000
711	8.950

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

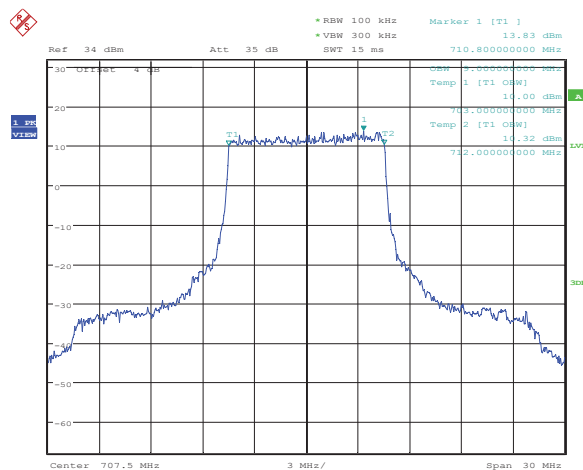


Date: 23.JAN.2025 10:02:04

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

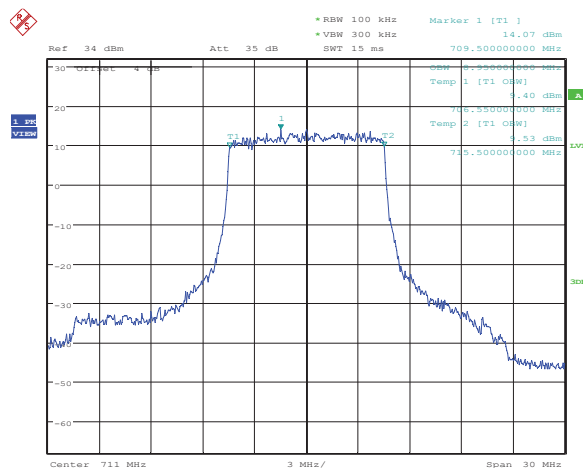
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Date: 23.JAN.2025 10:02:30

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



Date: 23.JAN.2025 10:02:56

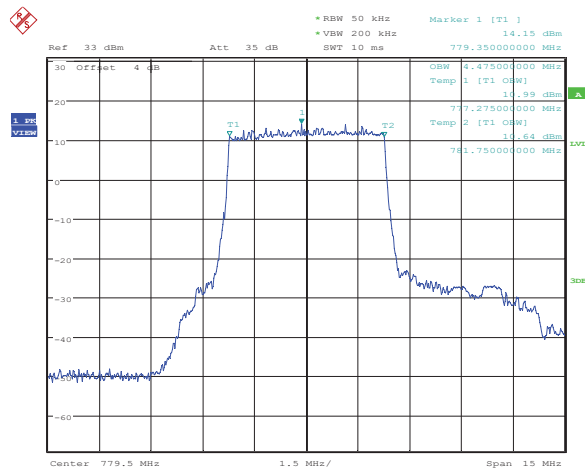
LTE band 13,5MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
779.5	4.475	4.475
782	4.500	4.500
784.5	4.500	4.500

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

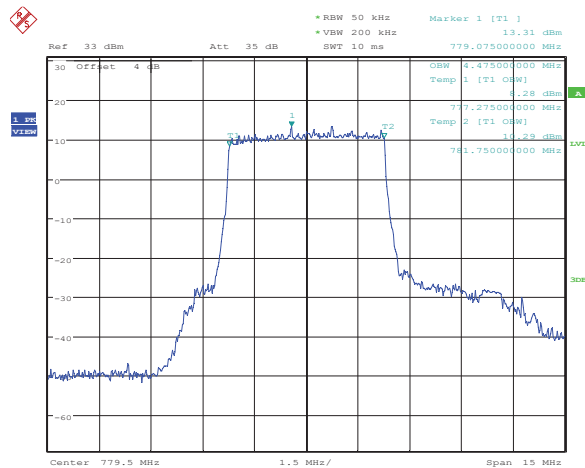
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Date: 23.JAN.2025 10:03:34

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

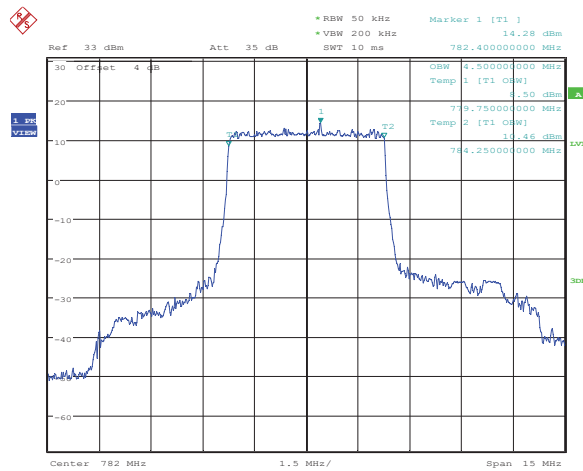


Date: 23.JAN.2025 10:03:55

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

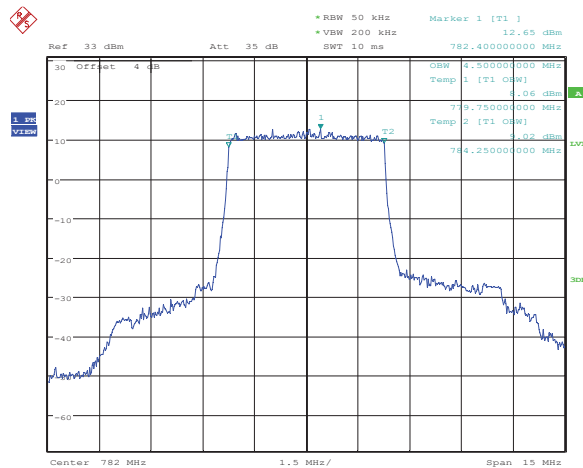
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Date: 23.JAN.2025 10:04:21

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

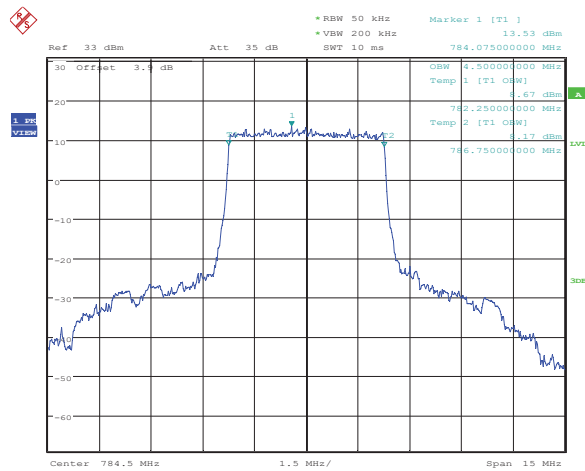


Date: 23.JAN.2025 10:04:46

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

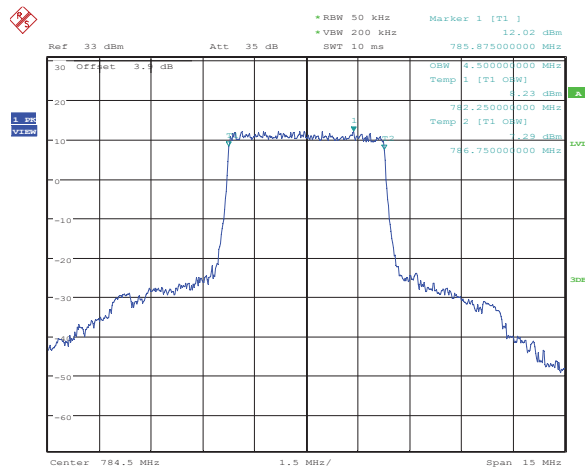
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Date: 23.JAN.2025 10:05:14

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



Date: 23.JAN.2025 10:05:37

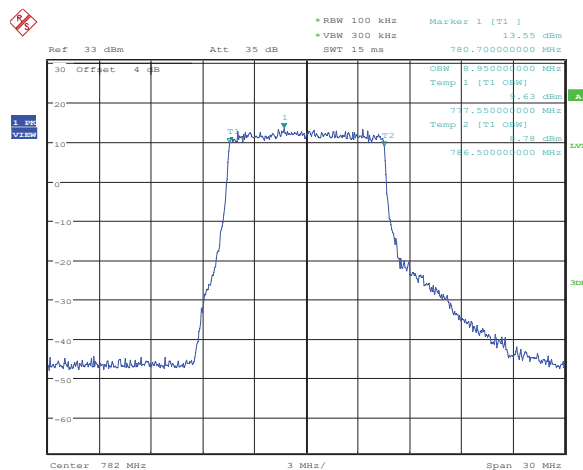
LTE band 13,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)
	QPSK
782	8.950

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

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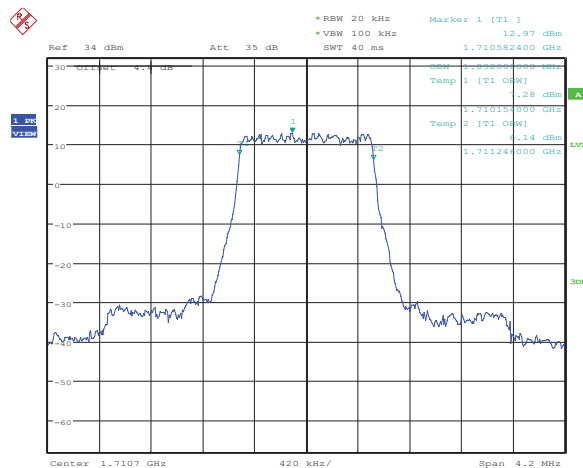


Date: 23.JAN.2025 10:06:32

LTE band 66,1.4MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1710.7	1.092	1.092
1745	1.092	1.092
1779.3	1.092	1.092

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

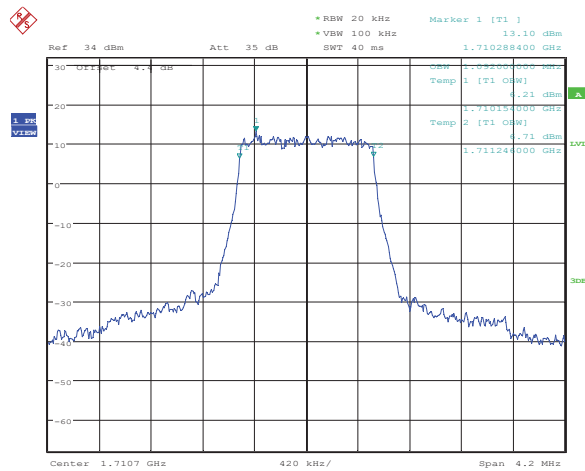


Date: 23.JAN.2025 10:07:40

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

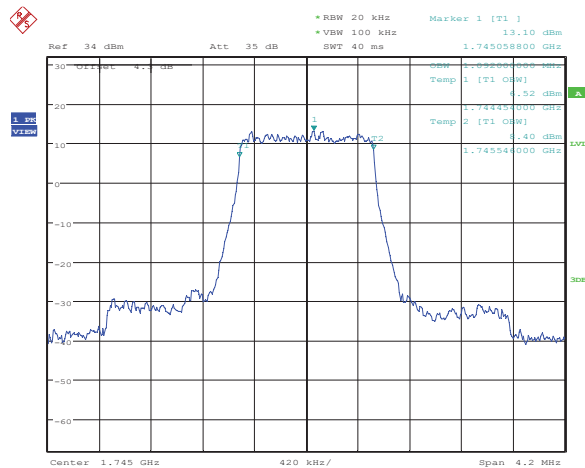
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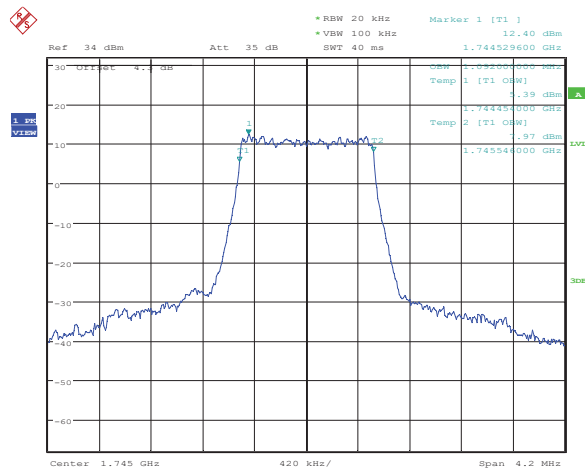
Date: 23.JAN.2025 10:08:13

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



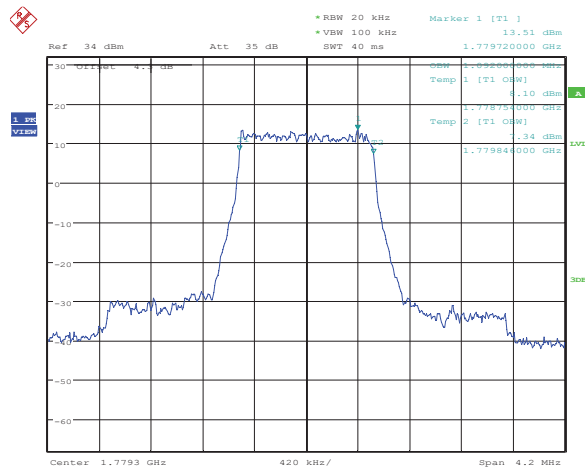
Date: 23.JAN.2025 10:08:44

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



Date: 23.JAN.2025 10:09:09

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

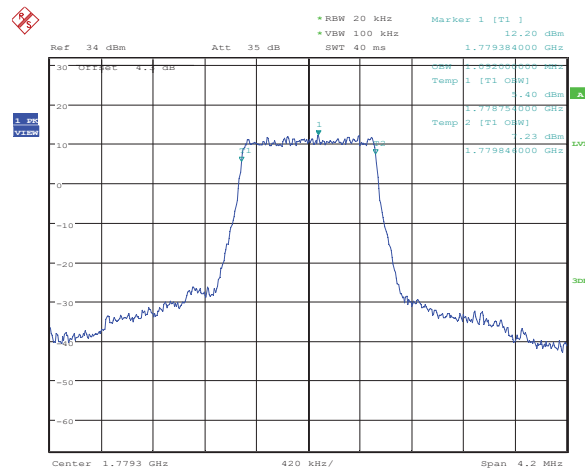


Date: 23.JAN.2025 10:09:36

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

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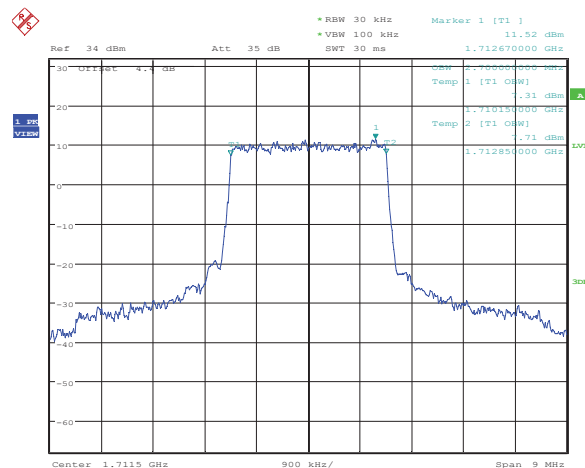


Date: 23.JAN.2025 10:09:59

LTE band 66,3MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1711.5	2.700	2.700
1745	2.685	2.700
1778.5	2.700	2.700

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

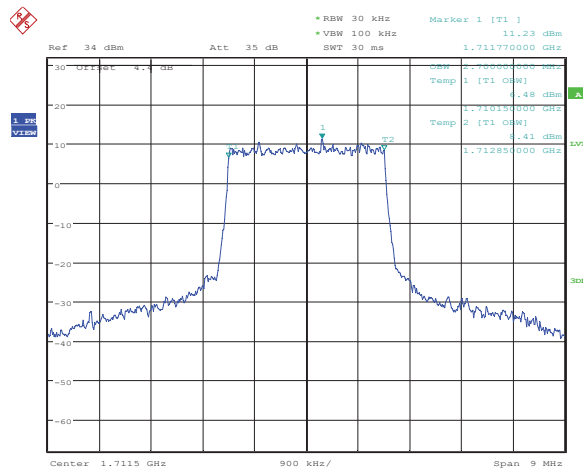


Date: 23.JAN.2025 10:10:38

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

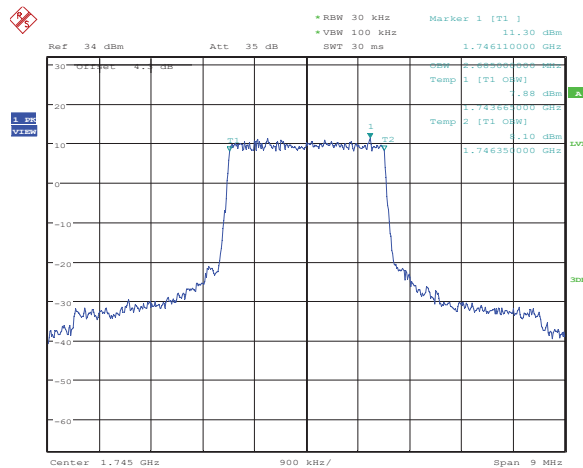
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Date: 23.JAN.2025 10:11:03

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

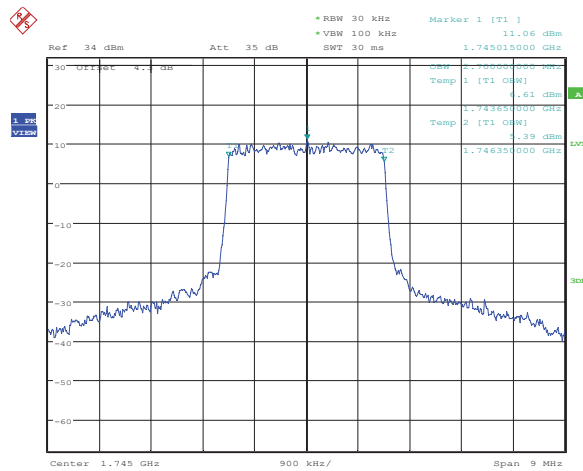


Date: 23.JAN.2025 10:11:41

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

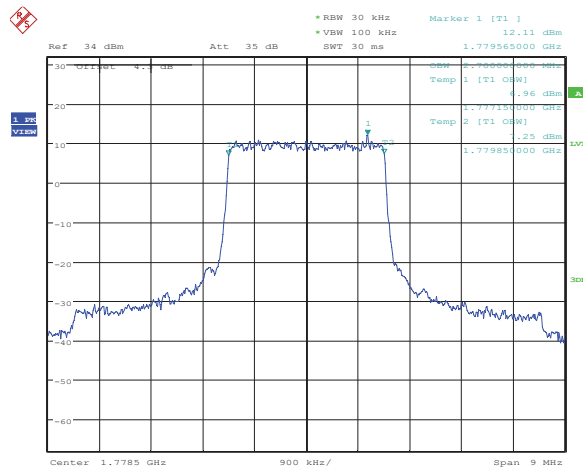
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Date: 23.JAN.2025 10:12:08

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

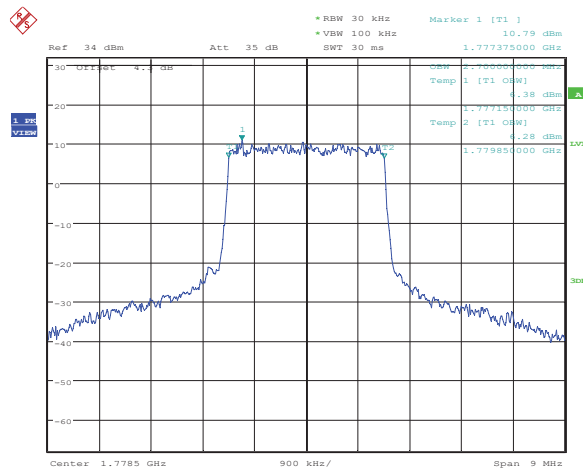


Date: 23.JAN.2025 10:12:34

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

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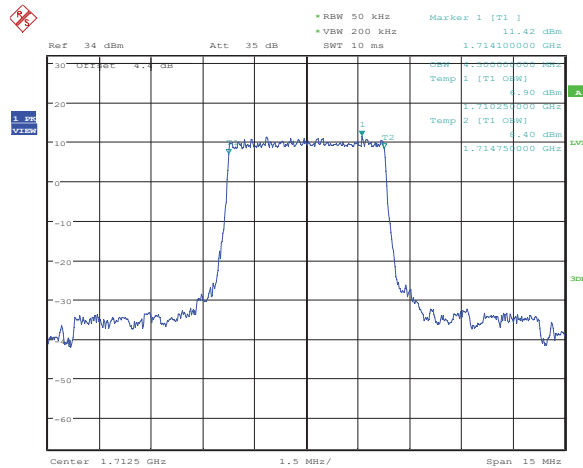


Date: 23.JAN.2025 10:12:58

LTE band 66,5MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1712.5	4.500	4.500
1745	4.500	4.475
1777.5	4.475	4.500

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

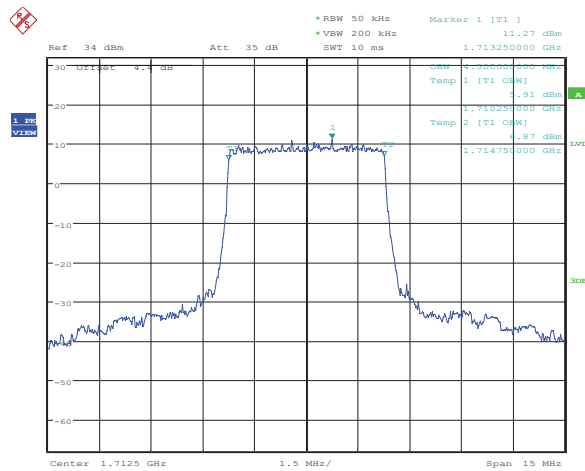


Date: 23.JAN.2025 10:13:32

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

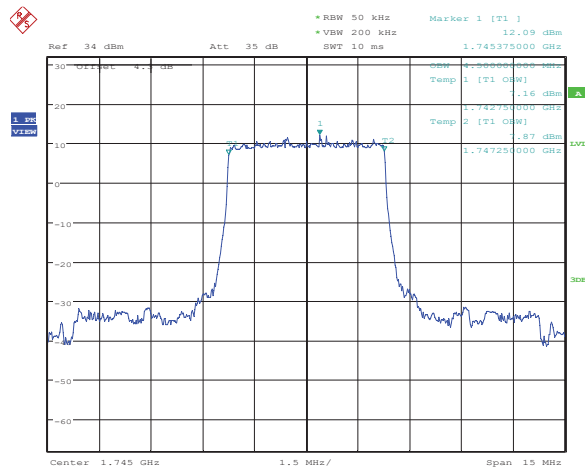
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Date: 23.JAN.2025 10:13:57

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

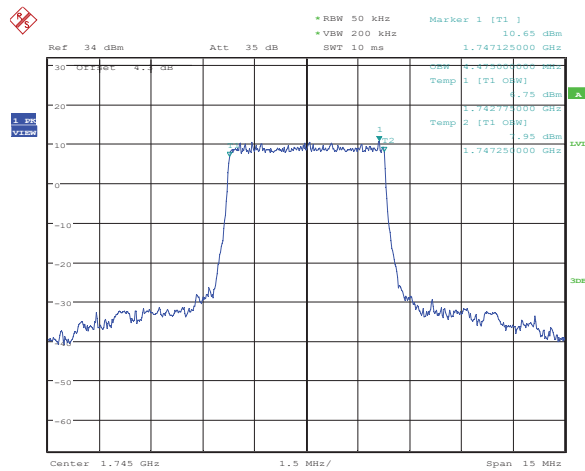


Date: 23.JAN.2025 10:14:24

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

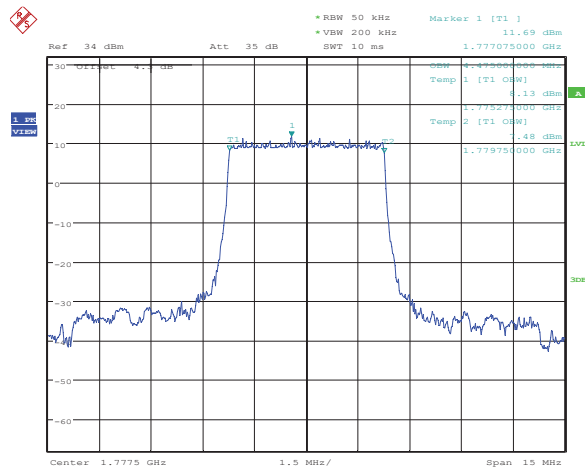
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Date: 23.JAN.2025 10:14:49

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

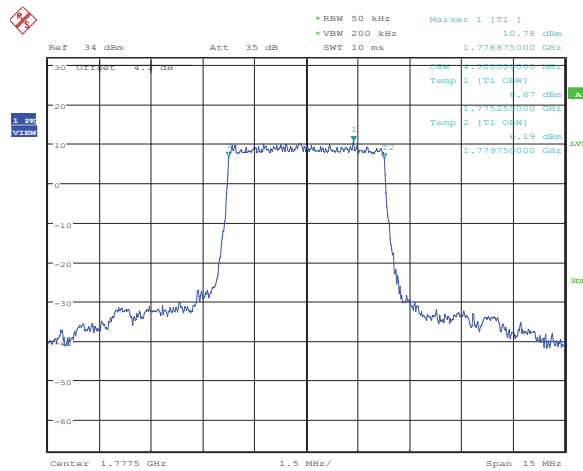


Date: 23.JAN.2025 10:15:17

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

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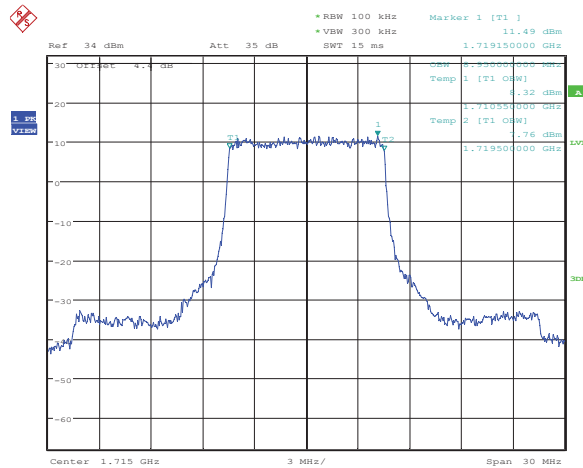


Date: 23.JAN.2025 10:15:43

LTE band 66,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)
	QPSK
1715	8.950
1745	8.950
1775	9.000

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

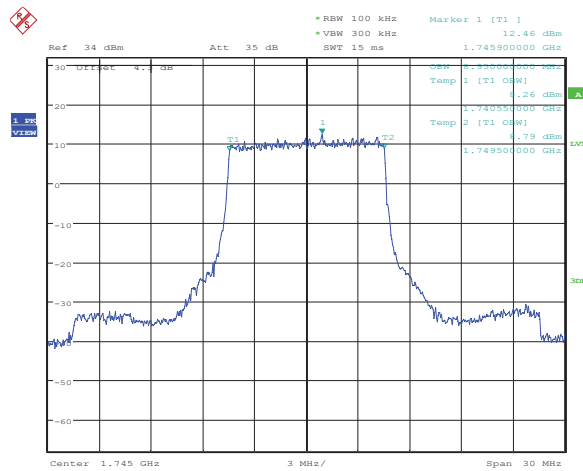


Date: 23.JAN.2025 10:16:22

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

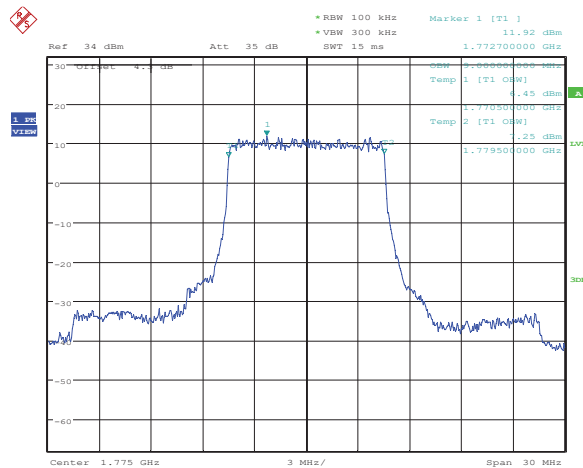
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Date: 23.JAN.2025 10:16:48

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



Date: 23.JAN.2025 10:17:17

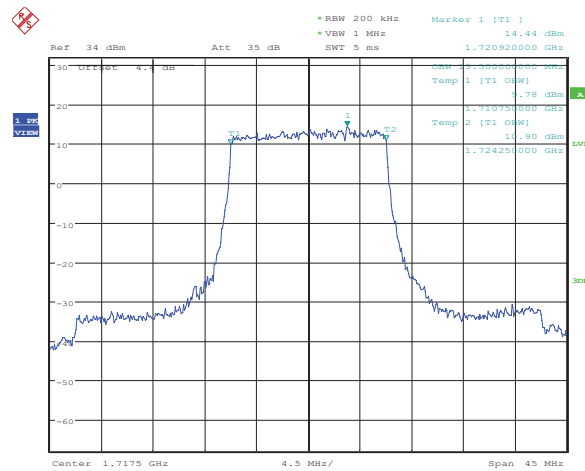
LTE band 66,15MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)
	QPSK
1717.5	13.500
1745	13.500
1772.5	13.500

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

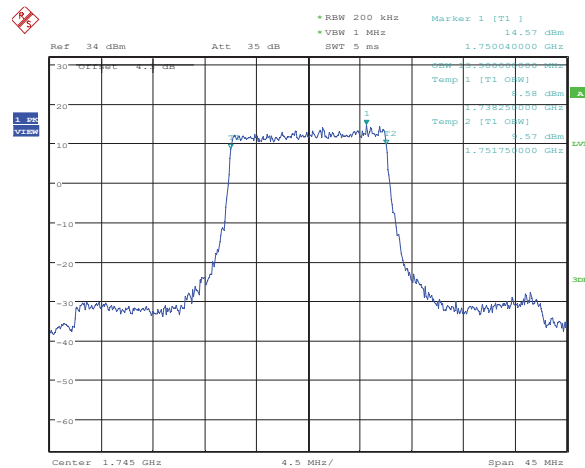
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Date: 23.JAN.2025 10:17:51

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

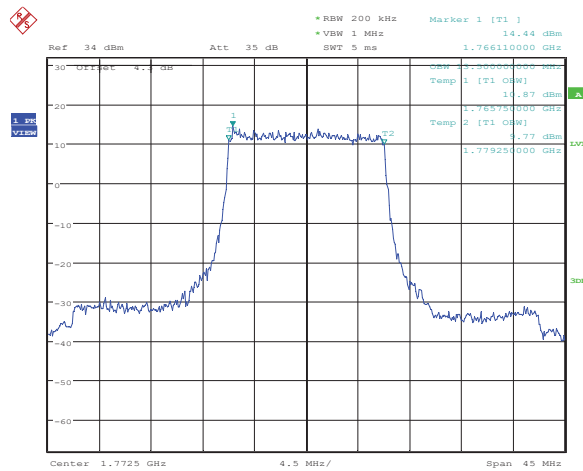


Date: 23.JAN.2025 10:18:18

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

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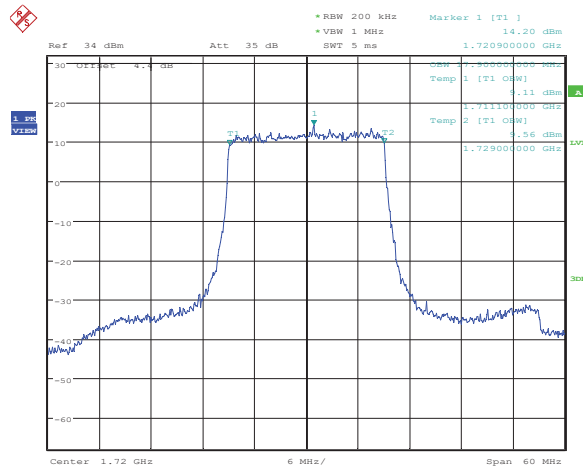


Date: 23.JAN.2025 10:18:57

LTE band 66,20MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)
	QPSK
1720	17.900
1745	17.900
1770	18.000

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

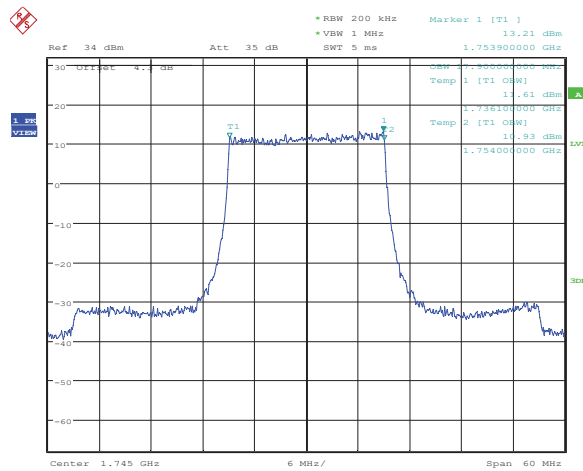


Date: 23.JAN.2025 10:19:35

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

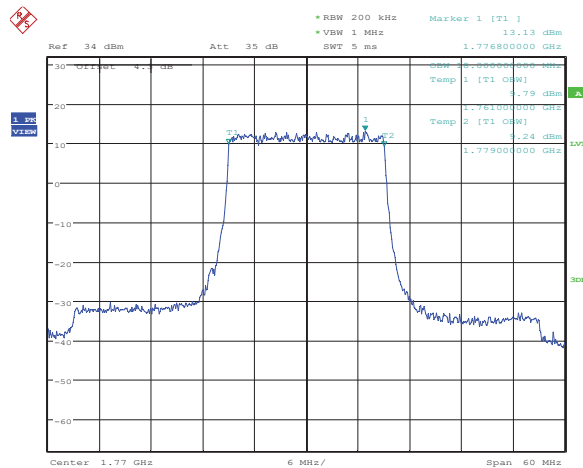
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Date: 23.JAN.2025 10:20:03

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



Date: 23.JAN.2025 10:20:32

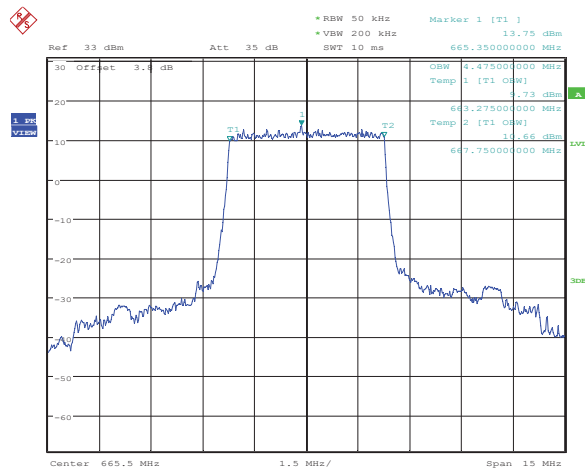
LTE band 71,5MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
665.5	4.475	4.475
680.5	4.500	4.475
695.5	4.500	4.500

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

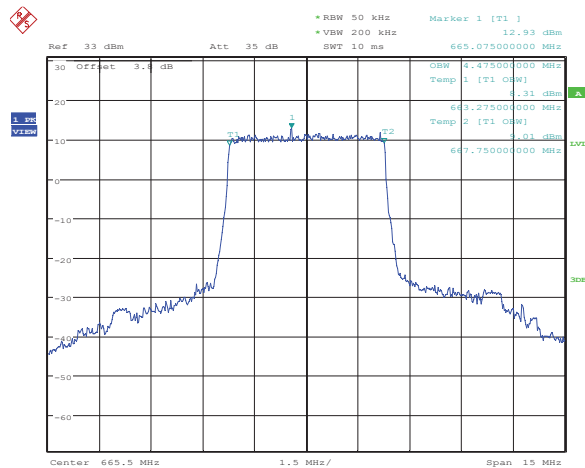
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Date: 23.JAN.2025 10:21:18

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

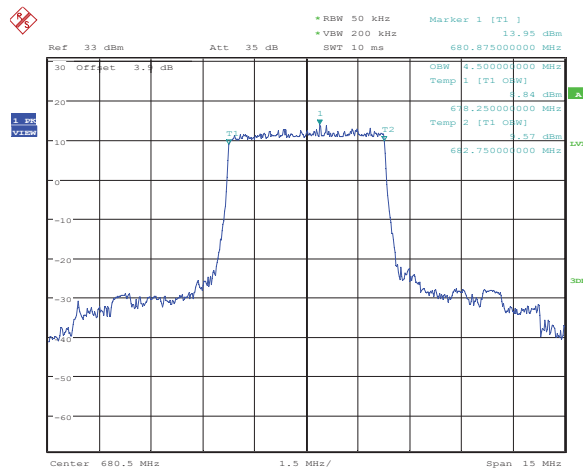


Date: 23.JAN.2025 10:21:40

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

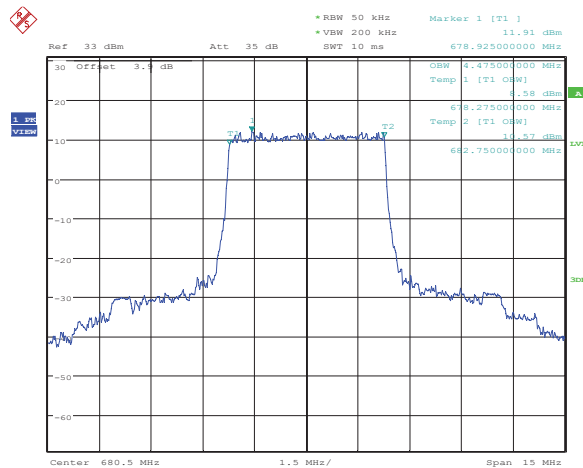
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Date: 23.JAN.2025 10:22:08

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

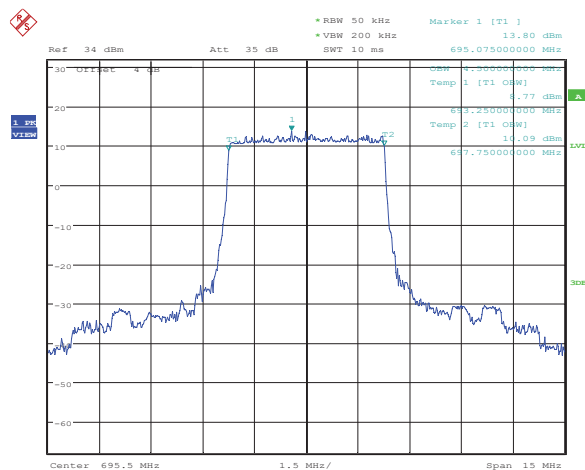


Date: 23.JAN.2025 10:22:29

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

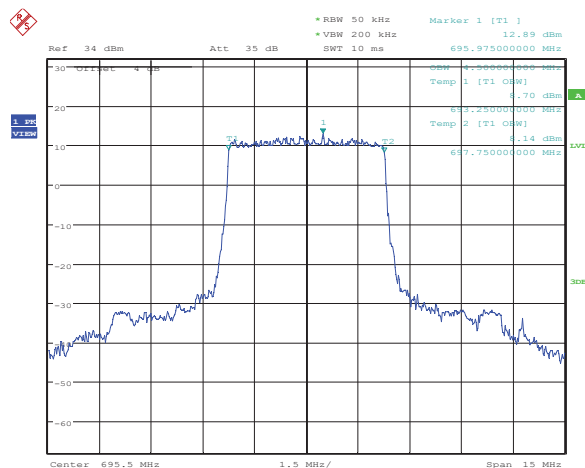
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Date: 23.JAN.2025 10:22:55

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



Date: 23.JAN.2025 10:23:19

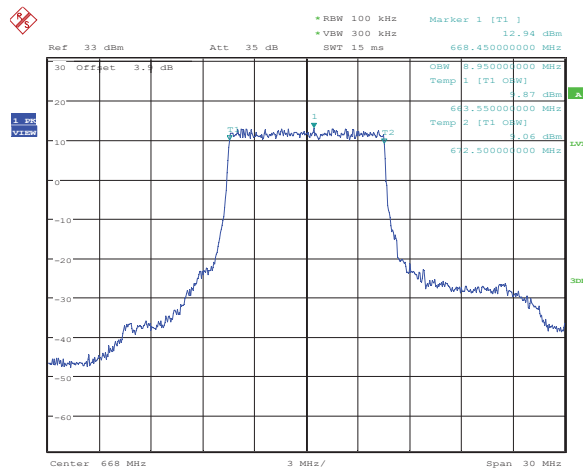
LTE band 71,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)
	QPSK
668	8.950
680.5	8.950
693	8.950

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

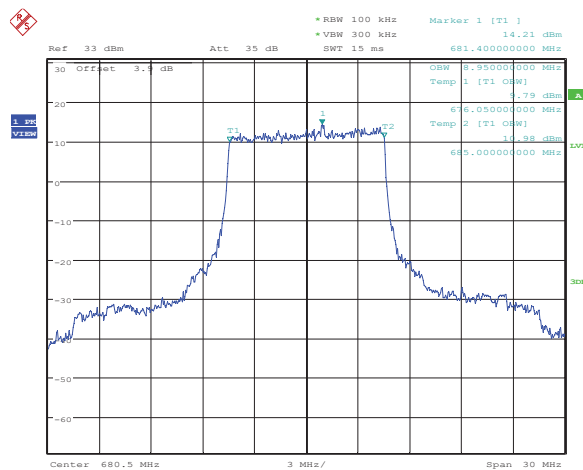
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Date: 23.JAN.2025 10:23:52

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

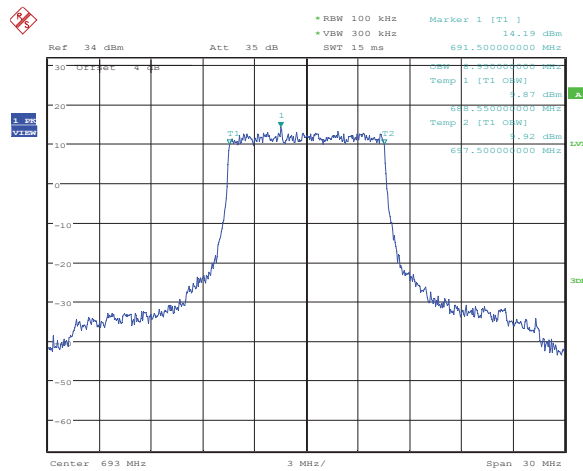


Date: 23.JAN.2025 10:24:19

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

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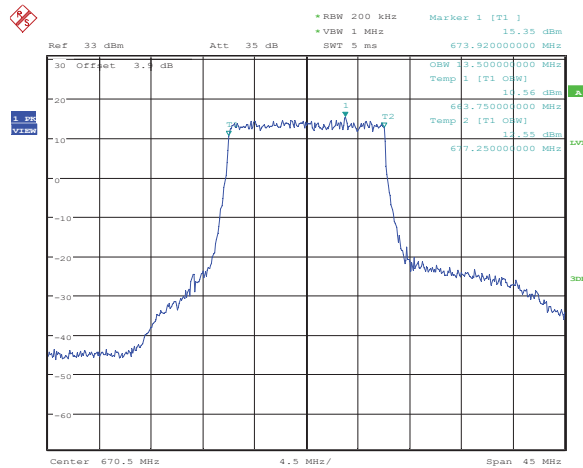


Date: 23.JAN.2025 10:24:45

LTE band 71,15MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)
	QPSK
670.5	13.500
680.5	13.500
690.5	13.500

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



Date: 23.JAN.2025 10:25:18

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

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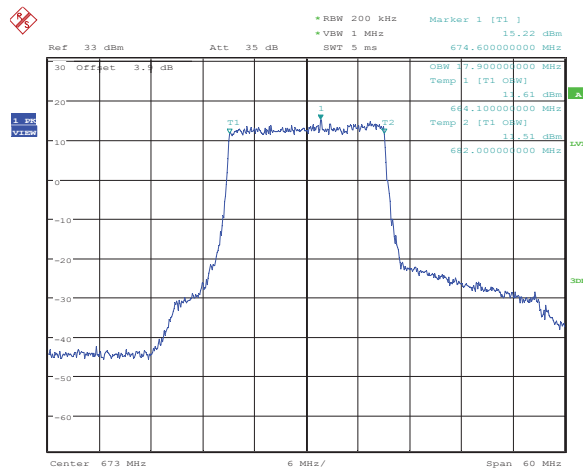


Date: 23.JAN.2025 10:25:47

Date: 23.JAN.2025 10:26:13

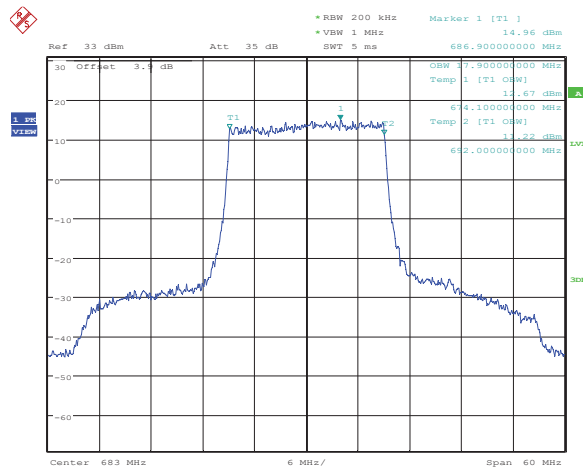
Frequency (MHz)	Occupied Bandwidth (99%)(MHz)
	QPSK
673	17.900
683	17.900
688	17.900

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Date: 23.JAN.2025 10:26:47

LTE band 71 , 20MHz Bandwidth,MID,QPSK (99% BW)

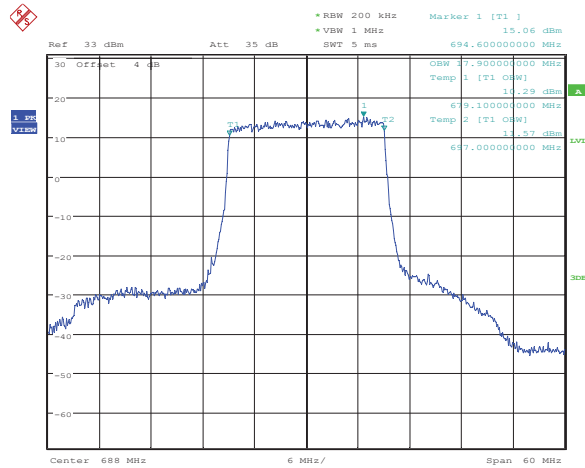


Date: 23.JAN.2025 10:27:15

LTE band 71 , 20MHz Bandwidth,HIGH,QPSK (99% BW)

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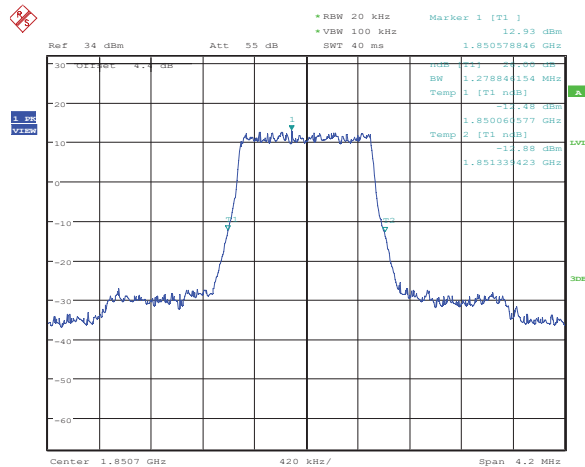


Date: 23.JAN.2025 10:27:53

LTE band 2,1.4MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
1850.7	1.279	1.272
1880	1.292	1.292
1909.3	1.272	1.292

LTE band 2 , 1.4MHz Bandwidth,LOW,QPSK (-26dBc BW)

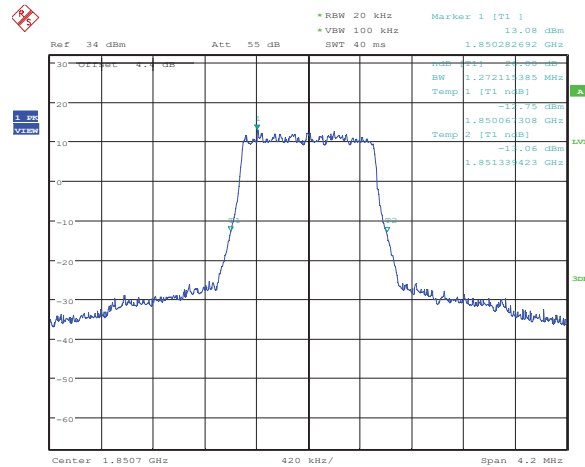


Date: 23.JAN.2025 10:28:59

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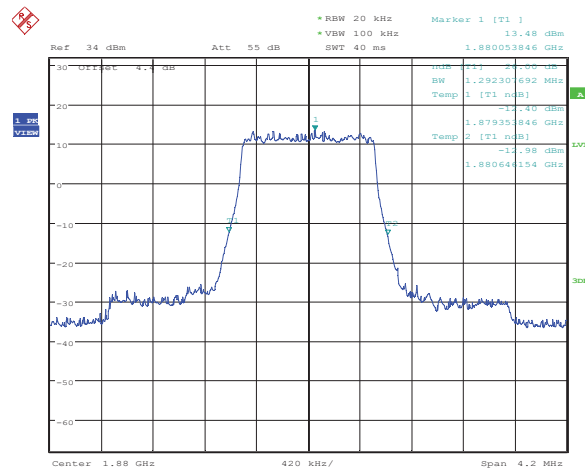
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LTE band 2 , 1.4MHz Bandwidth,LOW,16QAM (-26dBc BW)



Date: 23.JAN.2025 10:29:26

LTE band 2 , 1.4MHz Bandwidth,MID,QPSK (-26dBc BW)

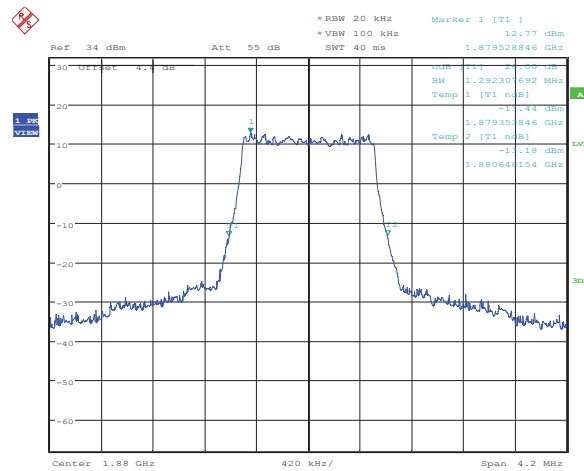


Date: 23.JAN.2025 10:29:52

LTE band 2 , 1.4MHz Bandwidth,MID,16QAM (-26dBc BW)

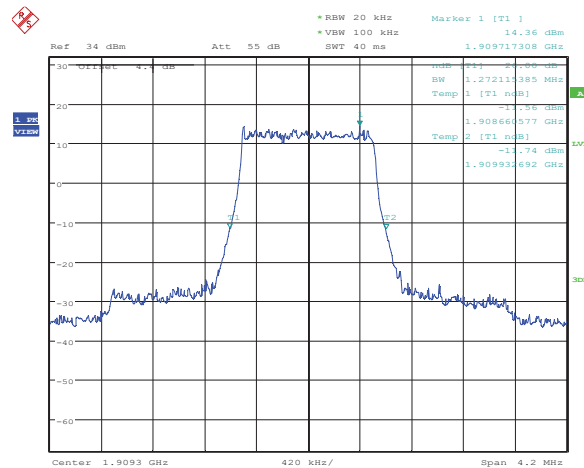
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Date: 23.JAN.2025 10:30:14

LTE band 2 , 1.4MHz Bandwidth,HIGH,QPSK (-26dBc BW)

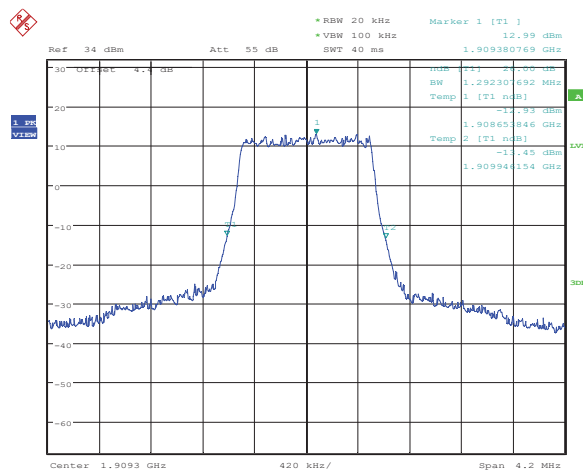


Date: 23.JAN.2025 10:30:40

LTE band 2 , 1.4MHz Bandwidth,HIGH,16QAM (-26dBc BW)

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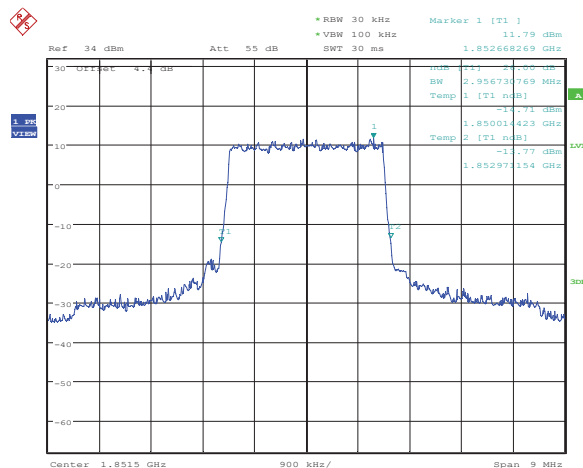


Date: 23.JAN.2025 10:31:05

LTE band 2,3MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
1851.5	2.957	2.986
1880	2.942	2.942
1908.5	2.942	2.942

LTE band 2 , 3MHz Bandwidth,LOW,QPSK (-26dBc BW)

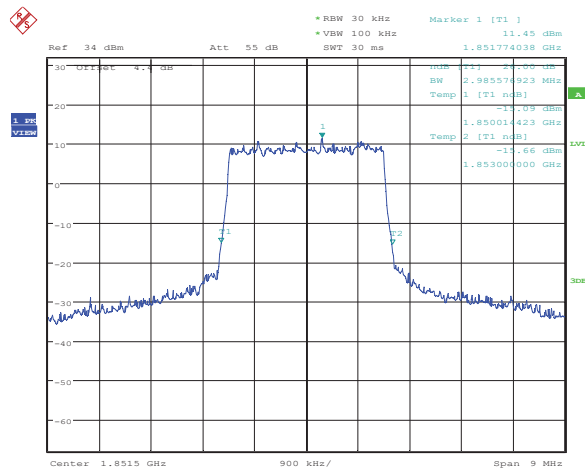


Date: 23.JAN.2025 10:31:42

LTE band 2 , 3MHz Bandwidth,LOW,16QAM (-26dBc BW)

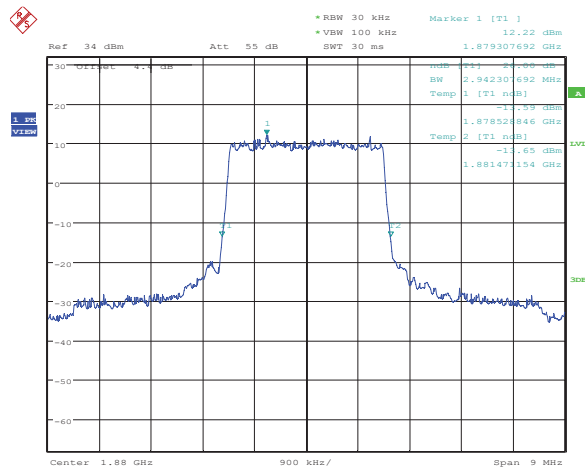
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Date: 23.JAN.2025 10:32:04

LTE band 2 , 3MHz Bandwidth,MID,QPSK (-26dBc BW)

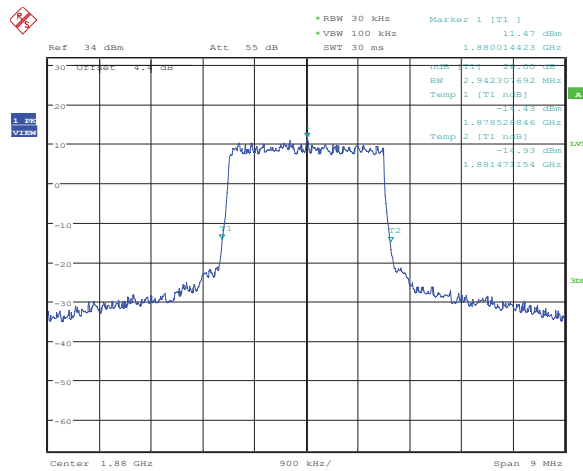


Date: 23.JAN.2025 10:32:30

LTE band 2 , 3MHz Bandwidth,MID,16QAM (-26dBc BW)

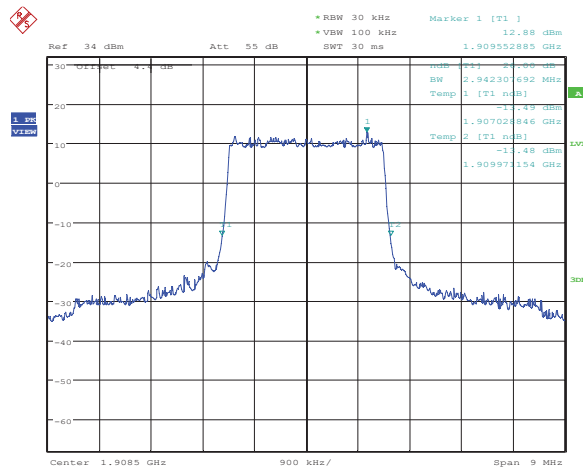
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Date: 23.JAN.2025 10:32:52

LTE band 2 , 3MHz Bandwidth,HIGH,QPSK (-26dBc BW)

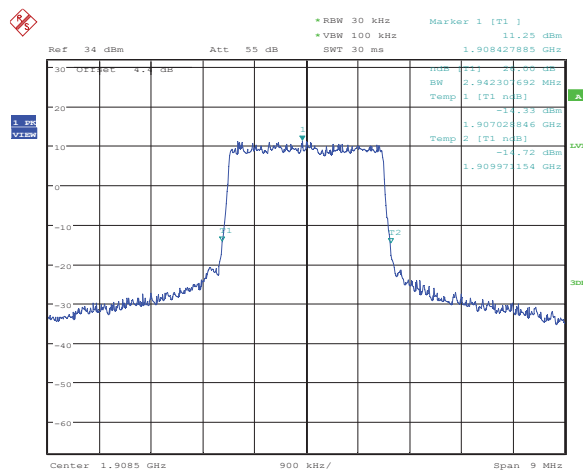


Date: 23.JAN.2025 10:33:20

LTE band 2 , 3MHz Bandwidth,HIGH,16QAM (-26dBc BW)

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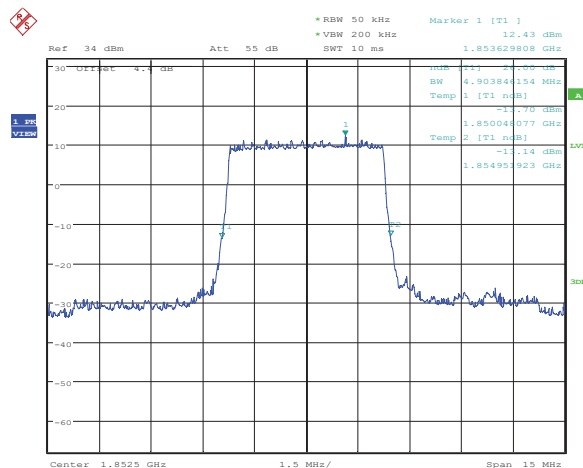


Date: 23.JAN.2025 10:33:43

LTE band 2,5MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
1852.5	4.904	4.904
1880	4.880	4.928
1907.5	4.904	4.928

LTE band 2 , 5MHz Bandwidth,LOW,QPSK (-26dBc BW)

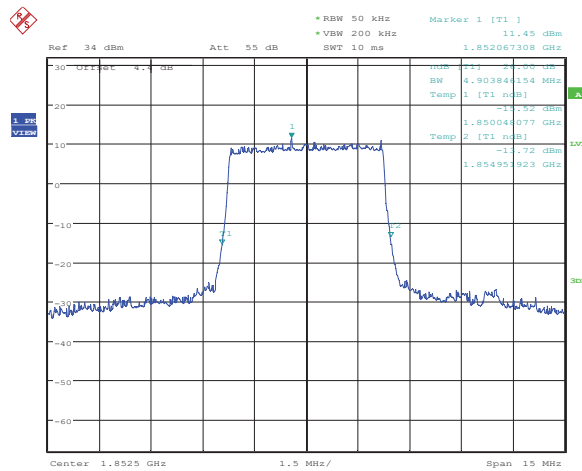


Date: 23.JAN.2025 10:34:19

LTE band 2 , 5MHz Bandwidth,LOW,16QAM (-26dBc BW)

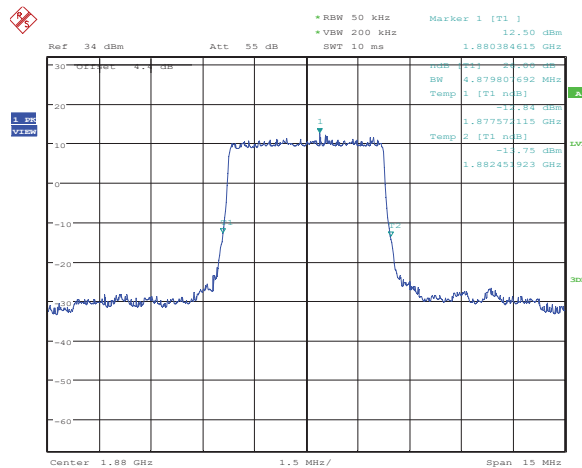
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Date: 23.JAN.2025 10:34:51

LTE band 2 , 5MHz Bandwidth,MID,QPSK (-26dBc BW)

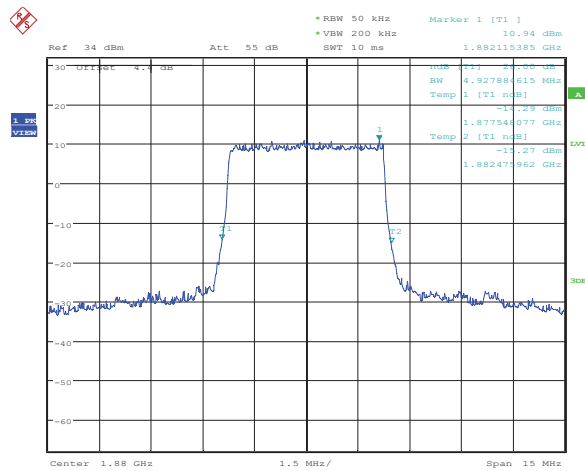


Date: 23.JAN.2025 10:35:21

LTE band 2 , 5MHz Bandwidth,MID,16QAM (-26dBc BW)

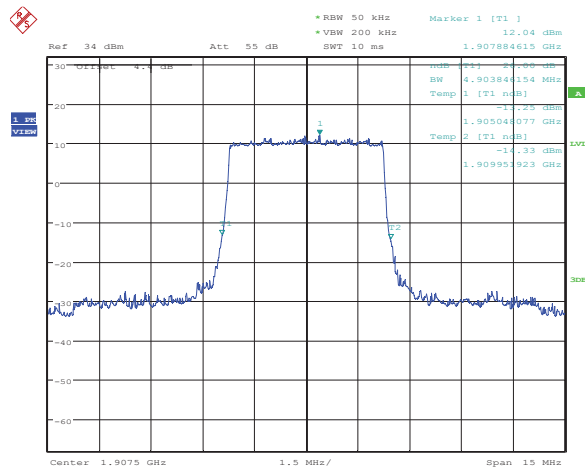
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Date: 23.JAN.2025 10:35:47

LTE band 2 , 5MHz Bandwidth,HIGH,QPSK (-26dBc BW)

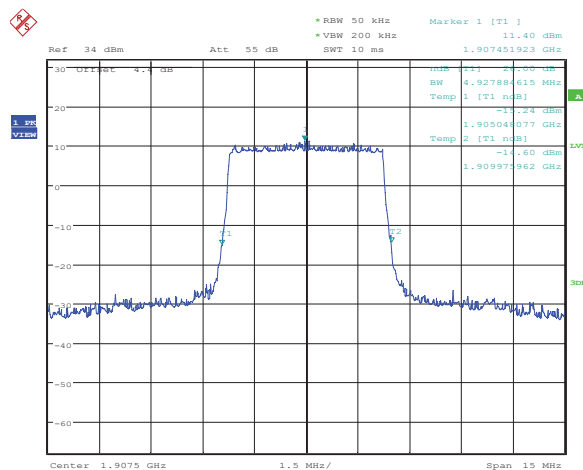


Date: 23.JAN.2025 10:36:15

LTE band 2 , 5MHz Bandwidth,HIGH,16QAM (-26dBc BW)

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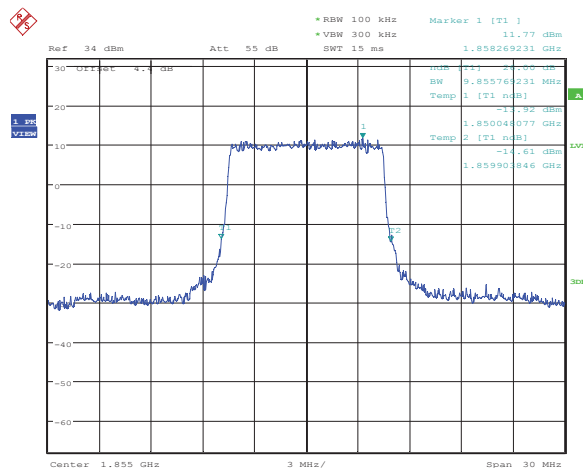


Date: 23.JAN.2025 10:36:36

LTE band 2,10MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)
	QPSK
1855	9.856
1880	9.904
1905	9.904

LTE band 2 , 10MHz Bandwidth,LOW,QPSK (-26dBc BW)

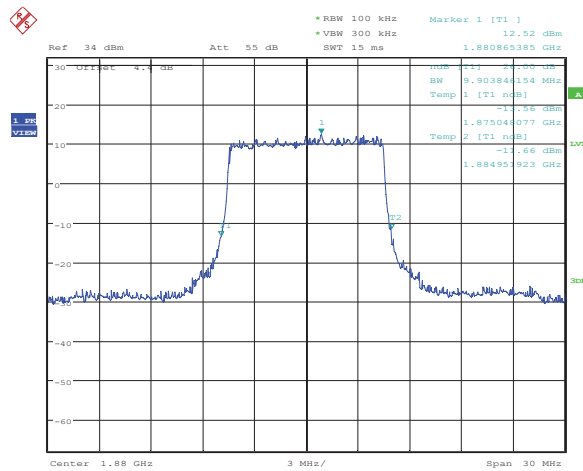


Date: 23.JAN.2025 10:37:10

LTE band 2 , 10MHz Bandwidth,MID,QPSK (-26dBc BW)

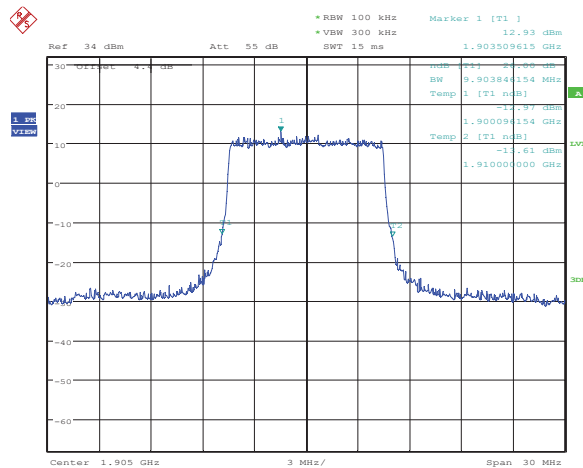
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Date: 23.JAN.2025 10:37:35

LTE band 2 , 10MHz Bandwidth,HIGH,QPSK (-26dBc BW)



Date: 23.JAN.2025 10:38:01

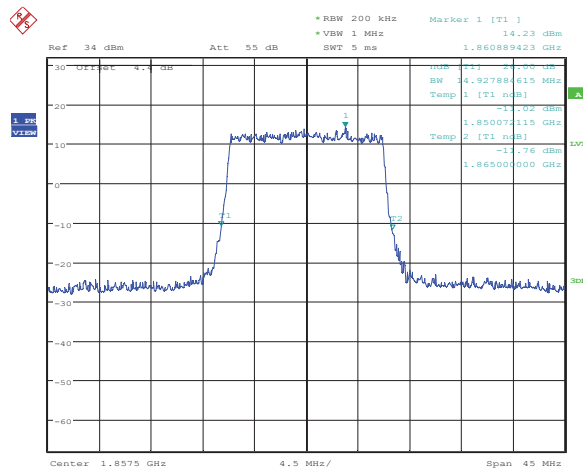
LTE band 2,15MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)
	QPSK
1857.5	14.928
1880	14.856
1902.5	15.144

LTE band 2 , 15MHz Bandwidth,LOW,QPSK (-26dBc BW)

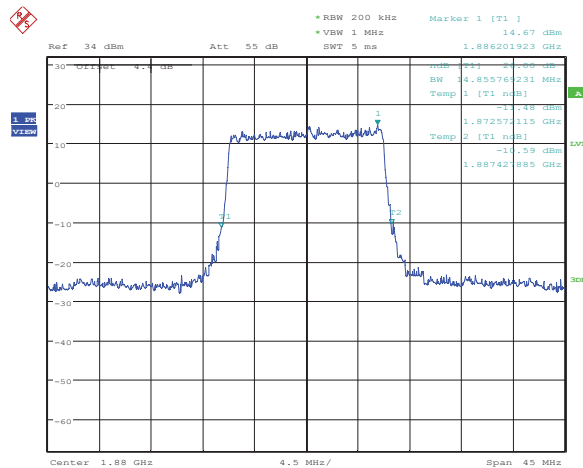
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Date: 23.JAN.2025 10:38:34

LTE band 2 , 15MHz Bandwidth,MID,QPSK (-26dBc BW)

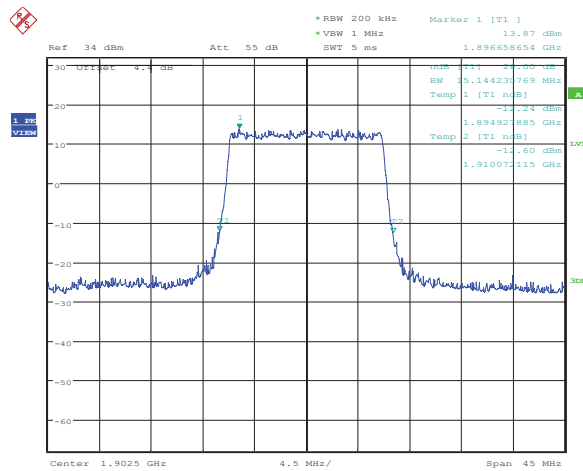


Date: 23.JAN.2025 10:39:00

LTE band 2 , 15MHz Bandwidth,HIGH,QPSK (-26dBc BW)

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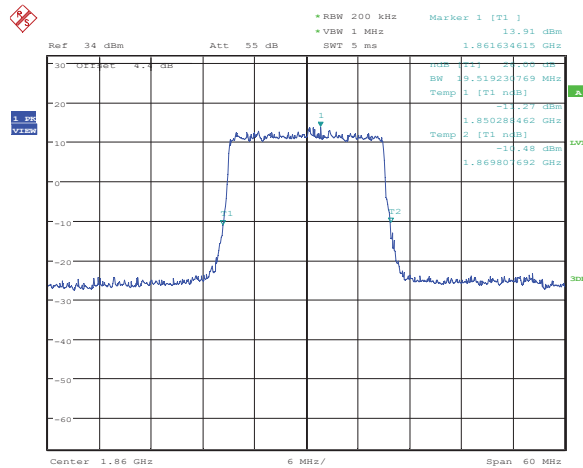


Date: 23.JAN.2025 10:39:28

LTE band 2,20MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)
	QPSK
1860	19.519
1880	19.808
1900	19.904

LTE band 2 , 20MHz Bandwidth,LOW,QPSK (-26dBc BW)

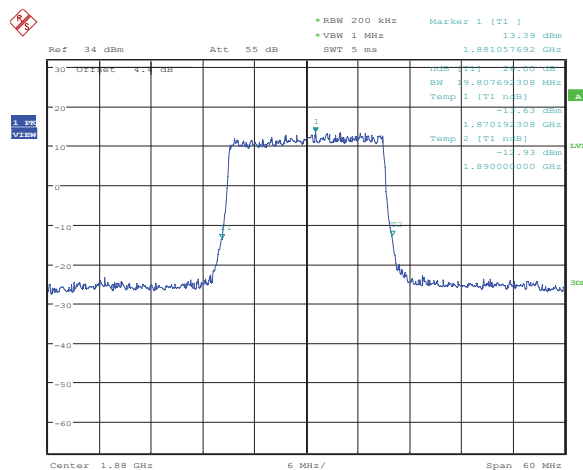


Date: 23.JAN.2025 10:40:09

LTE band 2 , 20MHz Bandwidth,MID,QPSK (-26dBc BW)

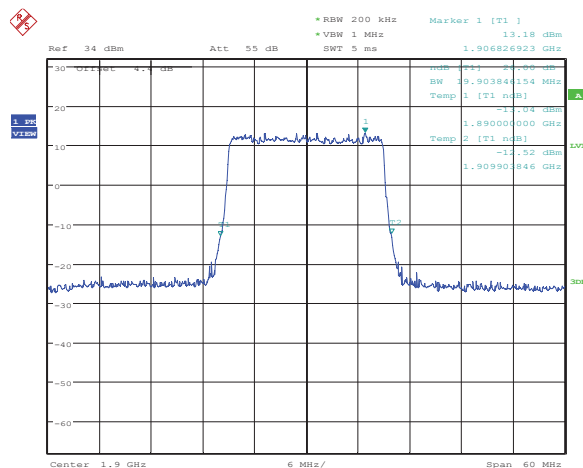
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Date: 23.JAN.2025 10:40:43

LTE band 2 , 20MHz Bandwidth,HIGH,QPSK (-26dBc BW)



Date: 23.JAN.2025 10:41:09

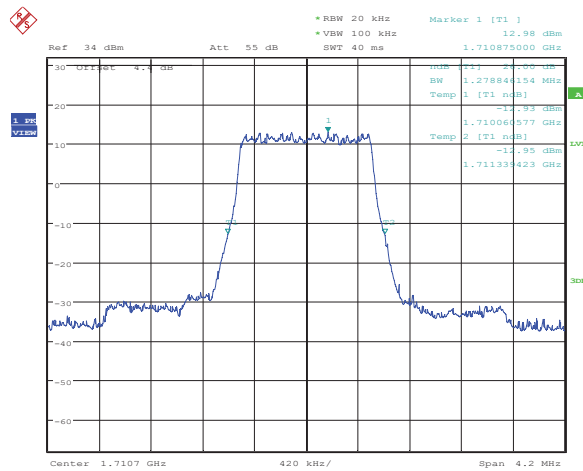
LTE band 4,1.4MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
1710.7	1.279	1.265
1732.5	1.286	1.292
1754.3	1.279	1.292

LTE band 4 , 1.4MHz Bandwidth,LOW,QPSK (-26dBc BW)

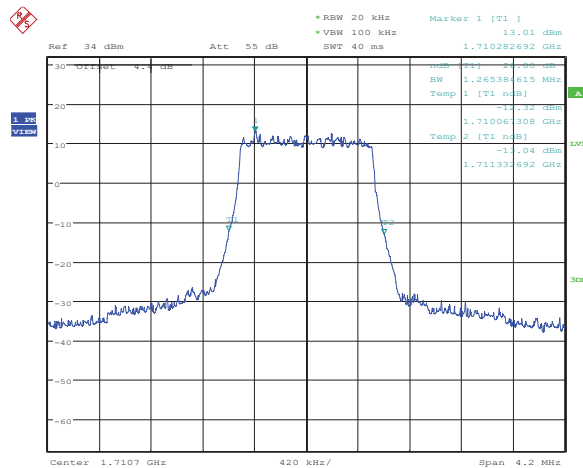
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Date: 23.JAN.2025 10:41:47

LTE band 4 , 1.4MHz Bandwidth,LOW,16QAM (-26dBc BW)

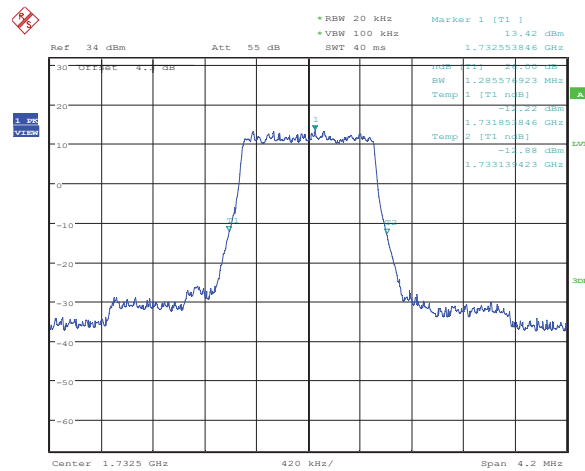


Date: 23.JAN.2025 10:42:11

LTE band 4 , 1.4MHz Bandwidth,MID,QPSK (-26dBc BW)

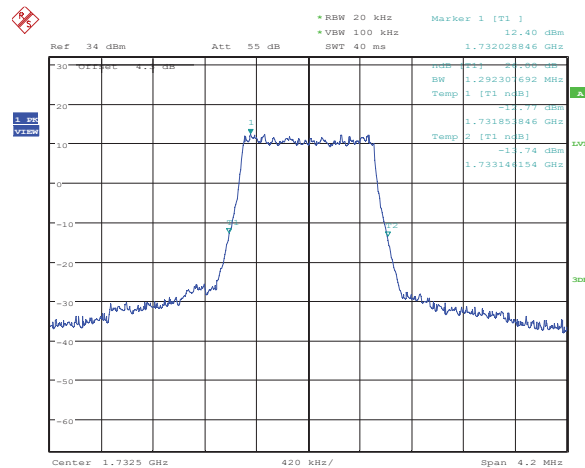
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Date: 23.JAN.2025 10:42:37

LTE band 4 , 1.4MHz Bandwidth,MID,16QAM (-26dBc BW)

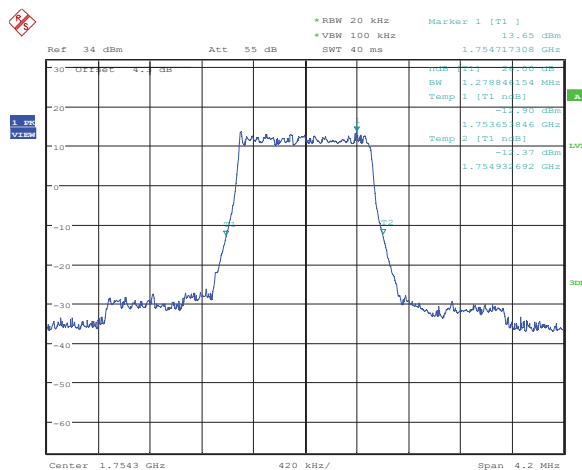


Date: 23.JAN.2025 10:42:58

LTE band 4 , 1.4MHz Bandwidth,HIGH,QPSK (-26dBc BW)

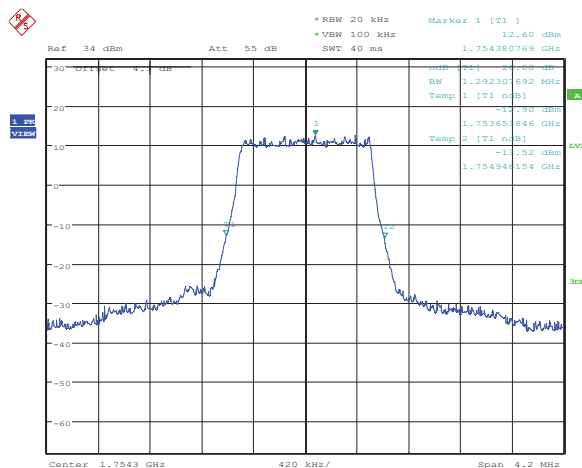
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Date: 23.JAN.2025 10:43:24

LTE band 4 , 1.4MHz Bandwidth,HIGH,16QAM (-26dBc BW)



Date: 23.JAN.2025 10:43:48

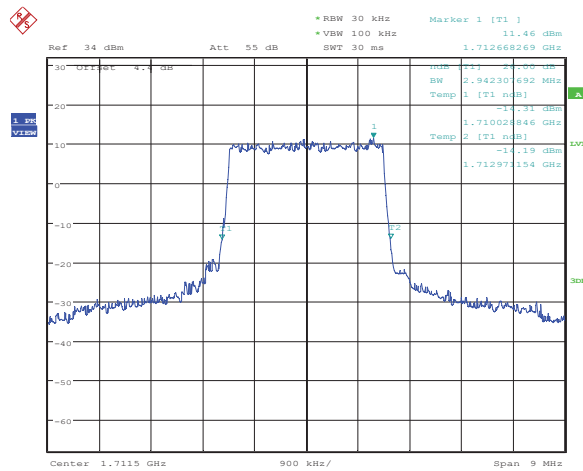
LTE band 4,3MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
1711.5	2.942	2.942
1732.5	2.942	2.942
1753.5	2.942	2.942

LTE band 4 , 3MHz Bandwidth,LOW,QPSK (-26dBc BW)

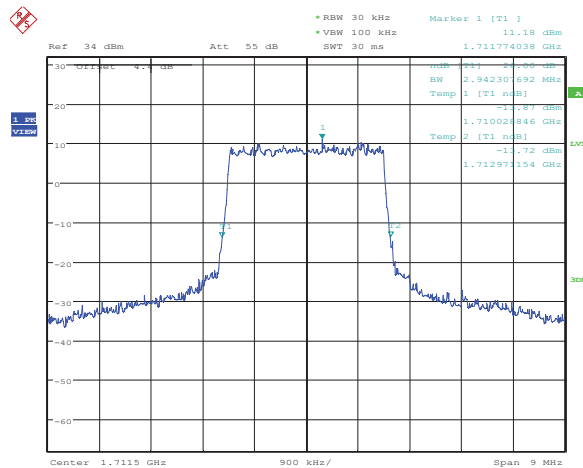
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Date: 23.JAN.2025 10:44:21

LTE band 4 , 3MHz Bandwidth,LOW,16QAM (-26dBc BW)

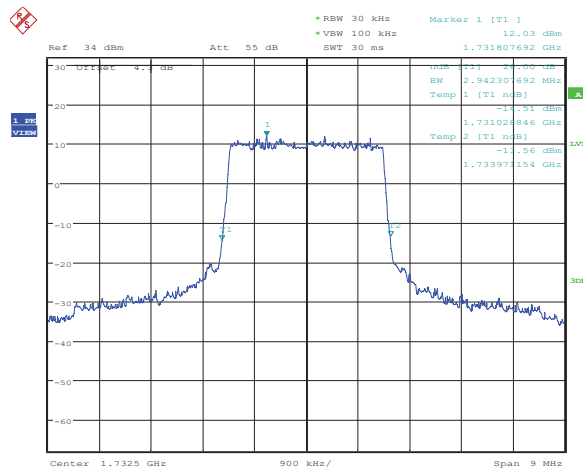


Date: 23.JAN.2025 10:44:43

LTE band 4 , 3MHz Bandwidth,MID,QPSK (-26dBc BW)

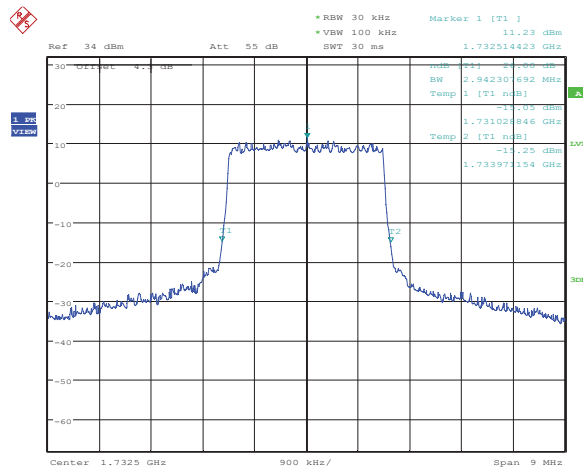
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Date: 23.JAN.2025 10:45:10

LTE band 4 , 3MHz Bandwidth,MID,16QAM (-26dBc BW)

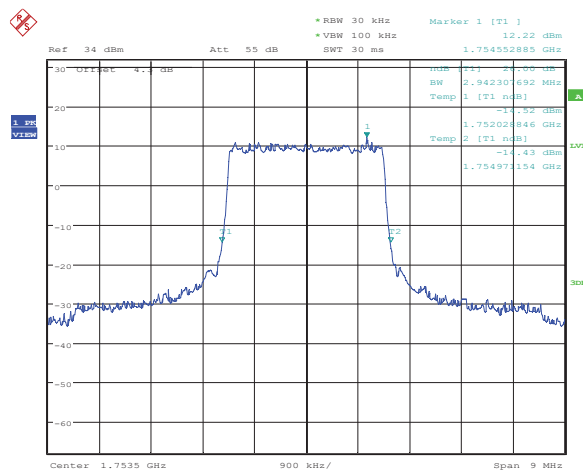


Date: 23.JAN.2025 10:45:33

LTE band 4 , 3MHz Bandwidth,HIGH,QPSK (-26dBc BW)

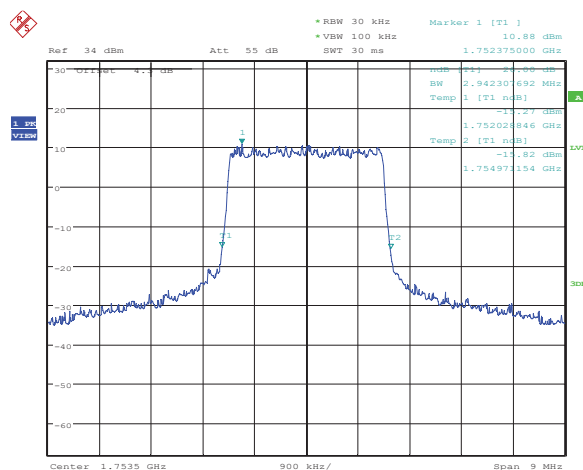
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Date: 23.JAN.2025 10:46:01

LTE band 4 , 3MHz Bandwidth,HIGH,16QAM (-26dBc BW)



Date: 23.JAN.2025 10:46:24

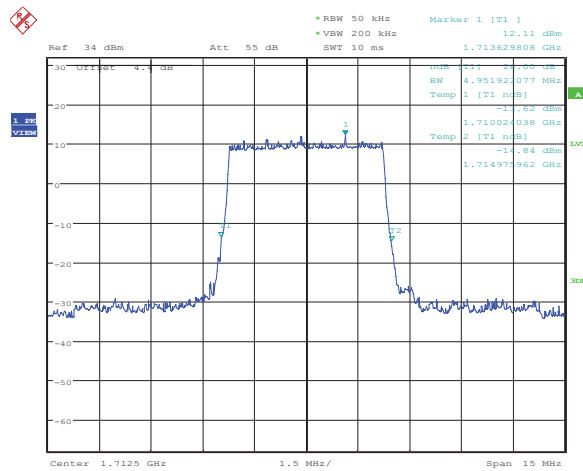
LTE band 4,5MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
1712.5	4.952	4.928
1732.5	4.904	4.904
1752.5	4.904	4.904

LTE band 4 , 5MHz Bandwidth,LOW,QPSK (-26dBc BW)

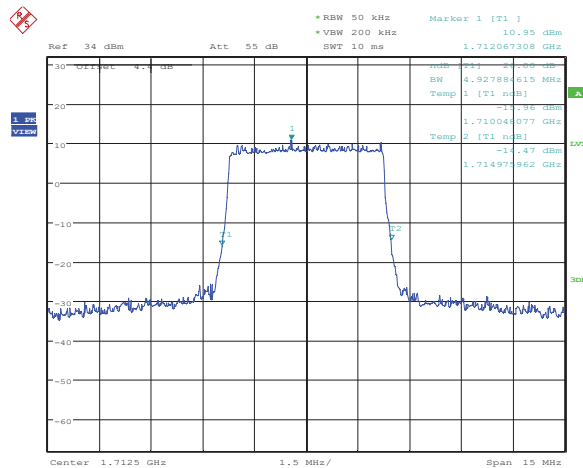
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Date: 23.JAN.2025 10:46:57

LTE band 4 , 5MHz Bandwidth,LOW,16QAM (-26dBc BW)

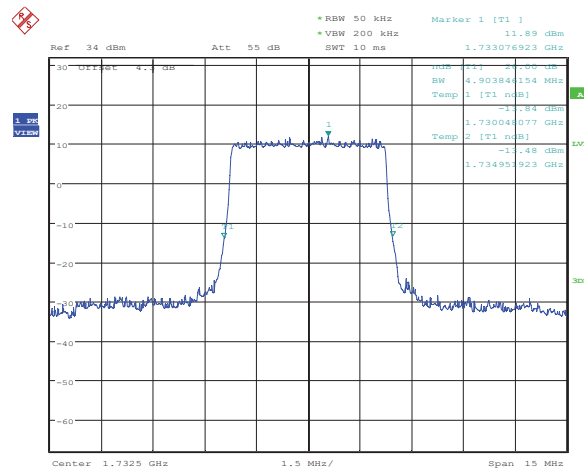


Date: 23.JAN.2025 10:47:18

LTE band 4 , 5MHz Bandwidth,MID,QPSK (-26dBc BW)

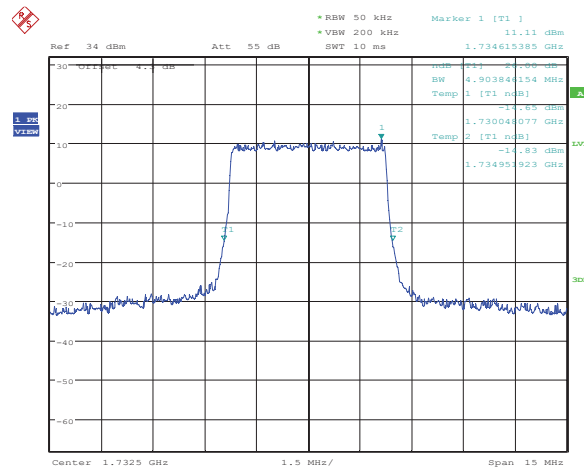
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Date: 23.JAN.2025 10:47:44

LTE band 4 , 5MHz Bandwidth,MID,16QAM (-26dBc BW)

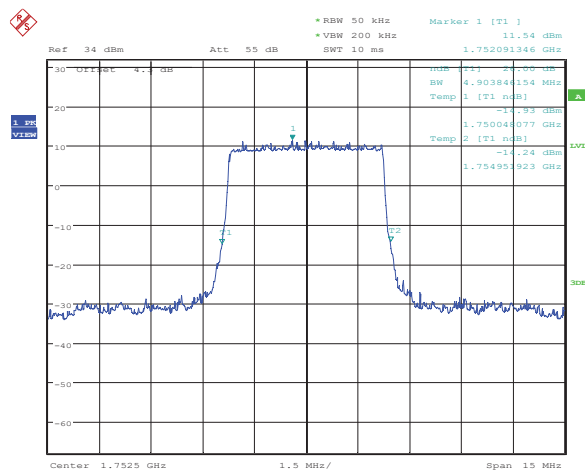


Date: 23.JAN.2025 10:48:09

LTE band 4 , 5MHz Bandwidth,HIGH,QPSK (-26dBc BW)

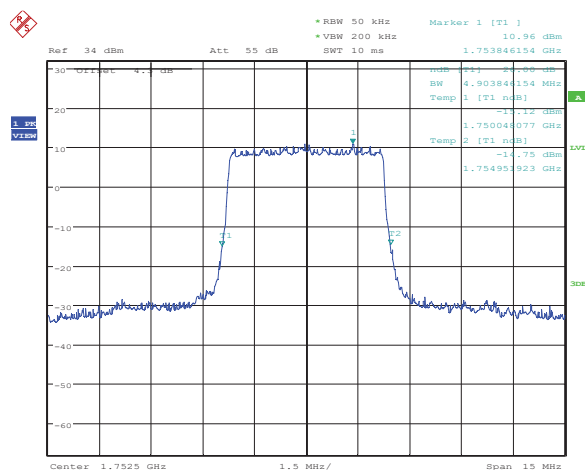
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Date: 23.JAN.2025 10:48:37

LTE band 4 , 5MHz Bandwidth,HIGH,16QAM (-26dBc BW)



Date: 23.JAN.2025 10:49:00

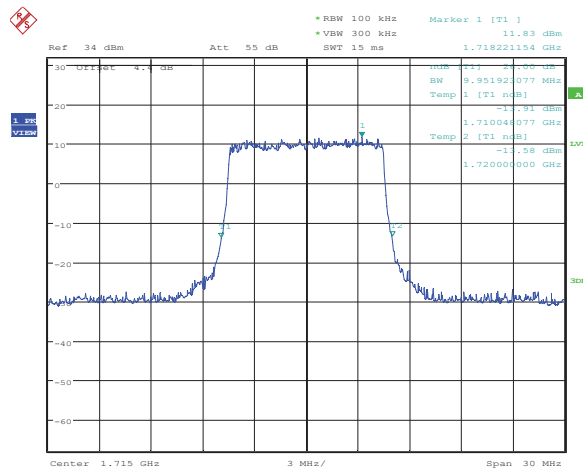
LTE band 4,10MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)
	QPSK
1715	9.952
1732.5	9.904
1750	9.952

LTE band 4 , 10MHz Bandwidth,LOW,QPSK (-26dBc BW)

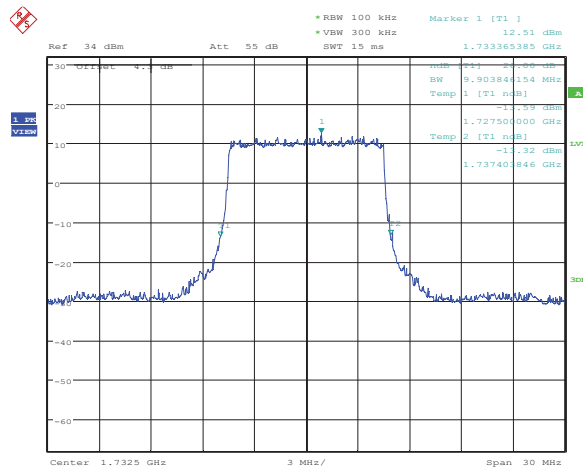
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Date: 23.JAN.2025 10:49:33

LTE band 4 , 10MHz Bandwidth,MID,QPSK (-26dBc BW)

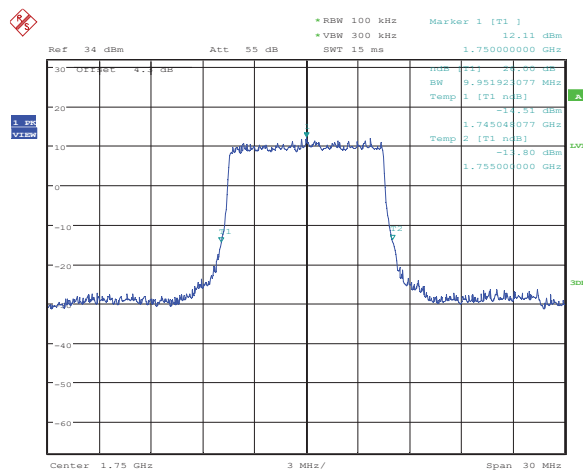


Date: 23.JAN.2025 10:49:58

LTE band 4 , 10MHz Bandwidth,HIGH,QPSK (-26dBc BW)

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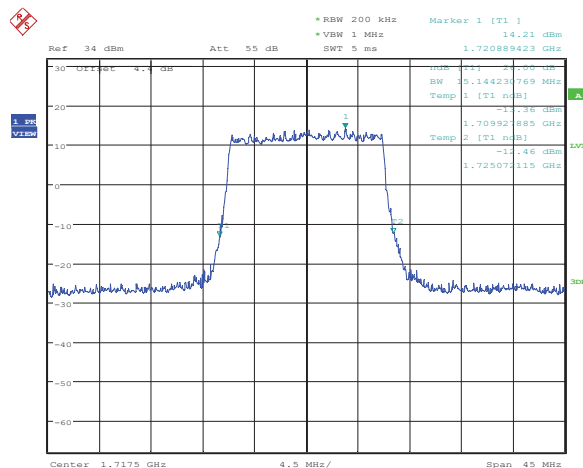


Date: 23.JAN.2025 10:50:24

LTE band 4,15MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)
	QPSK
1717.5	15.144
1732.5	15.288
1747.5	15.000

LTE band 4 , 15MHz Bandwidth,LOW,QPSK (-26dBc BW)

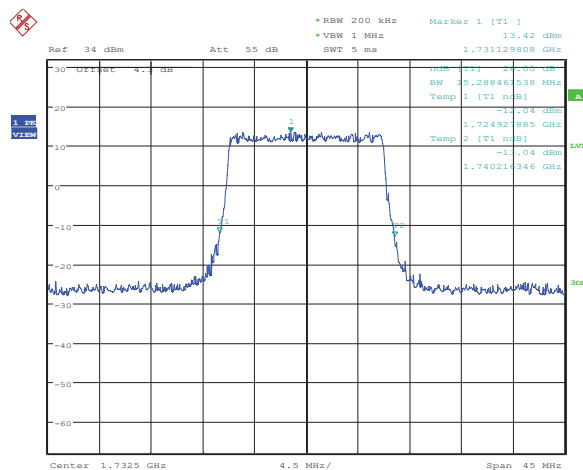


Date: 23.JAN.2025 10:51:03

LTE band 4 , 15MHz Bandwidth,MID,QPSK (-26dBc BW)

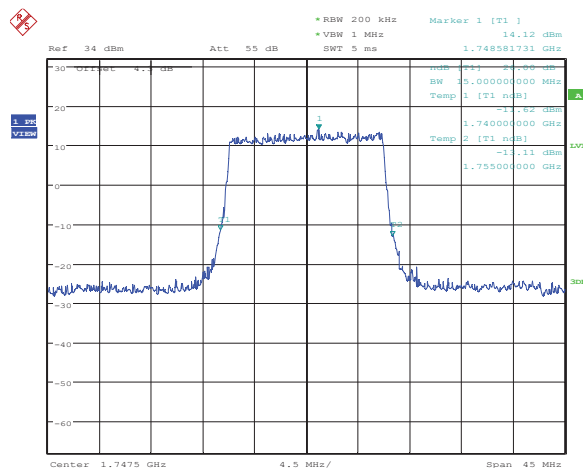
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Date: 23.JAN.2025 10:51:30

LTE band 4 , 15MHz Bandwidth,HIGH,QPSK (-26dBc BW)



Date: 23.JAN.2025 10:52:04

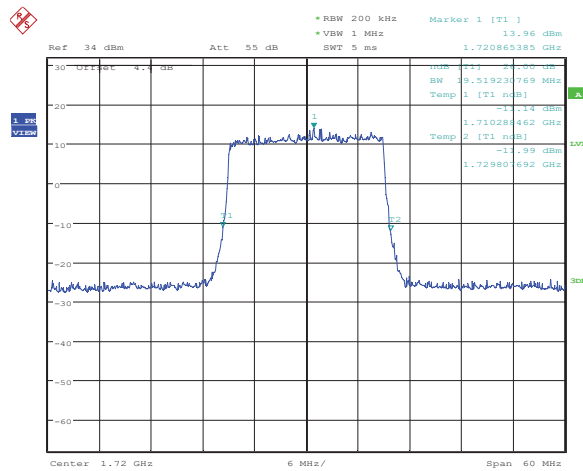
LTE band 4,20MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)
	QPSK
1720	19.519
1732.5	19.712
1745	19.712

LTE band 4 , 20MHz Bandwidth,LOW,QPSK (-26dBc BW)

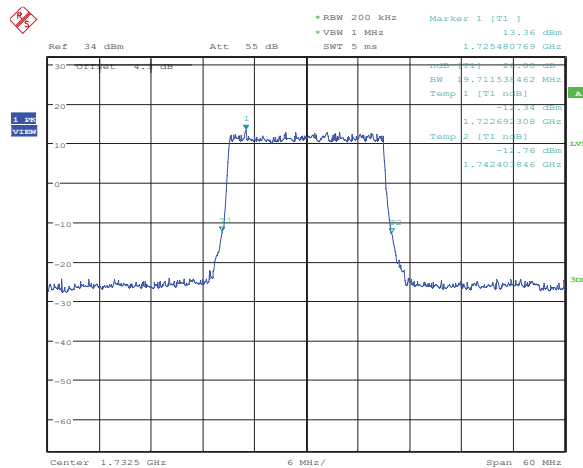
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Date: 23.JAN.2025 10:52:41

LTE band 4 , 20MHz Bandwidth,MID,QPSK (-26dBc BW)

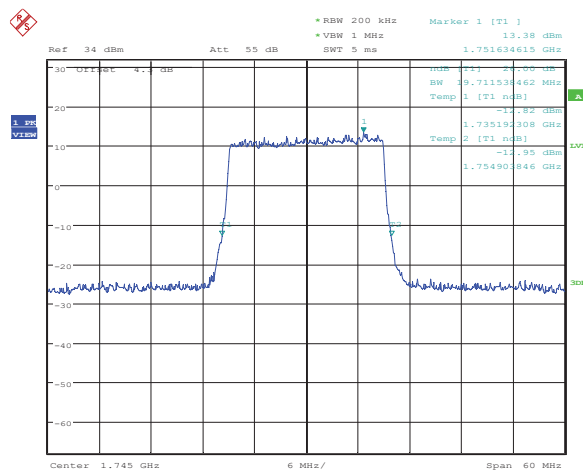


Date: 23.JAN.2025 10:53:07

LTE band 4 , 20MHz Bandwidth,HIGH,QPSK (-26dBc BW)

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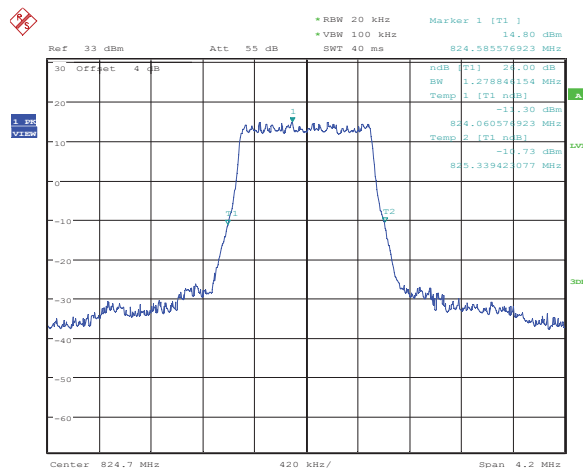


Date: 23.JAN.2025 10:53:33

LTE band 5,1.4MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
824.7	1.279	1.265
836.5	1.286	1.292
848.3	1.272	1.292

LTE band 5 , 1.4MHz Bandwidth,LOW,QPSK (-26dBc BW)

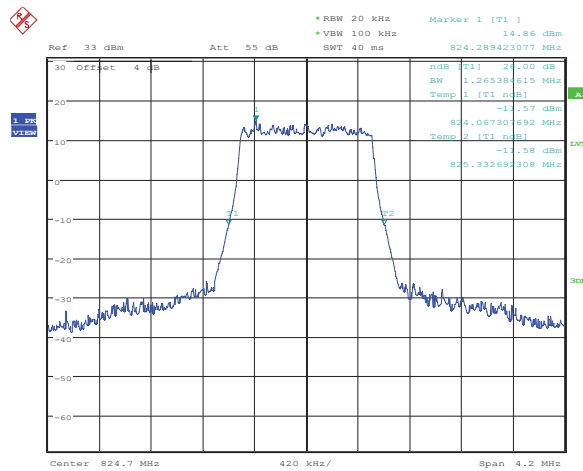


Date: 23.JAN.2025 10:54:15

LTE band 5 , 1.4MHz Bandwidth,LOW,16QAM (-26dBc BW)

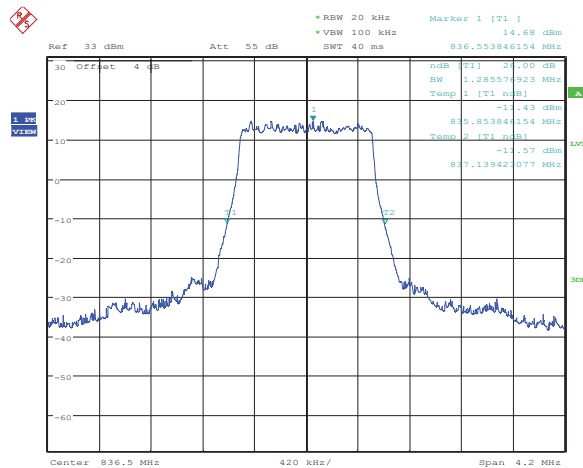
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Date: 23.JAN.2025 10:54:41

LTE band 5 , 1.4MHz Bandwidth,MID,QPSK (-26dBc BW)

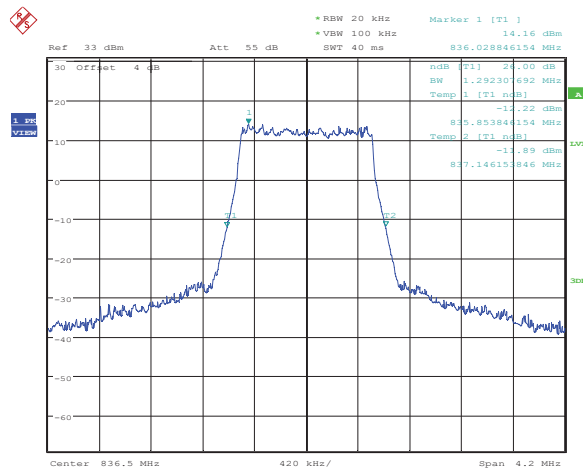


Date: 23.JAN.2025 10:55:08

LTE band 5 , 1.4MHz Bandwidth,MID,16QAM (-26dBc BW)

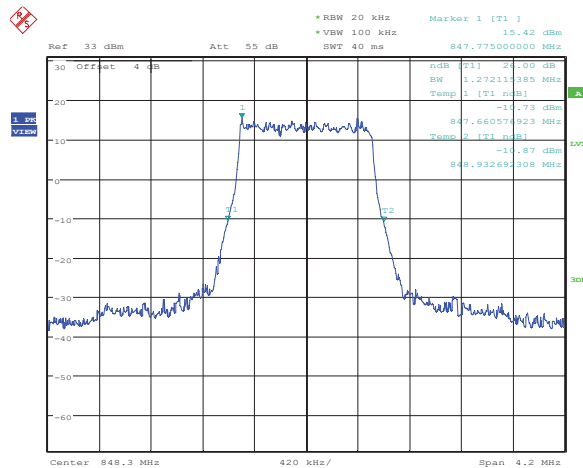
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Date: 23.JAN.2025 10:55:36

LTE band 5 , 1.4MHz Bandwidth,HIGH,QPSK (-26dBc BW)

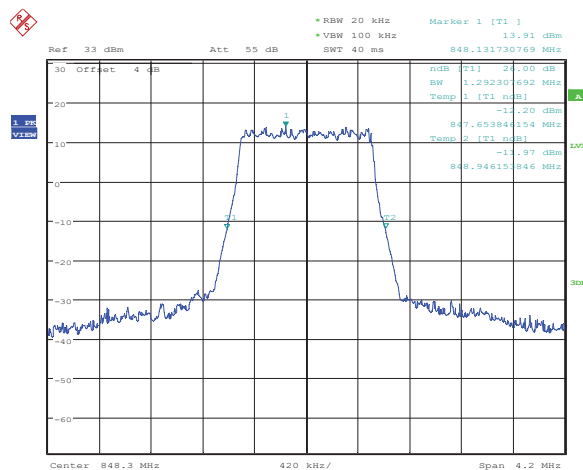


Date: 23.JAN.2025 10:56:02

LTE band 5 , 1.4MHz Bandwidth,HIGH,16QAM (-26dBc BW)

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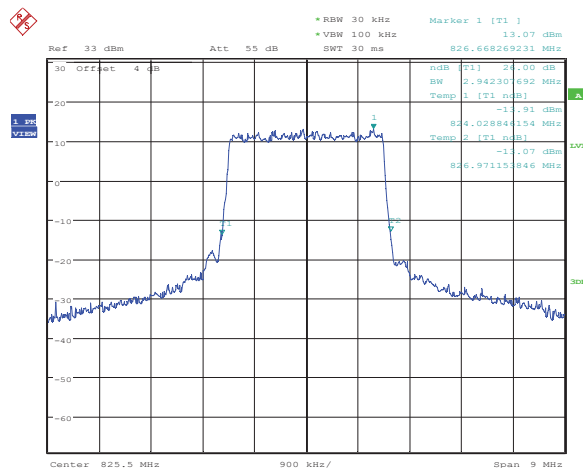


Date: 23.JAN.2025 10:56:24

LTE band 5,3MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
825.5	2.942	2.957
836.5	2.942	2.942
847.5	2.942	2.942

LTE band 5 , 3MHz Bandwidth,LOW,QPSK (-26dBc BW)

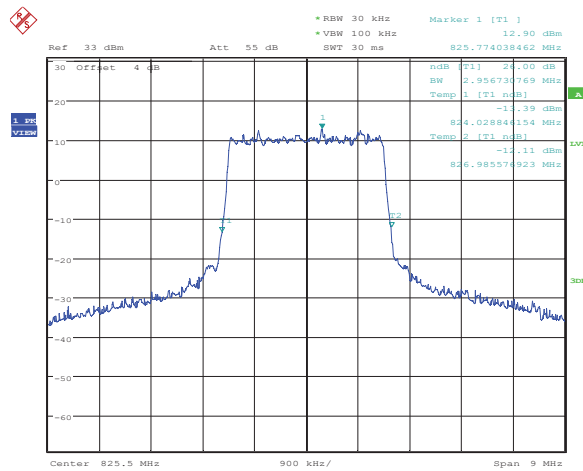


Date: 23.JAN.2025 10:57:00

LTE band 5 , 3MHz Bandwidth,LOW,16QAM (-26dBc BW)

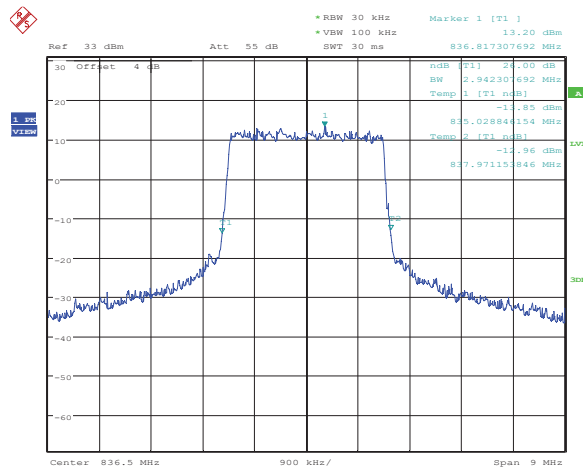
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Date: 23.JAN.2025 10:57:21

LTE band 5 , 3MHz Bandwidth,MID,QPSK (-26dBc BW)

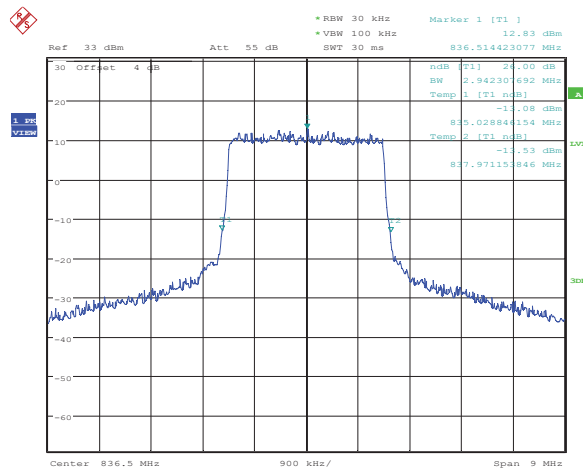


Date: 23.JAN.2025 10:57:50

LTE band 5 , 3MHz Bandwidth,MID,16QAM (-26dBc BW)

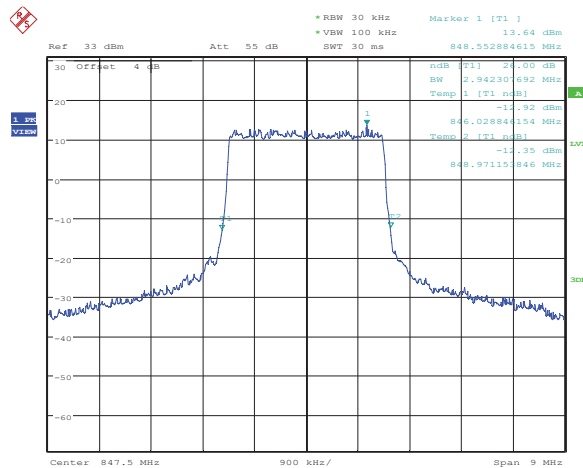
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Date: 23.JAN.2025 10:58:19

LTE band 5 , 3MHz Bandwidth,HIGH,QPSK (-26dBc BW)

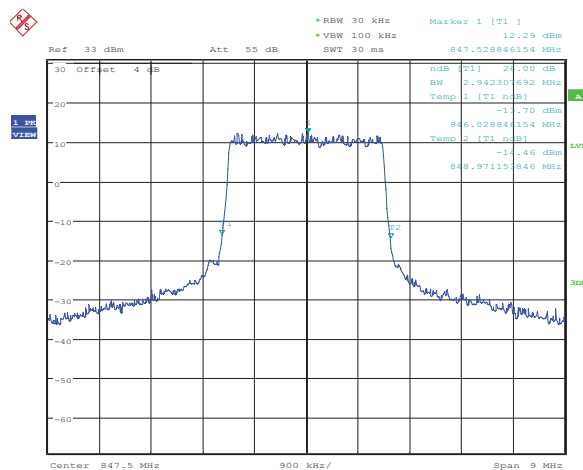


Date: 23.JAN.2025 10:58:48

LTE band 5 , 3MHz Bandwidth,HIGH,16QAM (-26dBc BW)

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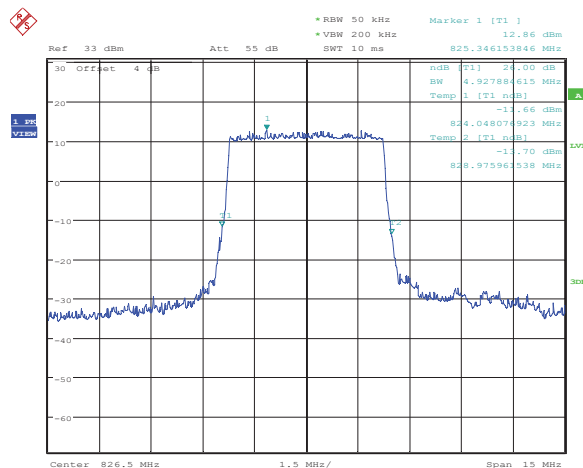


Date: 23.JAN.2025 10:59:13

LTE band 5,5MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
826.5	4.928	4.880
836.5	4.928	4.904
846.5	4.904	4.928

LTE band 5 , 5MHz Bandwidth,LOW,QPSK (-26dBc BW)

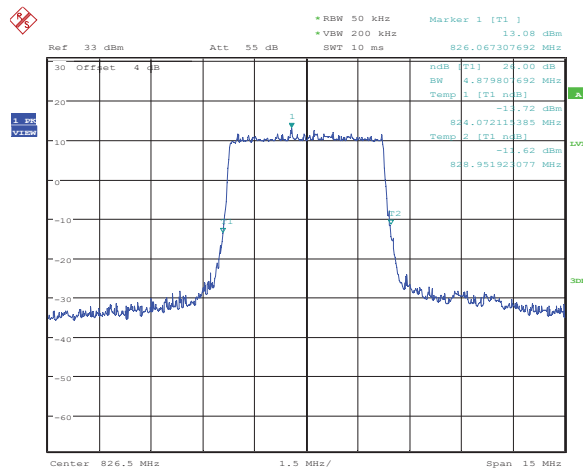


Date: 23.JAN.2025 10:59:46

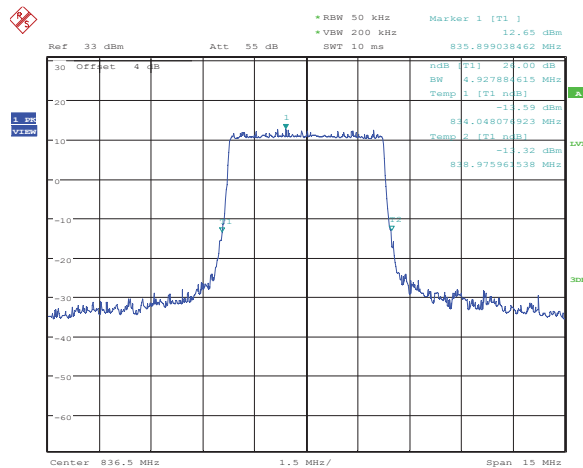
LTE band 5 , 5MHz Bandwidth,LOW,16QAM (-26dBc BW)

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LTE band 5 , 5MHz Bandwidth,MID,QPSK (-26dBc BW)



LTE band 5 , 5MHz Bandwidth,MID,16QAM (-26dBc BW)

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*RBW 50 kHz
 *VBW 200 kHz
 Ref 33 dBm Att 55 dB SWT 10 ms 834.937500000 MHz

nBW [1] 21.00 dB
 BW 4.90384154 MHz
 Temp 1 [T1 nB] -13.70 dBm
 834.048074923 MHz
 Temp 2 [T1 nB] -10.81 dBm
 838.951921077 MHz

Center 836.5 MHz 1.5 MHz/ Span 15 MHz

Ref 33 dBm Att 55 dB BW 50 kHz VSW 200 kHz SWT 10 ms Marker 1 [T1] 13.56 dBm 846.067307692 MHz

30 Offset 4 dB

20

10

0

-10

-20

-30

-40

-50

-60

1.5 MHz /

Span 15 MHz

Center 846.5 MHz

dB [T1] 13.56 dBm

SW 4.903844154 MHz

Temp 1 [T1 nB]

844.048074923 MHz

Temp 2 [T1 nB]

848.951921077 MHz

13.56 dBm

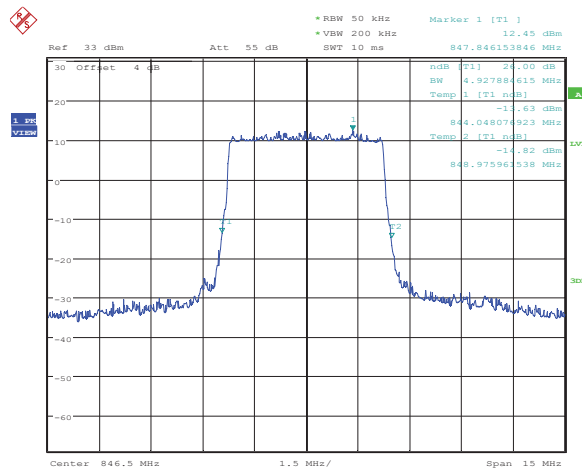
-13.35 dBm

-12.82 dBm

846.067307692 MHz

846.951921077 MHz

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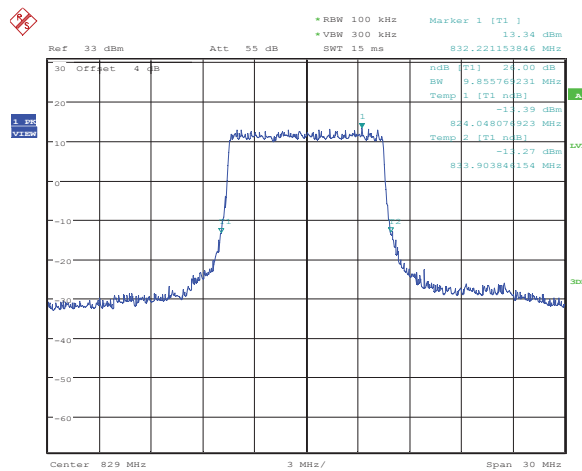


Date: 23.JAN.2025 11:01:55

LTE band 5,10MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)
	QPSK
829	9.856
836.5	9.856
844	9.952

LTE band 5 , 10MHz Bandwidth,LOW,QPSK (-26dBc BW)

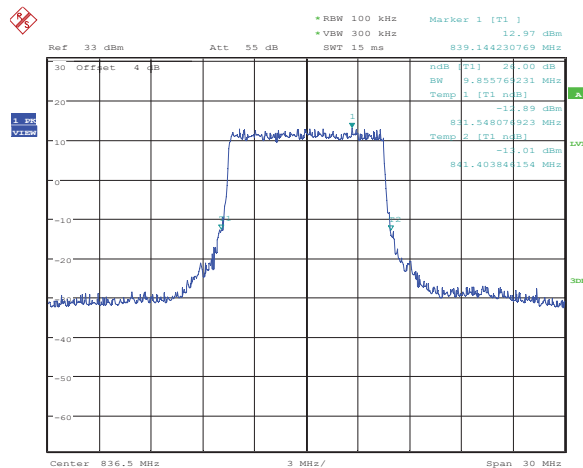


Date: 23.JAN.2025 11:02:36

LTE band 5 , 10MHz Bandwidth,MID,QPSK (-26dBc BW)

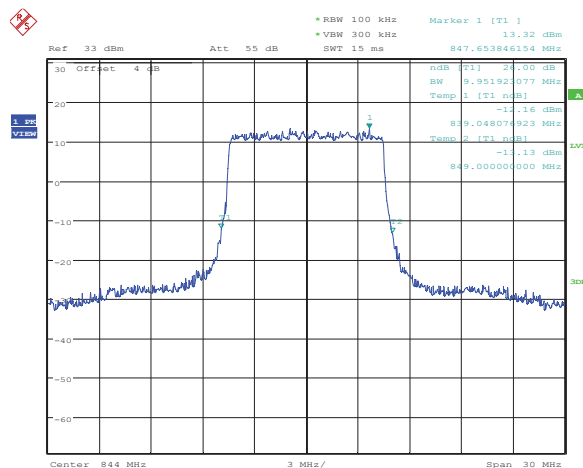
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Date: 23.JAN.2025 11:03:09

LTE band 5 , 10MHz Bandwidth,HIGH,QPSK (-26dBc BW)



Date: 23.JAN.2025 11:03:43

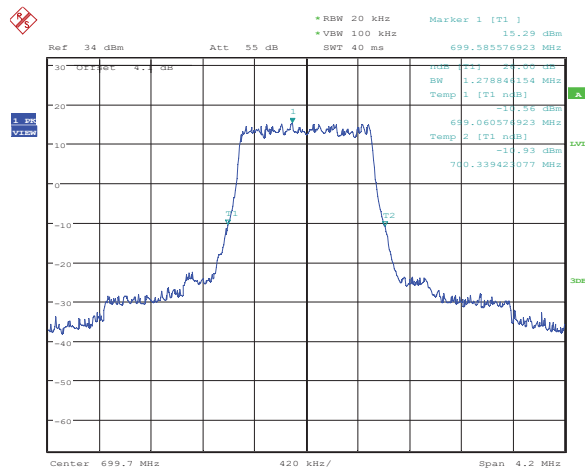
LTE band 12,1.4MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
699.7	1.279	1.272
707.5	1.299	1.292
715.3	1.272	1.292

LTE band 12 , 1.4MHz Bandwidth,LOW,QPSK (-26dBc BW)

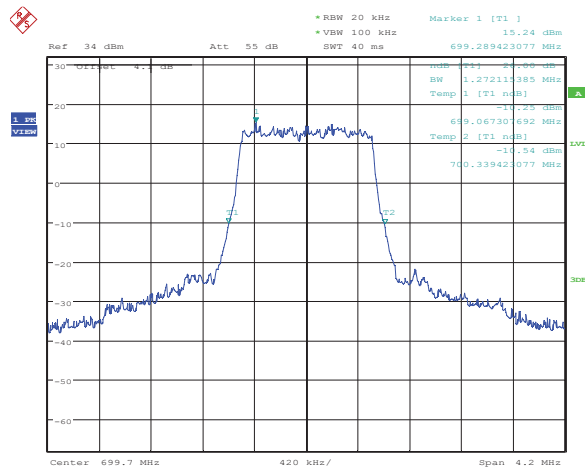
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Date: 23.JAN.2025 11:04:21

LTE band 12 , 1.4MHz Bandwidth,LOW,16QAM (-26dBc BW)

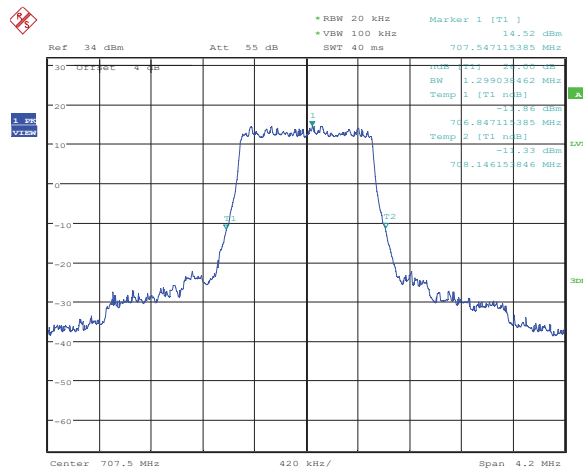


Date: 23.JAN.2025 11:04:43

LTE band 12 , 1.4MHz Bandwidth,MID,QPSK (-26dBc BW)

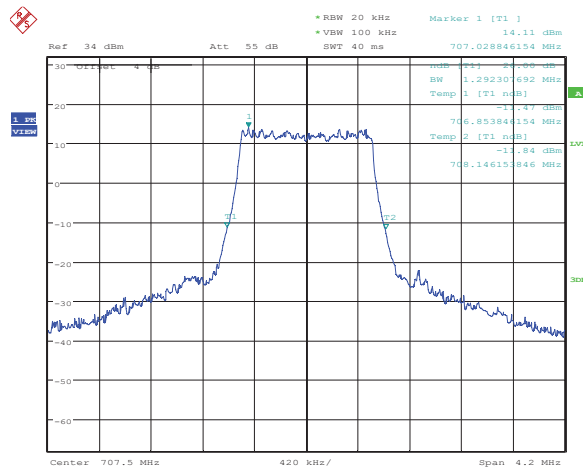
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Date: 23.JAN.2025 11:05:09

LTE band 12 , 1.4MHz Bandwidth,MID,16QAM (-26dBc BW)

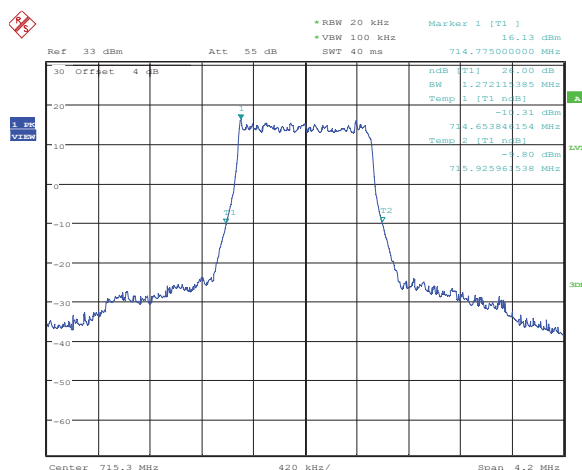


Date: 23.JAN.2025 11:05:30

LTE band 12 , 1.4MHz Bandwidth,HIGH,QPSK (-26dBc BW)

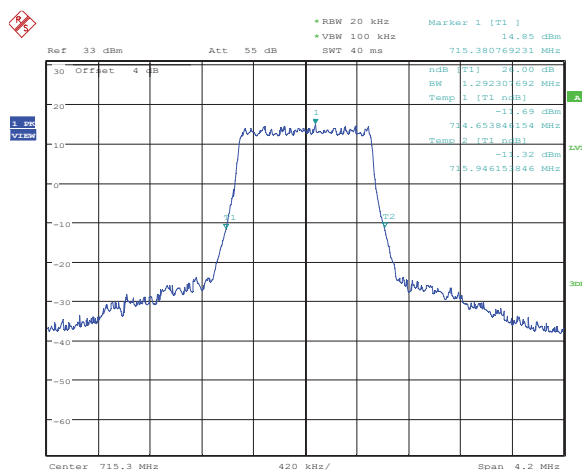
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Date: 23.JAN.2025 11:05:56

LTE band 12 , 1.4MHz Bandwidth,HIGH,16QAM (-26dB BW)



Date: 23.JAN.2025 11:06:20

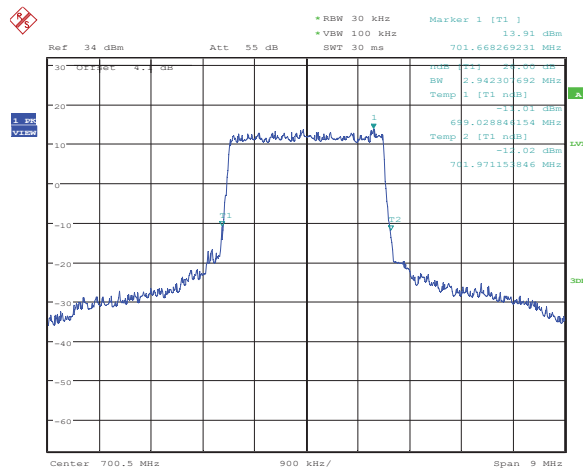
LTE band 12,3MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
700.5	2.942	2.986
707.5	2.942	2.942
714.5	2.942	2.928

LTE band 12 , 3MHz Bandwidth,LOW,QPSK (-26dB BW)

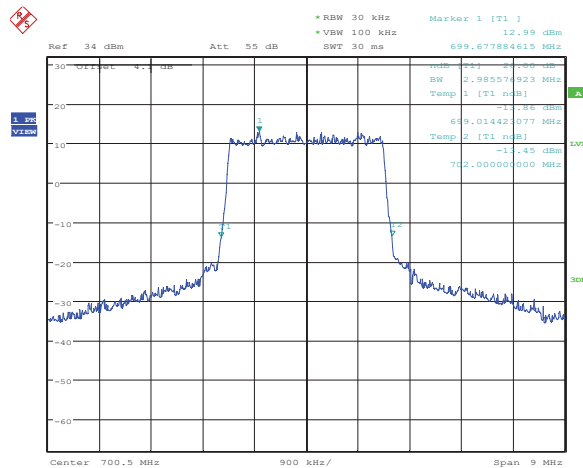
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Date: 23.JAN.2025 11:06:54

LTE band 12 , 3MHz Bandwidth,LOW,16QAM (-26dBc BW)

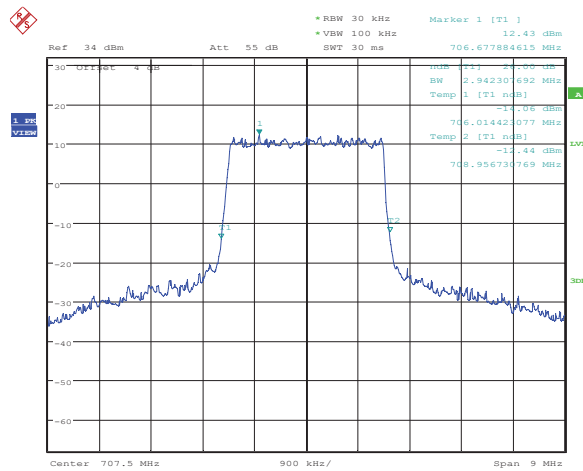


Date: 23.JAN.2025 11:07:17

LTE band 12 , 3MHz Bandwidth,MID,QPSK (-26dBc BW)

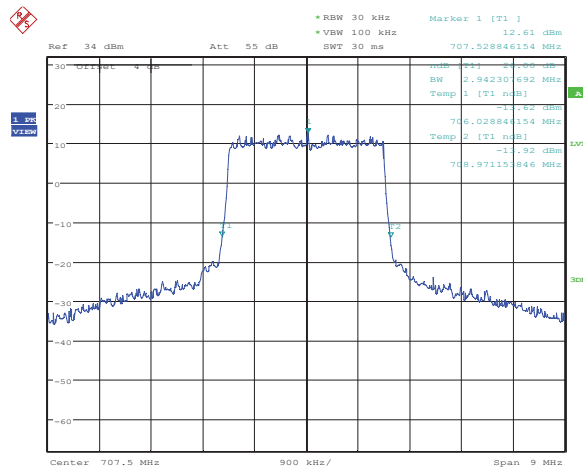
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Date: 23.JAN.2025 11:07:45

LTE band 12 , 3MHz Bandwidth,MID,16QAM (-26dBc BW)

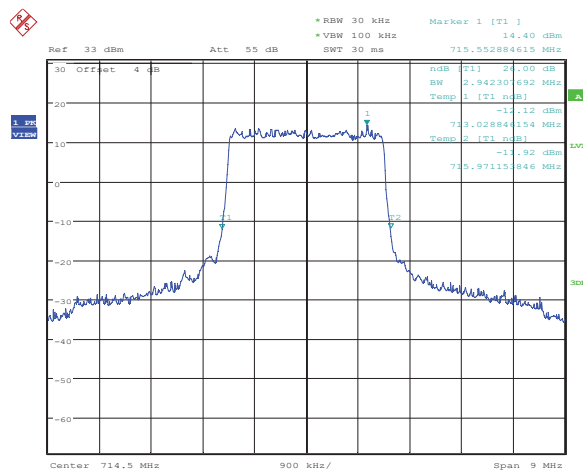


Date: 23.JAN.2025 11:08:09

LTE band 12 , 3MHz Bandwidth,HIGH,QPSK (-26dBc BW)

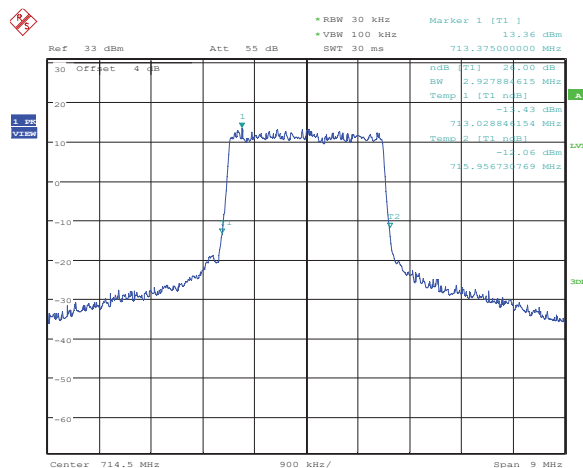
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Date: 23.JAN.2025 11:08:37

LTE band 12 , 3MHz Bandwidth,HIGH,16QAM (-26dBc BW)



Date: 23.JAN.2025 11:09:06

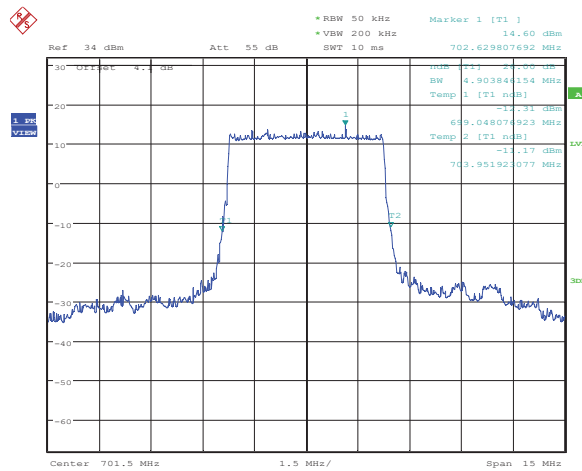
LTE band 12,5MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
701.5	4.904	4.904
707.5	4.928	4.904
713.5	4.880	4.928

LTE band 12 , 5MHz Bandwidth,LOW,QPSK (-26dBc BW)

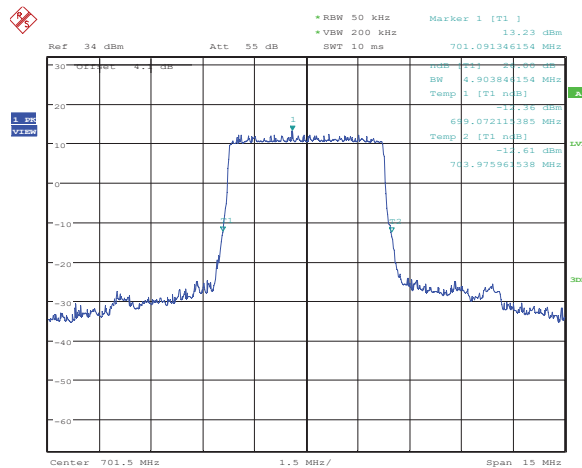
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Date: 23.JAN.2025 11:09:52

LTE band 12 , 5MHz Bandwidth,LOW,16QAM (-26dBc BW)

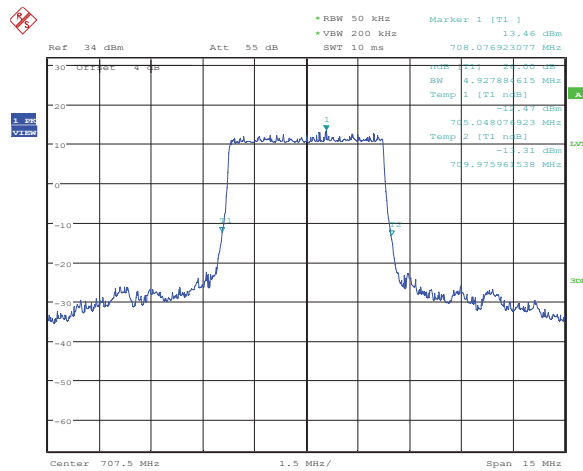


Date: 23.JAN.2025 11:10:15

LTE band 12 , 5MHz Bandwidth,MID,QPSK (-26dBc BW)

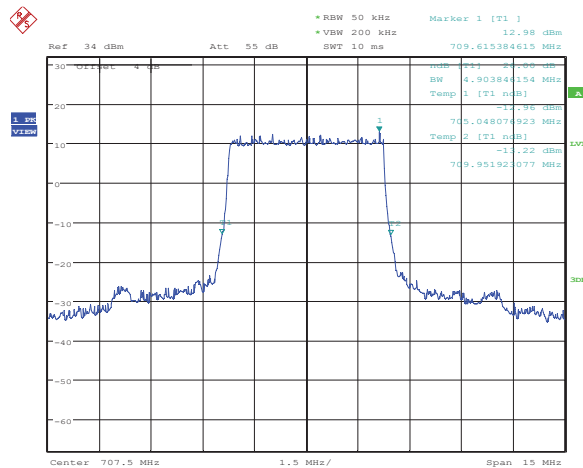
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Date: 23.JAN.2025 11:10:54

LTE band 12 , 5MHz Bandwidth,MID,16QAM (-26dBc BW)

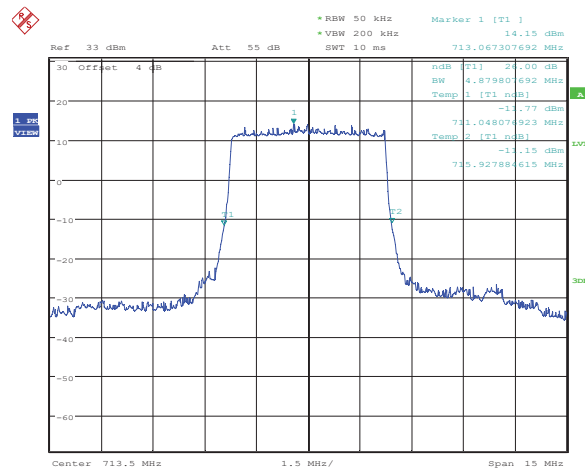


Date: 23.JAN.2025 11:11:15

LTE band 12 , 5MHz Bandwidth,HIGH,QPSK (-26dBc BW)

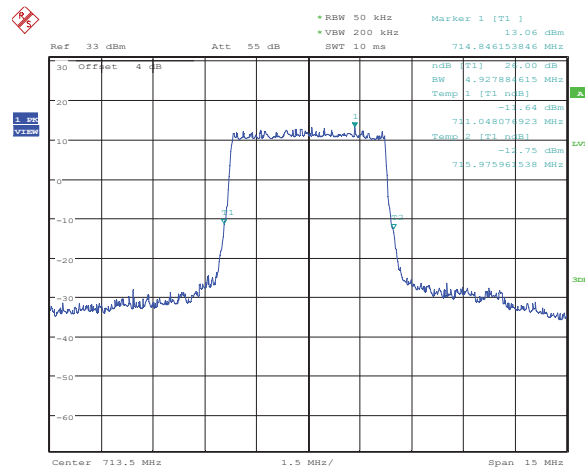
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Date: 23.JAN.2025 11:11:41

LTE band 12 , 5MHz Bandwidth,HIGH,16QAM (-26dBc BW)



Date: 23.JAN.2025 11:12:10

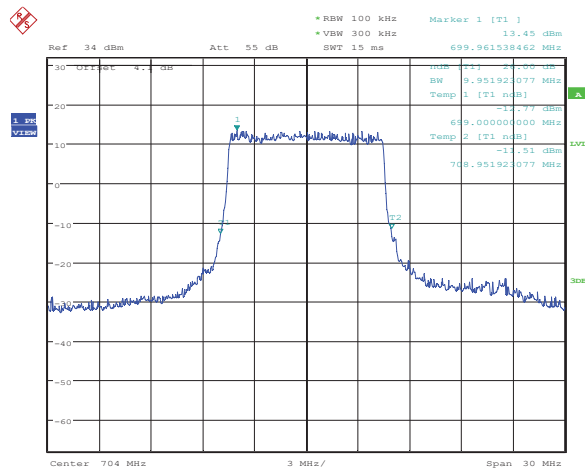
LTE band 12,10MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)
	QPSK
704	9.952
707.5	9.952
711	9.904

LTE band 12 , 10MHz Bandwidth,LOW,QPSK (-26dBc BW)

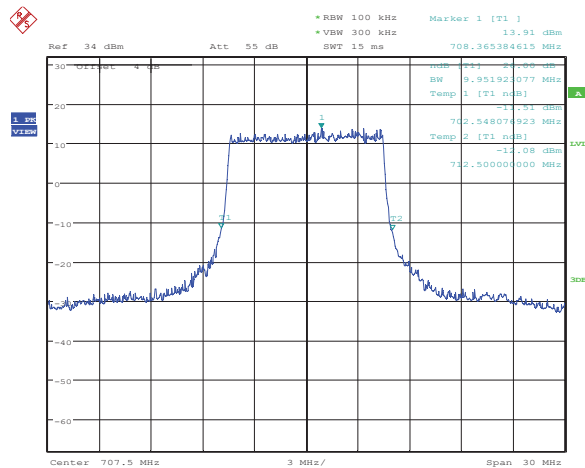
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Date: 23.JAN.2025 11:12:44

LTE band 12 , 10MHz Bandwidth,MID,QPSK (-26dBc BW)

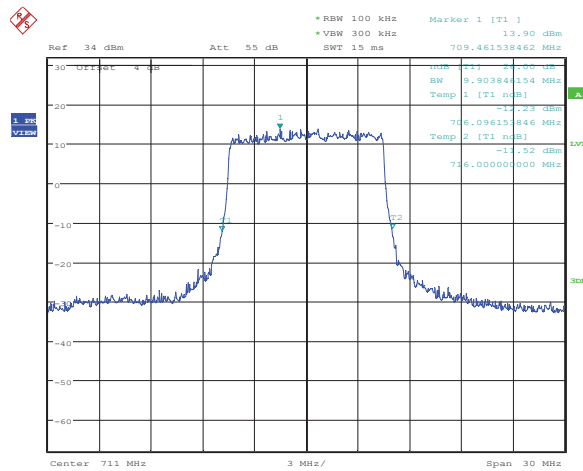


Date: 23.JAN.2025 11:13:10

LTE band 12 , 10MHz Bandwidth,HIGH,QPSK (-26dBc BW)

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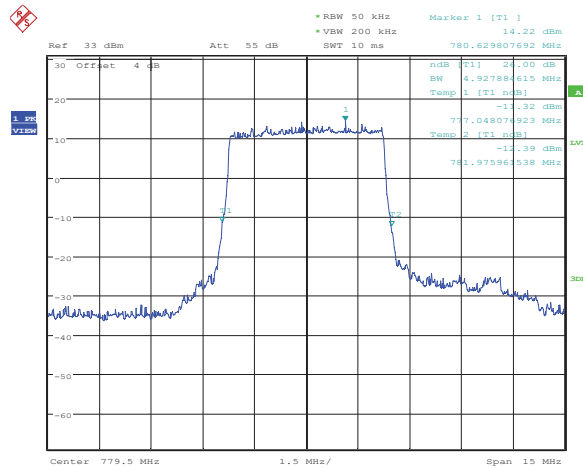


Date: 23.JAN.2025 11:13:36

LTE band 13,5MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
779.5	4.928	4.904
782	4.928	4.928
784.5	4.928	4.928

LTE band 13 , 5MHz Bandwidth,LOW,QPSK (-26dBc BW)

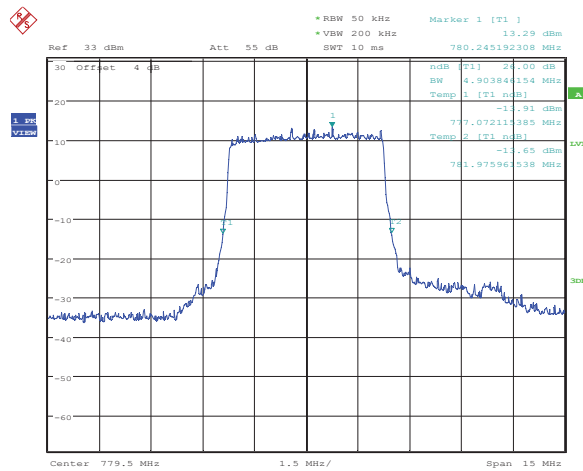


Date: 23.JAN.2025 11:14:14

LTE band 13 , 5MHz Bandwidth,LOW,16QAM (-26dBc BW)

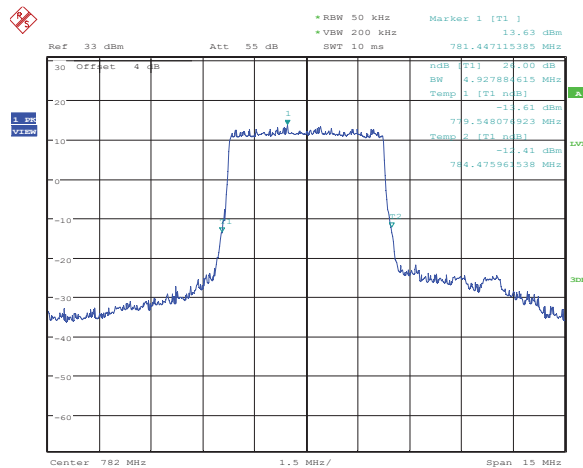
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Date: 23.JAN.2025 11:14:35

LTE band 13 , 5MHz Bandwidth,MID,QPSK (-26dBc BW)

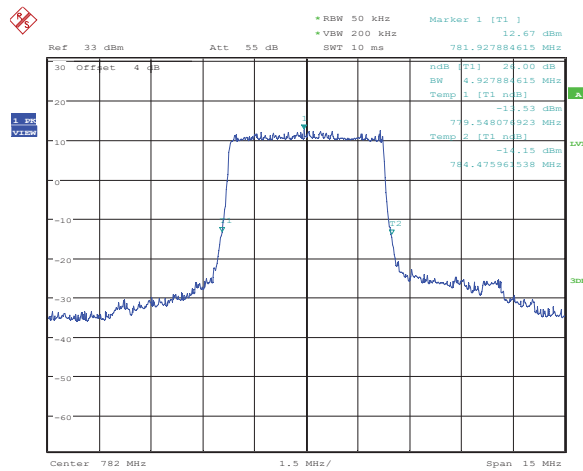


Date: 23.JAN.2025 11:15:01

LTE band 13 , 5MHz Bandwidth,MID,16QAM (-26dBc BW)

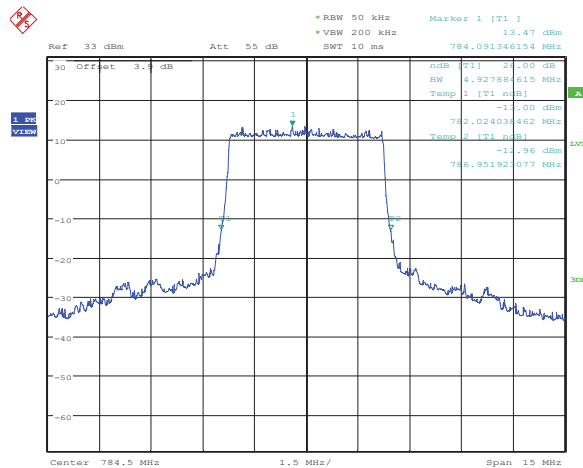
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Date: 23.JAN.2025 11:15:28

LTE band 13 , 5MHz Bandwidth,HIGH,QPSK (-26dBc BW)

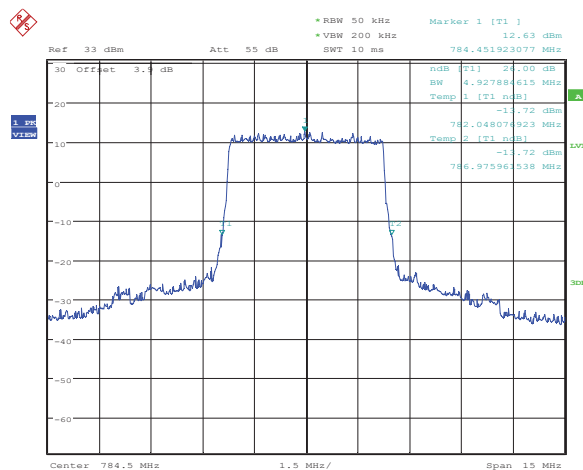


Date: 23.JAN.2025 11:15:57

LTE band 13 , 5MHz Bandwidth,HIGH,16QAM (-26dBc BW)

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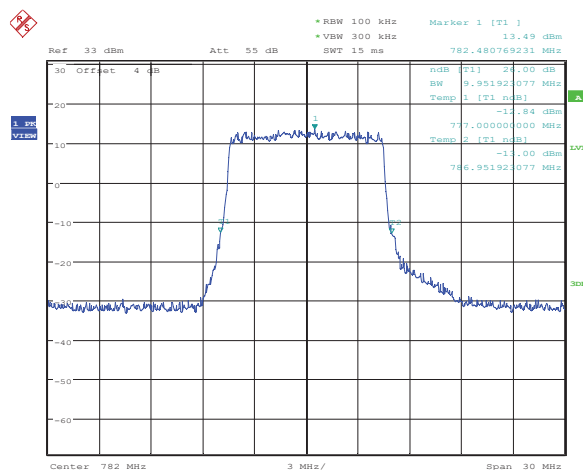


Date: 23.JAN.2025 11:16:20

LTE band 13,10MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)
	QPSK
782	9.952
782	9.952
782	9.952

LTE band 13 , 10MHz Bandwidth,LOW,QPSK (-26dBc BW)

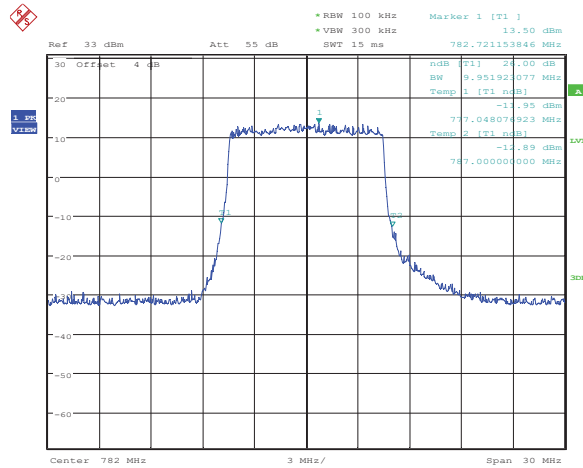


Date: 23.JAN.2025 11:16:53

LTE band 13 , 10MHz Bandwidth,MID,QPSK (-26dBc BW)

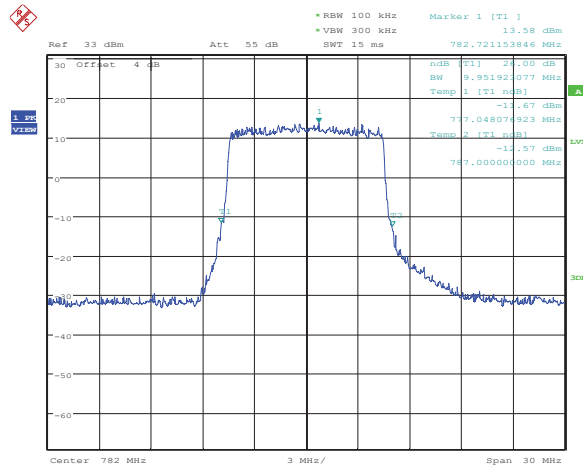
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Date: 23.JAN.2025 11:17:15

LTE band 13 , 10MHz Bandwidth,HIGH,QPSK (-26dBc BW)



Date: 23.JAN.2025 11:17:39

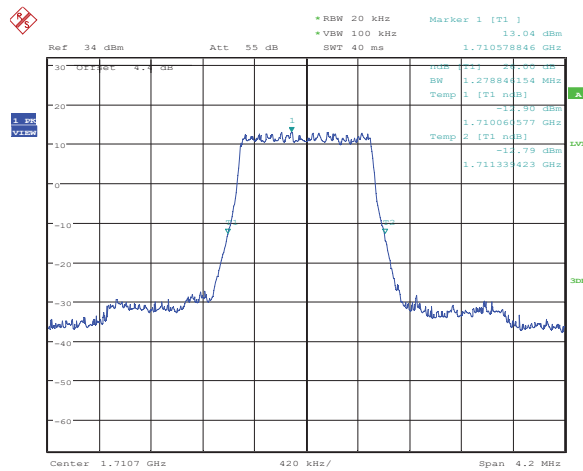
LTE band 66,1.4MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
1710.7	1.279	1.272
1745	1.286	1.292
1779.3	1.279	1.279

LTE band 66 , 1.4MHz Bandwidth,LOW,QPSK (-26dBc BW)

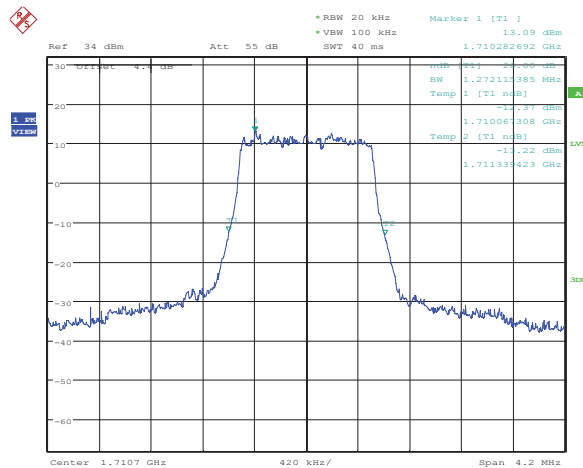
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Date: 23.JAN.2025 11:18:19

LTE band 66 , 1.4MHz Bandwidth,LOW,16QAM (-26dBc BW)

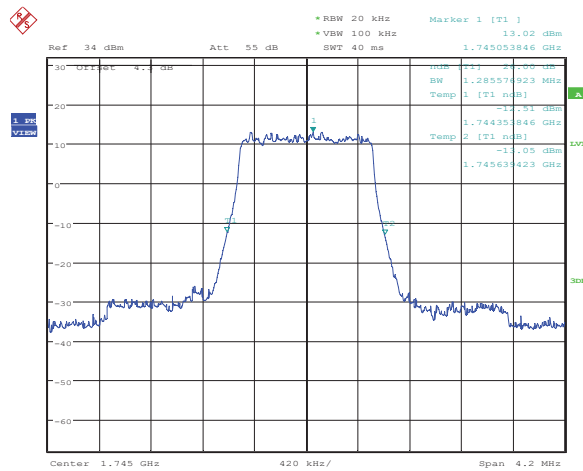


Date: 23.JAN.2025 11:18:44

LTE band 66 , 1.4MHz Bandwidth,MID,QPSK (-26dBc BW)

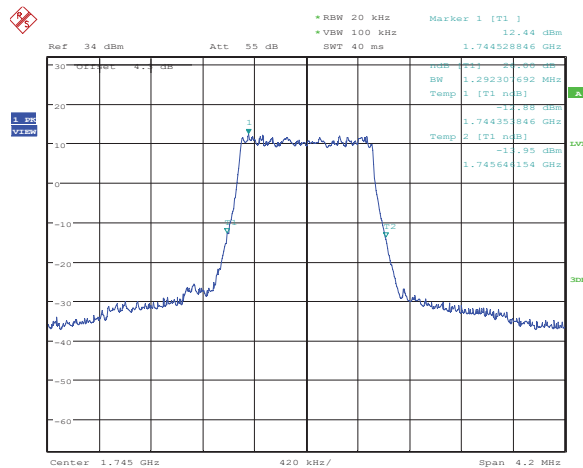
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Date: 23.JAN.2025 11:19:10

LTE band 66 , 1.4MHz Bandwidth,MID,16QAM (-26dBc BW)

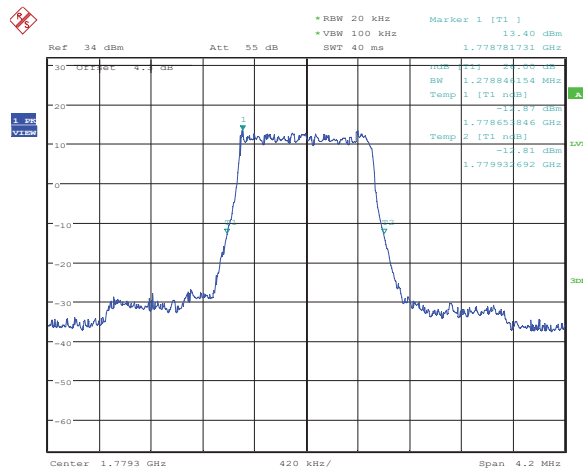


Date: 23.JAN.2025 11:19:34

LTE band 66 , 1.4MHz Bandwidth,HIGH,QPSK (-26dBc BW)

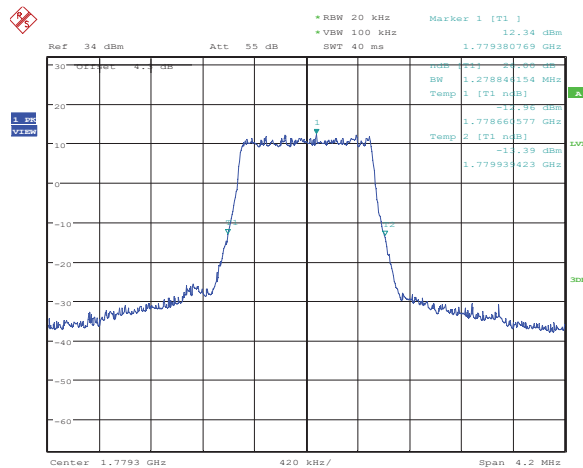
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Date: 23.JAN.2025 11:20:03

LTE band 66 , 1.4MHz Bandwidth,HIGH,16QAM (-26dBc BW)



Date: 23.JAN.2025 11:20:27

LTE band 66,3MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
1711.5	2.957	2.971
1745	2.942	2.942
1778.5	2.928	2.928

LTE band 66 , 3MHz Bandwidth,LOW,QPSK (-26dBc BW)

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