



TEST REPORT

REPORT NUMBER: 24B02W000021-001-V1

ON

Type of Equipment: LTE Module
Type of Designation: L511A
Brand Name: LYNQ
Manufacturer: Shanghai MobileTek Communication Ltd.
FCC ID: 2AK9DL511A

ACCORDING TO

FCC Part 2
FCC Part 22
FCC Part 24
FCC part 27
ANSI C63.26-2015

Chongqing Academy of Information and Communications Technology

Month date, year

Jun, 11, 2024

Signature



Zhou Jin

Director

Note:

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



Report No.: 24B02W000021-001-V1

Revision Version

Report Number	Revision	Date
24B02W000021-001	00	2024-06-06
24B02W000021-001-V1	01	2024-06-11
Note: V1 version has changed the software version.		

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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:	2024-05-08
Testing End Date:	2024-05-11

1.4. Signature



2024-06-11

Dong Junxin
(Prepared this test report)

Date



2024-06-11

Wang Lili
(Reviewed this test report)

Date



2024-06-11

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

Date

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2. Client Information

2.1. Applicant Information

Company name:	Shanghai MobileTek Communication Ltd.
Address /Post:	Free Trade Zone No. 33, No. 17 building 6H3 Xiya Road China (Shanghai)
City:	Shanghai
Country:	China
Telephone:	15821966417
Fax:	--
Email:	qh.zhang@mobiletek.cn
Contact Person:	Qinghua Zhang

2.2. Manufacturer Information

Company Name:	Shanghai MobileTek Communication Ltd.
Address /Post:	Free Trade Zone No. 33, No. 17 building 6H3 Xiya Road China (Shanghai)
City:	Shanghai
Country:	China
Telephone:	15821966417
Fax:	--
Email:	qh.zhang@mobiletek.cn
Contact Person:	Qinghua Zhang

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

3.1. About EUT

EUT Description	LTE Module
Model name	L511A
Brand name	LYNQ
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
Antenna	5J002B-LTE Antenna; Gain:2.3dBi

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.

3.2. Internal Identification of EUT used during the test

EUT ID	SN or IMEI	HW Version	SW Version	Date of receipt
24B02W000021#S2	IMEI:865357069912010	L511A_V1	L511Av03.01 b02.00	2024-05-07
24B02W000021#S3	IMEI:865357069912077	L511A_V1	L511Av03.01 b02.00	2024-05-07

*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	dB*	Note
AE1	--	--	--

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

dB*: is provided customer.

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 2	Frequency Allocations and Radio Treaty Matters; General Rules and Regulations	--
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	201137/026	--	--	R&S	2024-06-28
2	DC Power Supply	62015L-60-6	L02000001587	--	--	Chroma	2024-06-28
3	Universal Radio Communication Tester	CMW500	152395	--	--	R&S	2024-06-28
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	2024-06-28
2	Test Receiver	ESU40	100350	01	4.43 SP3	R&S	2024-06-28
3	Ultra-wideband Log Periodic Antenna	VULB 9163	9163-586	--	--	Schwarzbeck	2024-10-28
4	Double Ridged Guide Antenna	9120D	9120D-1103	--	--	Schwarzbeck	2026-05-13
5	Ultra-wideband Log Periodic Antenna	VULB 9163	00995	--	--	Schwarzbeck	2025-09-11
6	Double Ridged Guide Antenna	9120D	9120D-1083	--	--	Schwarzbeck	2024-12-14
7	High gain horn antenna	DATE 1152	LM7127			ETS	2024-09-06
8	Fully-Anechoic Chamber	FAC5	--	--	--	TDK	2024-09-22
9	Generator	SMU 200A	104517	--	--	R&S	2024-06-28
10	Amplifier1	SCU-08F1	8320027	--	--	R&S	--
11	Amplifier2	SCU-18F	180093	--	--	R&S	--

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5.3. Climate Chamber

No.	Name	Type	SN	Manufacture	Cal.Due Date
1	Climate chamber	VT4002	518602722 023003	KQSN	2024-06-28

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

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
2.1046,22.913,24.232,27.50	Conducted RF Power Output	Pass
2.1046,22.913,24.232,27.50	ERP and EIRP	Pass
2.1049	Occupied Bandwidth	N/A ^{Note 1}
2.1051,24.238,2.1053,22.917, 27.53	Conducted spurious emissions	Pass ^{Note 2}
2.1051,24.238,2.1053,22.917, 27.53	Radiated Spurious Emission	Pass ^{Note 2}
2.1051,24.238,2.1053,22.917, 27.53	Band Edge	Pass ^{Note 2}
2.1055, 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 2.1046,22.913,24.232,27.50
DUT Serial Number:	IMEI:865357069912010
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

Note: --

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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	23.13	28.65
1.4MHz	1 RB mid	1850.7	QPSK	23.15	28.70
1.4MHz	1 RB high	1850.7	QPSK	23.22	28.74
1.4MHz	50%,low	1850.7	QPSK	23.31	26.28
1.4MHz	50% RB mid	1850.7	QPSK	23.30	28.38
1.4MHz	50%,high	1850.7	QPSK	23.32	26.29
1.4MHz	100% RB	1850.7	QPSK	22.22	28.47
1.4MHz	1 RB low	1850.7	16QAM	22.44	27.93
1.4MHz	1 RB mid	1850.7	16QAM	22.50	27.98
1.4MHz	1 RB high	1850.7	16QAM	22.46	27.99
1.4MHz	50%,low	1850.7	16QAM	22.41	26.38
1.4MHz	50% RB mid	1850.7	16QAM	22.44	28.93
1.4MHz	50%,high	1850.7	16QAM	22.48	26.44
1.4MHz	100% RB	1850.7	16QAM	21.38	28.35
1.4MHz	1 RB low	1880	QPSK	23.20	28.99
1.4MHz	1 RB mid	1880	QPSK	23.22	28.97
1.4MHz	1 RB high	1880	QPSK	23.18	28.94
1.4MHz	50%,low	1880	QPSK	23.09	26.18
1.4MHz	50% RB mid	1880	QPSK	23.13	29.01
1.4MHz	50%,high	1880	QPSK	23.18	26.26
1.4MHz	100% RB	1880	QPSK	22.29	28.08
1.4MHz	1 RB low	1880	16QAM	22.32	28.36
1.4MHz	1 RB mid	1880	16QAM	22.40	28.37
1.4MHz	1 RB high	1880	16QAM	22.35	28.35
1.4MHz	50%,low	1880	16QAM	23.14	26.22
1.4MHz	50% RB mid	1880	16QAM	22.29	28.51
1.4MHz	50%,high	1880	16QAM	23.10	26.18
1.4MHz	100% RB	1880	16QAM	21.36	27.53
1.4MHz	1 RB low	1909.3	QPSK	23.27	28.57
1.4MHz	1 RB mid	1909.3	QPSK	23.28	28.62
1.4MHz	1 RB high	1909.3	QPSK	23.25	28.59
1.4MHz	50%,low	1909.3	QPSK	23.34	26.25
1.4MHz	50% RB mid	1909.3	QPSK	23.26	28.40
1.4MHz	50%,high	1909.3	QPSK	23.41	26.31
1.4MHz	100% RB	1909.3	QPSK	22.41	28.04

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1.4MHz	1 RB low	1909.3	16QAM	22.47	27.36
1.4MHz	1 RB mid	1909.3	16QAM	22.49	27.33
1.4MHz	1 RB high	1909.3	16QAM	22.44	27.36
1.4MHz	50%,low	1909.3	16QAM	23.20	26.31
1.4MHz	50% RB mid	1909.3	16QAM	22.40	28.25
1.4MHz	50%,high	1909.3	16QAM	23.29	26.30
1.4MHz	100% RB	1909.3	16QAM	21.52	27.94
3MHz	1 RB low	1851.5	QPSK	23.10	27.74
3MHz	1 RB mid	1851.5	QPSK	23.43	28.03
3MHz	1 RB high	1851.5	QPSK	23.27	27.96
3MHz	50%,low	1851.5	QPSK	23.39	26.37
3MHz	50% RB mid	1851.5	QPSK	22.49	28.15
3MHz	50%,high	1851.5	QPSK	23.49	26.45
3MHz	100% RB	1851.5	QPSK	22.37	28.67
3MHz	1 RB low	1851.5	16QAM	22.45	27.87
3MHz	1 RB mid	1851.5	16QAM	22.71	28.11
3MHz	1 RB high	1851.5	16QAM	22.59	28.09
3MHz	50%,low	1851.5	16QAM	23.48	26.45
3MHz	50% RB mid	1851.5	16QAM	21.56	28.76
3MHz	50%,high	1851.5	16QAM	23.48	26.44
3MHz	100% RB	1851.5	16QAM	21.50	27.95
3MHz	1 RB low	1880	QPSK	23.11	28.87
3MHz	1 RB mid	1880	QPSK	23.23	28.91
3MHz	1 RB high	1880	QPSK	23.15	28.86
3MHz	50%,low	1880	QPSK	23.14	26.22
3MHz	50% RB mid	1880	QPSK	22.28	28.09
3MHz	50%,high	1880	QPSK	23.15	26.23
3MHz	100% RB	1880	QPSK	22.20	28.15
3MHz	1 RB low	1880	16QAM	22.22	28.25
3MHz	1 RB mid	1880	16QAM	22.37	28.35
3MHz	1 RB high	1880	16QAM	22.16	28.19
3MHz	50%,low	1880	16QAM	23.13	26.21
3MHz	50% RB mid	1880	16QAM	21.39	28.86
3MHz	50%,high	1880	16QAM	23.12	26.20
3MHz	100% RB	1880	16QAM	21.25	28.03
3MHz	1 RB low	1908.5	QPSK	23.39	28.65
3MHz	1 RB mid	1908.5	QPSK	23.40	28.62
3MHz	1 RB high	1908.5	QPSK	23.17	28.53

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3MHz	50%,low	1908.5	QPSK	23.34	26.24
3MHz	50% RB mid	1908.5	QPSK	22.45	27.76
3MHz	50%,high	1908.5	QPSK	23.33	26.23
3MHz	100% RB	1908.5	QPSK	22.37	28.34
3MHz	1 RB low	1908.5	16QAM	22.44	27.36
3MHz	1 RB mid	1908.5	16QAM	22.54	27.40
3MHz	1 RB high	1908.5	16QAM	22.31	27.24
3MHz	50%,low	1908.5	16QAM	23.34	26.24
3MHz	50% RB mid	1908.5	16QAM	21.44	28.03
3MHz	50%,high	1908.5	16QAM	23.33	26.24
3MHz	100% RB	1908.5	16QAM	21.47	27.88
5MHz	1 RB low	1852.5	QPSK	23.51	28.28
5MHz	1 RB mid	1852.5	QPSK	23.66	28.50
5MHz	1 RB high	1852.5	QPSK	23.53	28.54
5MHz	50%,low	1852.5	QPSK	22.49	28.43
5MHz	50% RB mid	1852.5	QPSK	22.53	28.51
5MHz	50%,high	1852.5	QPSK	22.50	28.54
5MHz	100% RB	1852.5	QPSK	22.49	28.44
5MHz	1 RB low	1852.5	16QAM	22.38	27.70
5MHz	1 RB mid	1852.5	16QAM	22.49	27.88
5MHz	1 RB high	1852.5	16QAM	22.43	27.91
5MHz	50%,low	1852.5	16QAM	21.52	28.45
5MHz	50% RB mid	1852.5	16QAM	21.59	28.45
5MHz	50%,high	1852.5	16QAM	21.57	28.58
5MHz	100% RB	1852.5	16QAM	21.51	28.40
5MHz	1 RB low	1880	QPSK	23.41	29.00
5MHz	1 RB mid	1880	QPSK	23.34	28.90
5MHz	1 RB high	1880	QPSK	23.17	28.78
5MHz	50%,low	1880	QPSK	22.29	28.74
5MHz	50% RB mid	1880	QPSK	22.27	28.65
5MHz	50%,high	1880	QPSK	22.25	28.65
5MHz	100% RB	1880	QPSK	22.23	28.95
5MHz	1 RB low	1880	16QAM	22.40	28.58
5MHz	1 RB mid	1880	16QAM	22.40	28.53
5MHz	1 RB high	1880	16QAM	22.27	28.42
5MHz	50%,low	1880	16QAM	21.39	28.23
5MHz	50% RB mid	1880	16QAM	21.37	28.18
5MHz	50%,high	1880	16QAM	21.35	28.16

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5MHz	100% RB	1880	16QAM	21.44	28.64
5MHz	1 RB low	1907.5	QPSK	23.42	28.16
5MHz	1 RB mid	1907.5	QPSK	23.48	28.19
5MHz	1 RB high	1907.5	QPSK	23.31	28.08
5MHz	50%,low	1907.5	QPSK	22.56	28.71
5MHz	50% RB mid	1907.5	QPSK	22.50	28.53
5MHz	50%,high	1907.5	QPSK	22.49	28.52
5MHz	100% RB	1907.5	QPSK	22.45	28.24
5MHz	1 RB low	1907.5	16QAM	22.77	28.01
5MHz	1 RB mid	1907.5	16QAM	22.80	28.02
5MHz	1 RB high	1907.5	16QAM	22.62	27.91
5MHz	50%,low	1907.5	16QAM	21.66	28.23
5MHz	50% RB mid	1907.5	16QAM	21.63	28.09
5MHz	50%,high	1907.5	16QAM	21.61	28.08
5MHz	100% RB	1907.5	16QAM	21.59	28.26
10MHz	1 RB low	1855	QPSK	23.45	27.98
10MHz	1 RB mid	1855	QPSK	23.40	28.12
10MHz	1 RB high	1855	QPSK	23.24	28.10
10MHz	50%,low	1855	QPSK	22.49	28.32
10MHz	50% RB mid	1855	QPSK	22.45	28.38
10MHz	50%,high	1855	QPSK	22.39	28.50
10MHz	100% RB	1855	QPSK	22.44	29.17
10MHz	1 RB low	1880	QPSK	23.41	29.02
10MHz	1 RB mid	1880	QPSK	23.44	29.00
10MHz	1 RB high	1880	QPSK	23.33	28.84
10MHz	50%,low	1880	QPSK	22.42	28.72
10MHz	50% RB mid	1880	QPSK	22.37	28.55
10MHz	50%,high	1880	QPSK	22.34	28.61
10MHz	100% RB	1880	QPSK	22.35	28.75
10MHz	1 RB low	1905	QPSK	23.42	28.81
10MHz	1 RB mid	1905	QPSK	23.43	28.62
10MHz	1 RB high	1905	QPSK	23.26	28.56
10MHz	50%,low	1905	QPSK	22.41	28.35
10MHz	50% RB mid	1905	QPSK	22.44	28.20
10MHz	50%,high	1905	QPSK	22.47	28.26
10MHz	100% RB	1905	QPSK	22.45	28.87
15MHz	1 RB low	1857.5	QPSK	23.46	28.04
15MHz	1 RB mid	1857.5	QPSK	23.41	28.23

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15MHz	1 RB high	1857.5	QPSK	23.29	28.16
15MHz	50%,low	1857.5	QPSK	22.62	28.83
15MHz	50% RB mid	1857.5	QPSK	22.55	28.81
15MHz	50%,high	1857.5	QPSK	22.50	28.86
15MHz	100% RB	1857.5	QPSK	22.56	29.15
15MHz	1 RB low	1880	QPSK	23.58	29.16
15MHz	1 RB mid	1880	QPSK	23.42	28.98
15MHz	1 RB high	1880	QPSK	23.50	28.89
15MHz	50%,low	1880	QPSK	22.61	29.09
15MHz	50% RB mid	1880	QPSK	22.55	28.89
15MHz	50%,high	1880	QPSK	22.55	28.99
15MHz	100% RB	1880	QPSK	22.55	28.87
15MHz	1 RB low	1902.5	QPSK	23.56	28.97
15MHz	1 RB mid	1902.5	QPSK	23.51	28.60
15MHz	1 RB high	1902.5	QPSK	23.39	28.55
15MHz	50%,low	1902.5	QPSK	22.54	28.91
15MHz	50% RB mid	1902.5	QPSK	22.55	28.67
15MHz	50%,high	1902.5	QPSK	22.56	28.72
15MHz	100% RB	1902.5	QPSK	22.57	29.10
20MHz	1 RB low	1860	QPSK	23.63	28.81
20MHz	1 RB mid	1860	QPSK	23.52	29.15
20MHz	1 RB high	1860	QPSK	23.54	29.06
20MHz	50%,low	1860	QPSK	22.61	29.00
20MHz	50% RB mid	1860	QPSK	22.56	29.09
20MHz	50%,high	1860	QPSK	22.57	29.11
20MHz	100% RB	1860	QPSK	22.58	29.00
20MHz	1 RB low	1880	QPSK	23.45	28.89
20MHz	1 RB mid	1880	QPSK	23.51	28.88
20MHz	1 RB high	1880	QPSK	23.52	28.73
20MHz	50%,low	1880	QPSK	22.65	28.91
20MHz	50% RB mid	1880	QPSK	22.56	28.81
20MHz	50%,high	1880	QPSK	22.59	28.77
20MHz	100% RB	1880	QPSK	22.61	29.21
20MHz	1 RB low	1900	QPSK	23.67	28.62
20MHz	1 RB mid	1900	QPSK	23.60	28.40
20MHz	1 RB high	1900	QPSK	23.39	28.19
20MHz	50%,low	1900	QPSK	22.62	29.05
20MHz	50% RB mid	1900	QPSK	22.62	28.80

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20MHz	50%,high	1900	QPSK	22.60	28.88
20MHz	100% RB	1900	QPSK	22.62	28.92

LTE band 4

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Avg Power (dBm)	Peak Power (dBm)
1.4MHz	1 RB low	1710.7	QPSK	22.97	29.00
1.4MHz	1 RB mid	1710.7	QPSK	22.94	29.01
1.4MHz	1 RB high	1710.7	QPSK	23.02	29.05
1.4MHz	50%,low	1710.7	QPSK	23.01	26.03
1.4MHz	50% RB mid	1710.7	QPSK	22.99	28.51
1.4MHz	50%,high	1710.7	QPSK	23.04	26.05
1.4MHz	100% RB	1710.7	QPSK	22.02	28.50
1.4MHz	1 RB low	1710.7	16QAM	22.16	27.99
1.4MHz	1 RB mid	1710.7	16QAM	22.24	28.04
1.4MHz	1 RB high	1710.7	16QAM	22.19	28.01
1.4MHz	50%,low	1710.7	16QAM	23.05	26.07
1.4MHz	50% RB mid	1710.7	16QAM	22.10	29.28
1.4MHz	50%,high	1710.7	16QAM	23.04	26.05
1.4MHz	100% RB	1710.7	16QAM	21.04	28.17
1.4MHz	1 RB low	1732.5	QPSK	23.22	29.01
1.4MHz	1 RB mid	1732.5	QPSK	23.25	29.00
1.4MHz	1 RB high	1732.5	QPSK	23.24	28.99
1.4MHz	50%,low	1732.5	QPSK	23.15	26.20
1.4MHz	50% RB mid	1732.5	QPSK	23.17	29.05
1.4MHz	50%,high	1732.5	QPSK	23.12	26.16
1.4MHz	100% RB	1732.5	QPSK	22.27	28.04
1.4MHz	1 RB low	1732.5	16QAM	22.29	28.33
1.4MHz	1 RB mid	1732.5	16QAM	22.41	28.38
1.4MHz	1 RB high	1732.5	16QAM	22.36	28.37
1.4MHz	50%,low	1732.5	16QAM	23.14	26.18
1.4MHz	50% RB mid	1732.5	16QAM	22.32	28.54
1.4MHz	50%,high	1732.5	16QAM	23.12	26.17
1.4MHz	100% RB	1732.5	16QAM	21.41	27.55
1.4MHz	1 RB low	1754.3	QPSK	22.91	28.92
1.4MHz	1 RB mid	1754.3	QPSK	22.93	28.95
1.4MHz	1 RB high	1754.3	QPSK	22.96	28.96
1.4MHz	50%,low	1754.3	QPSK	23.02	26.02
1.4MHz	50% RB mid	1754.3	QPSK	22.93	28.68
1.4MHz	50%,high	1754.3	QPSK	23.02	26.02

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1.4MHz	100% RB	1754.3	QPSK	22.04	27.98
1.4MHz	1 RB low	1754.3	16QAM	22.11	27.31
1.4MHz	1 RB mid	1754.3	16QAM	22.21	27.36
1.4MHz	1 RB high	1754.3	16QAM	22.17	27.36
1.4MHz	50%,low	1754.3	16QAM	22.93	25.93
1.4MHz	50% RB mid	1754.3	16QAM	21.98	28.33
1.4MHz	50%,high	1754.3	16QAM	22.94	25.94
1.4MHz	100% RB	1754.3	16QAM	21.03	27.97
3MHz	1 RB low	1711.5	QPSK	22.63	27.62
3MHz	1 RB mid	1711.5	QPSK	22.85	27.81
3MHz	1 RB high	1711.5	QPSK	22.73	27.70
3MHz	50%,low	1711.5	QPSK	22.87	25.90
3MHz	50% RB mid	1711.5	QPSK	21.92	28.09
3MHz	50%,high	1711.5	QPSK	22.98	25.99
3MHz	100% RB	1711.5	QPSK	21.92	28.28
3MHz	1 RB low	1711.5	16QAM	22.10	27.87
3MHz	1 RB mid	1711.5	16QAM	22.27	28.02
3MHz	1 RB high	1711.5	16QAM	22.09	27.88
3MHz	50%,low	1711.5	16QAM	22.92	25.94
3MHz	50% RB mid	1711.5	16QAM	21.06	28.72
3MHz	50%,high	1711.5	16QAM	22.92	25.94
3MHz	100% RB	1711.5	16QAM	21.00	27.61
3MHz	1 RB low	1732.5	QPSK	23.10	28.92
3MHz	1 RB mid	1732.5	QPSK	23.28	29.01
3MHz	1 RB high	1732.5	QPSK	23.15	28.95
3MHz	50%,low	1732.5	QPSK	23.10	26.16
3MHz	50% RB mid	1732.5	QPSK	22.31	27.99
3MHz	50%,high	1732.5	QPSK	23.08	26.14
3MHz	100% RB	1732.5	QPSK	22.24	28.02
3MHz	1 RB low	1732.5	16QAM	22.19	28.22
3MHz	1 RB mid	1732.5	16QAM	22.42	28.42
3MHz	1 RB high	1732.5	16QAM	22.28	28.31
3MHz	50%,low	1732.5	16QAM	23.07	26.13
3MHz	50% RB mid	1732.5	16QAM	21.42	29.18
3MHz	50%,high	1732.5	16QAM	23.07	26.13
3MHz	100% RB	1732.5	16QAM	21.27	28.13
3MHz	1 RB low	1753.5	QPSK	22.83	28.86
3MHz	1 RB mid	1753.5	QPSK	23.00	28.98

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3MHz	1 RB high	1753.5	QPSK	22.84	28.90
3MHz	50%,low	1753.5	QPSK	22.94	25.94
3MHz	50% RB mid	1753.5	QPSK	22.05	27.80
3MHz	50%,high	1753.5	QPSK	22.96	25.97
3MHz	100% RB	1753.5	QPSK	21.98	28.02
3MHz	1 RB low	1753.5	16QAM	21.86	27.08
3MHz	1 RB mid	1753.5	16QAM	22.09	27.28
3MHz	1 RB high	1753.5	16QAM	21.95	27.18
3MHz	50%,low	1753.5	16QAM	22.86	25.86
3MHz	50% RB mid	1753.5	16QAM	21.02	28.01
3MHz	50%,high	1753.5	16QAM	22.86	25.87
3MHz	100% RB	1753.5	16QAM	21.05	27.61
5MHz	1 RB low	1712.5	QPSK	23.08	28.36
5MHz	1 RB mid	1712.5	QPSK	22.98	28.29
5MHz	1 RB high	1712.5	QPSK	22.92	28.25
5MHz	50%,low	1712.5	QPSK	22.02	28.42
5MHz	50% RB mid	1712.5	QPSK	22.04	28.50
5MHz	50%,high	1712.5	QPSK	21.98	28.44
5MHz	100% RB	1712.5	QPSK	21.97	28.20
5MHz	1 RB low	1712.5	16QAM	21.94	27.62
5MHz	1 RB mid	1712.5	16QAM	21.95	27.63
5MHz	1 RB high	1712.5	16QAM	21.87	27.55
5MHz	50%,low	1712.5	16QAM	21.11	28.48
5MHz	50% RB mid	1712.5	16QAM	21.14	28.49
5MHz	50%,high	1712.5	16QAM	21.12	28.54
5MHz	100% RB	1712.5	16QAM	21.11	28.03
5MHz	1 RB low	1732.5	QPSK	23.31	29.01
5MHz	1 RB mid	1732.5	QPSK	23.31	28.97
5MHz	1 RB high	1732.5	QPSK	23.33	29.02
5MHz	50%,low	1732.5	QPSK	22.34	28.66
5MHz	50% RB mid	1732.5	QPSK	22.35	28.66
5MHz	50%,high	1732.5	QPSK	22.39	28.67
5MHz	100% RB	1732.5	QPSK	22.33	28.71
5MHz	1 RB low	1732.5	16QAM	22.43	28.63
5MHz	1 RB mid	1732.5	16QAM	22.48	28.65
5MHz	1 RB high	1732.5	16QAM	22.51	28.69
5MHz	50%,low	1732.5	16QAM	21.41	28.23
5MHz	50% RB mid	1732.5	16QAM	21.44	28.30

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5MHz	50%,high	1732.5	16QAM	21.48	28.31
5MHz	100% RB	1732.5	16QAM	21.47	28.79
5MHz	1 RB low	1752.5	QPSK	23.03	28.32
5MHz	1 RB mid	1752.5	QPSK	23.10	28.38
5MHz	1 RB high	1752.5	QPSK	23.07	28.38
5MHz	50%,low	1752.5	QPSK	22.10	28.80
5MHz	50% RB mid	1752.5	QPSK	22.16	28.78
5MHz	50%,high	1752.5	QPSK	22.17	28.79
5MHz	100% RB	1752.5	QPSK	22.11	28.23
5MHz	1 RB low	1752.5	16QAM	22.44	28.13
5MHz	1 RB mid	1752.5	16QAM	22.52	28.20
5MHz	1 RB high	1752.5	16QAM	22.47	28.20
5MHz	50%,low	1752.5	16QAM	21.15	28.06
5MHz	50% RB mid	1752.5	16QAM	21.21	28.09
5MHz	50%,high	1752.5	16QAM	21.23	28.17
5MHz	100% RB	1752.5	16QAM	21.13	27.98
10MHz	1 RB low	1715	QPSK	23.02	27.94
10MHz	1 RB mid	1715	QPSK	22.90	27.81
10MHz	1 RB high	1715	QPSK	22.88	27.80
10MHz	50%,low	1715	QPSK	22.05	28.35
10MHz	50% RB mid	1715	QPSK	22.02	28.34
10MHz	50%,high	1715	QPSK	21.97	28.48
10MHz	100% RB	1715	QPSK	21.99	28.40
10MHz	1 RB low	1732.5	QPSK	23.26	29.03
10MHz	1 RB mid	1732.5	QPSK	23.40	29.08
10MHz	1 RB high	1732.5	QPSK	23.48	29.12
10MHz	50%,low	1732.5	QPSK	22.38	28.57
10MHz	50% RB mid	1732.5	QPSK	22.43	28.58
10MHz	50%,high	1732.5	QPSK	22.49	28.60
10MHz	100% RB	1732.5	QPSK	22.42	28.78
10MHz	1 RB low	1750	QPSK	23.30	29.17
10MHz	1 RB mid	1750	QPSK	23.13	29.05
10MHz	1 RB high	1750	QPSK	23.20	29.13
10MHz	50%,low	1750	QPSK	22.28	28.68
10MHz	50% RB mid	1750	QPSK	22.20	28.46
10MHz	50%,high	1750	QPSK	22.17	28.46
10MHz	100% RB	1750	QPSK	22.25	28.93
15MHz	1 RB low	1717.5	QPSK	22.92	27.91

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15MHz	1 RB mid	1717.5	QPSK	22.87	27.82
15MHz	1 RB high	1717.5	QPSK	22.92	27.81
15MHz	50%,low	1717.5	QPSK	22.04	28.71
15MHz	50% RB mid	1717.5	QPSK	22.10	28.54
15MHz	50%,high	1717.5	QPSK	22.13	28.60
15MHz	100% RB	1717.5	QPSK	22.12	28.78
15MHz	1 RB low	1732.5	QPSK	23.14	29.00
15MHz	1 RB mid	1732.5	QPSK	23.37	29.07
15MHz	1 RB high	1732.5	QPSK	23.49	29.12
15MHz	50%,low	1732.5	QPSK	22.43	28.94
15MHz	50% RB mid	1732.5	QPSK	22.56	28.85
15MHz	50%,high	1732.5	QPSK	22.65	29.07
15MHz	100% RB	1732.5	QPSK	22.53	29.00
15MHz	1 RB low	1747.5	QPSK	23.56	29.24
15MHz	1 RB mid	1747.5	QPSK	23.55	29.18
15MHz	1 RB high	1747.5	QPSK	23.42	29.16
15MHz	50%,low	1747.5	QPSK	22.59	29.27
15MHz	50% RB mid	1747.5	QPSK	22.54	29.14
15MHz	50%,high	1747.5	QPSK	22.47	29.24
15MHz	100% RB	1747.5	QPSK	22.57	29.17
20MHz	1 RB low	1720	QPSK	23.11	29.02
20MHz	1 RB mid	1720	QPSK	23.02	28.87
20MHz	1 RB high	1720	QPSK	23.14	28.97
20MHz	50%,low	1720	QPSK	22.08	28.80
20MHz	50% RB mid	1720	QPSK	22.06	28.80
20MHz	50%,high	1720	QPSK	22.16	28.89
20MHz	100% RB	1720	QPSK	22.08	28.53
20MHz	1 RB low	1732.5	QPSK	23.19	28.89
20MHz	1 RB mid	1732.5	QPSK	23.46	28.94
20MHz	1 RB high	1732.5	QPSK	23.64	29.11
20MHz	50%,low	1732.5	QPSK	22.44	28.96
20MHz	50% RB mid	1732.5	QPSK	22.60	28.88
20MHz	50%,high	1732.5	QPSK	22.69	28.98
20MHz	100% RB	1732.5	QPSK	22.58	29.35
20MHz	1 RB low	1745	QPSK	23.54	28.86
20MHz	1 RB mid	1745	QPSK	23.55	28.70
20MHz	1 RB high	1745	QPSK	23.43	28.73
20MHz	50%,low	1745	QPSK	22.64	29.47

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20MHz	50% RB mid	1745	QPSK	22.64	29.19
20MHz	50%,high	1745	QPSK	22.54	29.38
20MHz	100% RB	1745	QPSK	22.63	29.00

LTE band 5

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Avg Power (dBm)	Peak Power (dBm)
1.4MHz	1 RB low	824.7	QPSK	23.77	28.73
1.4MHz	1 RB mid	824.7	QPSK	23.84	28.82
1.4MHz	1 RB high	824.7	QPSK	23.91	28.87
1.4MHz	50%,low	824.7	QPSK	23.91	26.78
1.4MHz	50% RB mid	824.7	QPSK	23.79	28.56
1.4MHz	50%,high	824.7	QPSK	23.97	26.84
1.4MHz	100% RB	824.7	QPSK	22.93	28.95
1.4MHz	1 RB low	824.7	16QAM	23.03	28.18
1.4MHz	1 RB mid	824.7	16QAM	23.13	28.26
1.4MHz	1 RB high	824.7	16QAM	23.12	28.31
1.4MHz	50%,low	824.7	16QAM	23.97	26.84
1.4MHz	50% RB mid	824.7	16QAM	22.99	28.93
1.4MHz	50%,high	824.7	16QAM	23.96	26.82
1.4MHz	100% RB	824.7	16QAM	22.03	28.80
1.4MHz	1 RB low	836.5	QPSK	23.65	28.89
1.4MHz	1 RB mid	836.5	QPSK	23.69	28.80
1.4MHz	1 RB high	836.5	QPSK	23.64	28.76
1.4MHz	50%,low	836.5	QPSK	23.65	26.67
1.4MHz	50% RB mid	836.5	QPSK	23.64	28.97
1.4MHz	50%,high	836.5	QPSK	23.63	26.64
1.4MHz	100% RB	836.5	QPSK	22.82	28.63
1.4MHz	1 RB low	836.5	16QAM	22.88	28.52
1.4MHz	1 RB mid	836.5	16QAM	22.93	28.45
1.4MHz	1 RB high	836.5	16QAM	22.85	28.41
1.4MHz	50%,low	836.5	16QAM	23.65	26.66
1.4MHz	50% RB mid	836.5	16QAM	22.87	28.68
1.4MHz	50%,high	836.5	16QAM	23.64	26.65
1.4MHz	100% RB	836.5	16QAM	21.93	27.95
1.4MHz	1 RB low	848.3	QPSK	23.66	28.70
1.4MHz	1 RB mid	848.3	QPSK	23.64	28.74
1.4MHz	1 RB high	848.3	QPSK	23.63	28.77
1.4MHz	50%,low	848.3	QPSK	23.72	26.61
1.4MHz	50% RB mid	848.3	QPSK	23.63	28.63

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1.4MHz	50%,high	848.3	QPSK	23.79	26.67
1.4MHz	100% RB	848.3	QPSK	22.73	28.34
1.4MHz	1 RB low	848.3	16QAM	22.78	27.63
1.4MHz	1 RB mid	848.3	16QAM	22.86	27.68
1.4MHz	1 RB high	848.3	16QAM	22.81	27.71
1.4MHz	50%,low	848.3	16QAM	23.75	26.64
1.4MHz	50% RB mid	848.3	16QAM	22.76	28.47
1.4MHz	50%,high	848.3	16QAM	23.76	26.64
1.4MHz	100% RB	848.3	16QAM	21.76	28.37
3MHz	1 RB low	825.5	QPSK	23.43	27.91
3MHz	1 RB mid	825.5	QPSK	23.70	28.16
3MHz	1 RB high	825.5	QPSK	23.62	28.18
3MHz	50%,low	825.5	QPSK	23.90	26.78
3MHz	50% RB mid	825.5	QPSK	22.99	28.64
3MHz	50%,high	825.5	QPSK	23.86	26.75
3MHz	100% RB	825.5	QPSK	22.84	28.53
3MHz	1 RB low	825.5	16QAM	22.89	28.07
3MHz	1 RB mid	825.5	16QAM	23.17	28.35
3MHz	1 RB high	825.5	16QAM	23.06	28.37
3MHz	50%,low	825.5	16QAM	23.83	26.73
3MHz	50% RB mid	825.5	16QAM	21.94	28.84
3MHz	50%,high	825.5	16QAM	23.83	26.73
3MHz	100% RB	825.5	16QAM	21.85	28.36
3MHz	1 RB low	836.5	QPSK	23.60	28.92
3MHz	1 RB mid	836.5	QPSK	23.77	28.84
3MHz	1 RB high	836.5	QPSK	23.54	28.65
3MHz	50%,low	836.5	QPSK	23.59	26.61
3MHz	50% RB mid	836.5	QPSK	22.87	28.36
3MHz	50%,high	836.5	QPSK	23.58	26.60
3MHz	100% RB	836.5	QPSK	22.81	28.51
3MHz	1 RB low	836.5	16QAM	22.83	28.53
3MHz	1 RB mid	836.5	16QAM	22.96	28.50
3MHz	1 RB high	836.5	16QAM	22.77	28.31
3MHz	50%,low	836.5	16QAM	23.59	26.61
3MHz	50% RB mid	836.5	16QAM	21.95	28.96
3MHz	50%,high	836.5	16QAM	23.60	26.62
3MHz	100% RB	836.5	16QAM	21.82	28.40
3MHz	1 RB low	847.5	QPSK	23.64	28.58

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3MHz	1 RB mid	847.5	QPSK	23.75	28.74
3MHz	1 RB high	847.5	QPSK	23.59	28.77
3MHz	50%,low	847.5	QPSK	23.72	26.60
3MHz	50% RB mid	847.5	QPSK	22.80	28.15
3MHz	50%,high	847.5	QPSK	23.73	26.61
3MHz	100% RB	847.5	QPSK	22.76	28.81
3MHz	1 RB low	847.5	16QAM	22.75	27.56
3MHz	1 RB mid	847.5	16QAM	22.94	27.73
3MHz	1 RB high	847.5	16QAM	22.76	27.65
3MHz	50%,low	847.5	16QAM	23.75	26.63
3MHz	50% RB mid	847.5	16QAM	21.79	28.25
3MHz	50%,high	847.5	16QAM	23.76	26.64
3MHz	100% RB	847.5	16QAM	21.82	28.61
5MHz	1 RB low	826.5	QPSK	23.86	28.42
5MHz	1 RB mid	826.5	QPSK	23.97	28.67
5MHz	1 RB high	826.5	QPSK	24.01	28.86
5MHz	50%,low	826.5	QPSK	23.15	28.79
5MHz	50% RB mid	826.5	QPSK	23.16	28.85
5MHz	50%,high	826.5	QPSK	23.15	29.01
5MHz	100% RB	826.5	QPSK	23.12	28.98
5MHz	1 RB low	826.5	16QAM	22.96	28.04
5MHz	1 RB mid	826.5	16QAM	23.10	28.26
5MHz	1 RB high	826.5	16QAM	23.11	28.40
5MHz	50%,low	826.5	16QAM	22.12	28.74
5MHz	50% RB mid	826.5	16QAM	22.17	28.83
5MHz	50%,high	826.5	16QAM	22.19	28.99
5MHz	100% RB	826.5	16QAM	22.14	28.83
5MHz	1 RB low	836.5	QPSK	23.85	29.10
5MHz	1 RB mid	836.5	QPSK	23.83	28.83
5MHz	1 RB high	836.5	QPSK	23.67	28.57
5MHz	50%,low	836.5	QPSK	22.95	28.99
5MHz	50% RB mid	836.5	QPSK	22.92	28.80
5MHz	50%,high	836.5	QPSK	22.89	28.76
5MHz	100% RB	836.5	QPSK	22.92	28.93
5MHz	1 RB low	836.5	16QAM	23.11	28.90
5MHz	1 RB mid	836.5	16QAM	23.04	28.66
5MHz	1 RB high	836.5	16QAM	22.96	28.43
5MHz	50%,low	836.5	16QAM	22.00	28.61

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5MHz	50% RB mid	836.5	16QAM	21.98	28.45
5MHz	50%,high	836.5	16QAM	21.96	28.44
5MHz	100% RB	836.5	16QAM	22.03	29.12
5MHz	1 RB low	846.5	QPSK	23.86	28.21
5MHz	1 RB mid	846.5	QPSK	23.85	28.31
5MHz	1 RB high	846.5	QPSK	23.79	28.43
5MHz	50%,low	846.5	QPSK	22.89	28.84
5MHz	50% RB mid	846.5	QPSK	22.89	28.76
5MHz	50%,high	846.5	QPSK	22.89	28.93
5MHz	100% RB	846.5	QPSK	22.88	28.66
5MHz	1 RB low	846.5	16QAM	23.16	28.08
5MHz	1 RB mid	846.5	16QAM	23.18	28.19
5MHz	1 RB high	846.5	16QAM	23.13	28.30
5MHz	50%,low	846.5	16QAM	21.99	28.36
5MHz	50% RB mid	846.5	16QAM	21.99	28.29
5MHz	50%,high	846.5	16QAM	21.99	28.38
5MHz	100% RB	846.5	16QAM	21.92	28.32
10MHz	1 RB low	829	QPSK	23.85	28.75
10MHz	1 RB mid	829	QPSK	24.08	29.30
10MHz	1 RB high	829	QPSK	24.03	29.27
10MHz	50%,low	829	QPSK	23.09	28.85
10MHz	50% RB mid	829	QPSK	23.13	28.96
10MHz	50%,high	829	QPSK	23.09	29.16
10MHz	100% RB	829	QPSK	23.10	29.40
10MHz	1 RB low	836.5	QPSK	24.01	29.48
10MHz	1 RB mid	836.5	QPSK	23.81	29.02
10MHz	1 RB high	836.5	QPSK	23.52	28.43
10MHz	50%,low	836.5	QPSK	23.05	29.08
10MHz	50% RB mid	836.5	QPSK	22.98	28.78
10MHz	50%,high	836.5	QPSK	22.89	28.53
10MHz	100% RB	836.5	QPSK	22.97	29.33
10MHz	1 RB low	844	QPSK	23.91	28.10
10MHz	1 RB mid	844	QPSK	23.81	27.91
10MHz	1 RB high	844	QPSK	23.78	28.11
10MHz	50%,low	844	QPSK	23.00	28.45
10MHz	50% RB mid	844	QPSK	22.95	28.25
10MHz	50%,high	844	QPSK	22.93	28.40
10MHz	100% RB	844	QPSK	22.97	29.25

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LTE band 12

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Avg Power (dBm)	Peak Power (dBm)
1.4MHz	1 RB low	699.7	QPSK	24.22	29.40
1.4MHz	1 RB mid	699.7	QPSK	24.25	29.29
1.4MHz	1 RB high	699.7	QPSK	24.25	29.27
1.4MHz	50%,low	699.7	QPSK	24.41	27.35
1.4MHz	50% RB mid	699.7	QPSK	24.40	29.46
1.4MHz	50%,high	699.7	QPSK	24.37	27.30
1.4MHz	100% RB	699.7	QPSK	23.55	28.97
1.4MHz	1 RB low	699.7	16QAM	23.48	28.99
1.4MHz	1 RB mid	699.7	16QAM	23.66	28.99
1.4MHz	1 RB high	699.7	16QAM	23.54	28.92
1.4MHz	50%,low	699.7	16QAM	24.41	27.35
1.4MHz	50% RB mid	699.7	16QAM	23.56	29.16
1.4MHz	50%,high	699.7	16QAM	24.33	27.26
1.4MHz	100% RB	699.7	16QAM	22.61	28.41
1.4MHz	1 RB low	707.5	QPSK	23.43	29.12
1.4MHz	1 RB mid	707.5	QPSK	23.53	29.18
1.4MHz	1 RB high	707.5	QPSK	23.62	29.20
1.4MHz	50%,low	707.5	QPSK	23.60	26.51
1.4MHz	50% RB mid	707.5	QPSK	23.48	28.87
1.4MHz	50%,high	707.5	QPSK	23.59	26.49
1.4MHz	100% RB	707.5	QPSK	22.58	28.35
1.4MHz	1 RB low	707.5	16QAM	22.56	27.56
1.4MHz	1 RB mid	707.5	16QAM	22.78	27.73
1.4MHz	1 RB high	707.5	16QAM	22.77	27.74
1.4MHz	50%,low	707.5	16QAM	23.62	26.51
1.4MHz	50% RB mid	707.5	16QAM	22.63	28.71
1.4MHz	50%,high	707.5	16QAM	23.60	26.50
1.4MHz	100% RB	707.5	16QAM	21.60	28.15
1.4MHz	1 RB low	715.3	QPSK	24.13	28.81
1.4MHz	1 RB mid	715.3	QPSK	23.99	28.65
1.4MHz	1 RB high	715.3	QPSK	23.94	28.55
1.4MHz	50%,low	715.3	QPSK	24.12	26.87
1.4MHz	50% RB mid	715.3	QPSK	24.06	28.51
1.4MHz	50%,high	715.3	QPSK	24.10	26.85
1.4MHz	100% RB	715.3	QPSK	23.09	28.82
1.4MHz	1 RB low	715.3	16QAM	23.25	28.21

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1.4MHz	1 RB mid	715.3	16QAM	23.27	28.17
1.4MHz	1 RB high	715.3	16QAM	23.16	28.07
1.4MHz	50%,low	715.3	16QAM	24.15	26.90
1.4MHz	50% RB mid	715.3	16QAM	23.20	28.90
1.4MHz	50%,high	715.3	16QAM	24.14	26.89
1.4MHz	100% RB	715.3	16QAM	22.16	28.82
3MHz	1 RB low	700.5	QPSK	24.16	28.63
3MHz	1 RB mid	700.5	QPSK	24.59	28.88
3MHz	1 RB high	700.5	QPSK	24.21	28.66
3MHz	50%,low	700.5	QPSK	24.50	27.35
3MHz	50% RB mid	700.5	QPSK	23.53	29.16
3MHz	50%,high	700.5	QPSK	24.48	27.33
3MHz	100% RB	700.5	QPSK	23.42	29.33
3MHz	1 RB low	700.5	16QAM	23.48	28.69
3MHz	1 RB mid	700.5	16QAM	23.91	28.97
3MHz	1 RB high	700.5	16QAM	23.65	28.83
3MHz	50%,low	700.5	16QAM	24.44	27.30
3MHz	50% RB mid	700.5	16QAM	22.76	29.53
3MHz	50%,high	700.5	16QAM	24.46	27.31
3MHz	100% RB	700.5	16QAM	22.68	29.00
3MHz	1 RB low	707.5	QPSK	23.13	28.78
3MHz	1 RB mid	707.5	QPSK	23.54	28.98
3MHz	1 RB high	707.5	QPSK	23.49	28.92
3MHz	50%,low	707.5	QPSK	23.26	26.27
3MHz	50% RB mid	707.5	QPSK	22.51	28.16
3MHz	50%,high	707.5	QPSK	23.26	26.27
3MHz	100% RB	707.5	QPSK	22.41	28.10
3MHz	1 RB low	707.5	16QAM	22.19	28.12
3MHz	1 RB mid	707.5	16QAM	22.66	28.44
3MHz	1 RB high	707.5	16QAM	22.56	28.34
3MHz	50%,low	707.5	16QAM	23.22	26.23
3MHz	50% RB mid	707.5	16QAM	21.60	29.11
3MHz	50%,high	707.5	16QAM	23.27	26.27
3MHz	100% RB	707.5	16QAM	21.42	28.30
3MHz	1 RB low	714.5	QPSK	24.17	29.02
3MHz	1 RB mid	714.5	QPSK	24.09	28.85
3MHz	1 RB high	714.5	QPSK	23.78	28.54
3MHz	50%,low	714.5	QPSK	24.18	26.95

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3MHz	50% RB mid	714.5	QPSK	23.17	28.12
3MHz	50%,high	714.5	QPSK	24.20	26.97
3MHz	100% RB	714.5	QPSK	23.19	28.72
3MHz	1 RB low	714.5	16QAM	23.32	27.97
3MHz	1 RB mid	714.5	16QAM	23.25	27.84
3MHz	1 RB high	714.5	16QAM	22.95	27.56
3MHz	50%,low	714.5	16QAM	24.11	26.89
3MHz	50% RB mid	714.5	16QAM	22.18	28.41
3MHz	50%,high	714.5	16QAM	24.11	26.90
3MHz	100% RB	714.5	16QAM	22.23	28.35
5MHz	1 RB low	701.5	QPSK	24.38	29.06
5MHz	1 RB mid	701.5	QPSK	24.53	29.14
5MHz	1 RB high	701.5	QPSK	24.06	28.92
5MHz	50%,low	701.5	QPSK	23.60	29.24
5MHz	50% RB mid	701.5	QPSK	23.57	29.17
5MHz	50%,high	701.5	QPSK	23.38	29.17
5MHz	100% RB	701.5	QPSK	23.57	29.35
5MHz	1 RB low	701.5	16QAM	23.55	28.65
5MHz	1 RB mid	701.5	16QAM	23.55	28.65
5MHz	1 RB high	701.5	16QAM	23.14	28.40
5MHz	50%,low	701.5	16QAM	22.76	29.36
5MHz	50% RB mid	701.5	16QAM	22.77	29.26
5MHz	50%,high	701.5	16QAM	22.60	29.31
5MHz	100% RB	701.5	16QAM	22.67	29.08
5MHz	1 RB low	707.5	QPSK	23.51	29.02
5MHz	1 RB mid	707.5	QPSK	23.65	29.00
5MHz	1 RB high	707.5	QPSK	23.83	28.98
5MHz	50%,low	707.5	QPSK	22.45	28.72
5MHz	50% RB mid	707.5	QPSK	22.55	28.70
5MHz	50%,high	707.5	QPSK	22.76	28.88
5MHz	100% RB	707.5	QPSK	22.61	28.88
5MHz	1 RB low	707.5	16QAM	22.61	28.63
5MHz	1 RB mid	707.5	16QAM	22.80	28.68
5MHz	1 RB high	707.5	16QAM	23.14	28.78
5MHz	50%,low	707.5	16QAM	21.50	28.17
5MHz	50% RB mid	707.5	16QAM	21.62	28.21
5MHz	50%,high	707.5	16QAM	21.80	28.42
5MHz	100% RB	707.5	16QAM	21.71	28.79

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5MHz	1 RB low	713.5	QPSK	24.25	28.68
5MHz	1 RB mid	713.5	QPSK	24.36	28.66
5MHz	1 RB high	713.5	QPSK	24.04	28.28
5MHz	50%,low	713.5	QPSK	23.45	29.30
5MHz	50% RB mid	713.5	QPSK	23.38	29.00
5MHz	50%,high	713.5	QPSK	23.27	29.01
5MHz	100% RB	713.5	QPSK	23.29	28.86
5MHz	1 RB low	713.5	16QAM	23.47	28.47
5MHz	1 RB mid	713.5	16QAM	23.65	28.49
5MHz	1 RB high	713.5	16QAM	23.33	28.16
5MHz	50%,low	713.5	16QAM	22.48	28.62
5MHz	50% RB mid	713.5	16QAM	22.52	28.54
5MHz	50%,high	713.5	16QAM	22.43	28.58
5MHz	100% RB	713.5	16QAM	22.41	28.84
10MHz	1 RB low	704	QPSK	24.30	28.70
10MHz	1 RB mid	704	QPSK	23.70	28.29
10MHz	1 RB high	704	QPSK	23.75	28.30
10MHz	50%,low	704	QPSK	23.30	29.02
10MHz	50% RB mid	704	QPSK	22.89	28.82
10MHz	50%,high	704	QPSK	22.75	28.91
10MHz	100% RB	704	QPSK	23.05	29.80
10MHz	1 RB low	707.5	QPSK	24.10	29.35
10MHz	1 RB mid	707.5	QPSK	23.68	29.07
10MHz	1 RB high	707.5	QPSK	24.13	28.89
10MHz	50%,low	707.5	QPSK	22.69	28.86
10MHz	50% RB mid	707.5	QPSK	22.72	28.73
10MHz	50%,high	707.5	QPSK	23.08	28.76
10MHz	100% RB	707.5	QPSK	23.00	29.48
10MHz	1 RB low	711	QPSK	23.54	29.22
10MHz	1 RB mid	711	QPSK	24.21	29.09
10MHz	1 RB high	711	QPSK	24.11	28.70
10MHz	50%,low	711	QPSK	23.09	28.92
10MHz	50% RB mid	711	QPSK	23.30	28.80
10MHz	50%,high	711	QPSK	23.38	28.84
10MHz	100% RB	711	QPSK	23.25	29.03

LTE band 13

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Avg Power (dBm)	Peak Power (dBm)
5MHz	1 RB low	779.5	QPSK	22.70	27.25

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5MHz	1 RB mid	779.5	QPSK	22.75	27.65
5MHz	1 RB high	779.5	QPSK	22.77	27.66
5MHz	50%,low	779.5	QPSK	22.83	28.30
5MHz	50% RB mid	779.5	QPSK	22.78	28.37
5MHz	50%,high	779.5	QPSK	22.87	28.55
5MHz	100% RB	779.5	QPSK	22.93	29.01
5MHz	1 RB low	779.5	16QAM	22.84	27.43
5MHz	1 RB mid	779.5	16QAM	22.81	27.87
5MHz	1 RB high	779.5	16QAM	22.87	27.88
5MHz	50%,low	779.5	16QAM	22.92	28.82
5MHz	50% RB mid	779.5	16QAM	22.91	28.93
5MHz	50%,high	779.5	16QAM	22.92	29.15
5MHz	100% RB	779.5	16QAM	22.85	28.94
5MHz	1 RB low	782	QPSK	23.18	28.35
5MHz	1 RB mid	782	QPSK	23.04	28.19
5MHz	1 RB high	782	QPSK	22.97	28.24
5MHz	50%,low	782	QPSK	23.10	28.75
5MHz	50% RB mid	782	QPSK	23.04	28.55
5MHz	50%,high	782	QPSK	22.96	28.58
5MHz	100% RB	782	QPSK	23.01	28.91
5MHz	1 RB low	782	16QAM	22.64	21.90
5MHz	1 RB mid	782	16QAM	23.04	28.41
5MHz	1 RB high	782	16QAM	22.96	28.46
5MHz	50%,low	782	16QAM	23.02	28.95
5MHz	50% RB mid	782	16QAM	23.01	28.77
5MHz	50%,high	782	16QAM	22.98	28.84
5MHz	100% RB	782	16QAM	23.06	29.57
5MHz	1 RB low	784.5	QPSK	23.10	27.90
5MHz	1 RB mid	784.5	QPSK	23.11	28.00
5MHz	1 RB high	784.5	QPSK	23.04	27.94
5MHz	50%,low	784.5	QPSK	23.00	28.88
5MHz	50% RB mid	784.5	QPSK	22.99	28.80
5MHz	50%,high	784.5	QPSK	22.97	28.88
5MHz	100% RB	784.5	QPSK	23.02	28.66
5MHz	1 RB low	784.5	16QAM	22.69	24.40
5MHz	1 RB mid	784.5	16QAM	22.77	27.99
5MHz	1 RB high	784.5	16QAM	22.58	28.08
5MHz	50%,low	784.5	16QAM	23.08	28.99

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5MHz	50% RB mid	784.5	16QAM	23.08	28.96
5MHz	50%,high	784.5	16QAM	23.05	29.06
5MHz	100% RB	784.5	16QAM	23.00	29.15
10MHz	1 RB low	782	QPSK	23.23	27.35
10MHz	1 RB mid	782	QPSK	22.95	27.39
10MHz	1 RB high	782	QPSK	23.01	27.52
10MHz	50%,low	782	QPSK	23.11	28.50
10MHz	50% RB mid	782	QPSK	23.14	28.60
10MHz	50%,high	782	QPSK	23.04	28.70
10MHz	100% RB	782	QPSK	23.22	29.14

LTE band 66

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Avg Power (dBm)	Peak Power (dBm)
1.4MHz	1 RB low	1710.7	QPSK	23.21	29.23
1.4MHz	1 RB mid	1710.7	QPSK	23.10	29.15
1.4MHz	1 RB high	1710.7	QPSK	23.05	29.10
1.4MHz	50%,low	1710.7	QPSK	23.13	26.14
1.4MHz	50% RB mid	1710.7	QPSK	23.00	28.55
1.4MHz	50%,high	1710.7	QPSK	23.15	26.17
1.4MHz	100% RB	1710.7	QPSK	22.11	28.63
1.4MHz	1 RB low	1710.7	16QAM	22.28	28.10
1.4MHz	1 RB mid	1710.7	16QAM	22.33	28.13
1.4MHz	1 RB high	1710.7	16QAM	22.28	28.10
1.4MHz	50%,low	1710.7	16QAM	23.14	26.16
1.4MHz	50% RB mid	1710.7	16QAM	22.20	29.37
1.4MHz	50%,high	1710.7	16QAM	23.10	26.12
1.4MHz	100% RB	1710.7	16QAM	21.17	28.34
1.4MHz	1 RB low	1745	QPSK	23.53	29.18
1.4MHz	1 RB mid	1745	QPSK	23.49	29.12
1.4MHz	1 RB high	1745	QPSK	23.49	29.13
1.4MHz	50%,low	1745	QPSK	23.45	26.50
1.4MHz	50% RB mid	1745	QPSK	23.47	29.24
1.4MHz	50%,high	1745	QPSK	23.43	26.48
1.4MHz	100% RB	1745	QPSK	22.48	28.23
1.4MHz	1 RB low	1745	16QAM	22.54	28.53
1.4MHz	1 RB mid	1745	16QAM	22.60	28.53
1.4MHz	1 RB high	1745	16QAM	22.55	28.52
1.4MHz	50%,low	1745	16QAM	23.47	26.51
1.4MHz	50% RB mid	1745	16QAM	22.54	28.71

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1.4MHz	50%,high	1745	16QAM	23.46	26.51
1.4MHz	100% RB	1745	16QAM	21.65	27.79
1.4MHz	1 RB low	1779.3	QPSK	23.22	29.08
1.4MHz	1 RB mid	1779.3	QPSK	23.13	28.99
1.4MHz	1 RB high	1779.3	QPSK	23.23	29.02
1.4MHz	50%,low	1779.3	QPSK	23.31	26.26
1.4MHz	50% RB mid	1779.3	QPSK	23.20	28.77
1.4MHz	50%,high	1779.3	QPSK	23.29	26.24
1.4MHz	100% RB	1779.3	QPSK	22.20	28.05
1.4MHz	1 RB low	1779.3	16QAM	22.32	27.43
1.4MHz	1 RB mid	1779.3	16QAM	22.34	27.40
1.4MHz	1 RB high	1779.3	16QAM	22.27	27.38
1.4MHz	50%,low	1779.3	16QAM	23.31	26.27
1.4MHz	50% RB mid	1779.3	16QAM	22.25	28.47
1.4MHz	50%,high	1779.3	16QAM	23.30	26.25
1.4MHz	100% RB	1779.3	16QAM	21.31	28.12
3MHz	1 RB low	1711.5	QPSK	22.80	27.77
3MHz	1 RB mid	1711.5	QPSK	22.94	27.90
3MHz	1 RB high	1711.5	QPSK	22.80	27.77
3MHz	50%,low	1711.5	QPSK	22.95	25.97
3MHz	50% RB mid	1711.5	QPSK	22.14	28.31
3MHz	50%,high	1711.5	QPSK	23.03	26.06
3MHz	100% RB	1711.5	QPSK	22.01	28.30
3MHz	1 RB low	1711.5	16QAM	22.15	27.93
3MHz	1 RB mid	1711.5	16QAM	22.37	28.11
3MHz	1 RB high	1711.5	16QAM	22.16	27.96
3MHz	50%,low	1711.5	16QAM	22.99	26.01
3MHz	50% RB mid	1711.5	16QAM	21.18	28.84
3MHz	50%,high	1711.5	16QAM	22.99	26.01
3MHz	100% RB	1711.5	16QAM	21.10	27.71
3MHz	1 RB low	1745	QPSK	23.36	29.06
3MHz	1 RB mid	1745	QPSK	23.49	29.11
3MHz	1 RB high	1745	QPSK	23.35	29.06
3MHz	50%,low	1745	QPSK	23.32	26.39
3MHz	50% RB mid	1745	QPSK	22.43	28.10
3MHz	50%,high	1745	QPSK	23.32	26.38
3MHz	100% RB	1745	QPSK	22.38	28.19
3MHz	1 RB low	1745	16QAM	22.37	28.37

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3MHz	1 RB mid	1745	16QAM	22.54	28.50
3MHz	1 RB high	1745	16QAM	22.39	28.40
3MHz	50%,low	1745	16QAM	23.33	26.40
3MHz	50% RB mid	1745	16QAM	21.58	29.18
3MHz	50%,high	1745	16QAM	23.34	26.40
3MHz	100% RB	1745	16QAM	21.43	28.17
3MHz	1 RB low	1778.5	QPSK	23.09	29.02
3MHz	1 RB mid	1778.5	QPSK	23.23	29.08
3MHz	1 RB high	1778.5	QPSK	23.12	28.95
3MHz	50%,low	1778.5	QPSK	23.21	26.16
3MHz	50% RB mid	1778.5	QPSK	22.25	27.80
3MHz	50%,high	1778.5	QPSK	23.21	26.17
3MHz	100% RB	1778.5	QPSK	22.18	28.24
3MHz	1 RB low	1778.5	16QAM	22.15	27.30
3MHz	1 RB mid	1778.5	16QAM	22.38	27.48
3MHz	1 RB high	1778.5	16QAM	22.19	27.30
3MHz	50%,low	1778.5	16QAM	23.21	26.17
3MHz	50% RB mid	1778.5	16QAM	21.30	28.24
3MHz	50%,high	1778.5	16QAM	23.22	26.17
3MHz	100% RB	1778.5	16QAM	21.32	27.89
5MHz	1 RB low	1712.5	QPSK	23.15	28.43
5MHz	1 RB mid	1712.5	QPSK	23.20	28.48
5MHz	1 RB high	1712.5	QPSK	23.03	28.34
5MHz	50%,low	1712.5	QPSK	22.19	28.46
5MHz	50% RB mid	1712.5	QPSK	22.19	28.50
5MHz	50%,high	1712.5	QPSK	22.15	28.46
5MHz	100% RB	1712.5	QPSK	22.17	28.81
5MHz	1 RB low	1712.5	16QAM	22.09	27.75
5MHz	1 RB mid	1712.5	16QAM	22.11	27.77
5MHz	1 RB high	1712.5	16QAM	22.04	27.69
5MHz	50%,low	1712.5	16QAM	21.29	28.65
5MHz	50% RB mid	1712.5	16QAM	21.30	28.64
5MHz	50%,high	1712.5	16QAM	21.30	28.71
5MHz	100% RB	1712.5	16QAM	21.27	28.21
5MHz	1 RB low	1745	QPSK	23.66	29.21
5MHz	1 RB mid	1745	QPSK	23.62	29.14
5MHz	1 RB high	1745	QPSK	23.54	29.14
5MHz	50%,low	1745	QPSK	22.56	28.99

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5MHz	50% RB mid	1745	QPSK	22.61	28.94
5MHz	50%,high	1745	QPSK	22.71	29.07
5MHz	100% RB	1745	QPSK	22.67	29.07
5MHz	1 RB low	1745	16QAM	22.82	28.91
5MHz	1 RB mid	1745	16QAM	22.80	28.87
5MHz	1 RB high	1745	16QAM	22.77	28.87
5MHz	50%,low	1745	16QAM	21.71	28.50
5MHz	50% RB mid	1745	16QAM	21.67	28.44
5MHz	50%,high	1745	16QAM	21.71	28.46
5MHz	100% RB	1745	16QAM	21.73	29.03
5MHz	1 RB low	1777.5	QPSK	23.26	28.51
5MHz	1 RB mid	1777.5	QPSK	23.41	28.58
5MHz	1 RB high	1777.5	QPSK	23.33	28.47
5MHz	50%,low	1777.5	QPSK	22.27	29.11
5MHz	50% RB mid	1777.5	QPSK	22.33	29.11
5MHz	50%,high	1777.5	QPSK	22.36	29.12
5MHz	100% RB	1777.5	QPSK	22.29	27.97
5MHz	1 RB low	1777.5	16QAM	22.55	28.21
5MHz	1 RB mid	1777.5	16QAM	22.66	28.26
5MHz	1 RB high	1777.5	16QAM	22.58	28.18
5MHz	50%,low	1777.5	16QAM	21.43	28.40
5MHz	50% RB mid	1777.5	16QAM	21.49	28.39
5MHz	50%,high	1777.5	16QAM	21.52	28.49
5MHz	100% RB	1777.5	16QAM	21.42	28.42
10MHz	1 RB low	1715	QPSK	23.07	28.00
10MHz	1 RB mid	1715	QPSK	23.08	27.98
10MHz	1 RB high	1715	QPSK	22.92	27.83
10MHz	50%,low	1715	QPSK	22.33	28.59
10MHz	50% RB mid	1715	QPSK	22.28	28.56
10MHz	50%,high	1715	QPSK	22.18	28.48
10MHz	100% RB	1715	QPSK	22.24	29.19
10MHz	1 RB low	1745	QPSK	23.63	29.22
10MHz	1 RB mid	1745	QPSK	23.71	29.25
10MHz	1 RB high	1745	QPSK	23.61	29.21
10MHz	50%,low	1745	QPSK	22.73	28.89
10MHz	50% RB mid	1745	QPSK	22.74	28.79
10MHz	50%,high	1745	QPSK	22.70	28.82
10MHz	100% RB	1745	QPSK	22.73	28.93

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10MHz	1 RB low	1775	QPSK	23.34	29.32
10MHz	1 RB mid	1775	QPSK	23.30	29.19
10MHz	1 RB high	1775	QPSK	23.40	29.15
10MHz	50%,low	1775	QPSK	22.39	28.73
10MHz	50% RB mid	1775	QPSK	22.40	28.73
10MHz	50%,high	1775	QPSK	22.46	28.73
10MHz	100% RB	1775	QPSK	22.43	28.84
15MHz	1 RB low	1717.5	QPSK	23.07	28.06
15MHz	1 RB mid	1717.5	QPSK	23.03	27.97
15MHz	1 RB high	1717.5	QPSK	22.94	27.85
15MHz	50%,low	1717.5	QPSK	22.40	29.01
15MHz	50% RB mid	1717.5	QPSK	22.29	28.71
15MHz	50%,high	1717.5	QPSK	22.25	28.73
15MHz	100% RB	1717.5	QPSK	22.29	28.95
15MHz	1 RB low	1745	QPSK	23.63	29.29
15MHz	1 RB mid	1745	QPSK	23.70	29.23
15MHz	1 RB high	1745	QPSK	23.47	29.15
15MHz	50%,low	1745	QPSK	22.74	29.14
15MHz	50% RB mid	1745	QPSK	22.74	29.08
15MHz	50%,high	1745	QPSK	22.68	29.20
15MHz	100% RB	1745	QPSK	22.71	29.05
15MHz	1 RB low	1772.5	QPSK	23.16	29.08
15MHz	1 RB mid	1772.5	QPSK	23.40	29.14
15MHz	1 RB high	1772.5	QPSK	23.48	29.10
15MHz	50%,low	1772.5	QPSK	22.43	29.22
15MHz	50% RB mid	1772.5	QPSK	22.53	29.15
15MHz	50%,high	1772.5	QPSK	22.58	29.29
15MHz	100% RB	1772.5	QPSK	22.50	29.05
20MHz	1 RB low	1720	QPSK	23.33	29.19
20MHz	1 RB mid	1720	QPSK	23.12	28.97
20MHz	1 RB high	1720	QPSK	23.13	28.97
20MHz	50%,low	1720	QPSK	22.29	29.00
20MHz	50% RB mid	1720	QPSK	22.22	28.91
20MHz	50%,high	1720	QPSK	22.22	28.94
20MHz	100% RB	1720	QPSK	22.22	28.82
20MHz	1 RB low	1745	QPSK	23.60	29.16
20MHz	1 RB mid	1745	QPSK	23.75	29.12
20MHz	1 RB high	1745	QPSK	23.58	29.12

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20MHz	50%,low	1745	QPSK	22.85	29.17
20MHz	50% RB mid	1745	QPSK	22.86	29.09
20MHz	50%,high	1745	QPSK	22.79	29.17
20MHz	100% RB	1745	QPSK	22.84	29.34
20MHz	1 RB low	1770	QPSK	23.30	28.71
20MHz	1 RB mid	1770	QPSK	23.47	28.70
20MHz	1 RB high	1770	QPSK	23.57	28.75
20MHz	50%,low	1770	QPSK	22.34	29.23
20MHz	50% RB mid	1770	QPSK	22.51	29.18
20MHz	50%,high	1770	QPSK	22.60	29.38
20MHz	100% RB	1770	QPSK	22.49	29.02

LTE band 71

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Avg Power (dBm)	Peak Power (dBm)
5MHz	1 RB low	665.5	QPSK	23.57	28.46
5MHz	1 RB mid	665.5	QPSK	24.01	28.89
5MHz	1 RB high	665.5	QPSK	23.81	28.75
5MHz	50%,low	665.5	QPSK	22.85	28.80
5MHz	50% RB mid	665.5	QPSK	22.99	28.85
5MHz	50%,high	665.5	QPSK	23.06	28.97
5MHz	100% RB	665.5	QPSK	22.91	29.29
5MHz	1 RB low	665.5	16QAM	22.63	27.93
5MHz	1 RB mid	665.5	16QAM	22.98	28.28
5MHz	1 RB high	665.5	16QAM	22.86	28.19
5MHz	50%,low	665.5	16QAM	21.83	28.78
5MHz	50% RB mid	665.5	16QAM	22.01	28.91
5MHz	50%,high	665.5	16QAM	22.13	29.06
5MHz	100% RB	665.5	16QAM	21.97	28.72
5MHz	1 RB low	680.5	QPSK	23.51	29.24
5MHz	1 RB mid	680.5	QPSK	24.04	29.53
5MHz	1 RB high	680.5	QPSK	24.31	29.64
5MHz	50%,low	680.5	QPSK	22.86	29.33
5MHz	50% RB mid	680.5	QPSK	23.13	29.43
5MHz	50%,high	680.5	QPSK	23.32	29.60
5MHz	100% RB	680.5	QPSK	23.14	29.55
5MHz	1 RB low	680.5	16QAM	22.69	28.90
5MHz	1 RB mid	680.5	16QAM	23.30	29.29
5MHz	1 RB high	680.5	16QAM	23.48	29.35
5MHz	50%,low	680.5	16QAM	22.01	28.79

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5MHz	50% RB mid	680.5	16QAM	22.28	28.92
5MHz	50%,high	680.5	16QAM	22.42	29.07
5MHz	100% RB	680.5	16QAM	22.20	29.41
5MHz	1 RB low	695.5	QPSK	24.09	29.02
5MHz	1 RB mid	695.5	QPSK	24.44	29.02
5MHz	1 RB high	695.5	QPSK	24.53	28.91
5MHz	50%,low	695.5	QPSK	23.20	29.39
5MHz	50% RB mid	695.5	QPSK	23.36	29.35
5MHz	50%,high	695.5	QPSK	23.44	29.46
5MHz	100% RB	695.5	QPSK	23.33	28.76
5MHz	1 RB low	695.5	16QAM	23.34	28.75
5MHz	1 RB mid	695.5	16QAM	23.67	28.78
5MHz	1 RB high	695.5	16QAM	23.74	28.71
5MHz	50%,low	695.5	16QAM	22.32	29.00
5MHz	50% RB mid	695.5	16QAM	22.50	28.88
5MHz	50%,high	695.5	16QAM	22.56	28.81
5MHz	100% RB	695.5	16QAM	22.42	28.84
10MHz	1 RB low	668	QPSK	23.52	28.11
10MHz	1 RB mid	668	QPSK	23.75	28.36
10MHz	1 RB high	668	QPSK	23.54	28.31
10MHz	50%,low	668	QPSK	22.99	28.68
10MHz	50% RB mid	668	QPSK	23.15	28.90
10MHz	50%,high	668	QPSK	23.01	29.23
10MHz	100% RB	668	QPSK	23.02	29.79
10MHz	1 RB low	680.5	QPSK	23.40	29.25
10MHz	1 RB mid	680.5	QPSK	24.09	29.60
10MHz	1 RB high	680.5	QPSK	24.67	29.86
10MHz	50%,low	680.5	QPSK	22.76	28.98
10MHz	50% RB mid	680.5	QPSK	23.19	29.33
10MHz	50%,high	680.5	QPSK	23.60	29.66
10MHz	100% RB	680.5	QPSK	23.23	29.89
10MHz	1 RB low	693	QPSK	24.12	29.62
10MHz	1 RB mid	693	QPSK	23.97	29.55
10MHz	1 RB high	693	QPSK	24.43	29.35
10MHz	50%,low	693	QPSK	22.99	29.12
10MHz	50% RB mid	693	QPSK	23.04	29.12
10MHz	50%,high	693	QPSK	23.30	29.10
10MHz	100% RB	693	QPSK	23.15	29.42

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15MHz	1 RB low	670.5	QPSK	23.53	28.18
15MHz	1 RB mid	670.5	QPSK	23.93	28.60
15MHz	1 RB high	670.5	QPSK	23.24	28.13
15MHz	50%,low	670.5	QPSK	23.16	29.38
15MHz	50% RB mid	670.5	QPSK	23.05	29.18
15MHz	50%,high	670.5	QPSK	22.72	29.08
15MHz	100% RB	670.5	QPSK	23.01	29.49
15MHz	1 RB low	680.5	QPSK	23.57	29.40
15MHz	1 RB mid	680.5	QPSK	24.21	29.67
15MHz	1 RB high	680.5	QPSK	24.34	29.60
15MHz	50%,low	680.5	QPSK	22.69	29.29
15MHz	50% RB mid	680.5	QPSK	23.22	29.51
15MHz	50%,high	680.5	QPSK	23.68	29.85
15MHz	100% RB	680.5	QPSK	23.21	29.57
15MHz	1 RB low	690.5	QPSK	24.68	29.95
15MHz	1 RB mid	690.5	QPSK	24.07	29.56
15MHz	1 RB high	690.5	QPSK	24.40	29.24
15MHz	50%,low	690.5	QPSK	23.45	29.84
15MHz	50% RB mid	690.5	QPSK	23.18	29.59
15MHz	50%,high	690.5	QPSK	23.29	29.65
15MHz	100% RB	690.5	QPSK	23.39	29.81
20MHz	1 RB low	673	QPSK	23.54	29.02
20MHz	1 RB mid	673	QPSK	23.67	29.34
20MHz	1 RB high	673	QPSK	24.41	29.81
20MHz	50%,low	673	QPSK	23.01	29.43
20MHz	50% RB mid	673	QPSK	22.74	29.28
20MHz	50%,high	673	QPSK	22.70	29.41
20MHz	100% RB	673	QPSK	22.98	29.49
20MHz	1 RB low	683	QPSK	23.49	29.16
20MHz	1 RB mid	683	QPSK	24.61	29.70
20MHz	1 RB high	683	QPSK	23.87	29.26
20MHz	50%,low	683	QPSK	22.91	29.33
20MHz	50% RB mid	683	QPSK	23.52	29.59
20MHz	50%,high	683	QPSK	23.44	29.65
20MHz	100% RB	683	QPSK	23.27	29.59
20MHz	1 RB low	688	QPSK	23.85	29.17
20MHz	1 RB mid	688	QPSK	24.35	29.26
20MHz	1 RB high	688	QPSK	24.45	29.06

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20MHz	50%,low	688	QPSK	23.51	30.08
20MHz	50% RB mid	688	QPSK	23.44	29.76
20MHz	50%,high	688	QPSK	23.29	29.76
20MHz	100% RB	688	QPSK	23.48	29.80

6.3. ERP and EIRP

Specifications:	FCC Part 2.1046,22.913,24.232,27.50
DUT Serial Number:	IMEI:865357069912077
Test conditions:	Ambient Temperature:16.9°C-23.1°C Relative Humidity:53.0%-59.0% Air pressure: 95.4kPa-96.0kPa
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	0.15
LTE Band 12	2.3	0.15
LTE Band 13	2.3	0.15
LTE Band 66	2.3	N/A
LTE Band 71	2.3	0.15

Note: Antenna Gain is provided customer.

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6.3.1 Measurement result

LTE band 2

EIRP Limits 33dBm(2w)

Max EIRP:25.97dBm

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Power (dBm)	Radiated Power(dBm) G _T =2.3dBi
1.4MHz	1 RB low	1850.7	QPSK	23.13	25.43
1.4MHz	1 RB mid	1850.7	QPSK	23.15	25.45
1.4MHz	1 RB high	1850.7	QPSK	23.22	25.52
1.4MHz	50%,low	1850.7	QPSK	23.31	25.61
1.4MHz	50% RB mid	1850.7	QPSK	23.30	25.60
1.4MHz	50%,high	1850.7	QPSK	23.32	25.62
1.4MHz	100% RB	1850.7	QPSK	22.22	24.52
1.4MHz	1 RB low	1850.7	16QAM	22.44	24.74
1.4MHz	1 RB mid	1850.7	16QAM	22.50	24.80
1.4MHz	1 RB high	1850.7	16QAM	22.46	24.76
1.4MHz	50%,low	1850.7	16QAM	22.41	24.71
1.4MHz	50% RB mid	1850.7	16QAM	22.44	24.74
1.4MHz	50%,high	1850.7	16QAM	22.48	24.78
1.4MHz	100% RB	1850.7	16QAM	21.38	23.68
1.4MHz	1 RB low	1880	QPSK	23.20	25.50
1.4MHz	1 RB mid	1880	QPSK	23.22	25.52
1.4MHz	1 RB high	1880	QPSK	23.18	25.48
1.4MHz	50%,low	1880	QPSK	23.09	25.39
1.4MHz	50% RB mid	1880	QPSK	23.13	25.43
1.4MHz	50%,high	1880	QPSK	23.18	25.48
1.4MHz	100% RB	1880	QPSK	22.29	24.59
1.4MHz	1 RB low	1880	16QAM	22.32	24.62
1.4MHz	1 RB mid	1880	16QAM	22.40	24.70
1.4MHz	1 RB high	1880	16QAM	22.35	24.65
1.4MHz	50%,low	1880	16QAM	23.14	25.44
1.4MHz	50% RB mid	1880	16QAM	22.29	24.59
1.4MHz	50%,high	1880	16QAM	23.10	25.40
1.4MHz	100% RB	1880	16QAM	21.36	23.66
1.4MHz	1 RB low	1909.3	QPSK	23.27	25.57
1.4MHz	1 RB mid	1909.3	QPSK	23.28	25.58

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1.4MHz	1 RB high	1909.3	QPSK	23.25	25.55
1.4MHz	50%,low	1909.3	QPSK	23.34	25.64
1.4MHz	50% RB mid	1909.3	QPSK	23.26	25.56
1.4MHz	50%,high	1909.3	QPSK	23.41	25.71
1.4MHz	100% RB	1909.3	QPSK	22.41	24.71
1.4MHz	1 RB low	1909.3	16QAM	22.47	24.77
1.4MHz	1 RB mid	1909.3	16QAM	22.49	24.79
1.4MHz	1 RB high	1909.3	16QAM	22.44	24.74
1.4MHz	50%,low	1909.3	16QAM	23.20	25.50
1.4MHz	50% RB mid	1909.3	16QAM	22.40	24.70
1.4MHz	50%,high	1909.3	16QAM	23.29	25.59
1.4MHz	100% RB	1909.3	16QAM	21.52	23.82
3MHz	1 RB low	1851.5	QPSK	23.10	25.40
3MHz	1 RB mid	1851.5	QPSK	23.43	25.73
3MHz	1 RB high	1851.5	QPSK	23.27	25.57
3MHz	50%,low	1851.5	QPSK	23.39	25.69
3MHz	50% RB mid	1851.5	QPSK	22.49	24.79
3MHz	50%,high	1851.5	QPSK	23.49	25.79
3MHz	100% RB	1851.5	QPSK	22.37	24.67
3MHz	1 RB low	1851.5	16QAM	22.45	24.75
3MHz	1 RB mid	1851.5	16QAM	22.71	25.01
3MHz	1 RB high	1851.5	16QAM	22.59	24.89
3MHz	50%,low	1851.5	16QAM	23.48	25.78
3MHz	50% RB mid	1851.5	16QAM	21.56	23.86
3MHz	50%,high	1851.5	16QAM	23.48	25.78
3MHz	100% RB	1851.5	16QAM	21.50	23.80
3MHz	1 RB low	1880	QPSK	23.11	25.41
3MHz	1 RB mid	1880	QPSK	23.23	25.53
3MHz	1 RB high	1880	QPSK	23.15	25.45
3MHz	50%,low	1880	QPSK	23.14	25.44
3MHz	50% RB mid	1880	QPSK	22.28	24.58
3MHz	50%,high	1880	QPSK	23.15	25.45
3MHz	100% RB	1880	QPSK	22.20	24.50
3MHz	1 RB low	1880	16QAM	22.22	24.52
3MHz	1 RB mid	1880	16QAM	22.37	24.67
3MHz	1 RB high	1880	16QAM	22.16	24.46
3MHz	50%,low	1880	16QAM	23.13	25.43
3MHz	50% RB mid	1880	16QAM	21.39	23.69

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3MHz	50%,high	1880	16QAM	23.12	25.42
3MHz	100% RB	1880	16QAM	21.25	23.55
3MHz	1 RB low	1908.5	QPSK	23.39	25.69
3MHz	1 RB mid	1908.5	QPSK	23.40	25.7
3MHz	1 RB high	1908.5	QPSK	23.17	25.47
3MHz	50%,low	1908.5	QPSK	23.34	25.64
3MHz	50% RB mid	1908.5	QPSK	22.45	24.75
3MHz	50%,high	1908.5	QPSK	23.33	25.63
3MHz	100% RB	1908.5	QPSK	22.37	24.67
3MHz	1 RB low	1908.5	16QAM	22.44	24.74
3MHz	1 RB mid	1908.5	16QAM	22.54	24.84
3MHz	1 RB high	1908.5	16QAM	22.31	24.61
3MHz	50%,low	1908.5	16QAM	23.34	25.64
3MHz	50% RB mid	1908.5	16QAM	21.44	23.74
3MHz	50%,high	1908.5	16QAM	23.33	25.63
3MHz	100% RB	1908.5	16QAM	21.47	23.77
5MHz	1 RB low	1852.5	QPSK	23.51	25.81
5MHz	1 RB mid	1852.5	QPSK	23.66	25.96
5MHz	1 RB high	1852.5	QPSK	23.53	25.83
5MHz	50%,low	1852.5	QPSK	22.49	24.79
5MHz	50% RB mid	1852.5	QPSK	22.53	24.83
5MHz	50%,high	1852.5	QPSK	22.50	24.80
5MHz	100% RB	1852.5	QPSK	22.49	24.79
5MHz	1 RB low	1852.5	16QAM	22.38	24.68
5MHz	1 RB mid	1852.5	16QAM	22.49	24.79
5MHz	1 RB high	1852.5	16QAM	22.43	24.73
5MHz	50%,low	1852.5	16QAM	21.52	23.82
5MHz	50% RB mid	1852.5	16QAM	21.59	23.89
5MHz	50%,high	1852.5	16QAM	21.57	23.87
5MHz	100% RB	1852.5	16QAM	21.51	23.81
5MHz	1 RB low	1880	QPSK	23.41	25.71
5MHz	1 RB mid	1880	QPSK	23.34	25.64
5MHz	1 RB high	1880	QPSK	23.17	25.47
5MHz	50%,low	1880	QPSK	22.29	24.59
5MHz	50% RB mid	1880	QPSK	22.27	24.57
5MHz	50%,high	1880	QPSK	22.25	24.55
5MHz	100% RB	1880	QPSK	22.23	24.53
5MHz	1 RB low	1880	16QAM	22.40	24.70

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5MHz	1 RB mid	1880	16QAM	22.40	24.70
5MHz	1 RB high	1880	16QAM	22.27	24.57
5MHz	50%,low	1880	16QAM	21.39	23.69
5MHz	50% RB mid	1880	16QAM	21.37	23.67
5MHz	50%,high	1880	16QAM	21.35	23.65
5MHz	100% RB	1880	16QAM	21.44	23.74
5MHz	1 RB low	1907.5	QPSK	23.42	25.72
5MHz	1 RB mid	1907.5	QPSK	23.48	25.78
5MHz	1 RB high	1907.5	QPSK	23.31	25.61
5MHz	50%,low	1907.5	QPSK	22.56	24.86
5MHz	50% RB mid	1907.5	QPSK	22.50	24.80
5MHz	50%,high	1907.5	QPSK	22.49	24.79
5MHz	100% RB	1907.5	QPSK	22.45	24.75
5MHz	1 RB low	1907.5	16QAM	22.77	25.07
5MHz	1 RB mid	1907.5	16QAM	22.80	25.10
5MHz	1 RB high	1907.5	16QAM	22.62	24.92
5MHz	50%,low	1907.5	16QAM	21.66	23.96
5MHz	50% RB mid	1907.5	16QAM	21.63	23.93
5MHz	50%,high	1907.5	16QAM	21.61	23.91
5MHz	100% RB	1907.5	16QAM	21.59	23.89
10MHz	1 RB low	1855	QPSK	23.45	25.75
10MHz	1 RB mid	1855	QPSK	23.40	25.70
10MHz	1 RB high	1855	QPSK	23.24	25.54
10MHz	50%,low	1855	QPSK	22.49	24.79
10MHz	50% RB mid	1855	QPSK	22.45	24.75
10MHz	50%,high	1855	QPSK	22.39	24.69
10MHz	100% RB	1855	QPSK	22.44	24.74
10MHz	1 RB low	1880	QPSK	23.41	25.71
10MHz	1 RB mid	1880	QPSK	23.44	25.74
10MHz	1 RB high	1880	QPSK	23.33	25.63
10MHz	50%,low	1880	QPSK	22.42	24.72
10MHz	50% RB mid	1880	QPSK	22.37	24.67
10MHz	50%,high	1880	QPSK	22.34	24.64
10MHz	100% RB	1880	QPSK	22.35	24.65
10MHz	1 RB low	1905	QPSK	23.42	25.72
10MHz	1 RB mid	1905	QPSK	23.43	25.73
10MHz	1 RB high	1905	QPSK	23.26	25.56
10MHz	50%,low	1905	QPSK	22.41	24.71

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10MHz	50% RB mid	1905	QPSK	22.44	24.74
10MHz	50%,high	1905	QPSK	22.47	24.77
10MHz	100% RB	1905	QPSK	22.45	24.75
15MHz	1 RB low	1857.5	QPSK	23.46	25.76
15MHz	1 RB mid	1857.5	QPSK	23.41	25.71
15MHz	1 RB high	1857.5	QPSK	23.29	25.59
15MHz	50%,low	1857.5	QPSK	22.62	24.92
15MHz	50% RB mid	1857.5	QPSK	22.55	24.85
15MHz	50%,high	1857.5	QPSK	22.50	24.80
15MHz	100% RB	1857.5	QPSK	22.56	24.86
15MHz	1 RB low	1880	QPSK	23.58	25.88
15MHz	1 RB mid	1880	QPSK	23.42	25.72
15MHz	1 RB high	1880	QPSK	23.50	25.80
15MHz	50%,low	1880	QPSK	22.61	24.91
15MHz	50% RB mid	1880	QPSK	22.55	24.85
15MHz	50%,high	1880	QPSK	22.55	24.85
15MHz	100% RB	1880	QPSK	22.55	24.85
15MHz	1 RB low	1902.5	QPSK	23.56	25.86
15MHz	1 RB mid	1902.5	QPSK	23.51	25.81
15MHz	1 RB high	1902.5	QPSK	23.39	25.69
15MHz	50%,low	1902.5	QPSK	22.54	24.84
15MHz	50% RB mid	1902.5	QPSK	22.55	24.85
15MHz	50%,high	1902.5	QPSK	22.56	24.86
15MHz	100% RB	1902.5	QPSK	22.57	24.87
20MHz	1 RB low	1860	QPSK	23.63	25.93
20MHz	1 RB mid	1860	QPSK	23.52	25.82
20MHz	1 RB high	1860	QPSK	23.54	25.84
20MHz	50%,low	1860	QPSK	22.61	24.91
20MHz	50% RB mid	1860	QPSK	22.56	24.86
20MHz	50%,high	1860	QPSK	22.57	24.87
20MHz	100% RB	1860	QPSK	22.58	24.88
20MHz	1 RB low	1880	QPSK	23.45	25.75
20MHz	1 RB mid	1880	QPSK	23.51	25.81
20MHz	1 RB high	1880	QPSK	23.52	25.82
20MHz	50%,low	1880	QPSK	22.65	24.95
20MHz	50% RB mid	1880	QPSK	22.56	24.86
20MHz	50%,high	1880	QPSK	22.59	24.89
20MHz	100% RB	1880	QPSK	22.61	24.91

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20MHz	1 RB low	1900	QPSK	23.67	25.97
20MHz	1 RB mid	1900	QPSK	23.60	25.90
20MHz	1 RB high	1900	QPSK	23.39	25.69
20MHz	50%,low	1900	QPSK	22.62	24.92
20MHz	50% RB mid	1900	QPSK	22.62	24.92
20MHz	50%,high	1900	QPSK	22.60	24.90
20MHz	100% RB	1900	QPSK	22.62	24.92

LTE band 4
EIRP Limits 30dBm(1w)
Max EIRP:25.94dBm

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Power (dBm)	Radiated Power(dBm) G _T =2.3dBi
1.4MHz	1 RB low	1710.7	QPSK	22.97	25.27
1.4MHz	1 RB mid	1710.7	QPSK	22.94	25.24
1.4MHz	1 RB high	1710.7	QPSK	23.02	25.32
1.4MHz	50%,low	1710.7	QPSK	23.01	25.31
1.4MHz	50% RB mid	1710.7	QPSK	22.99	25.29
1.4MHz	50%,high	1710.7	QPSK	23.04	25.34
1.4MHz	100% RB	1710.7	QPSK	22.02	24.32
1.4MHz	1 RB low	1710.7	16QAM	22.16	24.46
1.4MHz	1 RB mid	1710.7	16QAM	22.24	24.54
1.4MHz	1 RB high	1710.7	16QAM	22.19	24.49
1.4MHz	50%,low	1710.7	16QAM	23.05	25.35
1.4MHz	50% RB mid	1710.7	16QAM	22.10	24.40
1.4MHz	50%,high	1710.7	16QAM	23.04	25.34
1.4MHz	100% RB	1710.7	16QAM	21.04	23.34
1.4MHz	1 RB low	1732.5	QPSK	23.22	25.52
1.4MHz	1 RB mid	1732.5	QPSK	23.25	25.55
1.4MHz	1 RB high	1732.5	QPSK	23.24	25.54
1.4MHz	50%,low	1732.5	QPSK	23.15	25.45
1.4MHz	50% RB mid	1732.5	QPSK	23.17	25.47
1.4MHz	50%,high	1732.5	QPSK	23.12	25.42
1.4MHz	100% RB	1732.5	QPSK	22.27	24.57
1.4MHz	1 RB low	1732.5	16QAM	22.29	24.59
1.4MHz	1 RB mid	1732.5	16QAM	22.41	24.71
1.4MHz	1 RB high	1732.5	16QAM	22.36	24.66
1.4MHz	50%,low	1732.5	16QAM	23.14	25.44
1.4MHz	50% RB mid	1732.5	16QAM	22.32	24.62
1.4MHz	50%,high	1732.5	16QAM	23.12	25.42
1.4MHz	100% RB	1732.5	16QAM	21.41	23.71
1.4MHz	1 RB low	1754.3	QPSK	22.91	25.21
1.4MHz	1 RB mid	1754.3	QPSK	22.93	25.23
1.4MHz	1 RB high	1754.3	QPSK	22.96	25.26

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1.4MHz	50%,low	1754.3	QPSK	23.02	25.32
1.4MHz	50% RB mid	1754.3	QPSK	22.93	25.23
1.4MHz	50%,high	1754.3	QPSK	23.02	25.32
1.4MHz	100% RB	1754.3	QPSK	22.04	24.34
1.4MHz	1 RB low	1754.3	16QAM	22.11	24.41
1.4MHz	1 RB mid	1754.3	16QAM	22.21	24.51
1.4MHz	1 RB high	1754.3	16QAM	22.17	24.47
1.4MHz	50%,low	1754.3	16QAM	22.93	25.23
1.4MHz	50% RB mid	1754.3	16QAM	21.98	24.28
1.4MHz	50%,high	1754.3	16QAM	22.94	25.24
1.4MHz	100% RB	1754.3	16QAM	21.03	23.33
3MHz	1 RB low	1711.5	QPSK	22.63	24.93
3MHz	1 RB mid	1711.5	QPSK	22.85	25.15
3MHz	1 RB high	1711.5	QPSK	22.73	25.03
3MHz	50%,low	1711.5	QPSK	22.87	25.17
3MHz	50% RB mid	1711.5	QPSK	21.92	24.22
3MHz	50%,high	1711.5	QPSK	22.98	25.28
3MHz	100% RB	1711.5	QPSK	21.92	24.22
3MHz	1 RB low	1711.5	16QAM	22.10	24.40
3MHz	1 RB mid	1711.5	16QAM	22.27	24.57
3MHz	1 RB high	1711.5	16QAM	22.09	24.39
3MHz	50%,low	1711.5	16QAM	22.92	25.22
3MHz	50% RB mid	1711.5	16QAM	21.06	23.36
3MHz	50%,high	1711.5	16QAM	22.92	25.22
3MHz	100% RB	1711.5	16QAM	21.00	23.30
3MHz	1 RB low	1732.5	QPSK	23.10	25.40
3MHz	1 RB mid	1732.5	QPSK	23.28	25.58
3MHz	1 RB high	1732.5	QPSK	23.15	25.45
3MHz	50%,low	1732.5	QPSK	23.10	25.40
3MHz	50% RB mid	1732.5	QPSK	22.31	24.61
3MHz	50%,high	1732.5	QPSK	23.08	25.38
3MHz	100% RB	1732.5	QPSK	22.24	24.54
3MHz	1 RB low	1732.5	16QAM	22.19	24.49
3MHz	1 RB mid	1732.5	16QAM	22.42	24.72
3MHz	1 RB high	1732.5	16QAM	22.28	24.58
3MHz	50%,low	1732.5	16QAM	23.07	25.37
3MHz	50% RB mid	1732.5	16QAM	21.42	23.72
3MHz	50%,high	1732.5	16QAM	23.07	25.37

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3MHz	100% RB	1732.5	16QAM	21.27	23.57
3MHz	1 RB low	1753.5	QPSK	22.83	25.13
3MHz	1 RB mid	1753.5	QPSK	23.00	25.30
3MHz	1 RB high	1753.5	QPSK	22.84	25.14
3MHz	50%,low	1753.5	QPSK	22.94	25.24
3MHz	50% RB mid	1753.5	QPSK	22.05	24.35
3MHz	50%,high	1753.5	QPSK	22.96	25.26
3MHz	100% RB	1753.5	QPSK	21.98	24.28
3MHz	1 RB low	1753.5	16QAM	21.86	24.16
3MHz	1 RB mid	1753.5	16QAM	22.09	24.39
3MHz	1 RB high	1753.5	16QAM	21.95	24.25
3MHz	50%,low	1753.5	16QAM	22.86	25.16
3MHz	50% RB mid	1753.5	16QAM	21.02	23.32
3MHz	50%,high	1753.5	16QAM	22.86	25.16
3MHz	100% RB	1753.5	16QAM	21.05	23.35
5MHz	1 RB low	1712.5	QPSK	23.08	25.38
5MHz	1 RB mid	1712.5	QPSK	22.98	25.28
5MHz	1 RB high	1712.5	QPSK	22.92	25.22
5MHz	50%,low	1712.5	QPSK	22.02	24.32
5MHz	50% RB mid	1712.5	QPSK	22.04	24.34
5MHz	50%,high	1712.5	QPSK	21.98	24.28
5MHz	100% RB	1712.5	QPSK	21.97	24.27
5MHz	1 RB low	1712.5	16QAM	21.94	24.24
5MHz	1 RB mid	1712.5	16QAM	21.95	24.25
5MHz	1 RB high	1712.5	16QAM	21.87	24.17
5MHz	50%,low	1712.5	16QAM	21.11	23.41
5MHz	50% RB mid	1712.5	16QAM	21.14	23.44
5MHz	50%,high	1712.5	16QAM	21.12	23.42
5MHz	100% RB	1712.5	16QAM	21.11	23.41
5MHz	1 RB low	1732.5	QPSK	23.31	25.61
5MHz	1 RB mid	1732.5	QPSK	23.31	25.61
5MHz	1 RB high	1732.5	QPSK	23.33	25.63
5MHz	50%,low	1732.5	QPSK	22.34	24.64
5MHz	50% RB mid	1732.5	QPSK	22.35	24.65
5MHz	50%,high	1732.5	QPSK	22.39	24.69
5MHz	100% RB	1732.5	QPSK	22.33	24.63
5MHz	1 RB low	1732.5	16QAM	22.43	24.73
5MHz	1 RB mid	1732.5	16QAM	22.48	24.78

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5MHz	1 RB high	1732.5	16QAM	22.51	24.81
5MHz	50%,low	1732.5	16QAM	21.41	23.71
5MHz	50% RB mid	1732.5	16QAM	21.44	23.74
5MHz	50%,high	1732.5	16QAM	21.48	23.78
5MHz	100% RB	1732.5	16QAM	21.47	23.77
5MHz	1 RB low	1752.5	QPSK	23.03	25.33
5MHz	1 RB mid	1752.5	QPSK	23.10	25.40
5MHz	1 RB high	1752.5	QPSK	23.07	25.37
5MHz	50%,low	1752.5	QPSK	22.10	24.40
5MHz	50% RB mid	1752.5	QPSK	22.16	24.46
5MHz	50%,high	1752.5	QPSK	22.17	24.47
5MHz	100% RB	1752.5	QPSK	22.11	24.41
5MHz	1 RB low	1752.5	16QAM	22.44	24.74
5MHz	1 RB mid	1752.5	16QAM	22.52	24.82
5MHz	1 RB high	1752.5	16QAM	22.47	24.77
5MHz	50%,low	1752.5	16QAM	21.15	23.45
5MHz	50% RB mid	1752.5	16QAM	21.21	23.51
5MHz	50%,high	1752.5	16QAM	21.23	23.53
5MHz	100% RB	1752.5	16QAM	21.13	23.43
10MHz	1 RB low	1715	QPSK	23.02	25.32
10MHz	1 RB mid	1715	QPSK	22.90	25.20
10MHz	1 RB high	1715	QPSK	22.88	25.18
10MHz	50%,low	1715	QPSK	22.05	24.35
10MHz	50% RB mid	1715	QPSK	22.02	24.32
10MHz	50%,high	1715	QPSK	21.97	24.27
10MHz	100% RB	1715	QPSK	21.99	24.29
10MHz	1 RB low	1732.5	QPSK	23.26	25.56
10MHz	1 RB mid	1732.5	QPSK	23.40	25.70
10MHz	1 RB high	1732.5	QPSK	23.48	25.78
10MHz	50%,low	1732.5	QPSK	22.38	24.68
10MHz	50% RB mid	1732.5	QPSK	22.43	24.73
10MHz	50%,high	1732.5	QPSK	22.49	24.79
10MHz	100% RB	1732.5	QPSK	22.42	24.72
10MHz	1 RB low	1750	QPSK	23.30	25.60
10MHz	1 RB mid	1750	QPSK	23.13	25.43
10MHz	1 RB high	1750	QPSK	23.20	25.50
10MHz	50%,low	1750	QPSK	22.28	24.58
10MHz	50% RB mid	1750	QPSK	22.20	24.50

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10MHz	50%,high	1750	QPSK	22.17	24.47
10MHz	100% RB	1750	QPSK	22.25	24.55
15MHz	1 RB low	1717.5	QPSK	22.92	25.22
15MHz	1 RB mid	1717.5	QPSK	22.87	25.17
15MHz	1 RB high	1717.5	QPSK	22.92	25.22
15MHz	50%,low	1717.5	QPSK	22.04	24.34
15MHz	50% RB mid	1717.5	QPSK	22.10	24.40
15MHz	50%,high	1717.5	QPSK	22.13	24.43
15MHz	100% RB	1717.5	QPSK	22.12	24.42
15MHz	1 RB low	1732.5	QPSK	23.14	25.44
15MHz	1 RB mid	1732.5	QPSK	23.37	25.67
15MHz	1 RB high	1732.5	QPSK	23.49	25.79
15MHz	50%,low	1732.5	QPSK	22.43	24.73
15MHz	50% RB mid	1732.5	QPSK	22.56	24.86
15MHz	50%,high	1732.5	QPSK	22.65	24.95
15MHz	100% RB	1732.5	QPSK	22.53	24.83
15MHz	1 RB low	1747.5	QPSK	23.56	25.86
15MHz	1 RB mid	1747.5	QPSK	23.55	25.85
15MHz	1 RB high	1747.5	QPSK	23.42	25.72
15MHz	50%,low	1747.5	QPSK	22.59	24.89
15MHz	50% RB mid	1747.5	QPSK	22.54	24.84
15MHz	50%,high	1747.5	QPSK	22.47	24.77
15MHz	100% RB	1747.5	QPSK	22.57	24.87
20MHz	1 RB low	1720	QPSK	23.11	25.41
20MHz	1 RB mid	1720	QPSK	23.02	25.32
20MHz	1 RB high	1720	QPSK	23.14	25.44
20MHz	50%,low	1720	QPSK	22.08	24.38
20MHz	50% RB mid	1720	QPSK	22.06	24.36
20MHz	50%,high	1720	QPSK	22.16	24.46
20MHz	100% RB	1720	QPSK	22.08	24.38
20MHz	1 RB low	1732.5	QPSK	23.19	25.49
20MHz	1 RB mid	1732.5	QPSK	23.46	25.76
20MHz	1 RB high	1732.5	QPSK	23.64	25.94
20MHz	50%,low	1732.5	QPSK	22.44	24.74
20MHz	50% RB mid	1732.5	QPSK	22.60	24.90
20MHz	50%,high	1732.5	QPSK	22.69	24.99
20MHz	100% RB	1732.5	QPSK	22.58	24.88
20MHz	1 RB low	1745	QPSK	23.54	25.84

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20MHz	1 RB mid	1745	QPSK	23.55	25.85
20MHz	1 RB high	1745	QPSK	23.43	25.73
20MHz	50%,low	1745	QPSK	22.64	24.94
20MHz	50% RB mid	1745	QPSK	22.64	24.94
20MHz	50%,high	1745	QPSK	22.54	24.84
20MHz	100% RB	1745	QPSK	22.63	24.93

LTE band 5
ERP Limits 38.5dBm(7w)
Max ERP:24.23dBm

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Power (dBm)	Radiated Power(dBm) G _T =0.15dBi
1.4MHz	1 RB low	824.7	QPSK	23.77	23.92
1.4MHz	1 RB mid	824.7	QPSK	23.84	23.99
1.4MHz	1 RB high	824.7	QPSK	23.91	24.06
1.4MHz	50%,low	824.7	QPSK	23.91	24.06
1.4MHz	50% RB mid	824.7	QPSK	23.79	23.94
1.4MHz	50%,high	824.7	QPSK	23.97	24.12
1.4MHz	100% RB	824.7	QPSK	22.93	23.08
1.4MHz	1 RB low	824.7	16QAM	23.03	23.18
1.4MHz	1 RB mid	824.7	16QAM	23.13	23.28
1.4MHz	1 RB high	824.7	16QAM	23.12	23.27
1.4MHz	50%,low	824.7	16QAM	23.97	24.12
1.4MHz	50% RB mid	824.7	16QAM	22.99	23.14
1.4MHz	50%,high	824.7	16QAM	23.96	24.11
1.4MHz	100% RB	824.7	16QAM	22.03	22.18
1.4MHz	1 RB low	836.5	QPSK	23.65	23.80
1.4MHz	1 RB mid	836.5	QPSK	23.69	23.84
1.4MHz	1 RB high	836.5	QPSK	23.64	23.79
1.4MHz	50%,low	836.5	QPSK	23.65	23.80
1.4MHz	50% RB mid	836.5	QPSK	23.64	23.79
1.4MHz	50%,high	836.5	QPSK	23.63	23.78
1.4MHz	100% RB	836.5	QPSK	22.82	22.97
1.4MHz	1 RB low	836.5	16QAM	22.88	23.03
1.4MHz	1 RB mid	836.5	16QAM	22.93	23.08
1.4MHz	1 RB high	836.5	16QAM	22.85	23.00
1.4MHz	50%,low	836.5	16QAM	23.65	23.80
1.4MHz	50% RB mid	836.5	16QAM	22.87	23.02
1.4MHz	50%,high	836.5	16QAM	23.64	23.79
1.4MHz	100% RB	836.5	16QAM	21.93	22.08
1.4MHz	1 RB low	848.3	QPSK	23.66	23.81
1.4MHz	1 RB mid	848.3	QPSK	23.64	23.79
1.4MHz	1 RB high	848.3	QPSK	23.63	23.78
1.4MHz	50%,low	848.3	QPSK	23.72	23.87

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1.4MHz	50% RB mid	848.3	QPSK	23.63	23.78
1.4MHz	50%,high	848.3	QPSK	23.79	23.94
1.4MHz	100% RB	848.3	QPSK	22.73	22.88
1.4MHz	1 RB low	848.3	16QAM	22.78	22.93
1.4MHz	1 RB mid	848.3	16QAM	22.86	23.01
1.4MHz	1 RB high	848.3	16QAM	22.81	22.96
1.4MHz	50%,low	848.3	16QAM	23.75	23.90
1.4MHz	50% RB mid	848.3	16QAM	22.76	22.91
1.4MHz	50%,high	848.3	16QAM	23.76	23.91
1.4MHz	100% RB	848.3	16QAM	21.76	21.91
3MHz	1 RB low	825.5	QPSK	23.43	23.58
3MHz	1 RB mid	825.5	QPSK	23.70	23.85
3MHz	1 RB high	825.5	QPSK	23.62	23.77
3MHz	50%,low	825.5	QPSK	23.90	24.05
3MHz	50% RB mid	825.5	QPSK	22.99	23.14
3MHz	50%,high	825.5	QPSK	23.86	24.01
3MHz	100% RB	825.5	QPSK	22.84	22.99
3MHz	1 RB low	825.5	16QAM	22.89	23.04
3MHz	1 RB mid	825.5	16QAM	23.17	23.32
3MHz	1 RB high	825.5	16QAM	23.06	23.21
3MHz	50%,low	825.5	16QAM	23.83	23.98
3MHz	50% RB mid	825.5	16QAM	21.94	22.09
3MHz	50%,high	825.5	16QAM	23.83	23.98
3MHz	100% RB	825.5	16QAM	21.85	22.00
3MHz	1 RB low	836.5	QPSK	23.60	23.75
3MHz	1 RB mid	836.5	QPSK	23.77	23.92
3MHz	1 RB high	836.5	QPSK	23.54	23.69
3MHz	50%,low	836.5	QPSK	23.59	23.74
3MHz	50% RB mid	836.5	QPSK	22.87	23.02
3MHz	50%,high	836.5	QPSK	23.58	23.73
3MHz	100% RB	836.5	QPSK	22.81	22.96
3MHz	1 RB low	836.5	16QAM	22.83	22.98
3MHz	1 RB mid	836.5	16QAM	22.96	23.11
3MHz	1 RB high	836.5	16QAM	22.77	22.92
3MHz	50%,low	836.5	16QAM	23.59	23.74
3MHz	50% RB mid	836.5	16QAM	21.95	22.10
3MHz	50%,high	836.5	16QAM	23.60	23.75
3MHz	100% RB	836.5	16QAM	21.82	21.97

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3MHz	1 RB low	847.5	QPSK	23.64	23.79
3MHz	1 RB mid	847.5	QPSK	23.75	23.90
3MHz	1 RB high	847.5	QPSK	23.59	23.74
3MHz	50%,low	847.5	QPSK	23.72	23.87
3MHz	50% RB mid	847.5	QPSK	22.80	22.95
3MHz	50%,high	847.5	QPSK	23.73	23.88
3MHz	100% RB	847.5	QPSK	22.76	22.91
3MHz	1 RB low	847.5	16QAM	22.75	22.90
3MHz	1 RB mid	847.5	16QAM	22.94	23.09
3MHz	1 RB high	847.5	16QAM	22.76	22.91
3MHz	50%,low	847.5	16QAM	23.75	23.90
3MHz	50% RB mid	847.5	16QAM	21.79	21.94
3MHz	50%,high	847.5	16QAM	23.76	23.91
3MHz	100% RB	847.5	16QAM	21.82	21.97
5MHz	1 RB low	826.5	QPSK	23.86	24.01
5MHz	1 RB mid	826.5	QPSK	23.97	24.12
5MHz	1 RB high	826.5	QPSK	24.01	24.16
5MHz	50%,low	826.5	QPSK	23.15	23.30
5MHz	50% RB mid	826.5	QPSK	23.16	23.31
5MHz	50%,high	826.5	QPSK	23.15	23.30
5MHz	100% RB	826.5	QPSK	23.12	23.27
5MHz	1 RB low	826.5	16QAM	22.96	23.11
5MHz	1 RB mid	826.5	16QAM	23.10	23.25
5MHz	1 RB high	826.5	16QAM	23.11	23.26
5MHz	50%,low	826.5	16QAM	22.12	22.27
5MHz	50% RB mid	826.5	16QAM	22.17	22.32
5MHz	50%,high	826.5	16QAM	22.19	22.34
5MHz	100% RB	826.5	16QAM	22.14	22.29
5MHz	1 RB low	836.5	QPSK	23.85	24.00
5MHz	1 RB mid	836.5	QPSK	23.83	23.98
5MHz	1 RB high	836.5	QPSK	23.67	23.82
5MHz	50%,low	836.5	QPSK	22.95	23.10
5MHz	50% RB mid	836.5	QPSK	22.92	23.07
5MHz	50%,high	836.5	QPSK	22.89	23.04
5MHz	100% RB	836.5	QPSK	22.92	23.07
5MHz	1 RB low	836.5	16QAM	23.11	23.26
5MHz	1 RB mid	836.5	16QAM	23.04	23.19
5MHz	1 RB high	836.5	16QAM	22.96	23.11

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5MHz	50%,low	836.5	16QAM	22.00	22.15
5MHz	50% RB mid	836.5	16QAM	21.98	22.13
5MHz	50%,high	836.5	16QAM	21.96	22.11
5MHz	100% RB	836.5	16QAM	22.03	22.18
5MHz	1 RB low	846.5	QPSK	23.86	24.01
5MHz	1 RB mid	846.5	QPSK	23.85	24.00
5MHz	1 RB high	846.5	QPSK	23.79	23.94
5MHz	50%,low	846.5	QPSK	22.89	23.04
5MHz	50% RB mid	846.5	QPSK	22.89	23.04
5MHz	50%,high	846.5	QPSK	22.89	23.04
5MHz	100% RB	846.5	QPSK	22.88	23.03
5MHz	1 RB low	846.5	16QAM	23.16	23.31
5MHz	1 RB mid	846.5	16QAM	23.18	23.33
5MHz	1 RB high	846.5	16QAM	23.13	23.28
5MHz	50%,low	846.5	16QAM	21.99	22.14
5MHz	50% RB mid	846.5	16QAM	21.99	22.14
5MHz	50%,high	846.5	16QAM	21.99	22.14
5MHz	100% RB	846.5	16QAM	21.92	22.07
10MHz	1 RB low	829	QPSK	23.85	24.00
10MHz	1 RB mid	829	QPSK	24.08	24.23
10MHz	1 RB high	829	QPSK	24.03	24.18
10MHz	50%,low	829	QPSK	23.09	23.24
10MHz	50% RB mid	829	QPSK	23.13	23.28
10MHz	50%,high	829	QPSK	23.09	23.24
10MHz	100% RB	829	QPSK	23.10	23.25
10MHz	1 RB low	836.5	QPSK	24.01	24.16
10MHz	1 RB mid	836.5	QPSK	23.81	23.96
10MHz	1 RB high	836.5	QPSK	23.52	23.67
10MHz	50%,low	836.5	QPSK	23.05	23.20
10MHz	50% RB mid	836.5	QPSK	22.98	23.13
10MHz	50%,high	836.5	QPSK	22.89	23.04
10MHz	100% RB	836.5	QPSK	22.97	23.12
10MHz	1 RB low	844	QPSK	23.91	24.06
10MHz	1 RB mid	844	QPSK	23.81	23.96
10MHz	1 RB high	844	QPSK	23.78	23.93
10MHz	50%,low	844	QPSK	23.00	23.15
10MHz	50% RB mid	844	QPSK	22.95	23.10
10MHz	50%,high	844	QPSK	22.93	23.08

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10MHz	100% RB	844	QPSK	22.97	23.12
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LTE band 12
ERP Limits 34.8dBm(3w)
Max ERP:24.74dBm

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Power (dBm)	Radiated Power(dBm) G _T =0.15dBd
1.4MHz	1 RB low	699.7	QPSK	24.22	24.37
1.4MHz	1 RB mid	699.7	QPSK	24.25	24.40
1.4MHz	1 RB high	699.7	QPSK	24.25	24.40
1.4MHz	50%,low	699.7	QPSK	24.41	24.56
1.4MHz	50% RB mid	699.7	QPSK	24.40	24.55
1.4MHz	50%,high	699.7	QPSK	24.37	24.52
1.4MHz	100% RB	699.7	QPSK	23.55	23.70
1.4MHz	1 RB low	699.7	16QAM	23.48	23.63
1.4MHz	1 RB mid	699.7	16QAM	23.66	23.81
1.4MHz	1 RB high	699.7	16QAM	23.54	23.69
1.4MHz	50%,low	699.7	16QAM	24.41	24.56
1.4MHz	50% RB mid	699.7	16QAM	23.56	23.71
1.4MHz	50%,high	699.7	16QAM	24.33	24.48
1.4MHz	100% RB	699.7	16QAM	22.61	22.76
1.4MHz	1 RB low	707.5	QPSK	23.43	23.58
1.4MHz	1 RB mid	707.5	QPSK	23.53	23.68
1.4MHz	1 RB high	707.5	QPSK	23.62	23.77
1.4MHz	50%,low	707.5	QPSK	23.60	23.75
1.4MHz	50% RB mid	707.5	QPSK	23.48	23.63
1.4MHz	50%,high	707.5	QPSK	23.59	23.74
1.4MHz	100% RB	707.5	QPSK	22.58	22.73
1.4MHz	1 RB low	707.5	16QAM	22.56	22.71
1.4MHz	1 RB mid	707.5	16QAM	22.78	22.93
1.4MHz	1 RB high	707.5	16QAM	22.77	22.92
1.4MHz	50%,low	707.5	16QAM	23.62	23.77
1.4MHz	50% RB mid	707.5	16QAM	22.63	22.78
1.4MHz	50%,high	707.5	16QAM	23.60	23.75
1.4MHz	100% RB	707.5	16QAM	21.60	21.75
1.4MHz	1 RB low	715.3	QPSK	24.13	24.28
1.4MHz	1 RB mid	715.3	QPSK	23.99	24.14
1.4MHz	1 RB high	715.3	QPSK	23.94	24.09
1.4MHz	50%,low	715.3	QPSK	24.12	24.27

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1.4MHz	50% RB mid	715.3	QPSK	24.06	24.21
1.4MHz	50%,high	715.3	QPSK	24.10	24.25
1.4MHz	100% RB	715.3	QPSK	23.09	23.24
1.4MHz	1 RB low	715.3	16QAM	23.25	23.40
1.4MHz	1 RB mid	715.3	16QAM	23.27	23.42
1.4MHz	1 RB high	715.3	16QAM	23.16	23.31
1.4MHz	50%,low	715.3	16QAM	24.15	24.30
1.4MHz	50% RB mid	715.3	16QAM	23.20	23.35
1.4MHz	50%,high	715.3	16QAM	24.14	24.29
1.4MHz	100% RB	715.3	16QAM	22.16	22.31
3MHz	1 RB low	700.5	QPSK	24.16	24.31
3MHz	1 RB mid	700.5	QPSK	24.59	24.74
3MHz	1 RB high	700.5	QPSK	24.21	24.36
3MHz	50%,low	700.5	QPSK	24.50	24.65
3MHz	50% RB mid	700.5	QPSK	23.53	23.68
3MHz	50%,high	700.5	QPSK	24.48	24.63
3MHz	100% RB	700.5	QPSK	23.42	23.57
3MHz	1 RB low	700.5	16QAM	23.48	23.63
3MHz	1 RB mid	700.5	16QAM	23.91	24.06
3MHz	1 RB high	700.5	16QAM	23.65	23.80
3MHz	50%,low	700.5	16QAM	24.44	24.59
3MHz	50% RB mid	700.5	16QAM	22.76	22.91
3MHz	50%,high	700.5	16QAM	24.46	24.61
3MHz	100% RB	700.5	16QAM	22.68	22.83
3MHz	1 RB low	707.5	QPSK	23.13	23.28
3MHz	1 RB mid	707.5	QPSK	23.54	23.69
3MHz	1 RB high	707.5	QPSK	23.49	23.64
3MHz	50%,low	707.5	QPSK	23.26	23.41
3MHz	50% RB mid	707.5	QPSK	22.51	22.66
3MHz	50%,high	707.5	QPSK	23.26	23.41
3MHz	100% RB	707.5	QPSK	22.41	22.56
3MHz	1 RB low	707.5	16QAM	22.19	22.34
3MHz	1 RB mid	707.5	16QAM	22.66	22.81
3MHz	1 RB high	707.5	16QAM	22.56	22.71
3MHz	50%,low	707.5	16QAM	23.22	23.37
3MHz	50% RB mid	707.5	16QAM	21.60	21.75
3MHz	50%,high	707.5	16QAM	23.27	23.42
3MHz	100% RB	707.5	16QAM	21.42	21.57

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3MHz	1 RB low	714.5	QPSK	24.17	24.32
3MHz	1 RB mid	714.5	QPSK	24.09	24.24
3MHz	1 RB high	714.5	QPSK	23.78	23.93
3MHz	50%,low	714.5	QPSK	24.18	24.33
3MHz	50% RB mid	714.5	QPSK	23.17	23.32
3MHz	50%,high	714.5	QPSK	24.20	24.35
3MHz	100% RB	714.5	QPSK	23.19	23.34
3MHz	1 RB low	714.5	16QAM	23.32	23.47
3MHz	1 RB mid	714.5	16QAM	23.25	23.40
3MHz	1 RB high	714.5	16QAM	22.95	23.10
3MHz	50%,low	714.5	16QAM	24.11	24.26
3MHz	50% RB mid	714.5	16QAM	22.18	22.33
3MHz	50%,high	714.5	16QAM	24.11	24.26
3MHz	100% RB	714.5	16QAM	22.23	22.38
5MHz	1 RB low	701.5	QPSK	24.38	24.53
5MHz	1 RB mid	701.5	QPSK	24.53	24.68
5MHz	1 RB high	701.5	QPSK	24.06	24.21
5MHz	50%,low	701.5	QPSK	23.60	23.75
5MHz	50% RB mid	701.5	QPSK	23.57	23.72
5MHz	50%,high	701.5	QPSK	23.38	23.53
5MHz	100% RB	701.5	QPSK	23.57	23.72
5MHz	1 RB low	701.5	16QAM	23.55	23.70
5MHz	1 RB mid	701.5	16QAM	23.55	23.70
5MHz	1 RB high	701.5	16QAM	23.14	23.29
5MHz	50%,low	701.5	16QAM	22.76	22.91
5MHz	50% RB mid	701.5	16QAM	22.77	22.92
5MHz	50%,high	701.5	16QAM	22.60	22.75
5MHz	100% RB	701.5	16QAM	22.67	22.82
5MHz	1 RB low	707.5	QPSK	23.51	23.66
5MHz	1 RB mid	707.5	QPSK	23.65	23.80
5MHz	1 RB high	707.5	QPSK	23.83	23.98
5MHz	50%,low	707.5	QPSK	22.45	22.60
5MHz	50% RB mid	707.5	QPSK	22.55	22.70
5MHz	50%,high	707.5	QPSK	22.76	22.91
5MHz	100% RB	707.5	QPSK	22.61	22.76
5MHz	1 RB low	707.5	16QAM	22.61	22.76
5MHz	1 RB mid	707.5	16QAM	22.80	22.95
5MHz	1 RB high	707.5	16QAM	23.14	23.29

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5MHz	50%,low	707.5	16QAM	21.50	21.65
5MHz	50% RB mid	707.5	16QAM	21.62	21.77
5MHz	50%,high	707.5	16QAM	21.80	21.95
5MHz	100% RB	707.5	16QAM	21.71	21.86
5MHz	1 RB low	713.5	QPSK	24.25	24.40
5MHz	1 RB mid	713.5	QPSK	24.36	24.51
5MHz	1 RB high	713.5	QPSK	24.04	24.19
5MHz	50%,low	713.5	QPSK	23.45	23.60
5MHz	50% RB mid	713.5	QPSK	23.38	23.53
5MHz	50%,high	713.5	QPSK	23.27	23.42
5MHz	100% RB	713.5	QPSK	23.29	23.44
5MHz	1 RB low	713.5	16QAM	23.47	23.62
5MHz	1 RB mid	713.5	16QAM	23.65	23.80
5MHz	1 RB high	713.5	16QAM	23.33	23.48
5MHz	50%,low	713.5	16QAM	22.48	22.63
5MHz	50% RB mid	713.5	16QAM	22.52	22.67
5MHz	50%,high	713.5	16QAM	22.43	22.58
5MHz	100% RB	713.5	16QAM	22.41	22.56
10MHz	1 RB low	704	QPSK	24.30	24.45
10MHz	1 RB mid	704	QPSK	23.70	23.85
10MHz	1 RB high	704	QPSK	23.75	23.90
10MHz	50%,low	704	QPSK	23.30	23.45
10MHz	50% RB mid	704	QPSK	22.89	23.04
10MHz	50%,high	704	QPSK	22.75	22.90
10MHz	100% RB	704	QPSK	23.05	23.20
10MHz	1 RB low	707.5	QPSK	24.10	24.25
10MHz	1 RB mid	707.5	QPSK	23.68	23.83
10MHz	1 RB high	707.5	QPSK	24.13	24.28
10MHz	50%,low	707.5	QPSK	22.69	22.84
10MHz	50% RB mid	707.5	QPSK	22.72	22.87
10MHz	50%,high	707.5	QPSK	23.08	23.23
10MHz	100% RB	707.5	QPSK	23.00	23.15
10MHz	1 RB low	711	QPSK	23.54	23.69
10MHz	1 RB mid	711	QPSK	24.21	24.36
10MHz	1 RB high	711	QPSK	24.11	24.26
10MHz	50%,low	711	QPSK	23.09	23.24
10MHz	50% RB mid	711	QPSK	23.30	23.45
10MHz	50%,high	711	QPSK	23.38	23.53

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10MHz	100% RB	711	QPSK	23.25	23.40
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LTE band 13
ERP Limits 34.8dBm(3w)
Max ERP:23.38dBm

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Power (dBm)	Radiated Power(dBm) G _T = 0.15 dBd
5MHz	1 RB low	779.5	QPSK	22.70	22.85
5MHz	1 RB mid	779.5	QPSK	22.75	22.90
5MHz	1 RB high	779.5	QPSK	22.77	22.92
5MHz	50%,low	779.5	QPSK	22.83	22.98
5MHz	50% RB mid	779.5	QPSK	22.78	22.93
5MHz	50%,high	779.5	QPSK	22.87	23.02
5MHz	100% RB	779.5	QPSK	22.93	23.08
5MHz	1 RB low	779.5	16QAM	22.84	22.99
5MHz	1 RB mid	779.5	16QAM	22.81	22.96
5MHz	1 RB high	779.5	16QAM	22.87	23.02
5MHz	50%,low	779.5	16QAM	22.92	23.07
5MHz	50% RB mid	779.5	16QAM	22.91	23.06
5MHz	50%,high	779.5	16QAM	22.92	23.07
5MHz	100% RB	779.5	16QAM	22.85	23.00
5MHz	1 RB low	782	QPSK	23.18	23.33
5MHz	1 RB mid	782	QPSK	23.04	23.19
5MHz	1 RB high	782	QPSK	22.97	23.12
5MHz	50%,low	782	QPSK	23.10	23.25
5MHz	50% RB mid	782	QPSK	23.04	23.19
5MHz	50%,high	782	QPSK	22.96	23.11
5MHz	100% RB	782	QPSK	23.01	23.16
5MHz	1 RB low	782	16QAM	22.64	22.79
5MHz	1 RB mid	782	16QAM	23.04	23.19
5MHz	1 RB high	782	16QAM	22.96	23.11
5MHz	50%,low	782	16QAM	23.02	23.17
5MHz	50% RB mid	782	16QAM	23.01	23.16
5MHz	50%,high	782	16QAM	22.98	23.13
5MHz	100% RB	782	16QAM	23.06	23.21
5MHz	1 RB low	784.5	QPSK	23.10	23.25
5MHz	1 RB mid	784.5	QPSK	23.11	23.26
5MHz	1 RB high	784.5	QPSK	23.04	23.19
5MHz	50%,low	784.5	QPSK	23.00	23.15

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5MHz	50% RB mid	784.5	QPSK	22.99	23.14
5MHz	50%,high	784.5	QPSK	22.97	23.12
5MHz	100% RB	784.5	QPSK	23.02	23.17
5MHz	1 RB low	784.5	16QAM	22.69	22.84
5MHz	1 RB mid	784.5	16QAM	22.77	22.92
5MHz	1 RB high	784.5	16QAM	22.58	22.73
5MHz	50%,low	784.5	16QAM	23.08	23.23
5MHz	50% RB mid	784.5	16QAM	23.08	23.23
5MHz	50%,high	784.5	16QAM	23.05	23.20
5MHz	100% RB	784.5	16QAM	23.00	23.15
10MHz	1 RB low	782	QPSK	23.23	23.38
10MHz	1 RB mid	782	QPSK	22.95	23.10
10MHz	1 RB high	782	QPSK	23.01	23.16
10MHz	50%,low	782	QPSK	23.11	23.26
10MHz	50% RB mid	782	QPSK	23.14	23.29
10MHz	50%,high	782	QPSK	23.04	23.19
10MHz	100% RB	782	QPSK	23.22	23.37

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LTE band 66
EIRP Limits 30dBm(1w)
Max EIRP:26.05dBm

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Power (dBm)	Radiated Power(dBm) G _T =2.3 dBi
1.4MHz	1 RB low	1710.7	QPSK	23.21	25.51
1.4MHz	1 RB mid	1710.7	QPSK	23.10	25.40
1.4MHz	1 RB high	1710.7	QPSK	23.05	25.35
1.4MHz	50%,low	1710.7	QPSK	23.13	25.43
1.4MHz	50% RB mid	1710.7	QPSK	23.00	25.30
1.4MHz	50%,high	1710.7	QPSK	23.15	25.45
1.4MHz	100% RB	1710.7	QPSK	22.11	24.41
1.4MHz	1 RB low	1710.7	16QAM	22.28	24.58
1.4MHz	1 RB mid	1710.7	16QAM	22.33	24.63
1.4MHz	1 RB high	1710.7	16QAM	22.28	24.58
1.4MHz	50%,low	1710.7	16QAM	23.14	25.44
1.4MHz	50% RB mid	1710.7	16QAM	22.20	24.50
1.4MHz	50%,high	1710.7	16QAM	23.10	25.40
1.4MHz	100% RB	1710.7	16QAM	21.17	23.47
1.4MHz	1 RB low	1745	QPSK	23.53	25.83
1.4MHz	1 RB mid	1745	QPSK	23.49	25.79
1.4MHz	1 RB high	1745	QPSK	23.49	25.79
1.4MHz	50%,low	1745	QPSK	23.45	25.75
1.4MHz	50% RB mid	1745	QPSK	23.47	25.77
1.4MHz	50%,high	1745	QPSK	23.43	25.73
1.4MHz	100% RB	1745	QPSK	22.48	24.78
1.4MHz	1 RB low	1745	16QAM	22.54	24.84
1.4MHz	1 RB mid	1745	16QAM	22.60	24.90
1.4MHz	1 RB high	1745	16QAM	22.55	24.85
1.4MHz	50%,low	1745	16QAM	23.47	25.77
1.4MHz	50% RB mid	1745	16QAM	22.54	24.84
1.4MHz	50%,high	1745	16QAM	23.46	25.76
1.4MHz	100% RB	1745	16QAM	21.65	23.95
1.4MHz	1 RB low	1779.3	QPSK	23.22	25.52
1.4MHz	1 RB mid	1779.3	QPSK	23.13	25.43
1.4MHz	1 RB high	1779.3	QPSK	23.23	25.53
1.4MHz	50%,low	1779.3	QPSK	23.31	25.61

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1.4MHz	50% RB mid	1779.3	QPSK	23.20	25.50
1.4MHz	50%,high	1779.3	QPSK	23.29	25.59
1.4MHz	100% RB	1779.3	QPSK	22.20	24.50
1.4MHz	1 RB low	1779.3	16QAM	22.32	24.62
1.4MHz	1 RB mid	1779.3	16QAM	22.34	24.64
1.4MHz	1 RB high	1779.3	16QAM	22.27	24.57
1.4MHz	50%,low	1779.3	16QAM	23.31	25.61
1.4MHz	50% RB mid	1779.3	16QAM	22.25	24.55
1.4MHz	50%,high	1779.3	16QAM	23.30	25.60
1.4MHz	100% RB	1779.3	16QAM	21.31	23.61
3MHz	1 RB low	1711.5	QPSK	22.80	25.10
3MHz	1 RB mid	1711.5	QPSK	22.94	25.24
3MHz	1 RB high	1711.5	QPSK	22.80	25.10
3MHz	50%,low	1711.5	QPSK	22.95	25.25
3MHz	50% RB mid	1711.5	QPSK	22.14	24.44
3MHz	50%,high	1711.5	QPSK	23.03	25.33
3MHz	100% RB	1711.5	QPSK	22.01	24.31
3MHz	1 RB low	1711.5	16QAM	22.15	24.45
3MHz	1 RB mid	1711.5	16QAM	22.37	24.67
3MHz	1 RB high	1711.5	16QAM	22.16	24.46
3MHz	50%,low	1711.5	16QAM	22.99	25.29
3MHz	50% RB mid	1711.5	16QAM	21.18	23.48
3MHz	50%,high	1711.5	16QAM	22.99	25.29
3MHz	100% RB	1711.5	16QAM	21.10	23.40
3MHz	1 RB low	1745	QPSK	23.36	25.66
3MHz	1 RB mid	1745	QPSK	23.49	25.79
3MHz	1 RB high	1745	QPSK	23.35	25.65
3MHz	50%,low	1745	QPSK	23.32	25.62
3MHz	50% RB mid	1745	QPSK	22.43	24.73
3MHz	50%,high	1745	QPSK	23.32	25.62
3MHz	100% RB	1745	QPSK	22.38	24.68
3MHz	1 RB low	1745	16QAM	22.37	24.67
3MHz	1 RB mid	1745	16QAM	22.54	24.84
3MHz	1 RB high	1745	16QAM	22.39	24.69
3MHz	50%,low	1745	16QAM	23.33	25.63
3MHz	50% RB mid	1745	16QAM	21.58	23.88
3MHz	50%,high	1745	16QAM	23.34	25.64
3MHz	100% RB	1745	16QAM	21.43	23.73

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3MHz	1 RB low	1778.5	QPSK	23.09	25.39
3MHz	1 RB mid	1778.5	QPSK	23.23	25.53
3MHz	1 RB high	1778.5	QPSK	23.12	25.42
3MHz	50%,low	1778.5	QPSK	23.21	25.51
3MHz	50% RB mid	1778.5	QPSK	22.25	24.55
3MHz	50%,high	1778.5	QPSK	23.21	25.51
3MHz	100% RB	1778.5	QPSK	22.18	24.48
3MHz	1 RB low	1778.5	16QAM	22.15	24.45
3MHz	1 RB mid	1778.5	16QAM	22.38	24.68
3MHz	1 RB high	1778.5	16QAM	22.19	24.49
3MHz	50%,low	1778.5	16QAM	23.21	25.51
3MHz	50% RB mid	1778.5	16QAM	21.30	23.60
3MHz	50%,high	1778.5	16QAM	23.22	25.52
3MHz	100% RB	1778.5	16QAM	21.32	23.62
5MHz	1 RB low	1712.5	QPSK	23.15	25.45
5MHz	1 RB mid	1712.5	QPSK	23.20	25.50
5MHz	1 RB high	1712.5	QPSK	23.03	25.33
5MHz	50%,low	1712.5	QPSK	22.19	24.49
5MHz	50% RB mid	1712.5	QPSK	22.19	24.49
5MHz	50%,high	1712.5	QPSK	22.15	24.45
5MHz	100% RB	1712.5	QPSK	22.17	24.47
5MHz	1 RB low	1712.5	16QAM	22.09	24.39
5MHz	1 RB mid	1712.5	16QAM	22.11	24.41
5MHz	1 RB high	1712.5	16QAM	22.04	24.34
5MHz	50%,low	1712.5	16QAM	21.29	23.59
5MHz	50% RB mid	1712.5	16QAM	21.30	23.60
5MHz	50%,high	1712.5	16QAM	21.30	23.60
5MHz	100% RB	1712.5	16QAM	21.27	23.57
5MHz	1 RB low	1745	QPSK	23.66	25.96
5MHz	1 RB mid	1745	QPSK	23.62	25.92
5MHz	1 RB high	1745	QPSK	23.54	25.84
5MHz	50%,low	1745	QPSK	22.56	24.86
5MHz	50% RB mid	1745	QPSK	22.61	24.91
5MHz	50%,high	1745	QPSK	22.71	25.01
5MHz	100% RB	1745	QPSK	22.67	24.97
5MHz	1 RB low	1745	16QAM	22.82	25.12
5MHz	1 RB mid	1745	16QAM	22.80	25.10
5MHz	1 RB high	1745	16QAM	22.77	25.07

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5MHz	50%,low	1745	16QAM	21.71	24.01
5MHz	50% RB mid	1745	16QAM	21.67	23.97
5MHz	50%,high	1745	16QAM	21.71	24.01
5MHz	100% RB	1745	16QAM	21.73	24.03
5MHz	1 RB low	1777.5	QPSK	23.26	25.56
5MHz	1 RB mid	1777.5	QPSK	23.41	25.71
5MHz	1 RB high	1777.5	QPSK	23.33	25.63
5MHz	50%,low	1777.5	QPSK	22.27	24.57
5MHz	50% RB mid	1777.5	QPSK	22.33	24.63
5MHz	50%,high	1777.5	QPSK	22.36	24.66
5MHz	100% RB	1777.5	QPSK	22.29	24.59
5MHz	1 RB low	1777.5	16QAM	22.55	24.85
5MHz	1 RB mid	1777.5	16QAM	22.66	24.96
5MHz	1 RB high	1777.5	16QAM	22.58	24.88
5MHz	50%,low	1777.5	16QAM	21.43	23.73
5MHz	50% RB mid	1777.5	16QAM	21.49	23.79
5MHz	50%,high	1777.5	16QAM	21.52	23.82
5MHz	100% RB	1777.5	16QAM	21.42	23.72
10MHz	1 RB low	1715	QPSK	23.07	25.37
10MHz	1 RB mid	1715	QPSK	23.08	25.38
10MHz	1 RB high	1715	QPSK	22.92	25.22
10MHz	50%,low	1715	QPSK	22.33	24.63
10MHz	50% RB mid	1715	QPSK	22.28	24.58
10MHz	50%,high	1715	QPSK	22.18	24.48
10MHz	100% RB	1715	QPSK	22.24	24.54
10MHz	1 RB low	1745	QPSK	23.63	25.93
10MHz	1 RB mid	1745	QPSK	23.71	26.01
10MHz	1 RB high	1745	QPSK	23.61	25.91
10MHz	50%,low	1745	QPSK	22.73	25.03
10MHz	50% RB mid	1745	QPSK	22.74	25.04
10MHz	50%,high	1745	QPSK	22.70	25.00
10MHz	100% RB	1745	QPSK	22.73	25.03
10MHz	1 RB low	1775	QPSK	23.34	25.64
10MHz	1 RB mid	1775	QPSK	23.30	25.60
10MHz	1 RB high	1775	QPSK	23.40	25.70
10MHz	50%,low	1775	QPSK	22.39	24.69
10MHz	50% RB mid	1775	QPSK	22.40	24.70
10MHz	50%,high	1775	QPSK	22.46	24.76

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10MHz	100% RB	1775	QPSK	22.43	24.73
15MHz	1 RB low	1717.5	QPSK	23.07	25.37
15MHz	1 RB mid	1717.5	QPSK	23.03	25.33
15MHz	1 RB high	1717.5	QPSK	22.94	25.24
15MHz	50%,low	1717.5	QPSK	22.40	24.70
15MHz	50% RB mid	1717.5	QPSK	22.29	24.59
15MHz	50%,high	1717.5	QPSK	22.25	24.55
15MHz	100% RB	1717.5	QPSK	22.29	24.59
15MHz	1 RB low	1745	QPSK	23.63	25.93
15MHz	1 RB mid	1745	QPSK	23.70	26.00
15MHz	1 RB high	1745	QPSK	23.47	25.77
15MHz	50%,low	1745	QPSK	22.74	25.04
15MHz	50% RB mid	1745	QPSK	22.74	25.04
15MHz	50%,high	1745	QPSK	22.68	24.98
15MHz	100% RB	1745	QPSK	22.71	25.01
15MHz	1 RB low	1772.5	QPSK	23.16	25.46
15MHz	1 RB mid	1772.5	QPSK	23.40	25.70
15MHz	1 RB high	1772.5	QPSK	23.48	25.78
15MHz	50%,low	1772.5	QPSK	22.43	24.73
15MHz	50% RB mid	1772.5	QPSK	22.53	24.83
15MHz	50%,high	1772.5	QPSK	22.58	24.88
15MHz	100% RB	1772.5	QPSK	22.50	24.80
20MHz	1 RB low	1720	QPSK	23.33	25.63
20MHz	1 RB mid	1720	QPSK	23.12	25.42
20MHz	1 RB high	1720	QPSK	23.13	25.43
20MHz	50%,low	1720	QPSK	22.29	24.59
20MHz	50% RB mid	1720	QPSK	22.22	24.52
20MHz	50%,high	1720	QPSK	22.22	24.52
20MHz	100% RB	1720	QPSK	22.22	24.52
20MHz	1 RB low	1745	QPSK	23.60	25.90
20MHz	1 RB mid	1745	QPSK	23.75	26.05
20MHz	1 RB high	1745	QPSK	23.58	25.88
20MHz	50%,low	1745	QPSK	22.85	25.15
20MHz	50% RB mid	1745	QPSK	22.86	25.16
20MHz	50%,high	1745	QPSK	22.79	25.09
20MHz	100% RB	1745	QPSK	22.84	25.14
20MHz	1 RB low	1770	QPSK	23.30	25.60
20MHz	1 RB mid	1770	QPSK	23.47	25.77

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20MHz	1 RB high	1770	QPSK	23.57	25.87
20MHz	50%,low	1770	QPSK	22.34	24.64
20MHz	50% RB mid	1770	QPSK	22.51	24.81
20MHz	50%,high	1770	QPSK	22.60	24.90
20MHz	100% RB	1770	QPSK	22.49	24.79

LTE band 71
ERP Limits 34.8dBm(3w)
Max ERP:24..83dBm

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Power (dBm)	Radiated Power(dBm) $G_T = 0.15\text{dBd}$
5MHz	1 RB low	665.5	QPSK	23.57	23.72
5MHz	1 RB mid	665.5	QPSK	24.01	24.16
5MHz	1 RB high	665.5	QPSK	23.81	23.96
5MHz	50%,low	665.5	QPSK	22.85	23.00
5MHz	50% RB mid	665.5	QPSK	22.99	23.14
5MHz	50%,high	665.5	QPSK	23.06	23.21
5MHz	100% RB	665.5	QPSK	22.91	23.06
5MHz	1 RB low	665.5	16QAM	22.63	22.78
5MHz	1 RB mid	665.5	16QAM	22.98	23.13
5MHz	1 RB high	665.5	16QAM	22.86	23.01
5MHz	50%,low	665.5	16QAM	21.83	21.98
5MHz	50% RB mid	665.5	16QAM	22.01	22.16
5MHz	50%,high	665.5	16QAM	22.13	22.28
5MHz	100% RB	665.5	16QAM	21.97	22.12
5MHz	1 RB low	680.5	QPSK	23.51	23.66
5MHz	1 RB mid	680.5	QPSK	24.04	24.19
5MHz	1 RB high	680.5	QPSK	24.31	24.46
5MHz	50%,low	680.5	QPSK	22.86	23.01
5MHz	50% RB mid	680.5	QPSK	23.13	23.28
5MHz	50%,high	680.5	QPSK	23.32	23.47
5MHz	100% RB	680.5	QPSK	23.14	23.29
5MHz	1 RB low	680.5	16QAM	22.69	22.84
5MHz	1 RB mid	680.5	16QAM	23.30	23.45
5MHz	1 RB high	680.5	16QAM	23.48	23.63
5MHz	50%,low	680.5	16QAM	22.01	22.16
5MHz	50% RB mid	680.5	16QAM	22.28	22.43
5MHz	50%,high	680.5	16QAM	22.42	22.57
5MHz	100% RB	680.5	16QAM	22.20	22.35
5MHz	1 RB low	695.5	QPSK	24.09	24.24
5MHz	1 RB mid	695.5	QPSK	24.44	24.59
5MHz	1 RB high	695.5	QPSK	24.53	24.68
5MHz	50%,low	695.5	QPSK	23.20	23.35

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5MHz	50% RB mid	695.5	QPSK	23.36	23.51
5MHz	50%,high	695.5	QPSK	23.44	23.59
5MHz	100% RB	695.5	QPSK	23.33	23.48
5MHz	1 RB low	695.5	16QAM	23.34	23.49
5MHz	1 RB mid	695.5	16QAM	23.67	23.82
5MHz	1 RB high	695.5	16QAM	23.74	23.89
5MHz	50%,low	695.5	16QAM	22.32	22.47
5MHz	50% RB mid	695.5	16QAM	22.50	22.65
5MHz	50%,high	695.5	16QAM	22.56	22.71
5MHz	100% RB	695.5	16QAM	22.42	22.57
10MHz	1 RB low	668	QPSK	23.52	23.67
10MHz	1 RB mid	668	QPSK	23.75	23.90
10MHz	1 RB high	668	QPSK	23.54	23.69
10MHz	50%,low	668	QPSK	22.99	23.14
10MHz	50% RB mid	668	QPSK	23.15	23.30
10MHz	50%,high	668	QPSK	23.01	23.16
10MHz	100% RB	668	QPSK	23.02	23.17
10MHz	1 RB low	680.5	QPSK	23.40	23.55
10MHz	1 RB mid	680.5	QPSK	24.09	24.24
10MHz	1 RB high	680.5	QPSK	24.67	24.82
10MHz	50%,low	680.5	QPSK	22.76	22.91
10MHz	50% RB mid	680.5	QPSK	23.19	23.34
10MHz	50%,high	680.5	QPSK	23.60	23.75
10MHz	100% RB	680.5	QPSK	23.23	23.38
10MHz	1 RB low	693	QPSK	24.12	24.27
10MHz	1 RB mid	693	QPSK	23.97	24.12
10MHz	1 RB high	693	QPSK	24.43	24.58
10MHz	50%,low	693	QPSK	22.99	23.14
10MHz	50% RB mid	693	QPSK	23.04	23.19
10MHz	50%,high	693	QPSK	23.30	23.45
10MHz	100% RB	693	QPSK	23.15	23.30
15MHz	1 RB low	670.5	QPSK	23.53	23.68
15MHz	1 RB mid	670.5	QPSK	23.93	24.08
15MHz	1 RB high	670.5	QPSK	23.24	23.39
15MHz	50%,low	670.5	QPSK	23.16	23.31
15MHz	50% RB mid	670.5	QPSK	23.05	23.20
15MHz	50%,high	670.5	QPSK	22.72	22.87
15MHz	100% RB	670.5	QPSK	23.01	23.16

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15MHz	1 RB low	680.5	QPSK	23.57	23.72
15MHz	1 RB mid	680.5	QPSK	24.21	24.36
15MHz	1 RB high	680.5	QPSK	24.34	24.49
15MHz	50%,low	680.5	QPSK	22.69	22.84
15MHz	50% RB mid	680.5	QPSK	23.22	23.37
15MHz	50%,high	680.5	QPSK	23.68	23.83
15MHz	100% RB	680.5	QPSK	23.21	23.36
15MHz	1 RB low	690.5	QPSK	24.68	24.83
15MHz	1 RB mid	690.5	QPSK	24.07	24.22
15MHz	1 RB high	690.5	QPSK	24.40	24.55
15MHz	50%,low	690.5	QPSK	23.45	23.60
15MHz	50% RB mid	690.5	QPSK	23.18	23.33
15MHz	50%,high	690.5	QPSK	23.29	23.44
15MHz	100% RB	690.5	QPSK	23.39	23.54
20MHz	1 RB low	673	QPSK	23.54	23.69
20MHz	1 RB mid	673	QPSK	23.67	23.82
20MHz	1 RB high	673	QPSK	24.41	24.56
20MHz	50%,low	673	QPSK	23.01	23.16
20MHz	50% RB mid	673	QPSK	22.74	22.89
20MHz	50%,high	673	QPSK	22.70	22.85
20MHz	100% RB	673	QPSK	22.98	23.13
20MHz	1 RB low	683	QPSK	23.49	23.64
20MHz	1 RB mid	683	QPSK	24.61	24.76
20MHz	1 RB high	683	QPSK	23.87	24.02
20MHz	50%,low	683	QPSK	22.91	23.06
20MHz	50% RB mid	683	QPSK	23.52	23.67
20MHz	50%,high	683	QPSK	23.44	23.59
20MHz	100% RB	683	QPSK	23.27	23.42
20MHz	1 RB low	688	QPSK	23.85	24.00
20MHz	1 RB mid	688	QPSK	24.35	24.50
20MHz	1 RB high	688	QPSK	24.45	24.60
20MHz	50%,low	688	QPSK	23.51	23.66
20MHz	50% RB mid	688	QPSK	23.44	23.59
20MHz	50%,high	688	QPSK	23.29	23.44
20MHz	100% RB	688	QPSK	23.48	23.63

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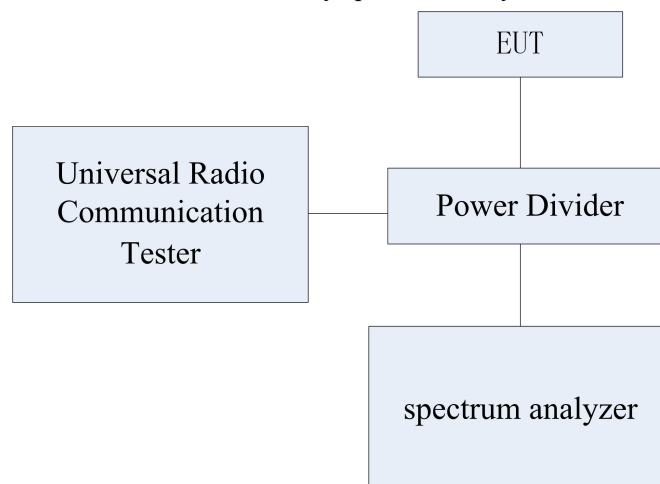
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6.4. Occupied Bandwidth

Specifications:	FCC Part 2.1049
DUT Serial Number:	IMEI:865357069912010
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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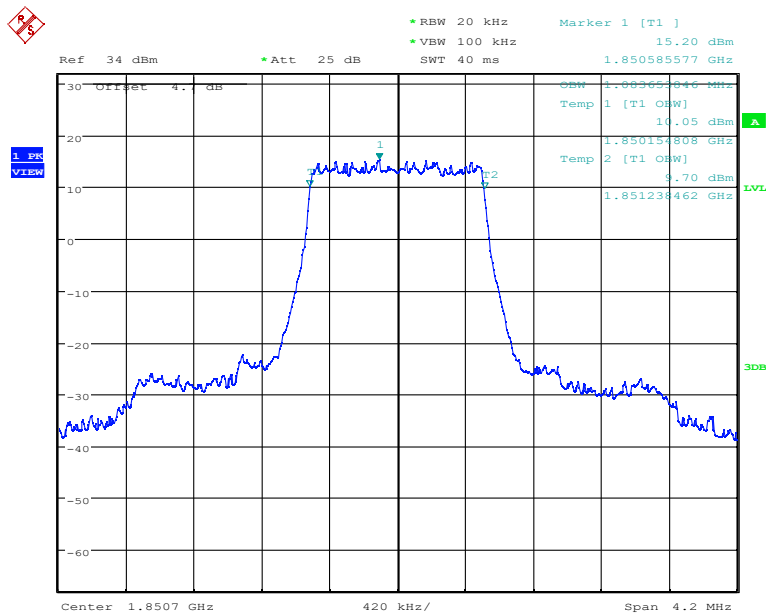
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6.4.1 occupied bandwidth Results

LTE band 2,1.4MHz(99%)

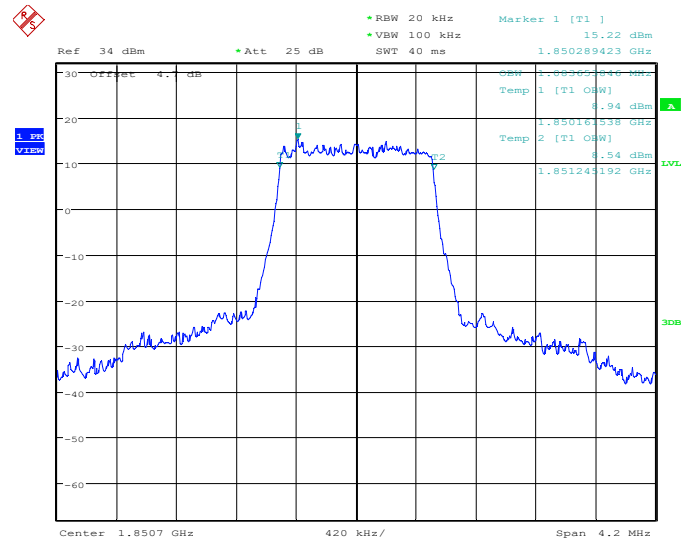
Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1850.7	1.084	1.084
1880	1.090	1.090
1909.3	1.090	1.090

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



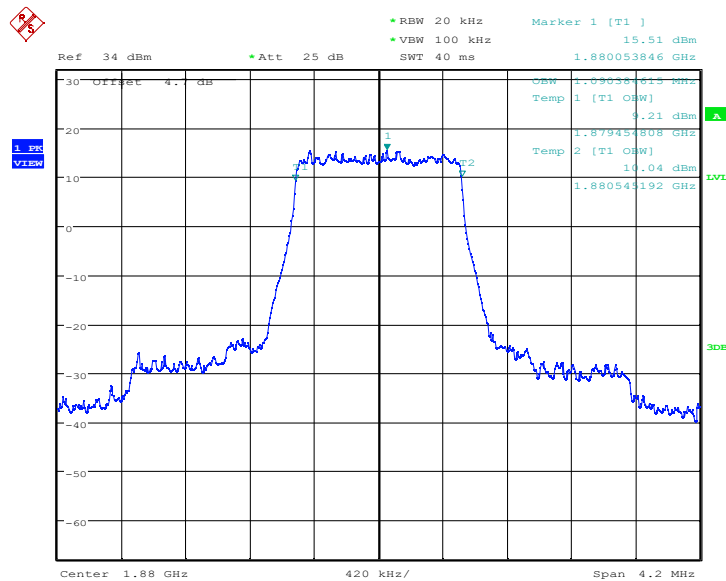
Date: 8.MAY.2024 13:37:07

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



Date: 8.MAY.2024 13:37:32

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

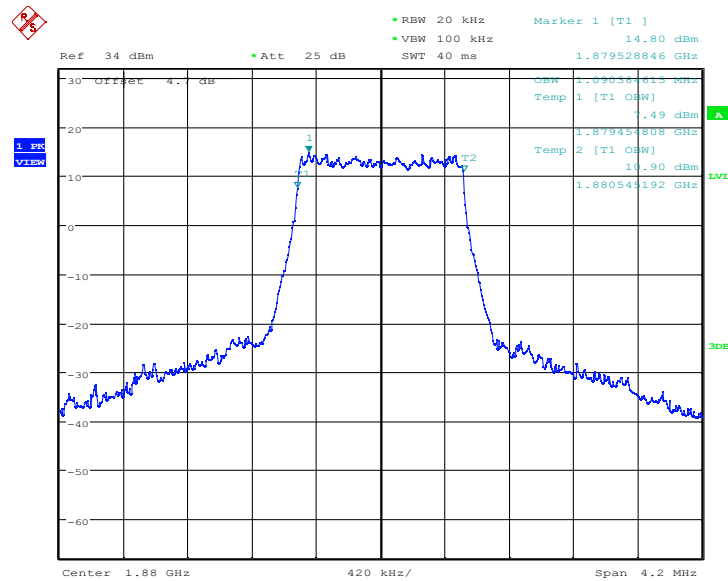


Date: 8.MAY.2024 13:37:58

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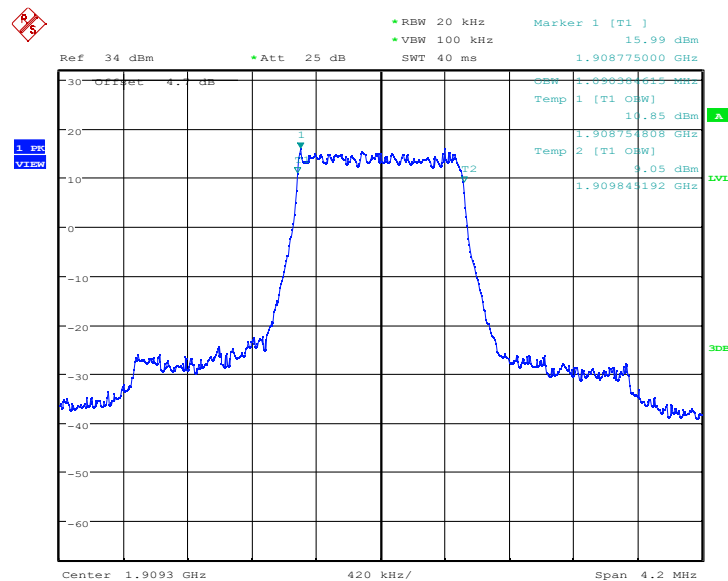
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LTE band 2 , 1.4MHz Bandwidth,MID,16QAM (99% BW)



Date: 8.MAY.2024 13:38:21

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

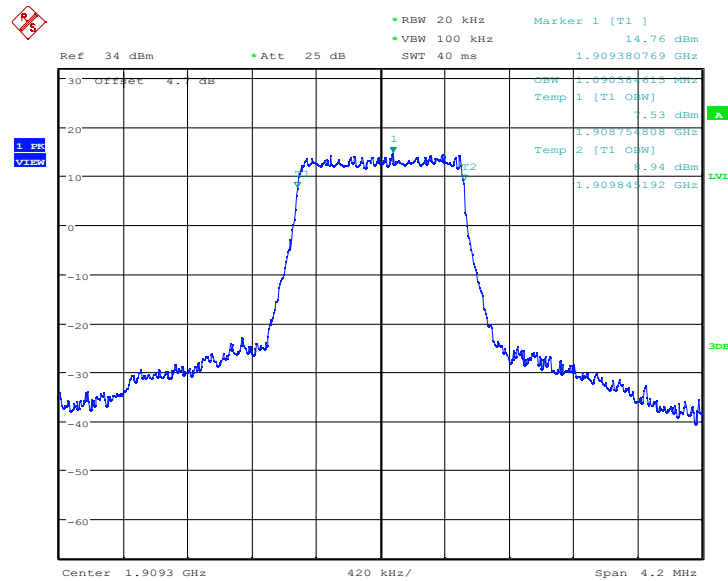


Date: 8.MAY.2024 13:38:47

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



Date: 8.MAY.2024 13:39:12

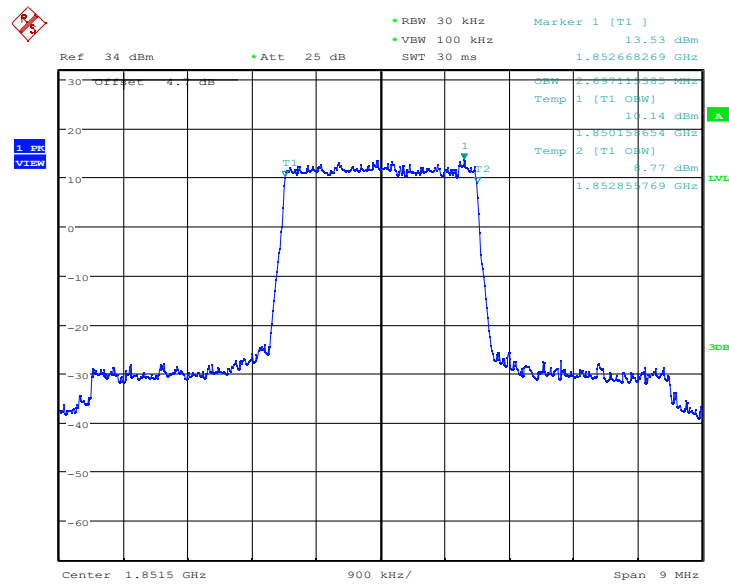
LTE band 2,3MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1851.5	2.697	2.697
1880	2.697	2.697
1908.5	2.697	2.683

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

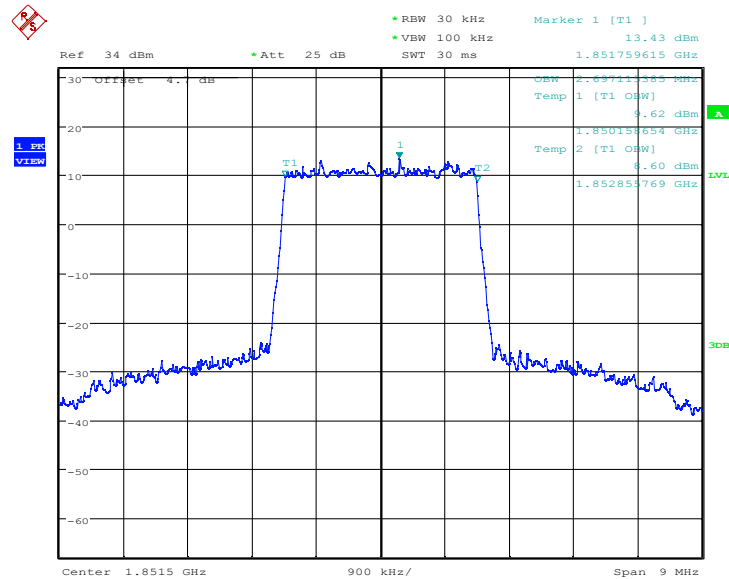
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Date: 8.MAY.2024 13:40:10

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

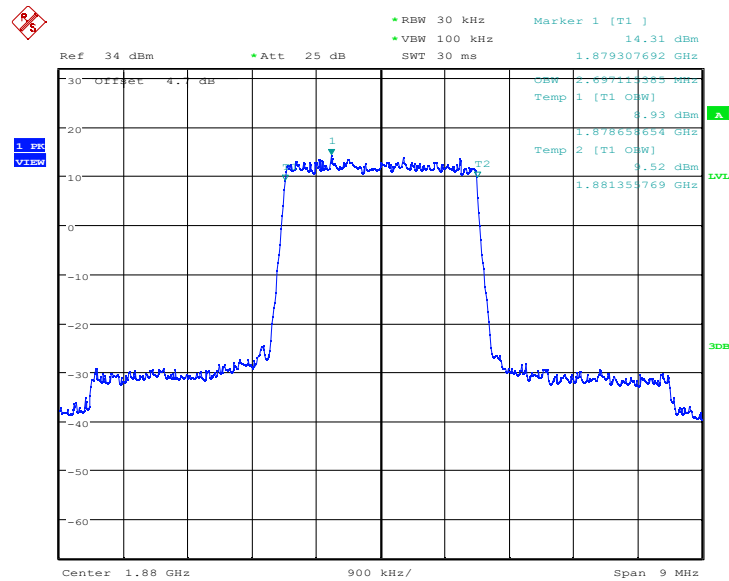


Date: 8.MAY.2024 13:40:36

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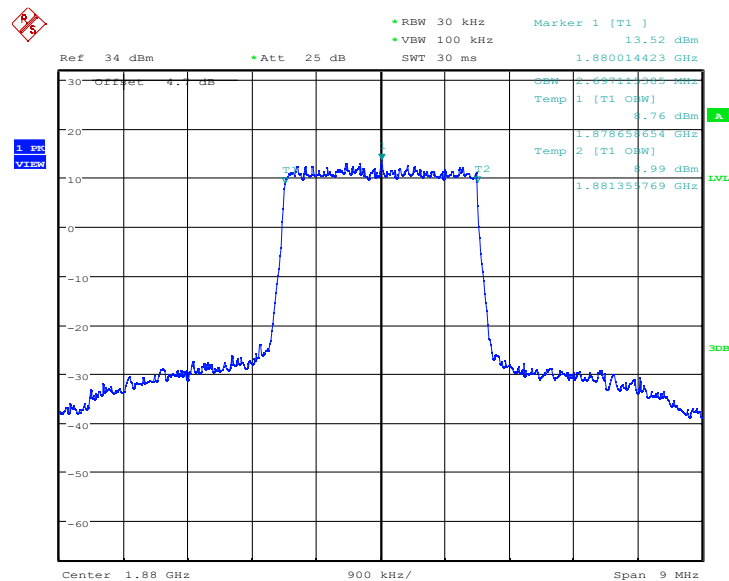
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LTE band 2 , 3MHz Bandwidth,MID,QPSK (99% BW)



Date: 8.MAY.2024 13:41:02

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

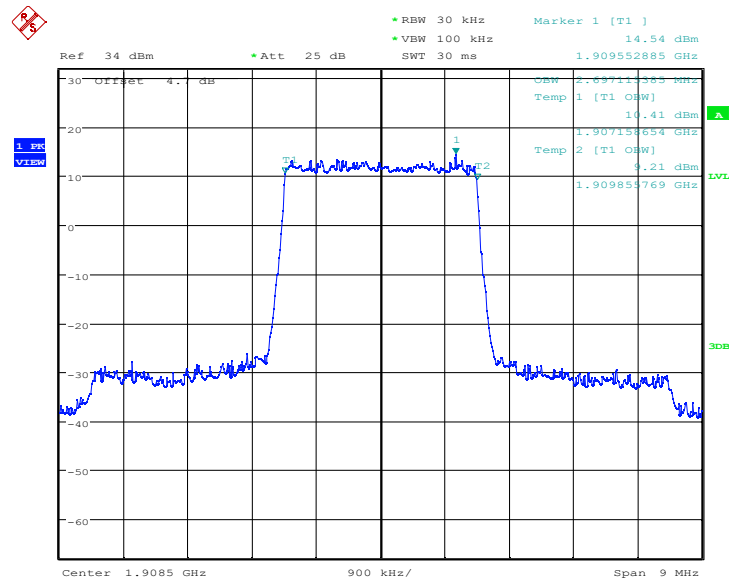


Date: 8.MAY.2024 13:41:24

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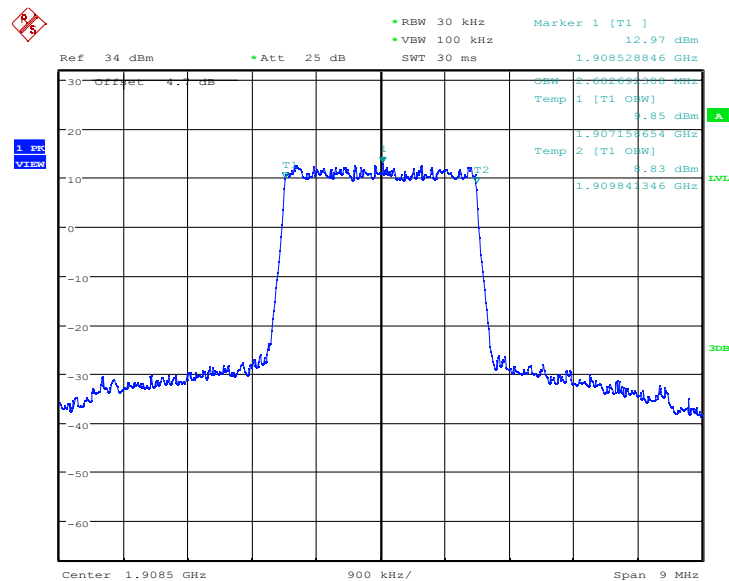
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LTE band 2 , 3MHz Bandwidth,HIGH,QPSK (99% BW)



Date: 8.MAY.2024 13:41:50

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



Date: 8.MAY.2024 13:42:13

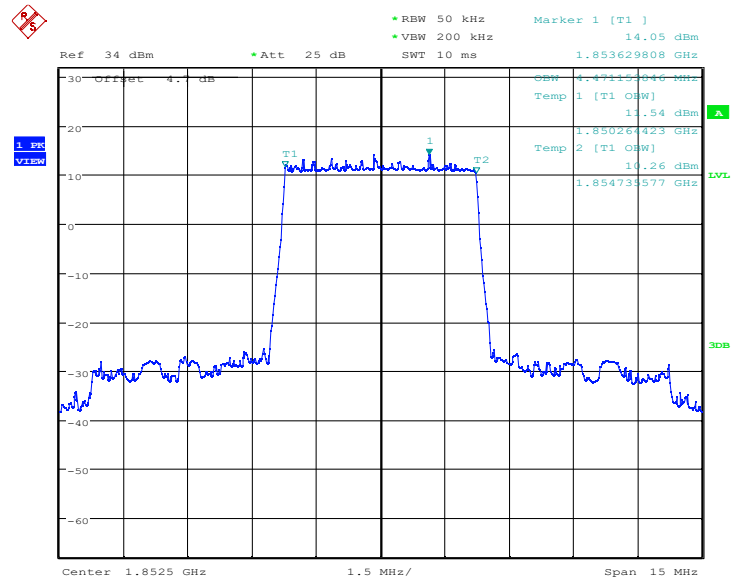
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LTE band 2,5MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1852.5	4.471	4.471
1880	4.495	4.495
1907.5	4.471	4.471

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

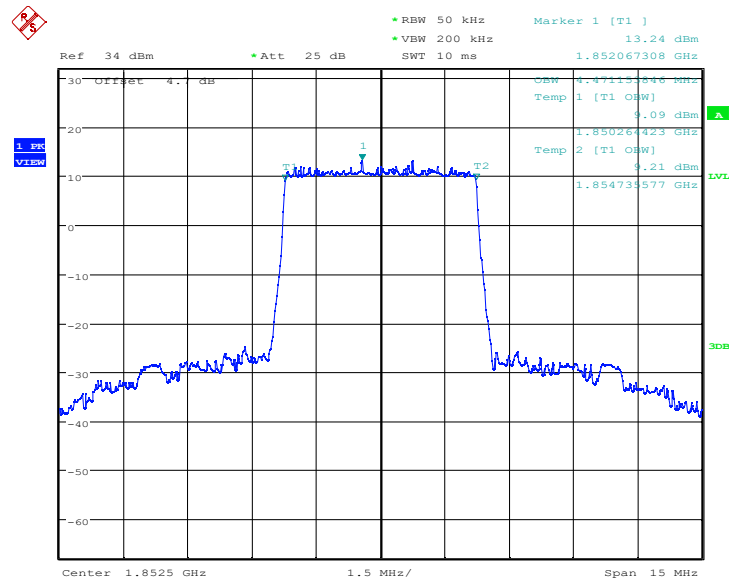


Date: 8.MAY.2024 13:43:10

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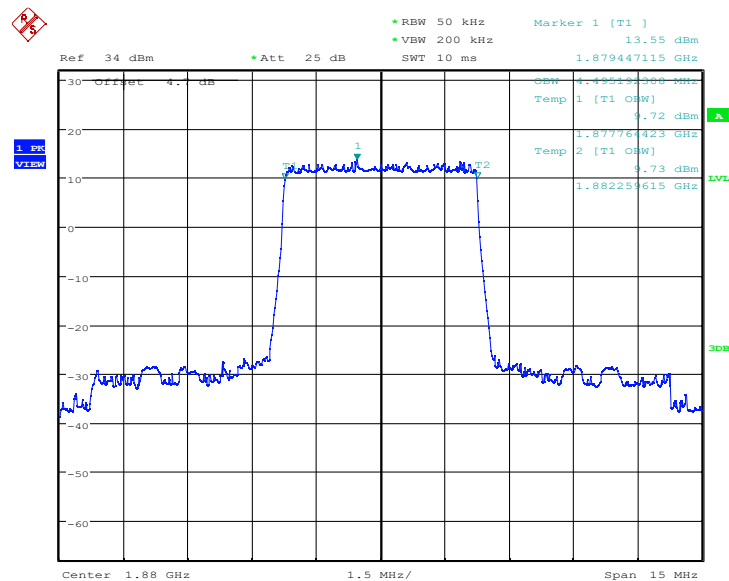
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LTE band 2 , 5MHz Bandwidth,LOW,16QAM (99% BW)



Date: 8.MAY.2024 13:43:31

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

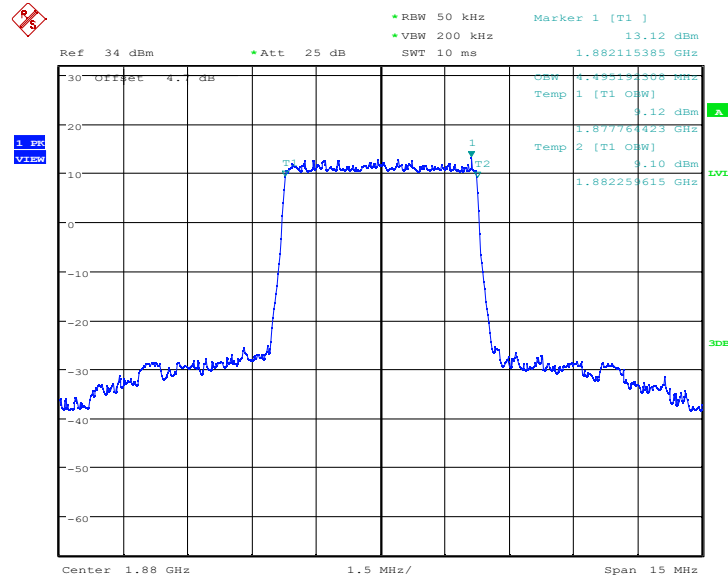


Date: 8.MAY.2024 13:43:57

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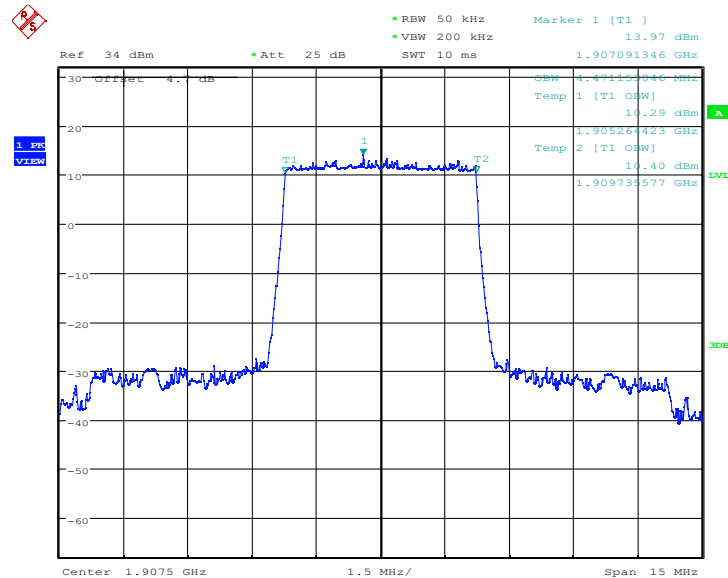
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LTE band 2 , 5MHz Bandwidth,MID,16QAM (99% BW)



Date: 8.MAY.2024 13:44:18

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

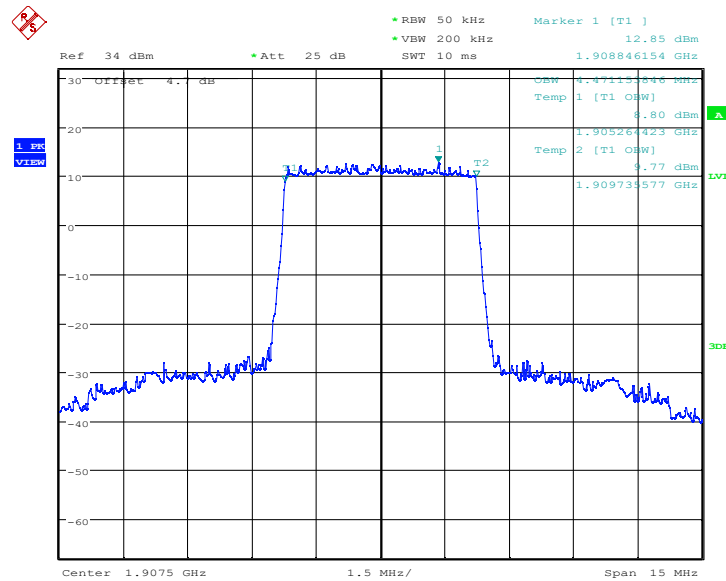


Date: 8.MAY.2024 13:44:44

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



Date: 8.MAY.2024 13:45:06

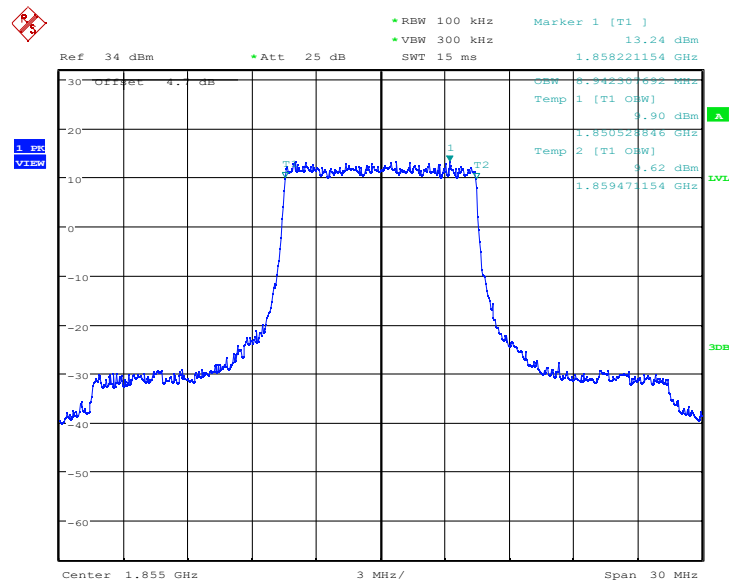
LTE band 2,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)
	QPSK
1855	8.942
1880	8.990
1905	8.990

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

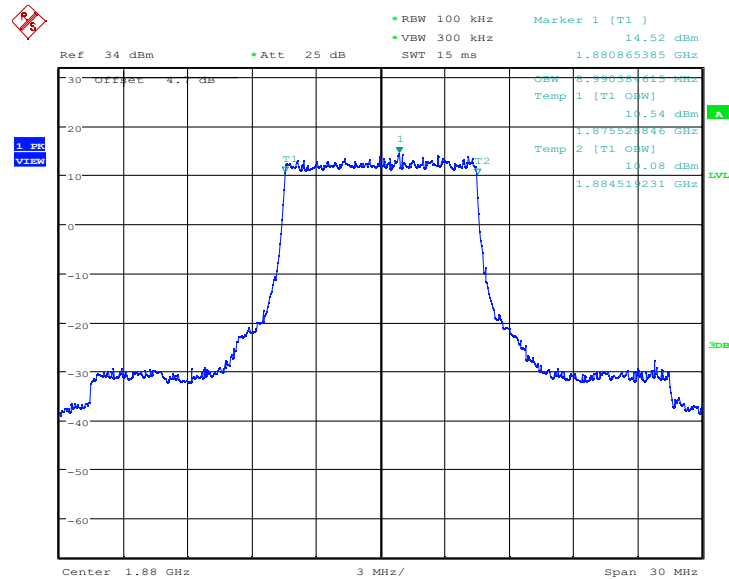
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Date: 8.MAY.2024 13:46:11

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

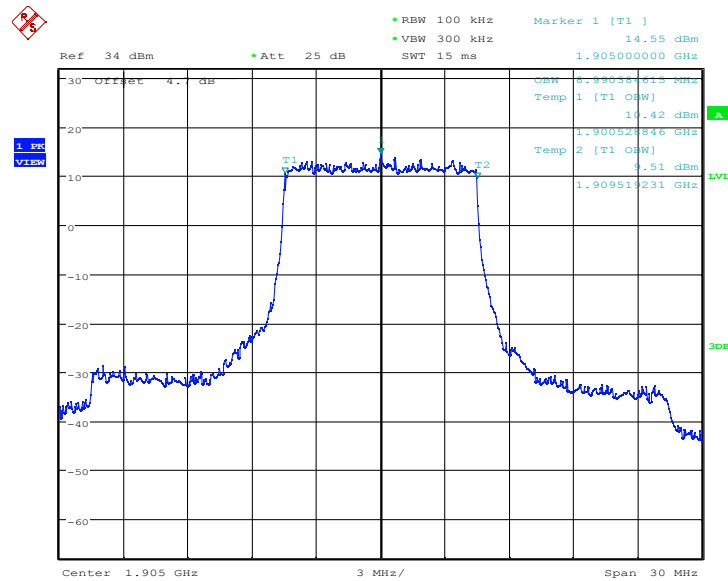


Date: 8.MAY.2024 13:46:37

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



Date: 8.MAY.2024 13:47:03

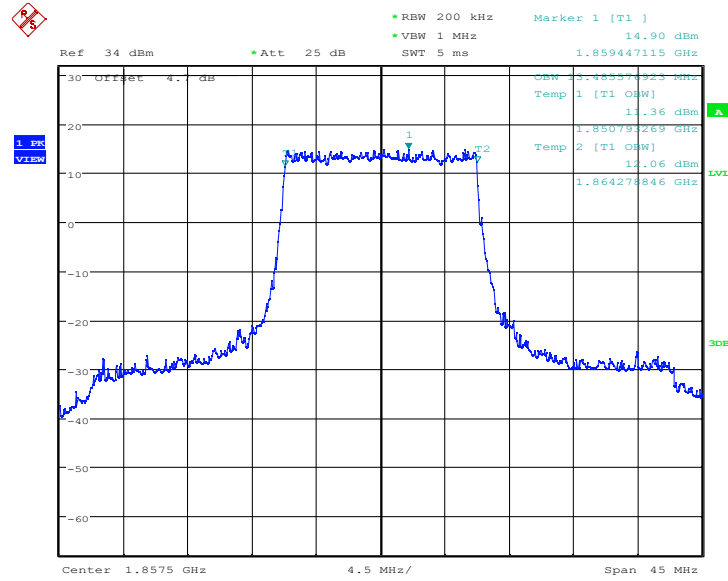
LTE band 2,15MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)
	QPSK
1857.5	13.486
1880	13.486
1902.5	13.558

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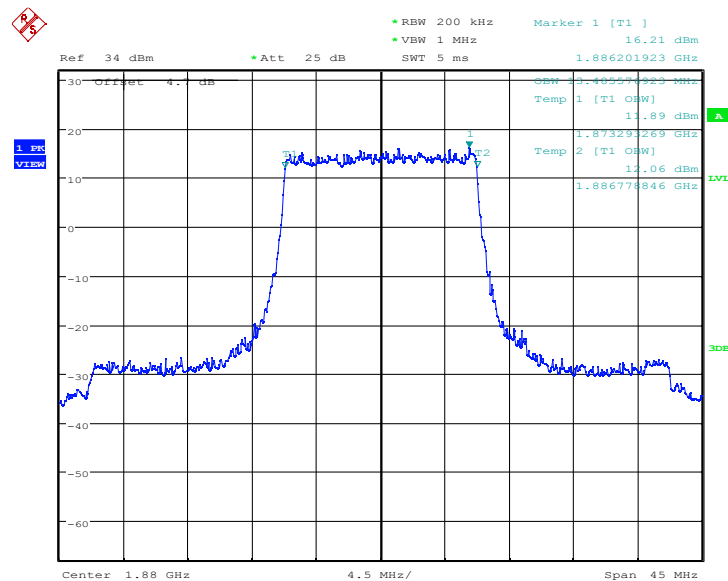
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LTE band 2 , 15MHz Bandwidth,LOW,QPSK (99% BW)



Date: 8.MAY.2024 13:48:08

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

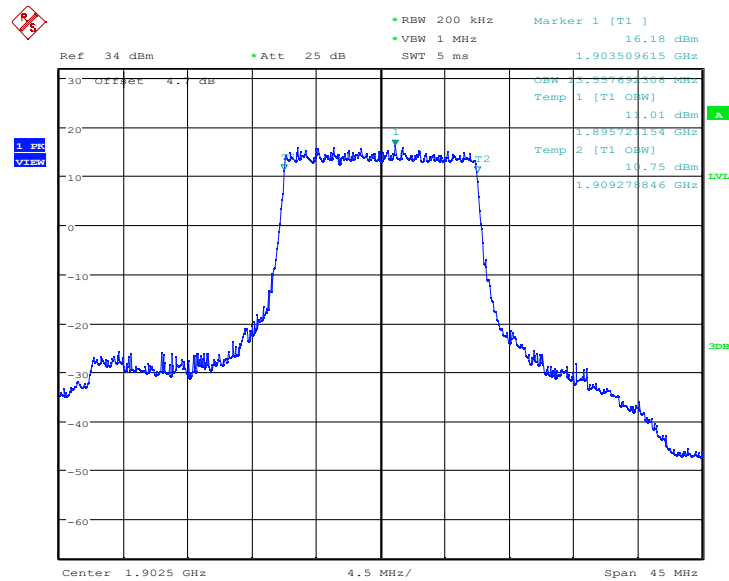


Date: 8.MAY.2024 13:48:34

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



Date: 8.MAY.2024 13:49:01

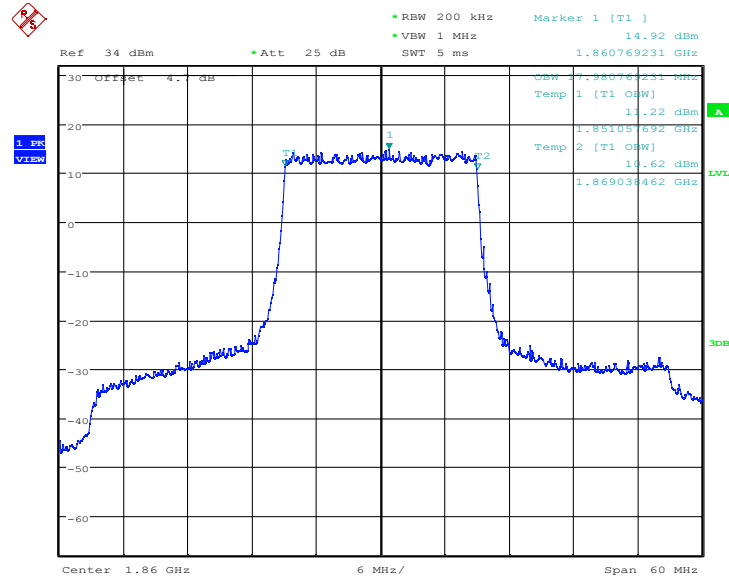
LTE band 2,20MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)
	QPSK
1860	17.981
1880	17.981
1900	17.981

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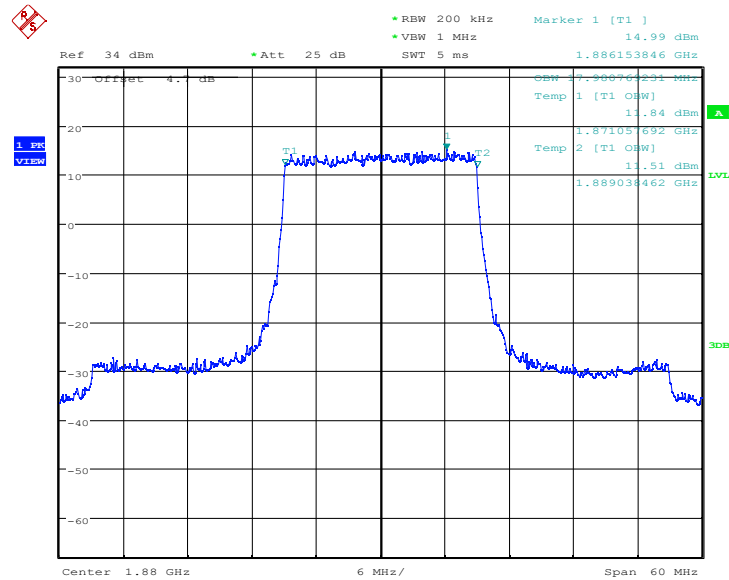
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
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LTE band 2 , 20MHz Bandwidth,LOW,QPSK (99% BW)



Date: 8.MAY.2024 13:50:02

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

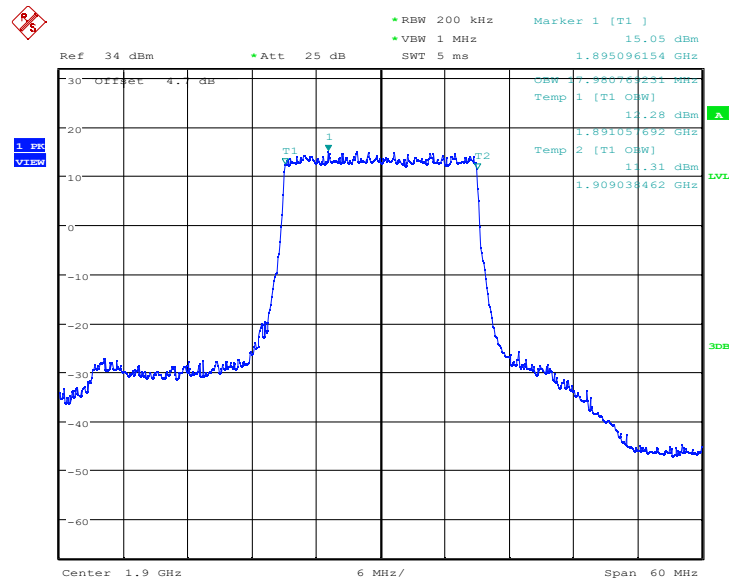


Date: 8.MAY.2024 13:50:28

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



Date: 8.MAY.2024 13:50:53

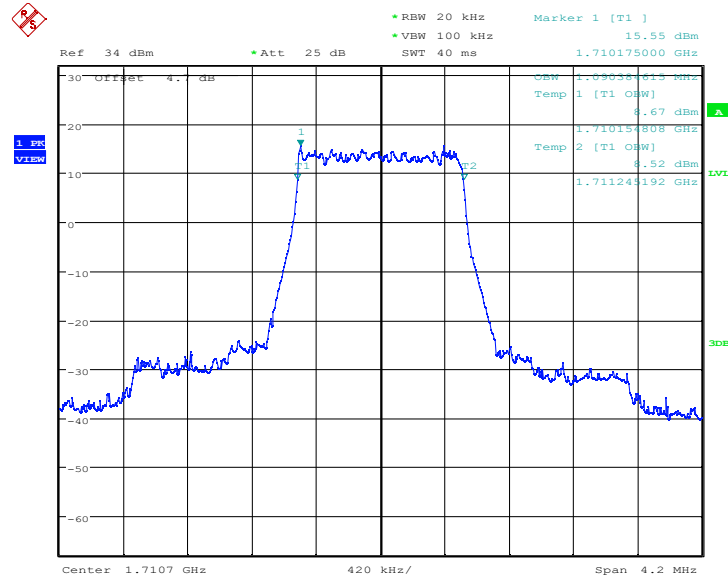
LTE band 4,1.4MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1710.7	1.090	1.090
1732.5	1.084	1.090
1754.3	1.090	1.090

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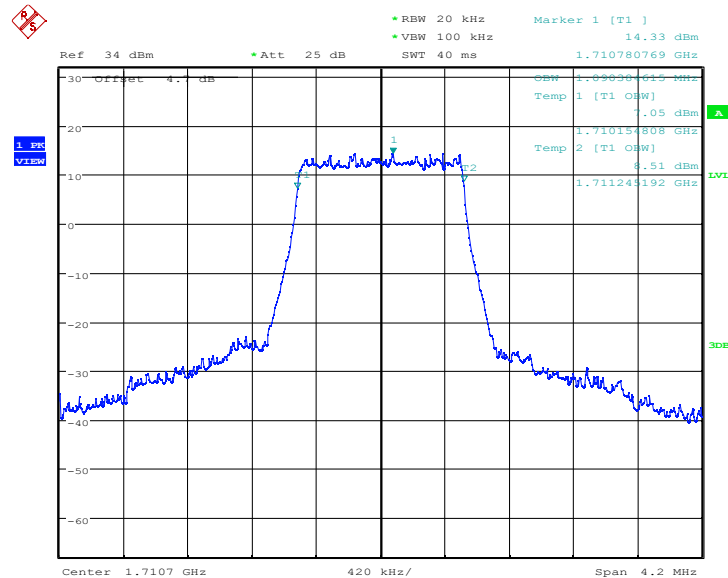
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

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



Date: 8.MAY.2024 13:52:06

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

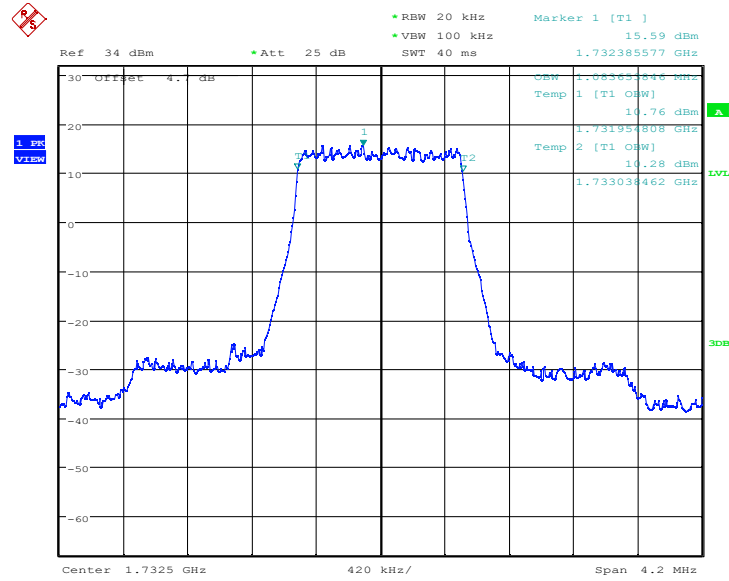


Date: 8.MAY.2024 13:52:30

Chongqing Academy of Information and Communication Technology

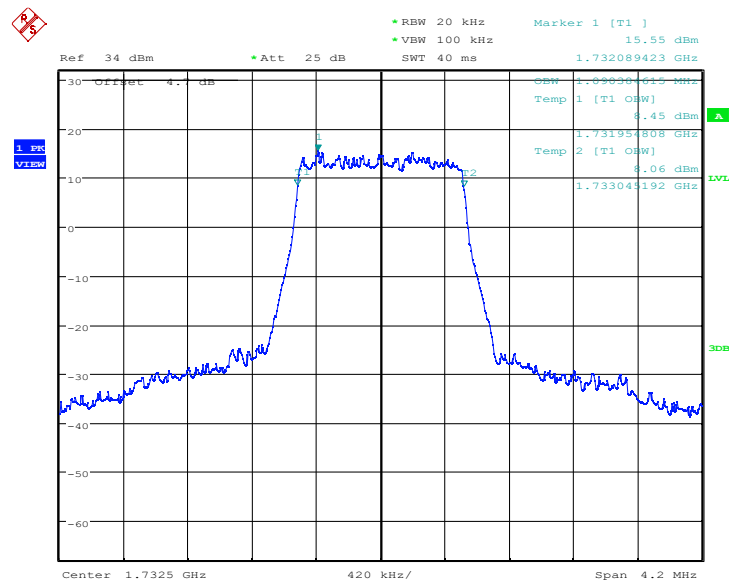
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

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



Date: 8.MAY.2024 13:52:56

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

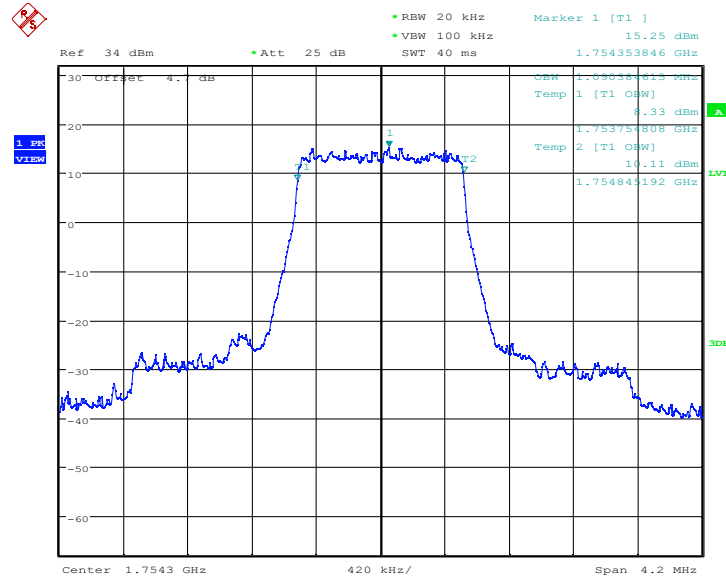


Date: 8.MAY.2024 13:53:19

Chongqing Academy of Information and Communication Technology

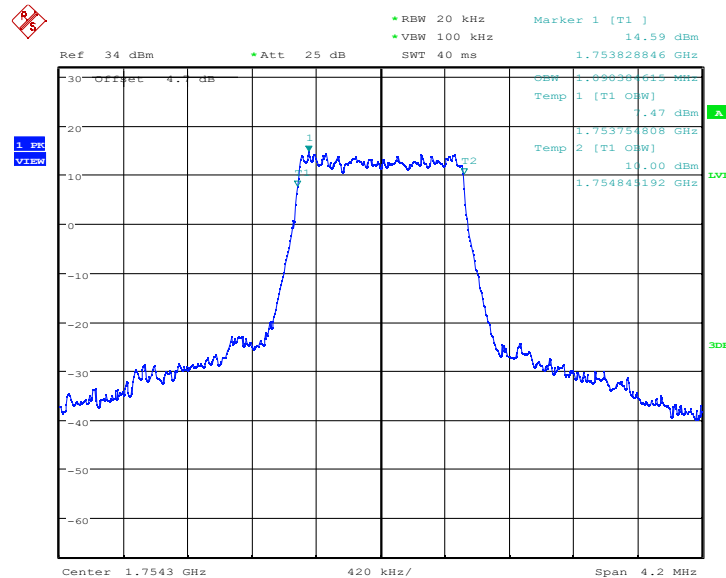
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

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



Date: 8.MAY.2024 13:53:45

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



Date: 8.MAY.2024 13:54:10

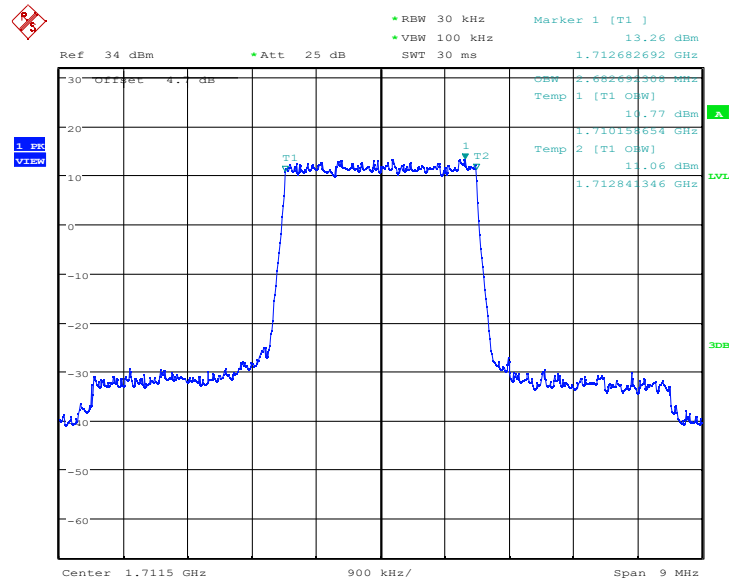
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Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

LTE band 4,3MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1711.5	2.683	2.712
1732.5	2.697	2.683
1753.5	2.697	2.683

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

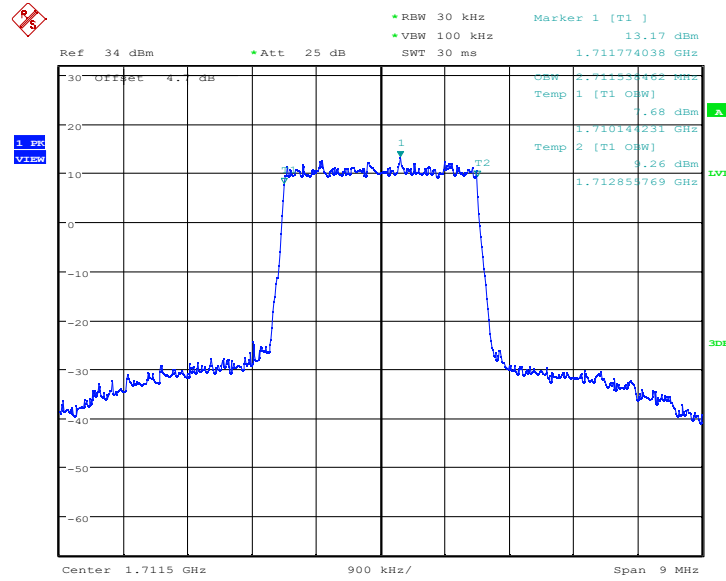


Date: 8.MAY.2024 13:55:10

Chongqing Academy of Information and Communication Technology

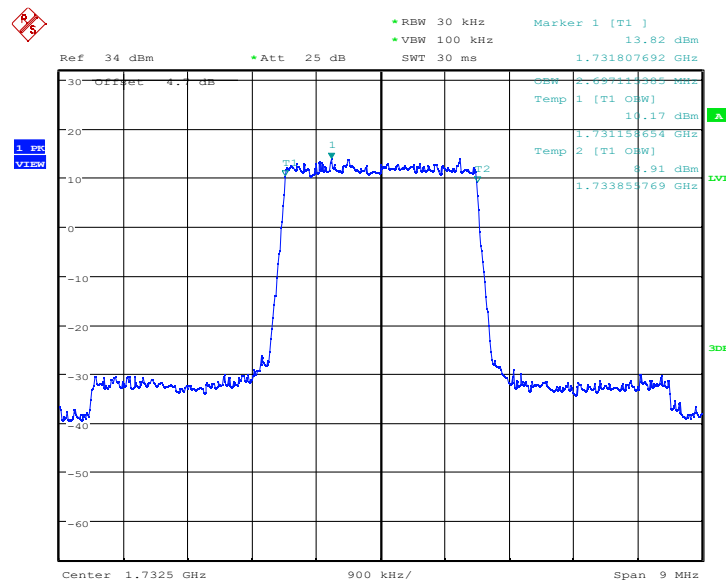
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

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



Date: 8.MAY.2024 13:55:32

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

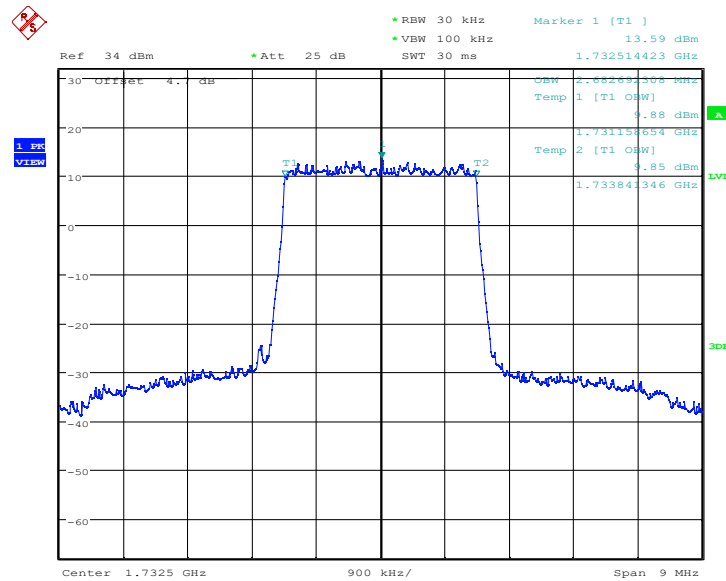


Date: 8.MAY.2024 13:55:58

Chongqing Academy of Information and Communication Technology

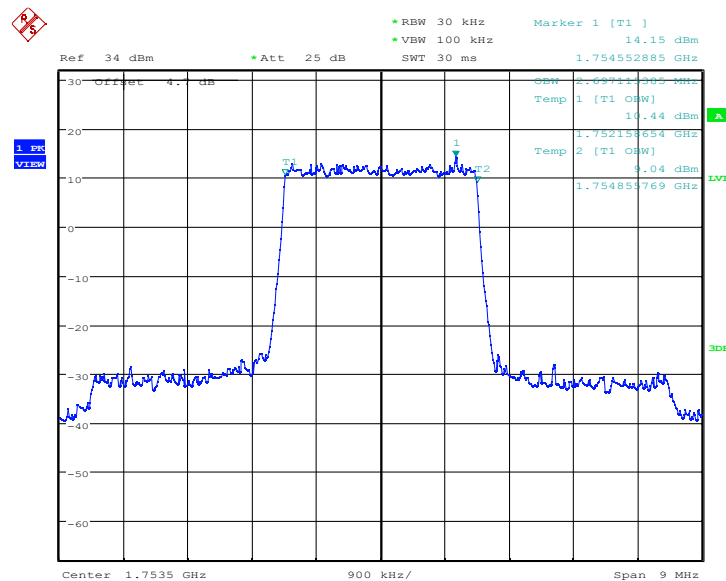
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

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



Date: 8.MAY.2024 13:56:19

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

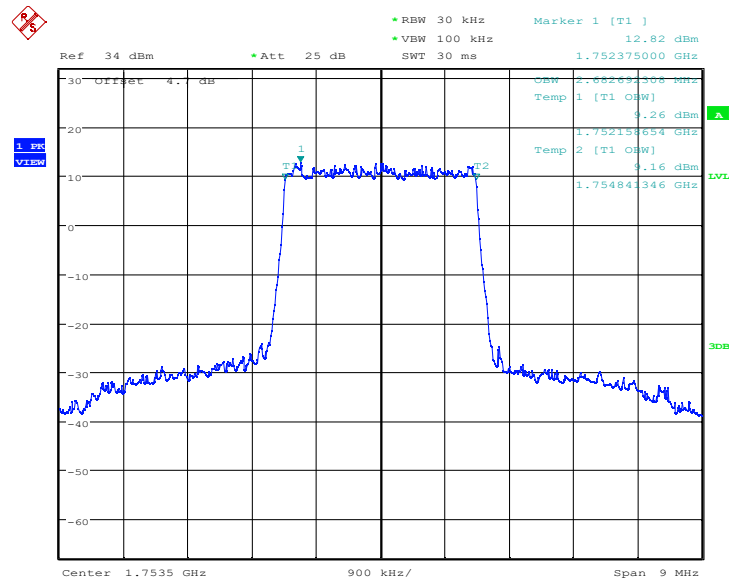


Date: 8.MAY.2024 13:56:45

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



Date: 8.MAY.2024 13:57:08

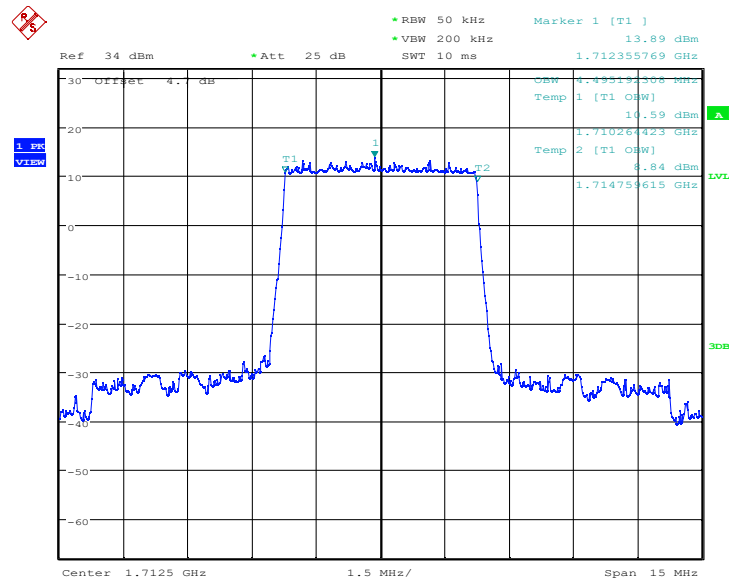
LTE band 4,5MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1712.5	4.495	4.471
1732.5	4.495	4.495
1752.5	4.471	4.471

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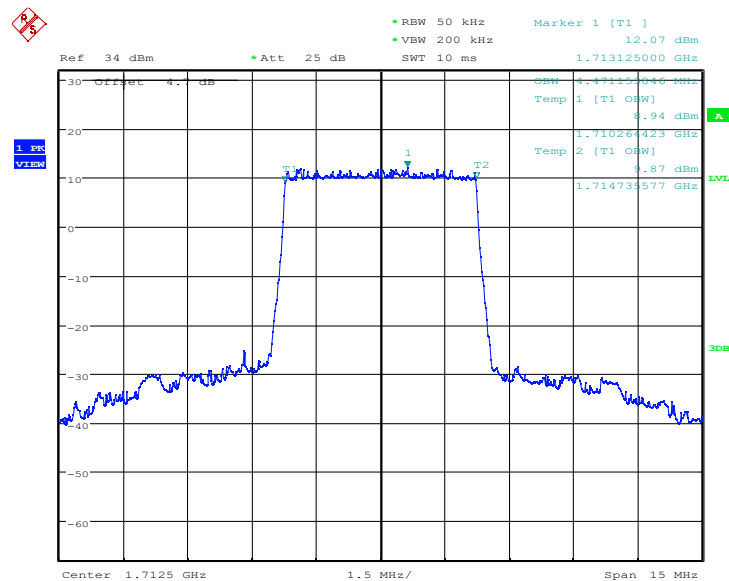
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

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



Date: 8.MAY.2024 13:58:12

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

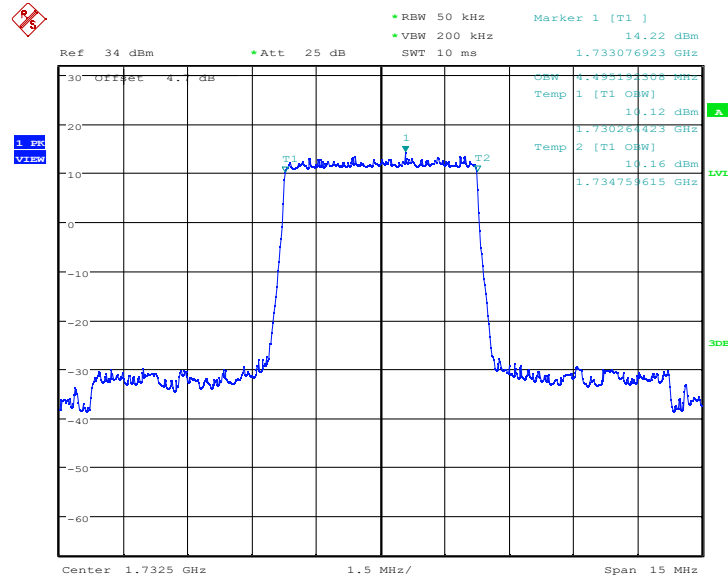


Date: 8.MAY.2024 13:58:35

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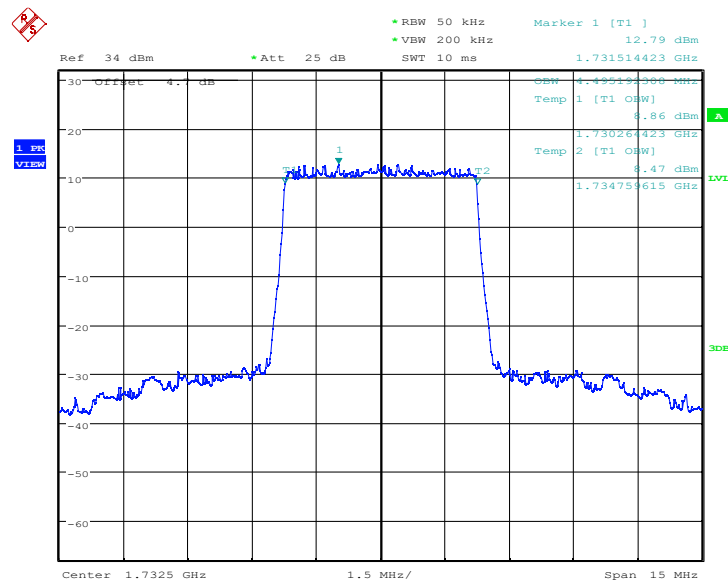
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

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



Date: 8.MAY.2024 13:59:04

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

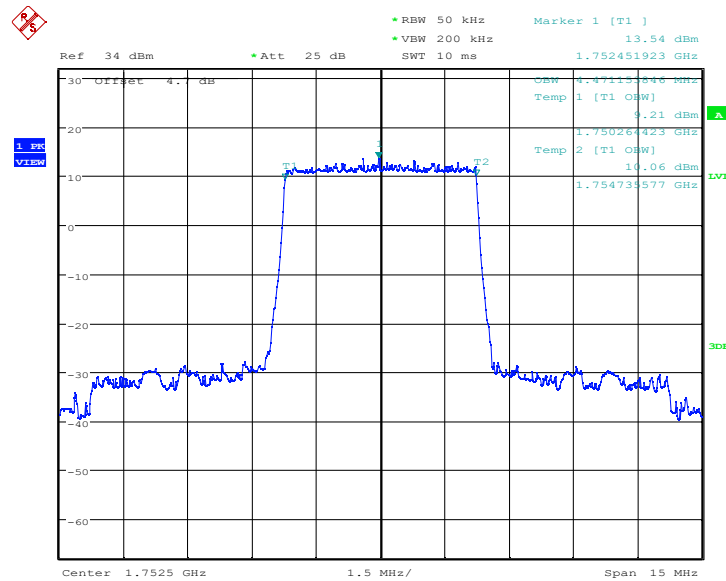


Date: 8.MAY.2024 13:59:27

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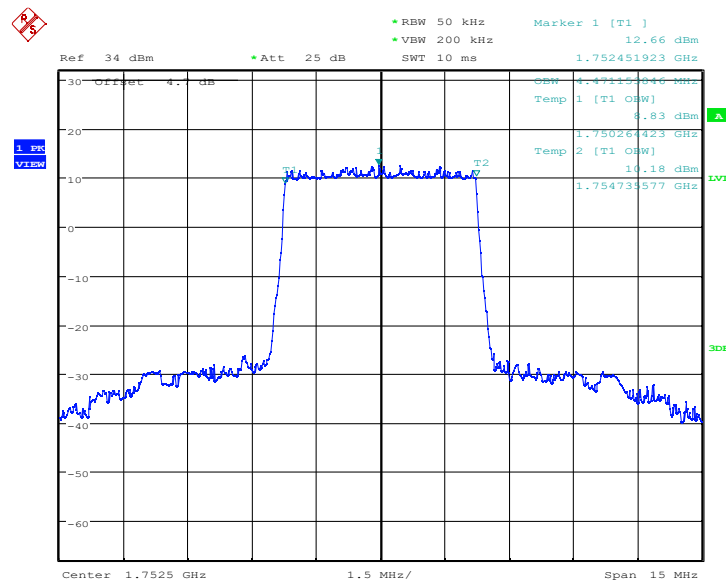
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

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



Date: 8.MAY.2024 13:59:53

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



Date: 8.MAY.2024 14:00:24

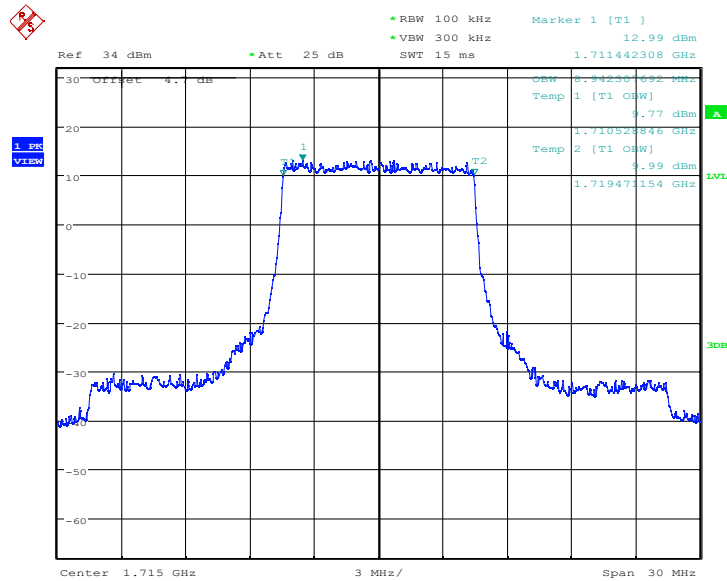
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Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

LTE band 4,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)
	QPSK
1715	8.942
1732.5	8.990
1750	8.942

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

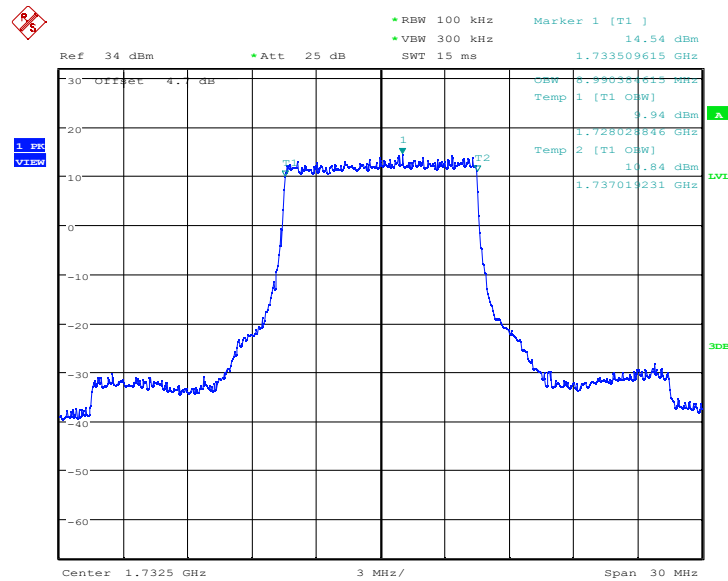


Date: 8.MAY.2024 14:01:21

Chongqing Academy of Information and Communication Technology

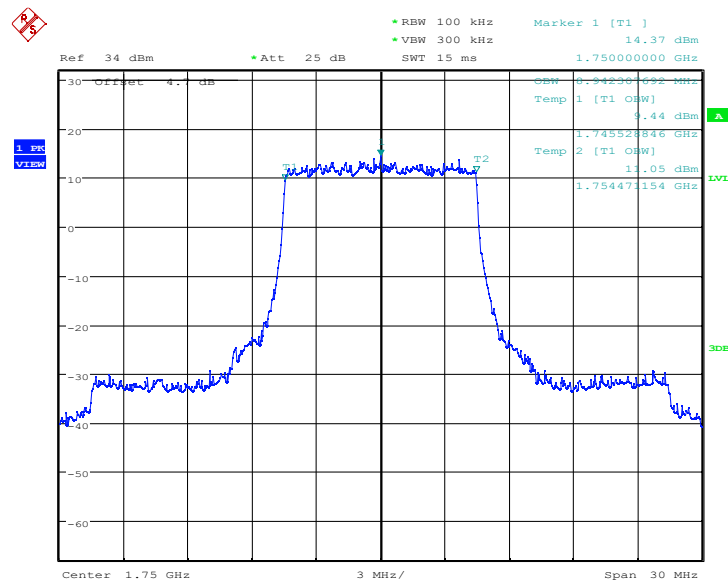
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

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



Date: 8.MAY.2024 14:01:57

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



Date: 8.MAY.2024 14:02:31

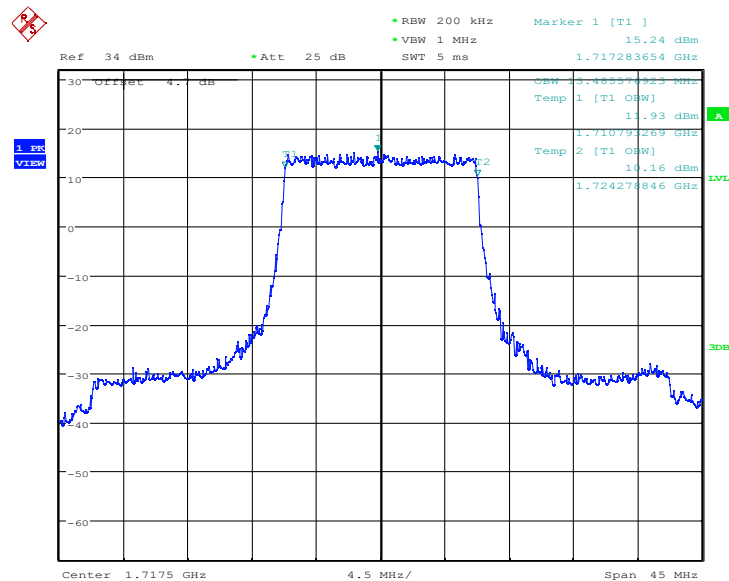
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Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

LTE band 4,15MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)
	QPSK
1717.5	13.486
1732.5	13.486
1747.5	13.486

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

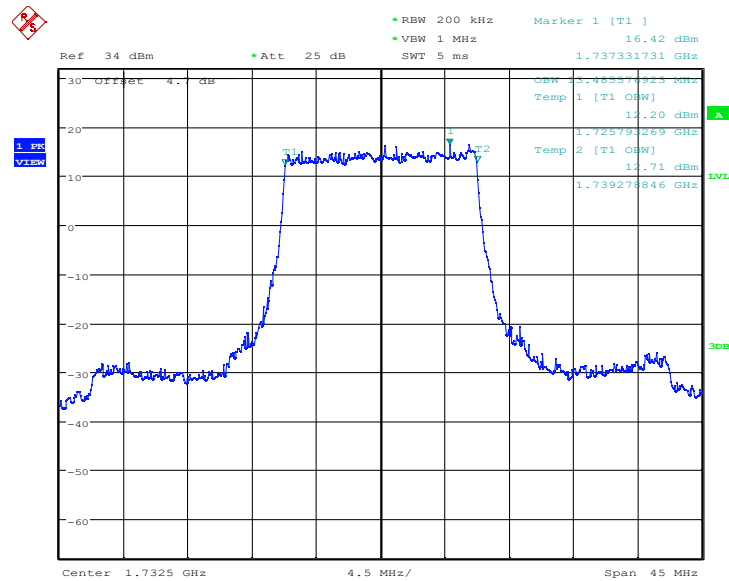


Date: 8.MAY.2024 14:03:28

Chongqing Academy of Information and Communication Technology

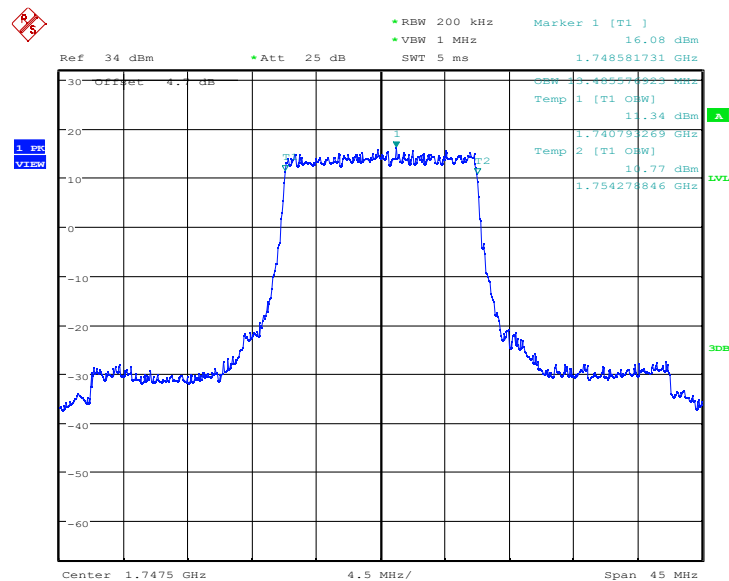
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

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



Date: 8.MAY.2024 14:03:59

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



Date: 8.MAY.2024 14:04:31

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LTE band 4,20MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)
	QPSK
1720	17.981
1732.5	17.981
1745	17.885

*RBW 200 kHz
 *VBW 1 MHz
 SWT 5 ms

Ref 34 dBm
 Att 25 dB

Marker 1 [T1]
 15.26 dBm
 1.721634615 GHz

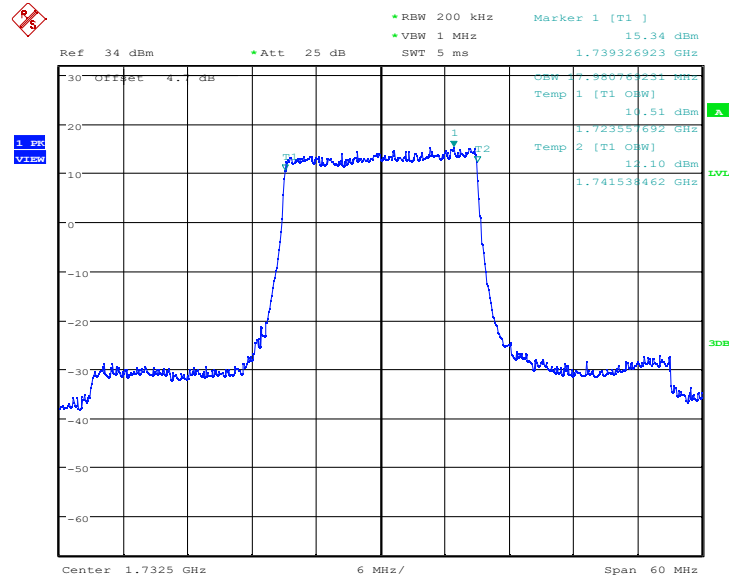
1.720384631 GHz
 Temp 1 [T1] 0BW 11.17 dBm
 1.71105692 GHz
 Temp 2 [T1] 0BW 10.64 dBm
 1.729038462 GHz

Center 1.72 GHz
 6 MHz/
 Span 60 MHz

Date: 8.MAY.2024 14:05:35

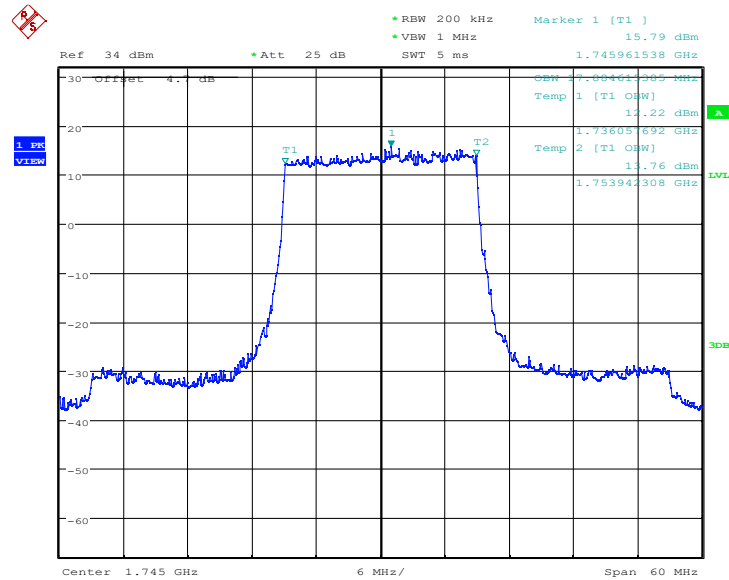
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

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



Date: 8.MAY.2024 14:06:51

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



Date: 8.MAY.2024 14:07:17

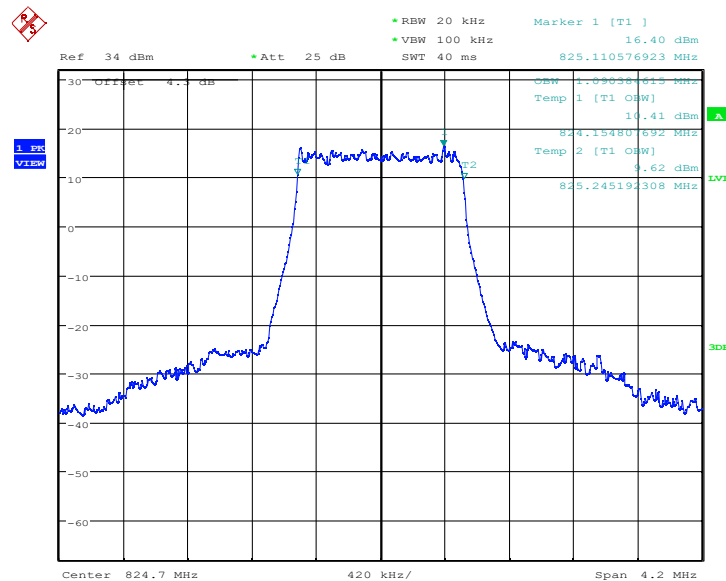
Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

LTE band 5,1.4MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
824.7	1.090	1.090
836.5	1.084	1.090
848.3	1.090	1.090

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

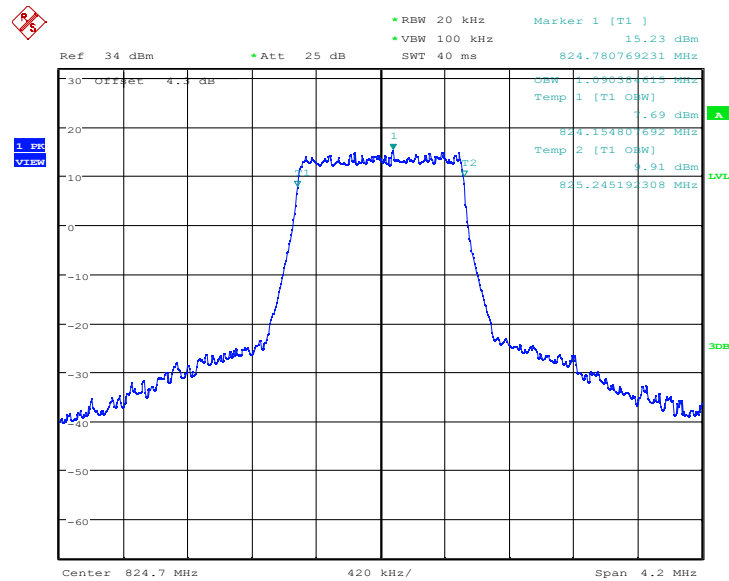


Date: 8.MAY.2024 14:08:15

Chongqing Academy of Information and Communication Technology

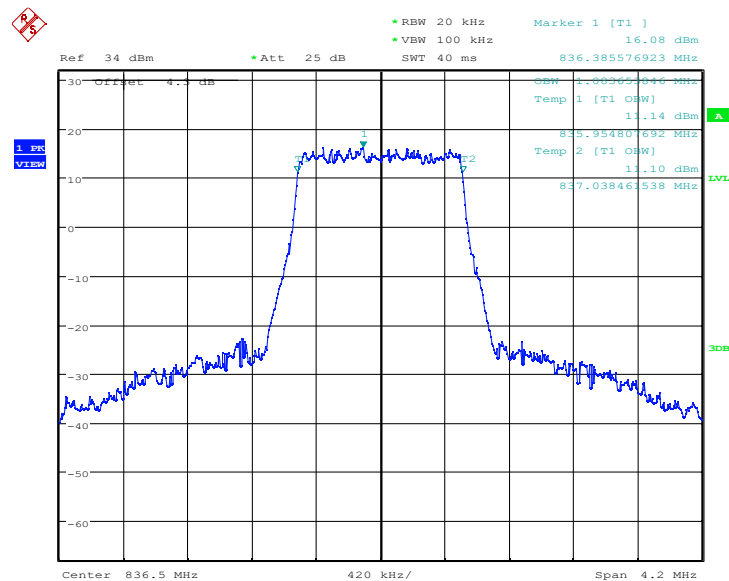
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
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LTE band 5 , 1.4MHz Bandwidth,LOW,16QAM (99% BW)



Date: 8.MAY.2024 14:08:37

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

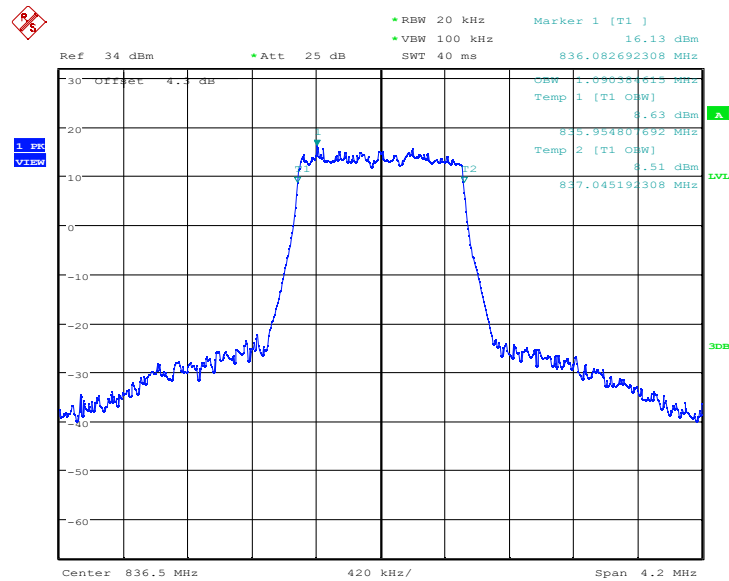


Date: 8.MAY.2024 14:09:04

Chongqing Academy of Information and Communication Technology

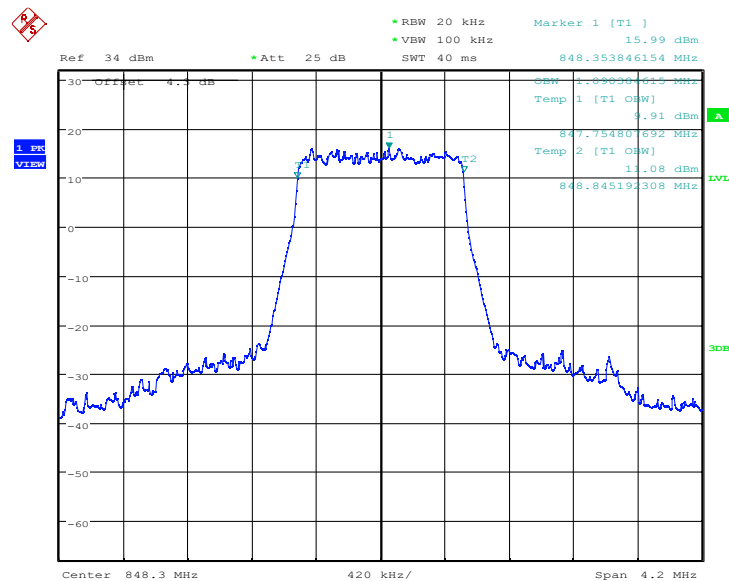
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
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LTE band 5 , 1.4MHz Bandwidth,MID,16QAM (99% BW)



Date: 8.MAY.2024 14:09:27

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

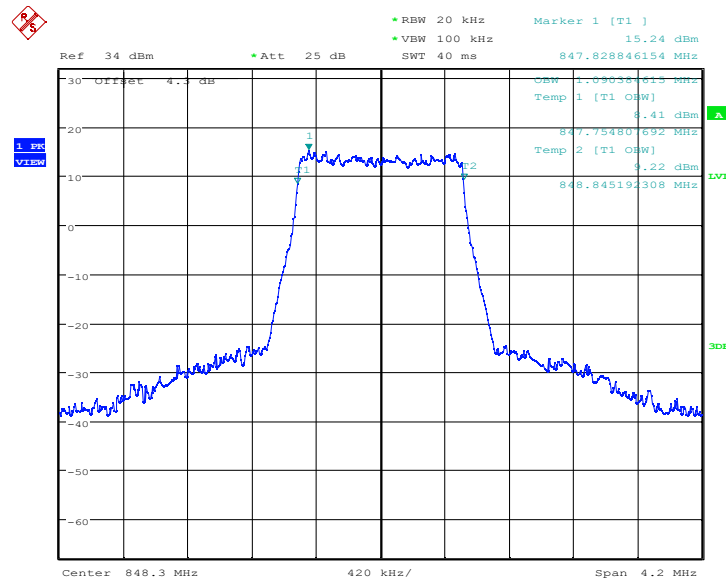


Date: 8.MAY.2024 14:09:55

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



Date: 8.MAY.2024 14:10:19

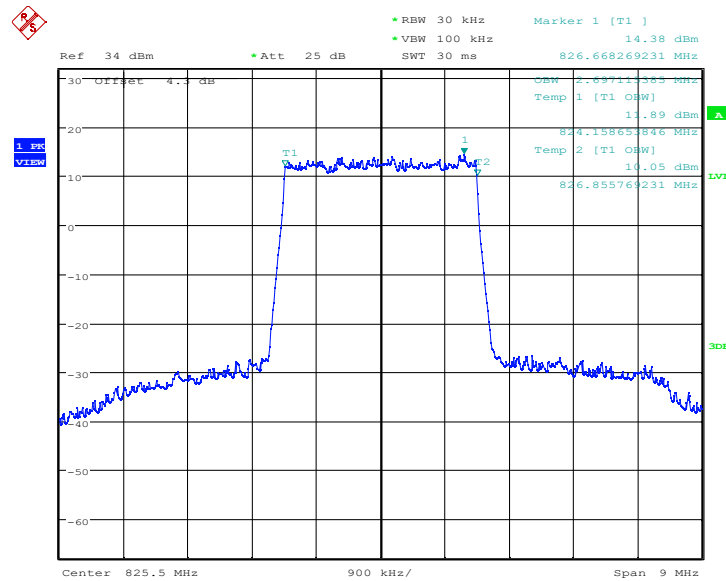
LTE band 5,3MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
825.5	2.697	2.697
836.5	2.697	2.683
847.5	2.697	2.683

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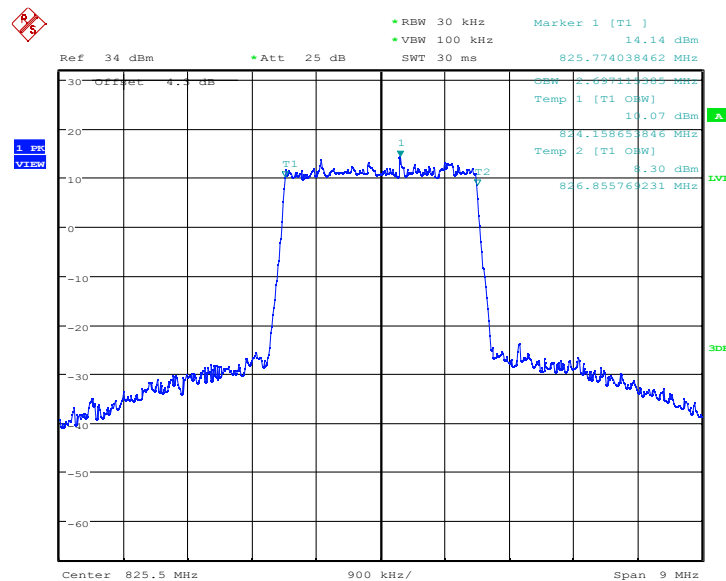
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

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



Date: 8.MAY.2024 14:11:25

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

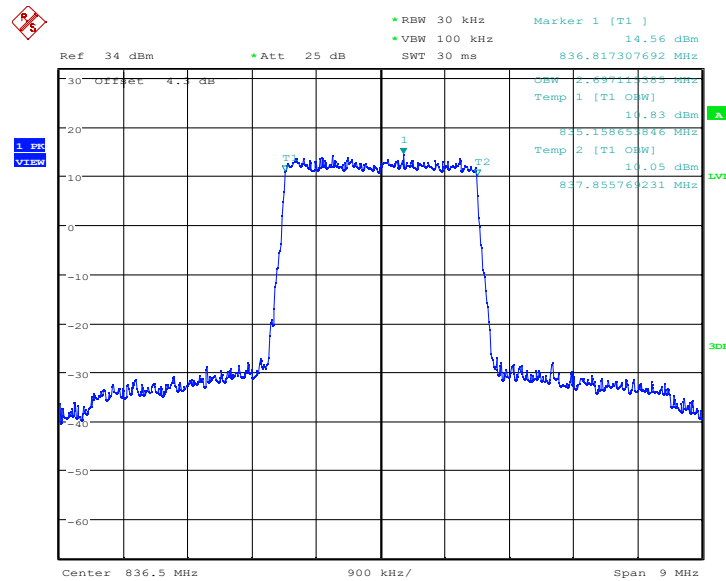


Date: 8.MAY.2024 14:11:48

Chongqing Academy of Information and Communication Technology

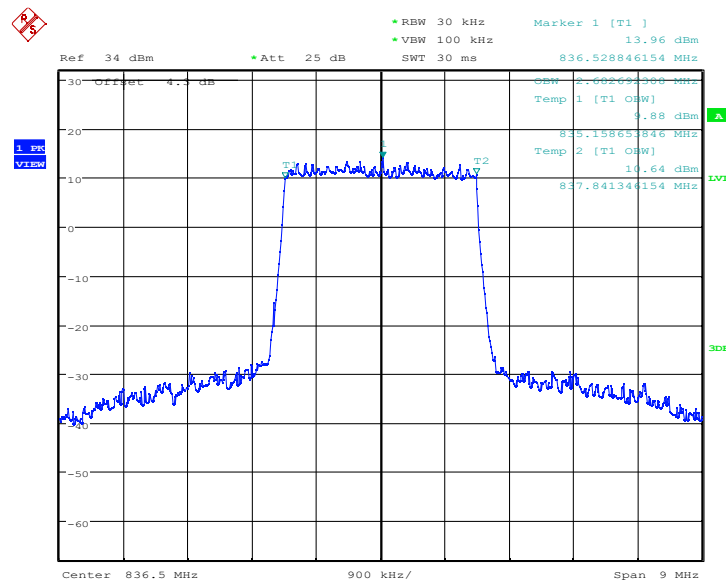
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

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



Date: 8.MAY.2024 14:12:21

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

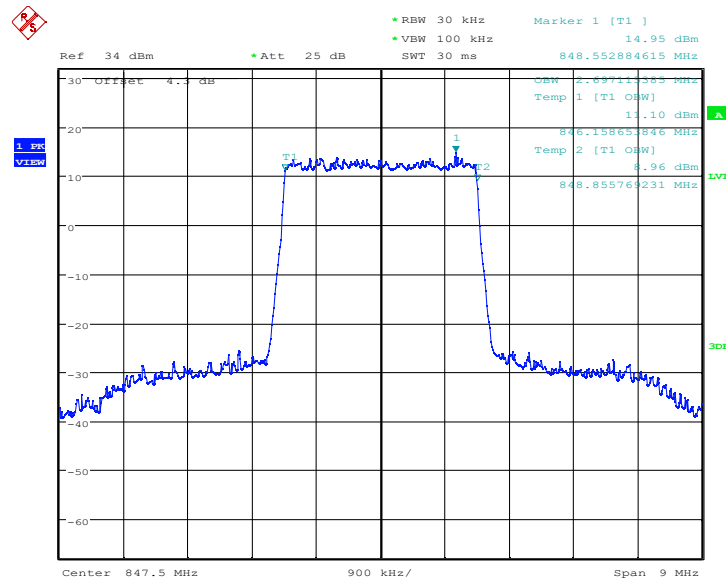


Date: 8.MAY.2024 14:12:43

Chongqing Academy of Information and Communication Technology

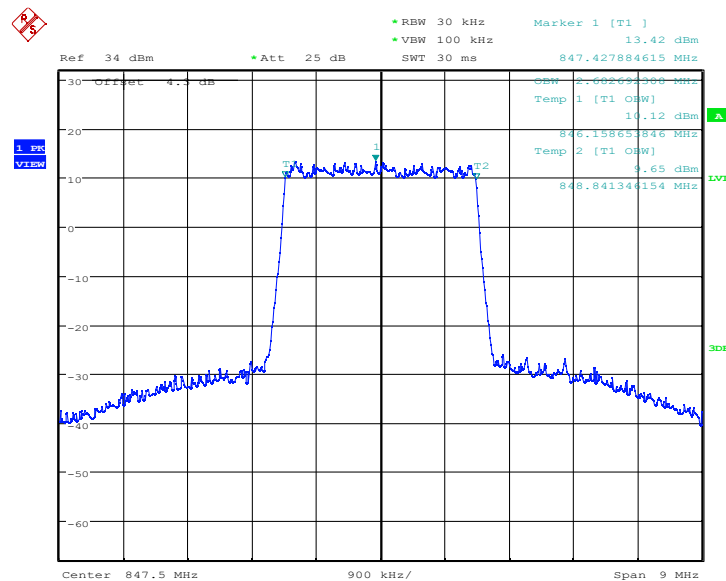
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

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



Date: 8.MAY.2024 14:13:10

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



Date: 8.MAY.2024 14:13:32

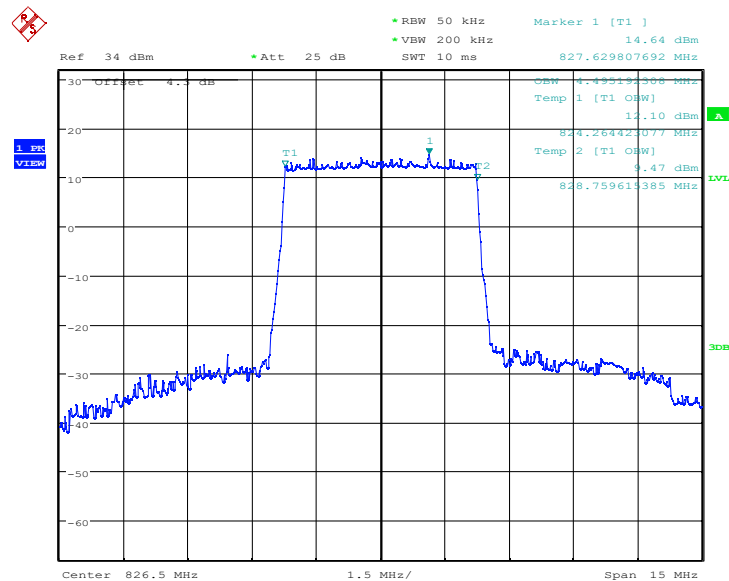
Chongqing Academy of Information and Communication Technology

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Tel: 0086-23-88069965 FAX:0086-23-88608777

LTE band 5,5MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
826.5	4.495	4.495
836.5	4.495	4.495
846.5	4.471	4.471

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

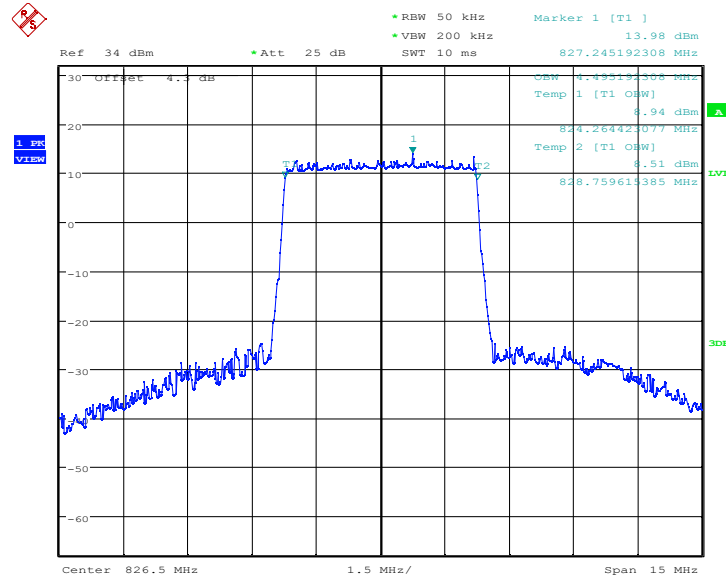


Date: 8.MAY.2024 14:14:30

Chongqing Academy of Information and Communication Technology

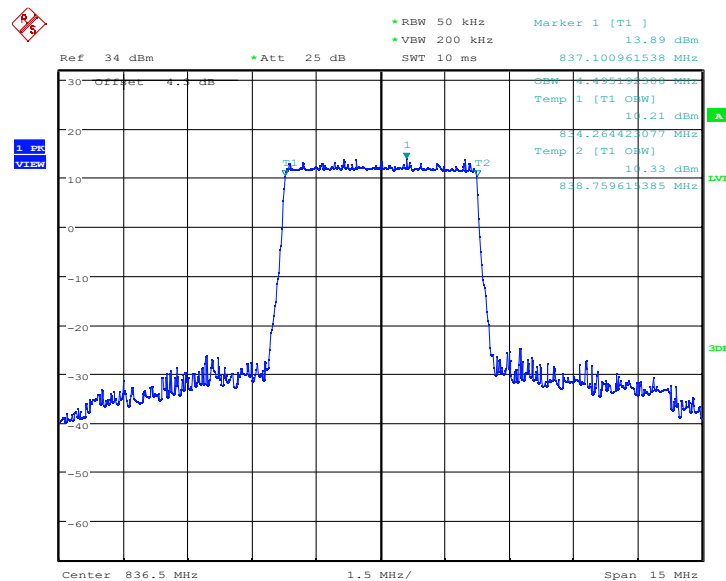
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

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



Date: 8.MAY.2024 14:14:51

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

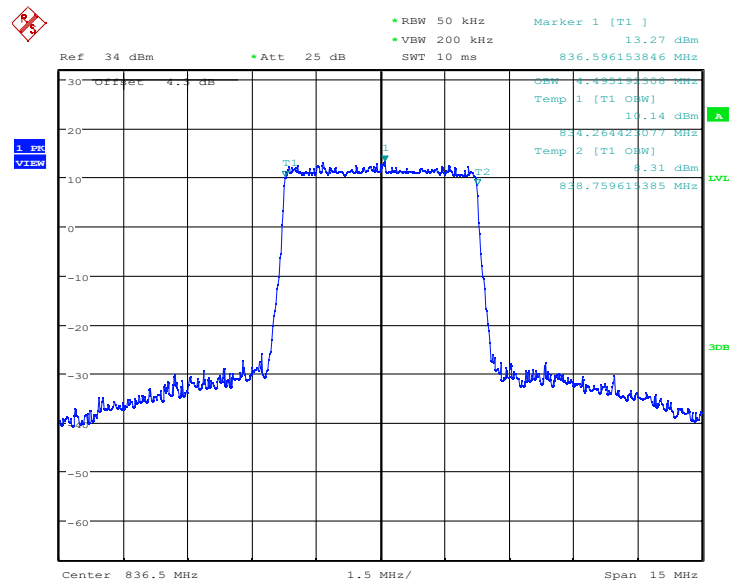


Date: 8.MAY.2024 14:15:17

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

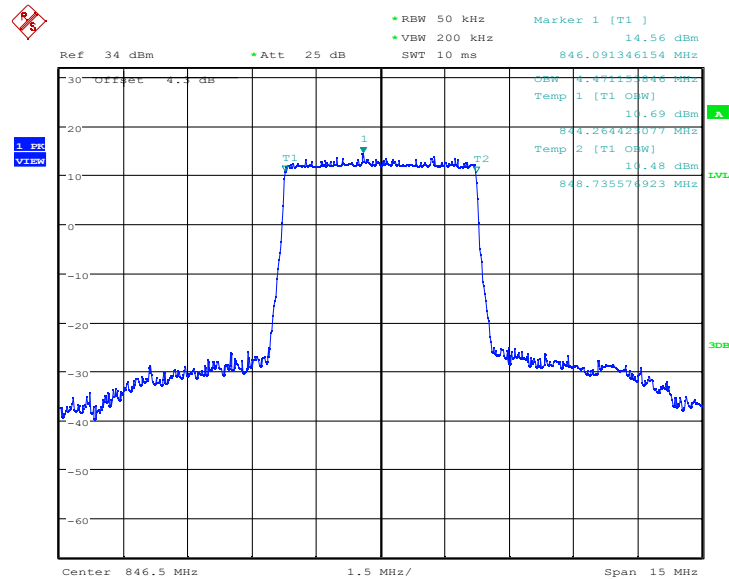
Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
 Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 8.MAY.2024 14:15:39

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

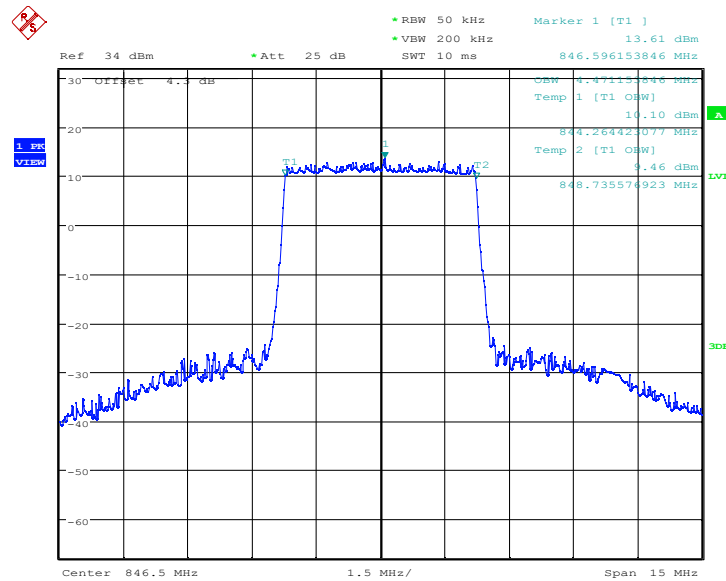


Date: 8.MAY.2024 14:16:05

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



Date: 8.MAY.2024 14:16:26

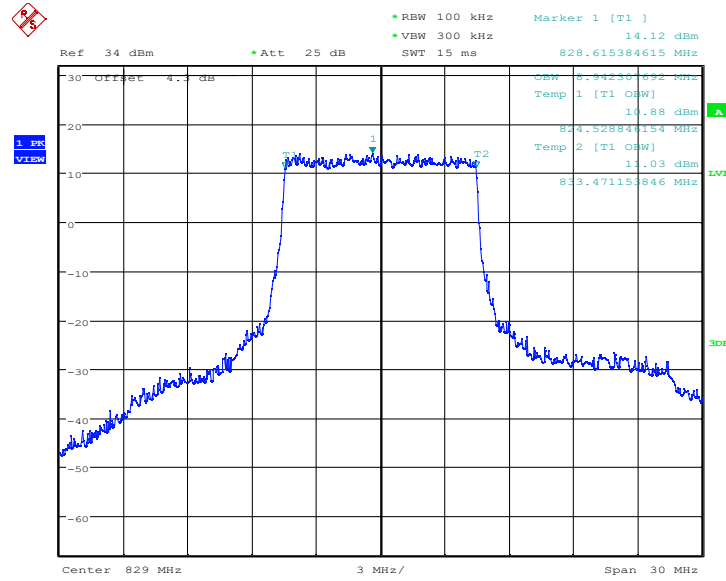
LTE band 5,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)
	QPSK
829	8.942
836.5	8.990
844	8.942

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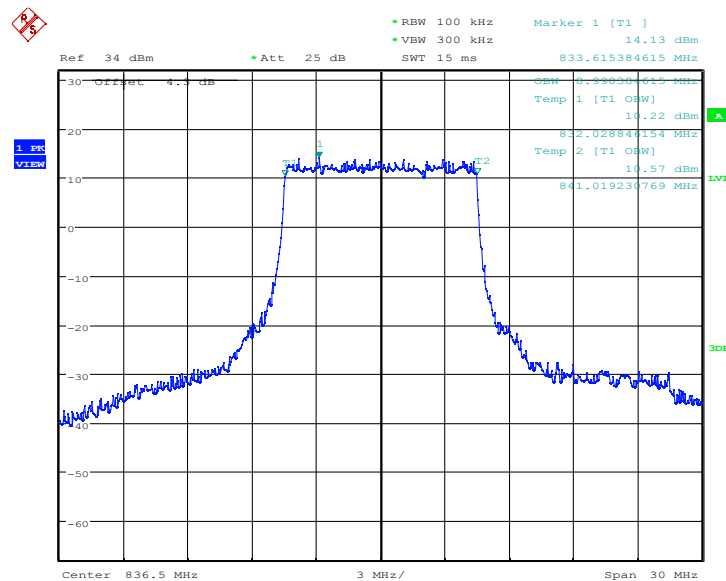
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

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



Date: 8.MAY.2024 14:17:23

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

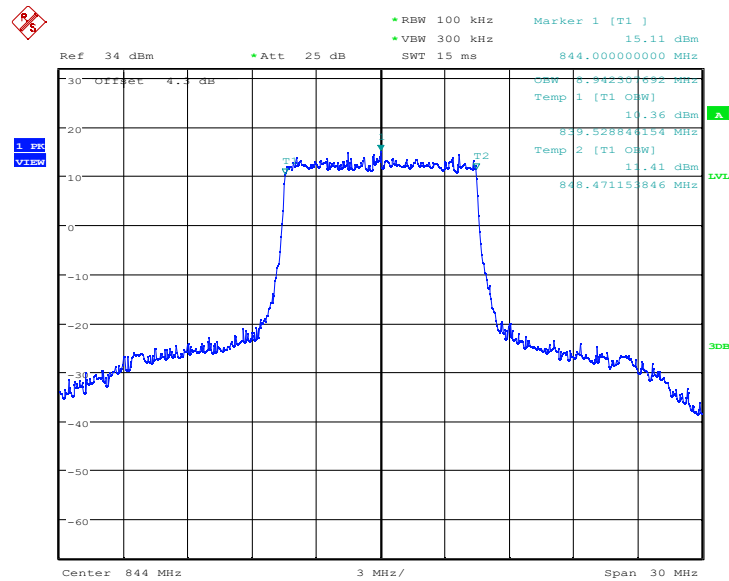


Date: 8.MAY.2024 14:18:28

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Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

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



Date: 8.MAY.2024 14:18:54

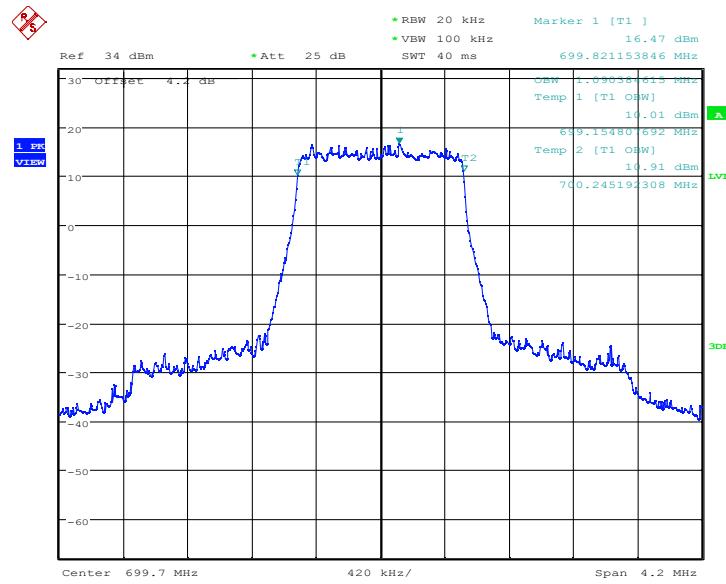
LTE band 12,1.4MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
699.7	1.090	1.090
707.5	1.090	1.090
715.3	1.084	1.090

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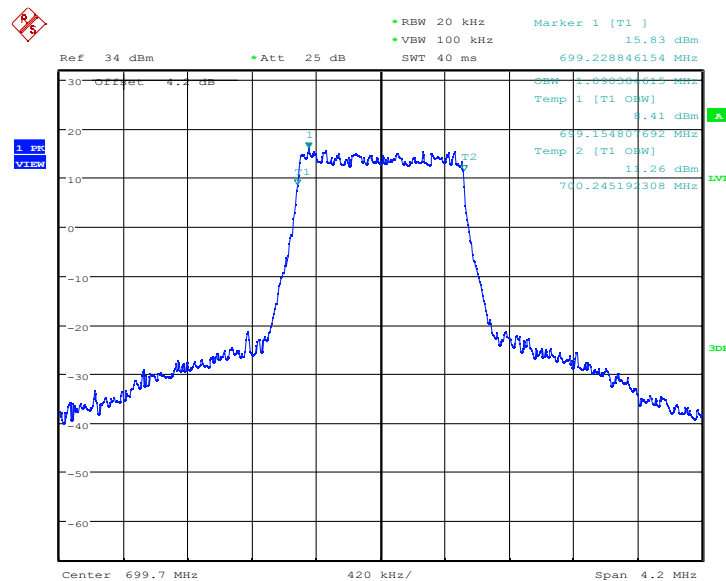
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

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



Date: 8.MAY.2024 14:19:32

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

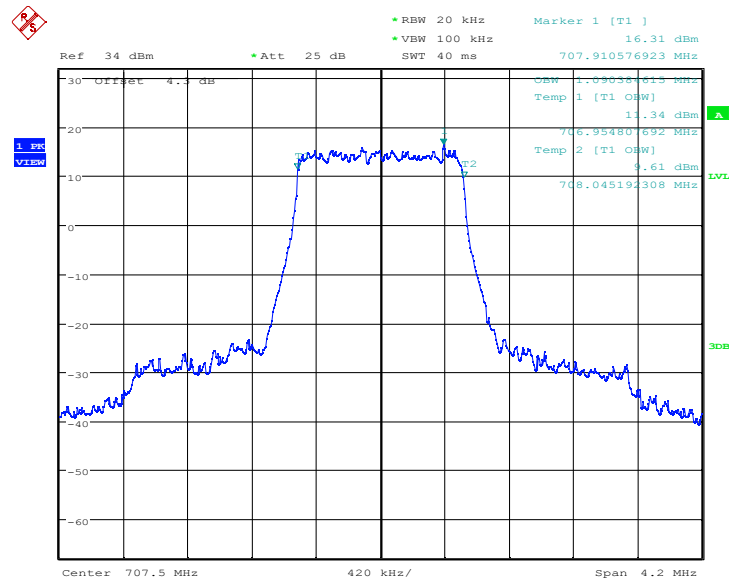


Date: 8.MAY.2024 14:19:56

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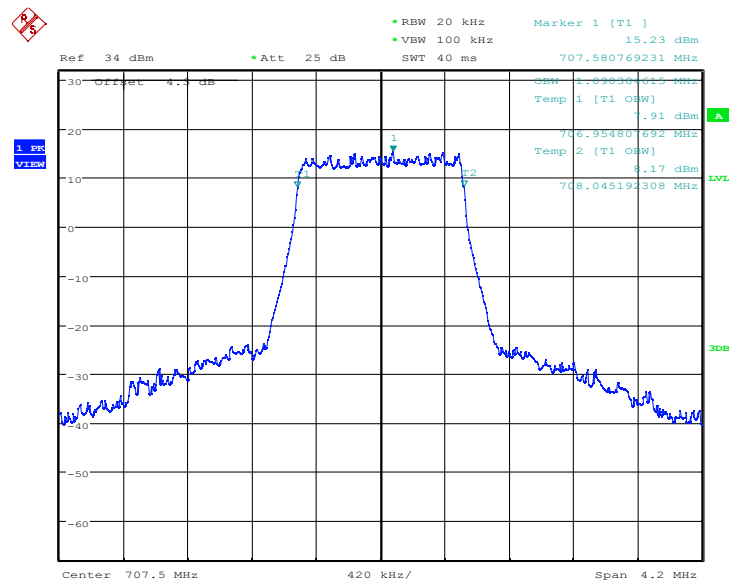
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

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



Date: 8.MAY.2024 14:20:25

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

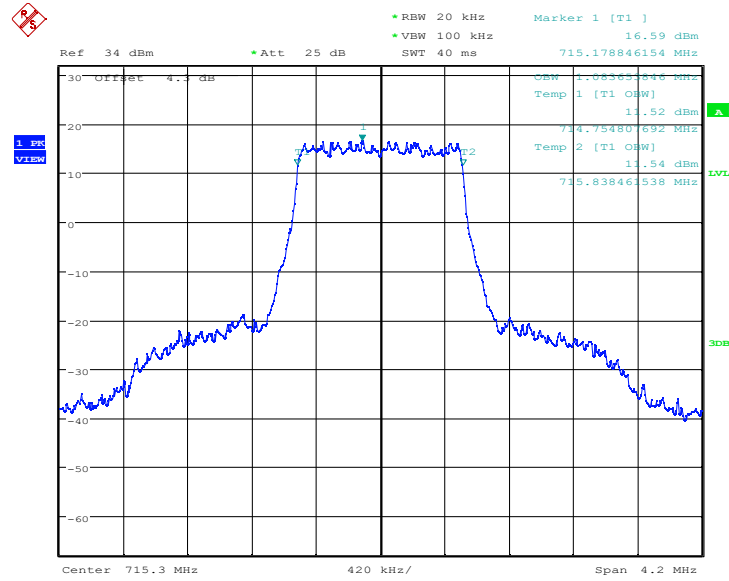


Date: 8.MAY.2024 14:20:48

Chongqing Academy of Information and Communication Technology

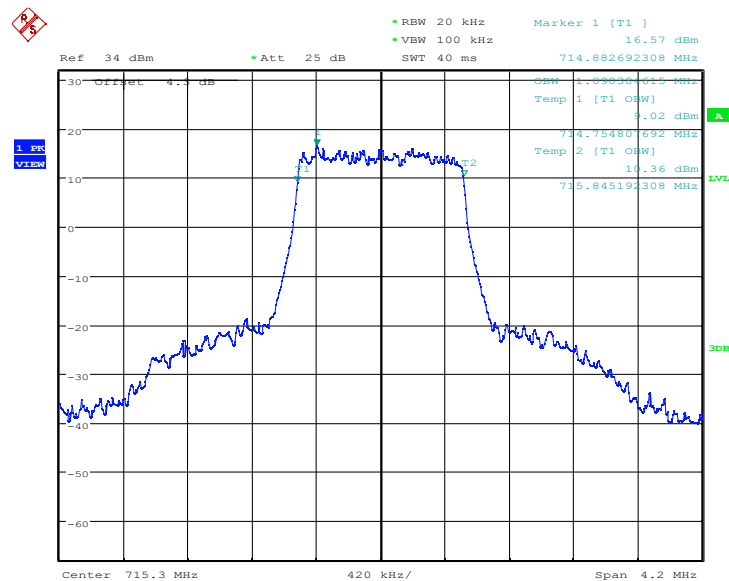
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

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



Date: 8.MAY.2024 14:21:17

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



Date: 8.MAY.2024 14:21:41

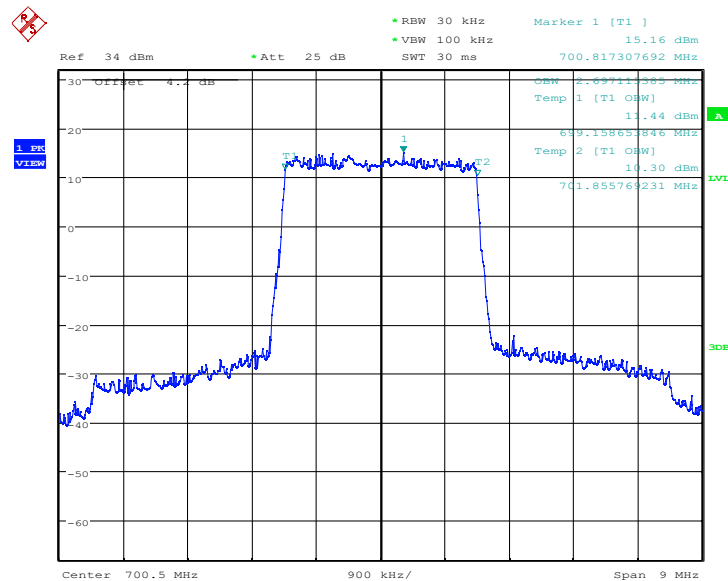
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Tel: 0086-23-88069965 FAX:0086-23-88608777

LTE band 12,3MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
700.5	2.697	2.683
707.5	2.697	2.683
714.5	2.697	2.712

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

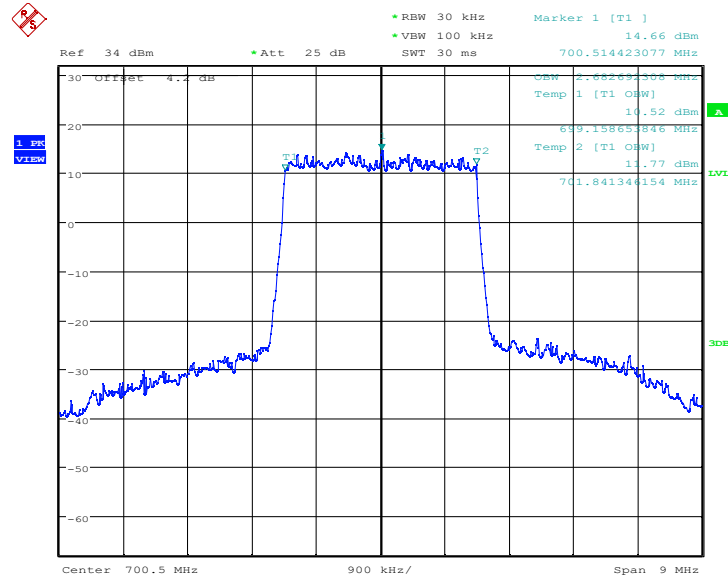


Date: 8.MAY.2024 14:22:14

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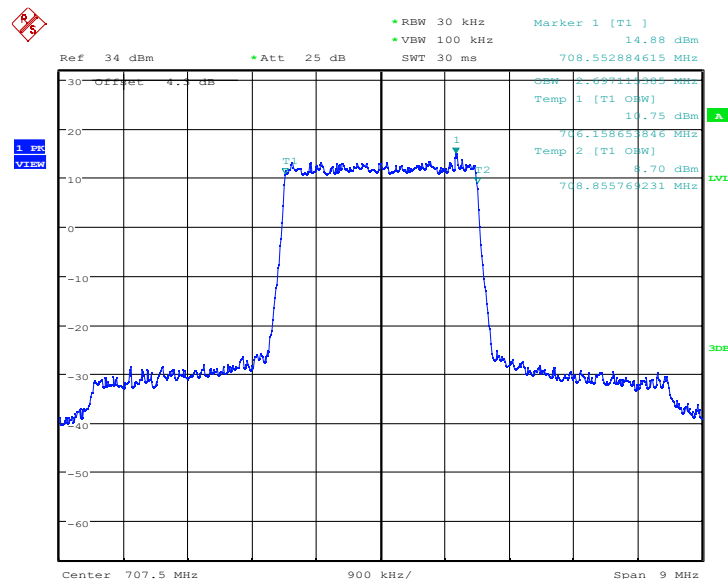
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

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



Date: 8.MAY.2024 14:22:37

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

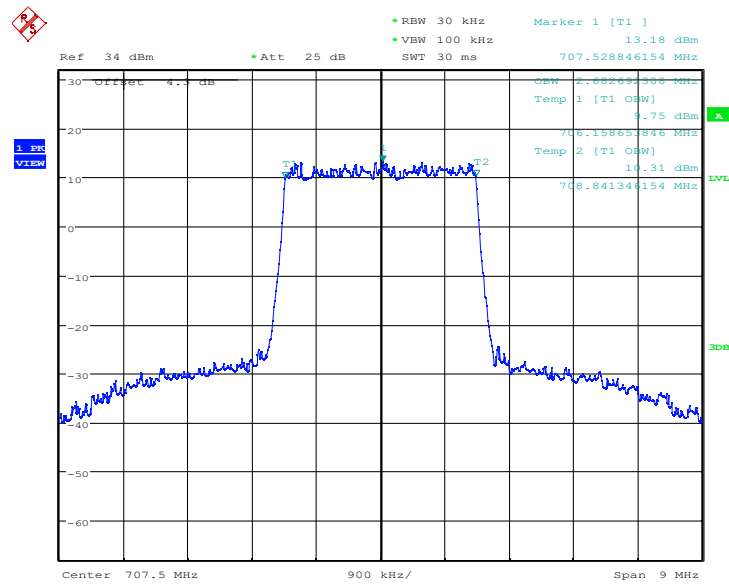


Date: 8.MAY.2024 14:23:08

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

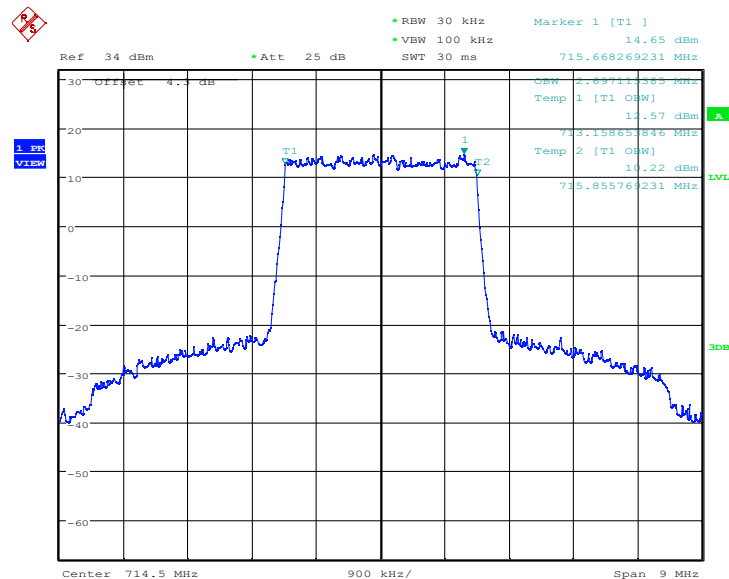
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Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 8.MAY.2024 14:23:33

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

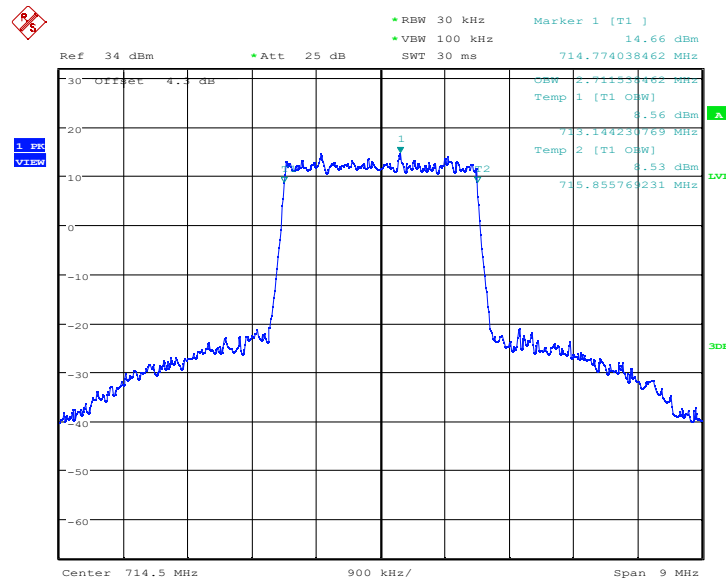


Date: 8.MAY.2024 14:23:59

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



Date: 8.MAY.2024 14:24:21

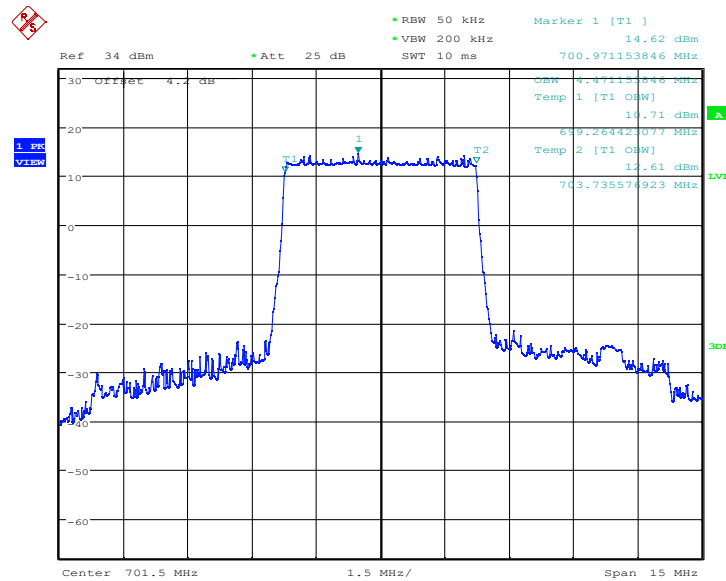
LTE band 12,5MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
701.5	4.471	4.495
707.5	4.471	4.471
713.5	4.471	4.471

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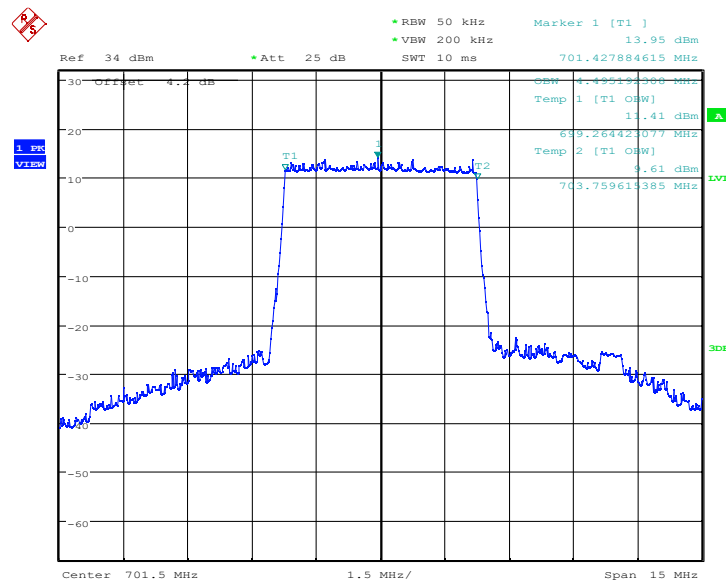
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

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



Date: 8.MAY.2024 14:25:06

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

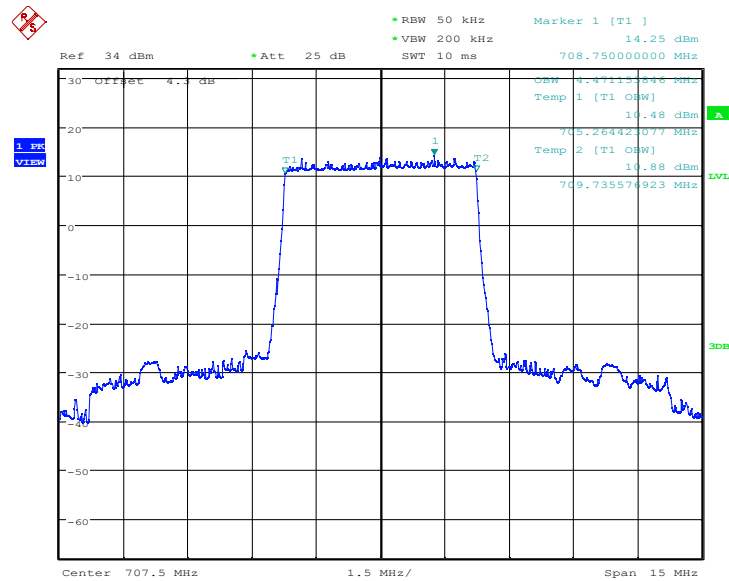


Date: 8.MAY.2024 14:25:29

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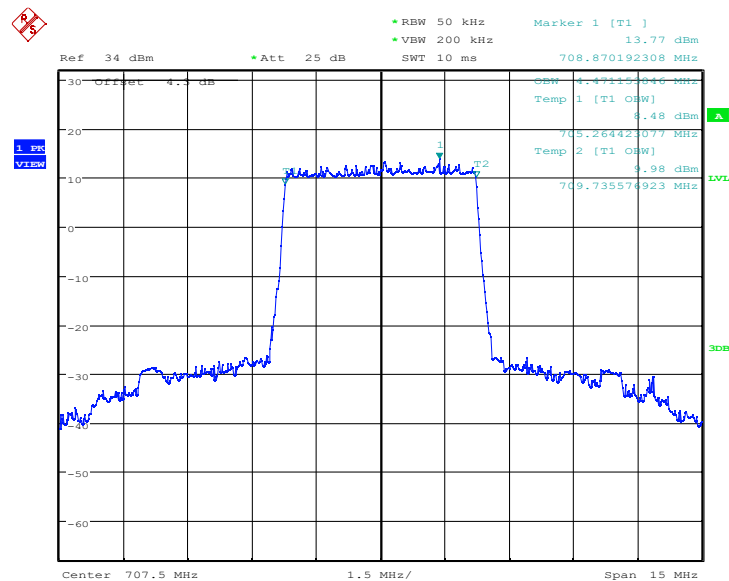
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
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LTE band 12 , 5MHz Bandwidth,MID,QPSK (99% BW)



Date: 8.MAY.2024 14:25:58

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

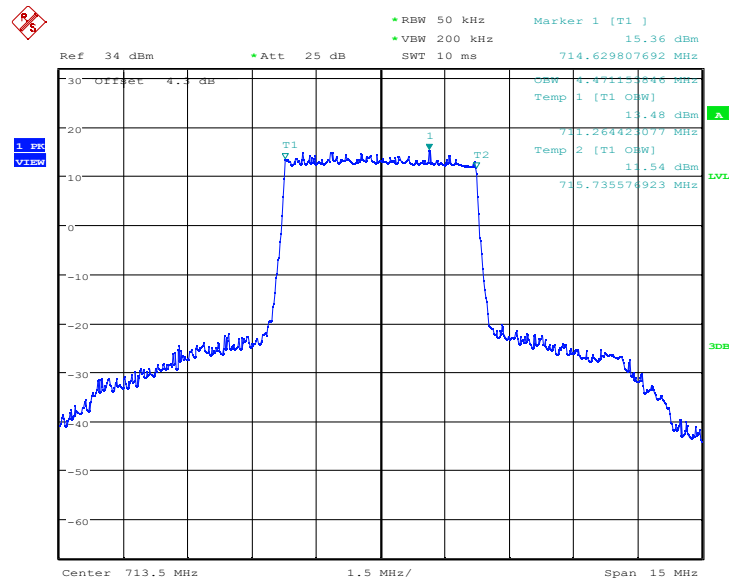


Date: 8.MAY.2024 14:26:20

Chongqing Academy of Information and Communication Technology

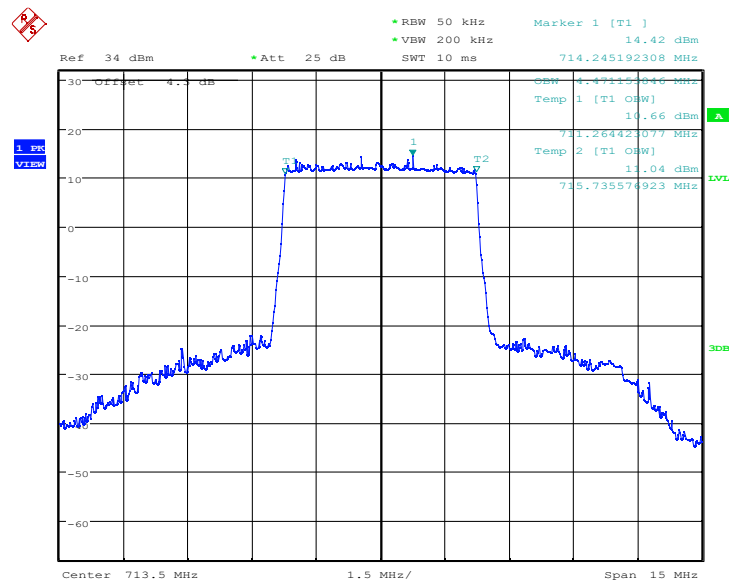
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

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



Date: 8.MAY.2024 14:26:50

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



Date: 8.MAY.2024 14:27:12

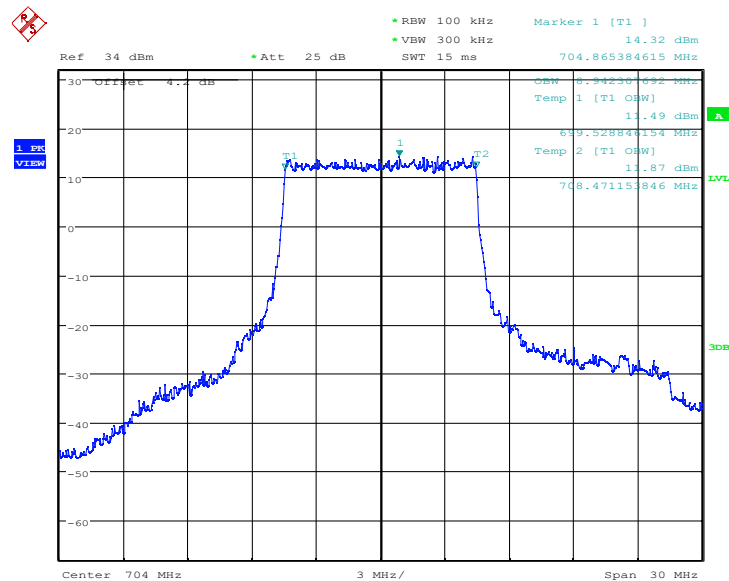
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LTE band 12,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)
	QPSK
704	8.942
707.5	8.990
711	8.942

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

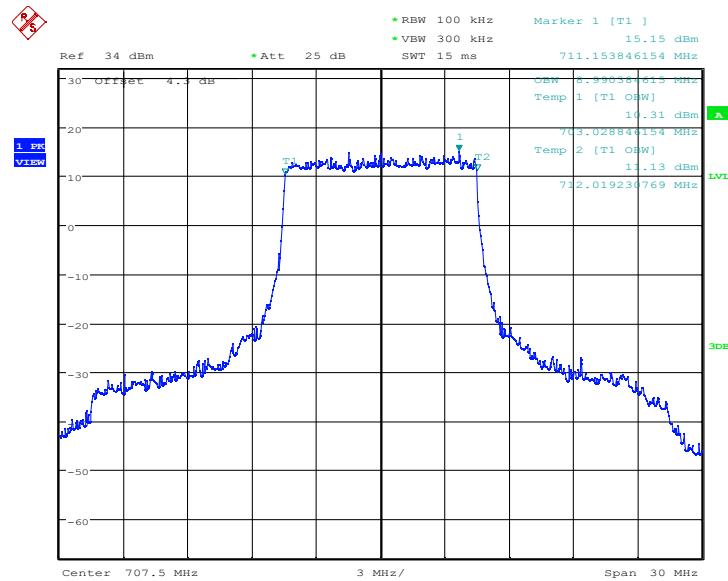


Date: 8.MAY.2024 14:27:52

Chongqing Academy of Information and Communication Technology

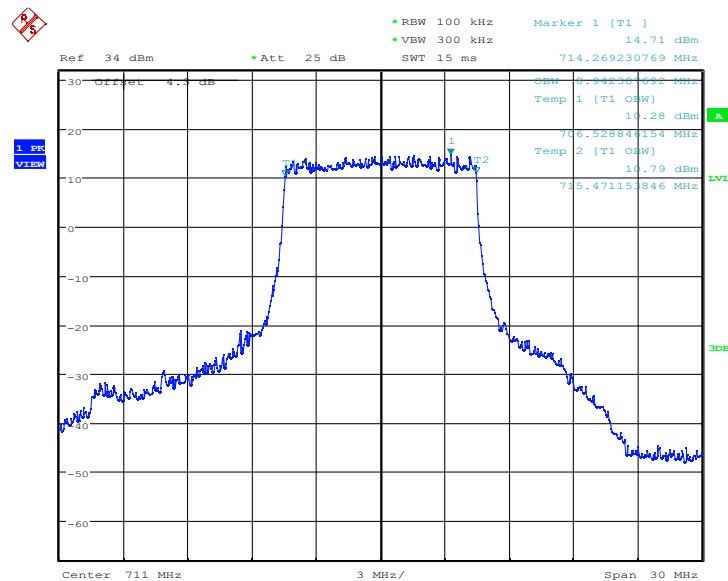
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

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



Date: 8.MAY.2024 14:28:23

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



Date: 8.MAY.2024 14:28:49

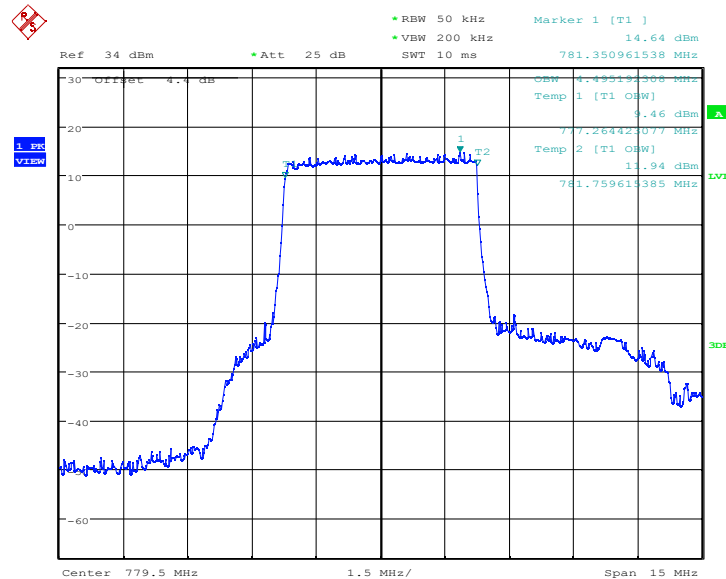
Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

LTE band 13,5MHz(99%)

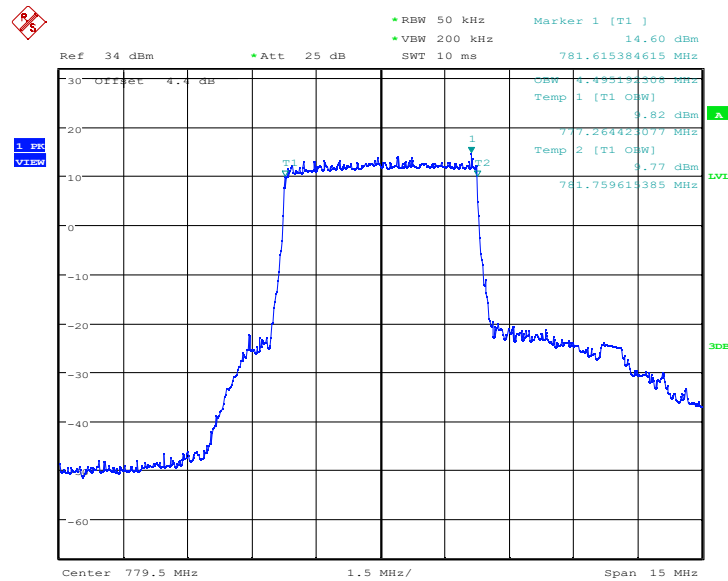
Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
779.5	4.495	4.495
782	4.471	4.471
784.5	4.471	4.495

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



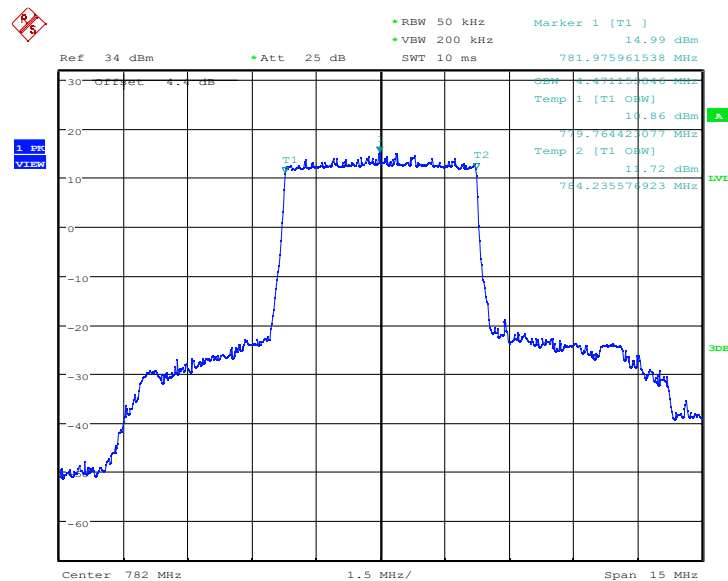
Date: 8.MAY.2024 14:29:27

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



Date: 8.MAY.2024 14:29:54

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

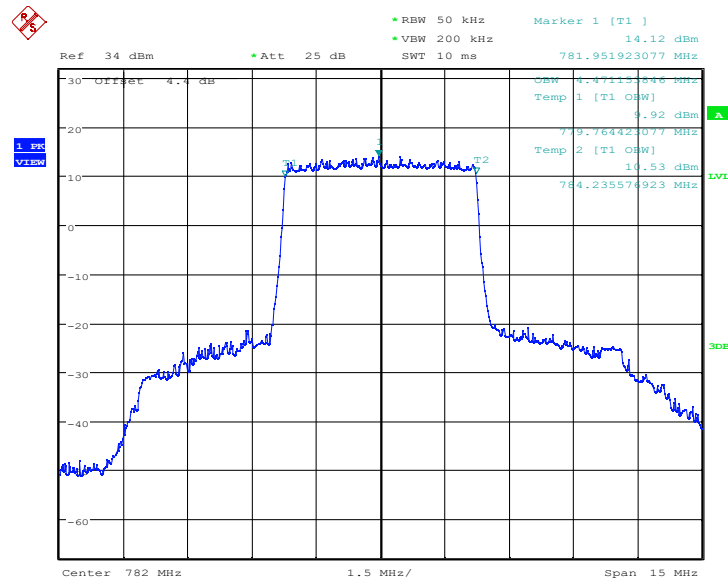


Date: 8.MAY.2024 14:30:21

Chongqing Academy of Information and Communication Technology

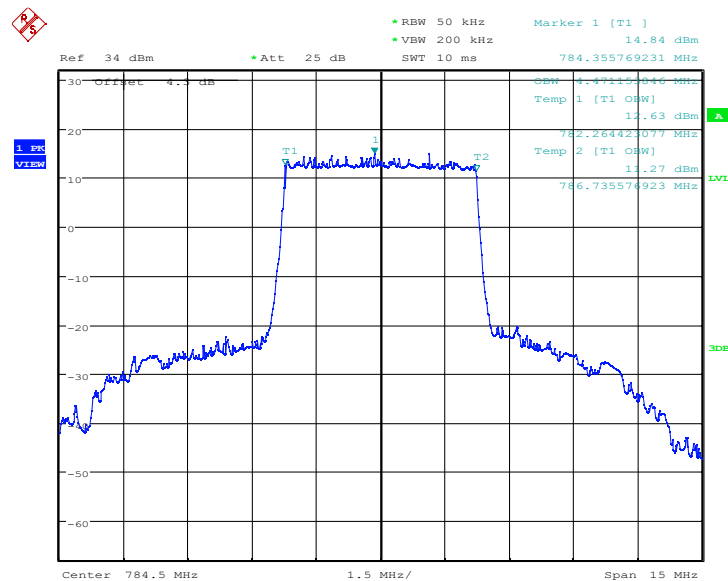
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
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LTE band 13 , 5MHz Bandwidth,MID,16QAM (99% BW)



Date: 8.MAY.2024 14:30:44

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

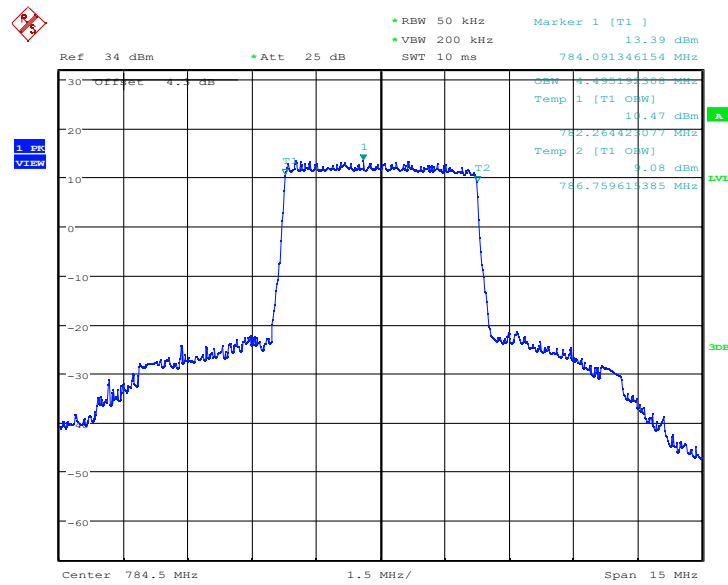


Date: 8.MAY.2024 14:31:13

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

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Date: 8.MAY.2024 14:31:38

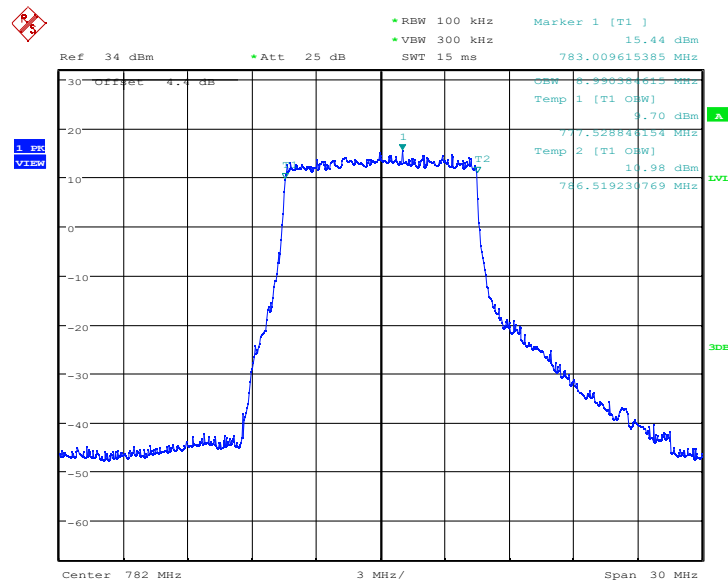
LTE band 13,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)
	QPSK
782	8.990
782	8.990
782	8.990

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

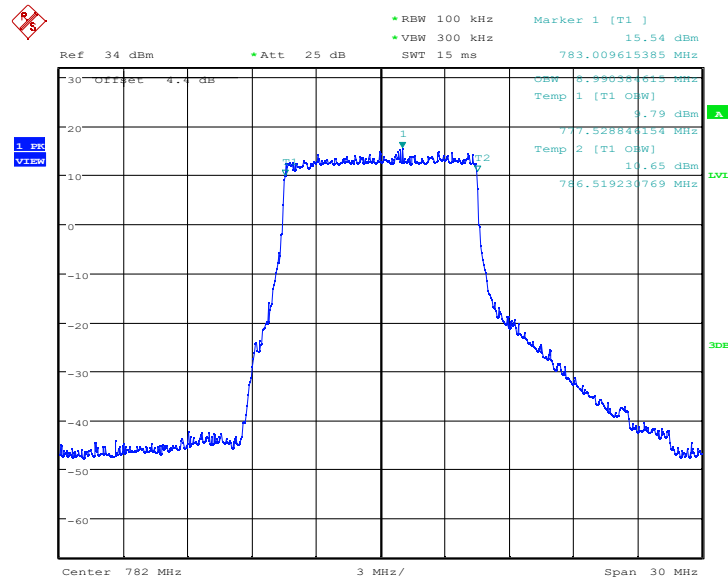
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Date: 8.MAY.2024 14:32:13

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

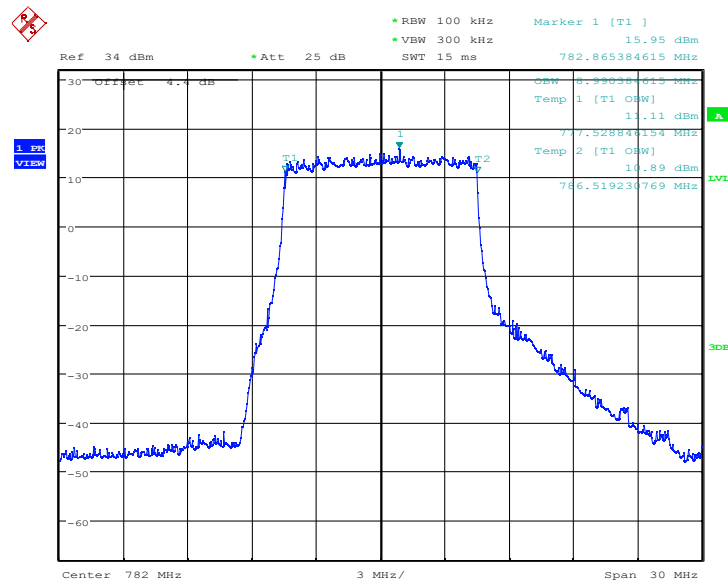


Date: 8.MAY.2024 14:32:34

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

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Date: 8.MAY.2024 14:32:58

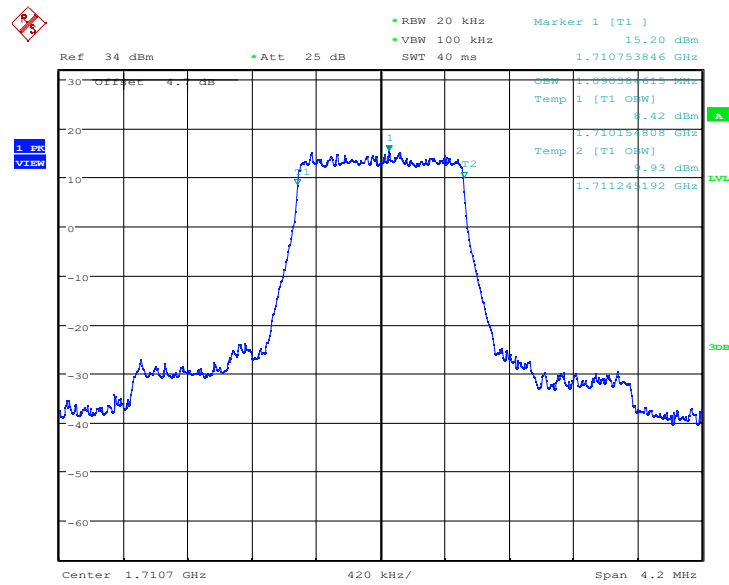
LTE band 66,1.4MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1710.7	1.090	1.090
1745	1.090	1.090
1779.3	1.084	1.090

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

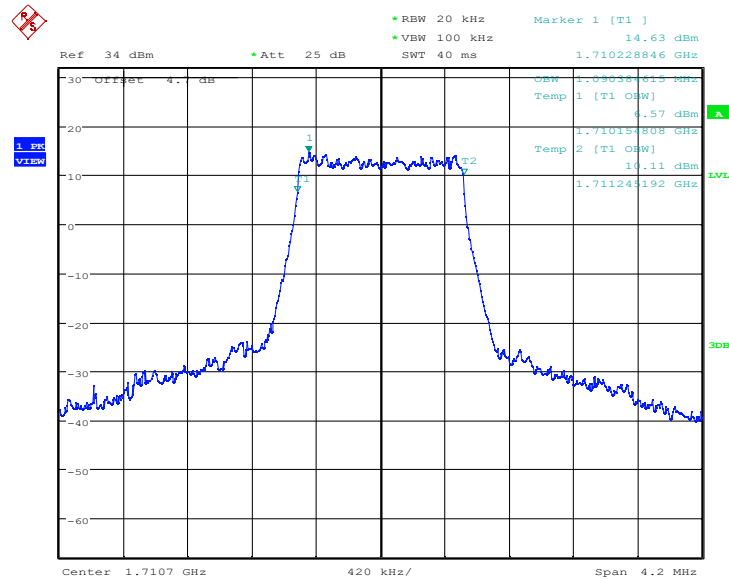
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Date: 8.MAY.2024 14:33:36

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

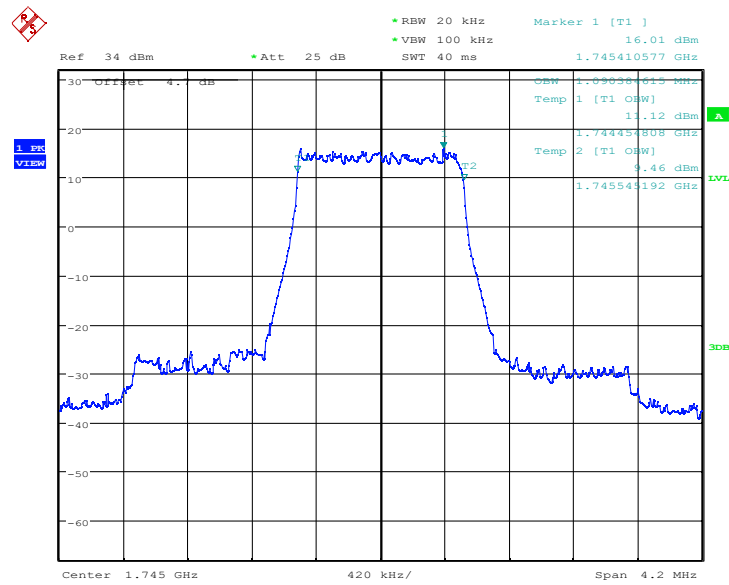


Date: 8.MAY.2024 14:34:01

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

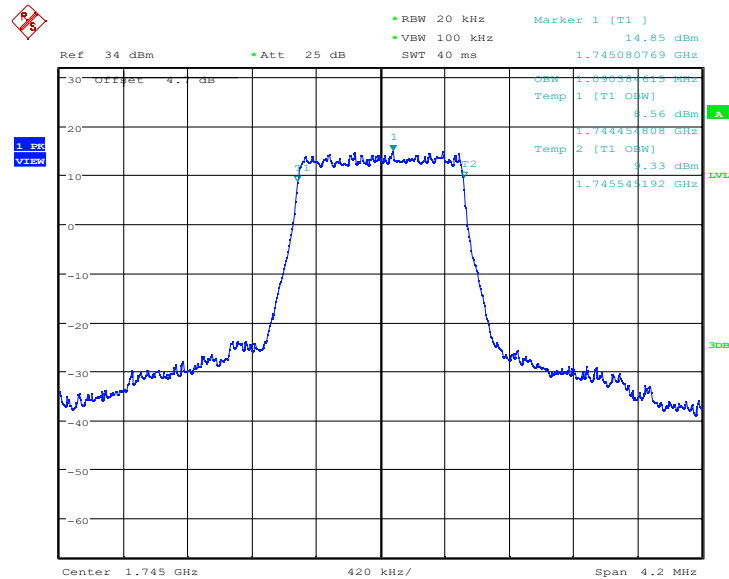
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Date: 8.MAY.2024 14:34:27

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

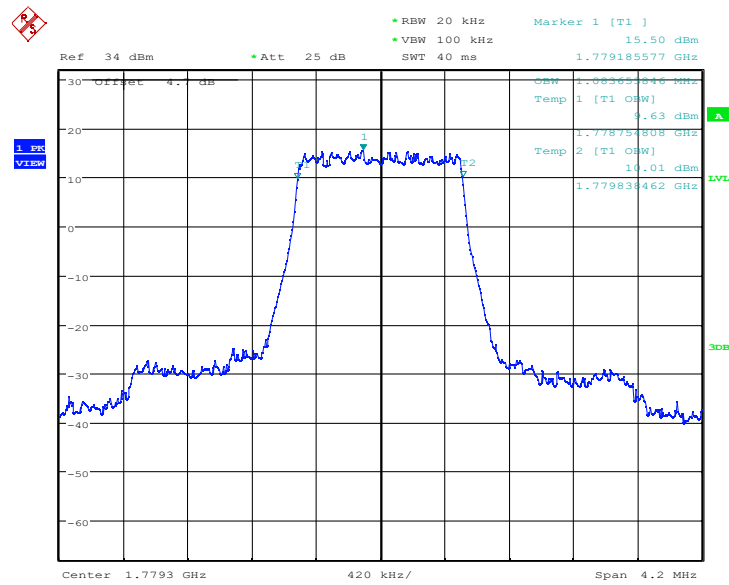


Date: 8.MAY.2024 14:34:51

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

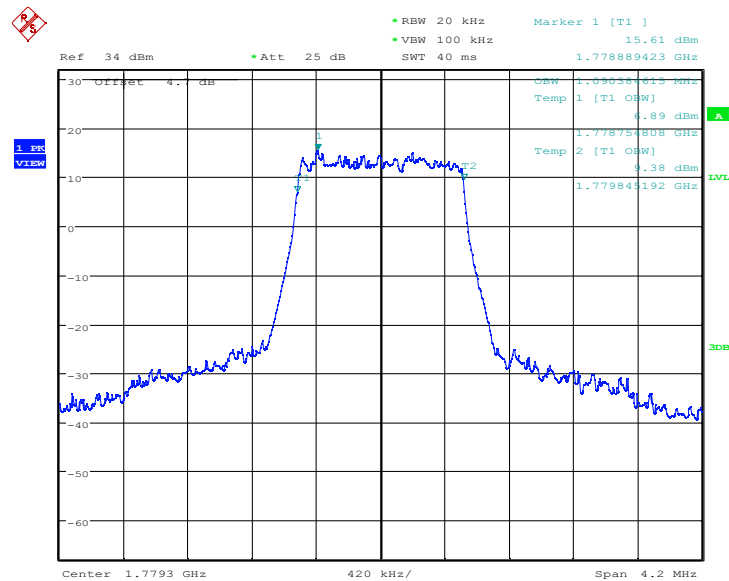
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Date: 8.MAY.2024 14:35:17

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



Date: 8.MAY.2024 14:35:42

LTE band 66,3MHz(99%)

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

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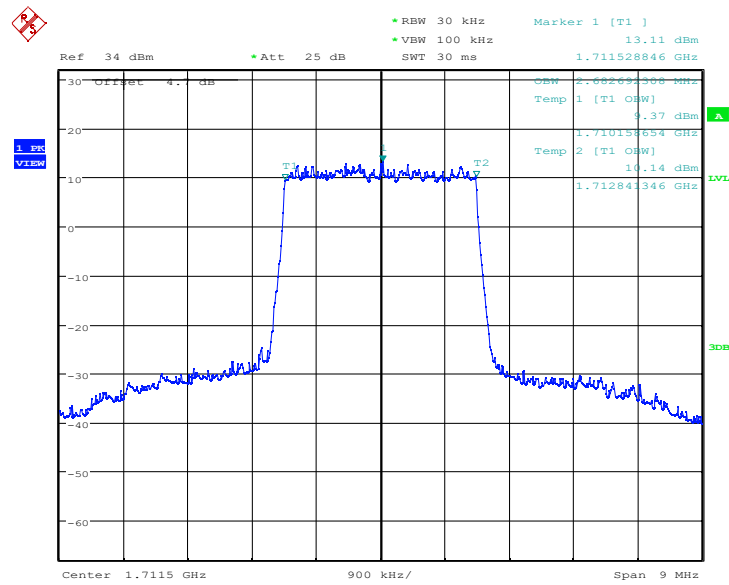
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777



1711.5	2.697	2.683
1745	2.697	2.683
1778.5	2.683	2.697

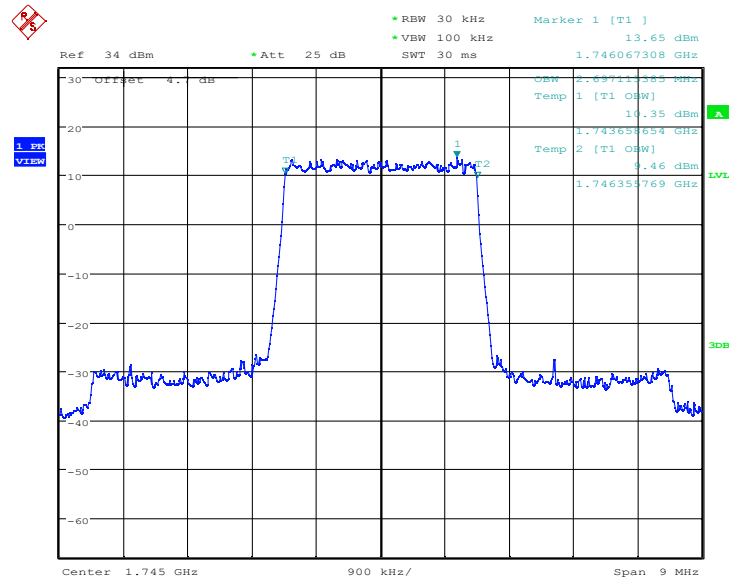
[illegible]

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Date: 8.MAY.2024 14:36:41

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

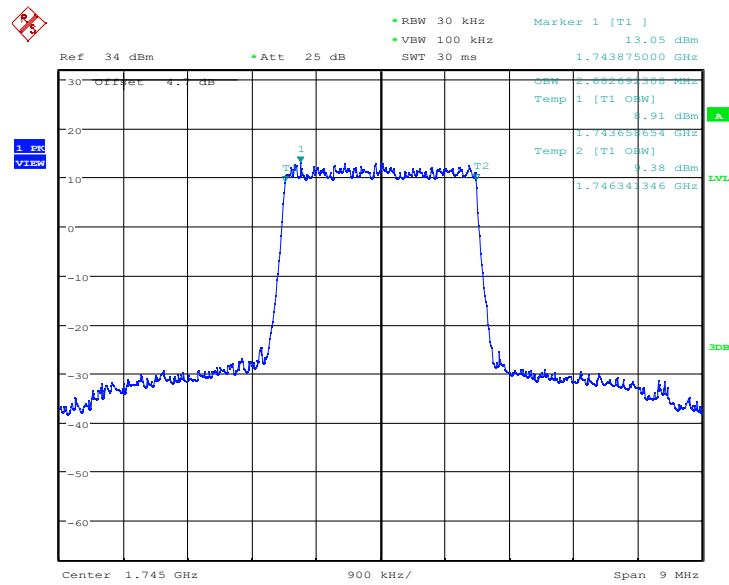


Date: 8.MAY.2024 14:37:07

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

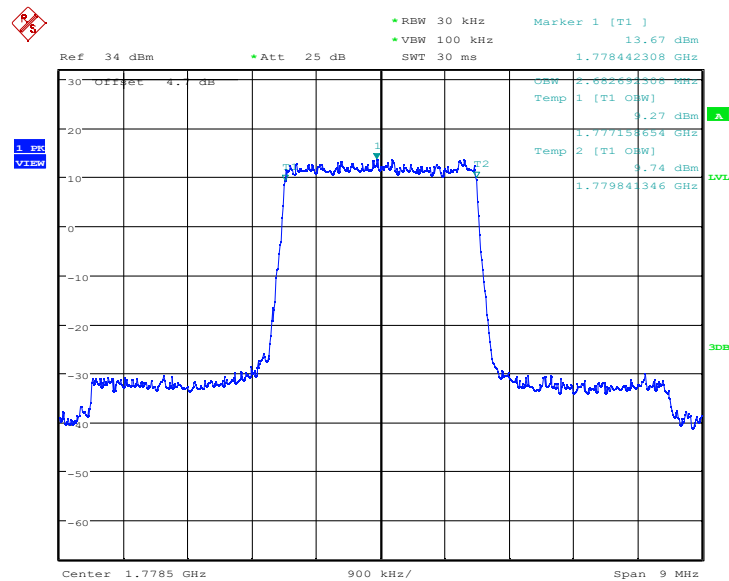
Chongqing Academy of Information and Communication Technology

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Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 8.MAY.2024 14:37:31

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

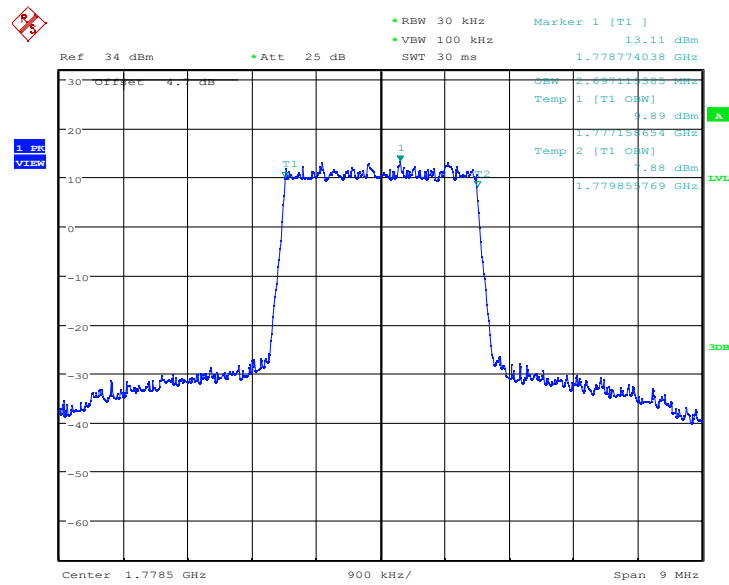


Date: 8.MAY.2024 14:37:57

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

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Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 8.MAY.2024 14:38:23

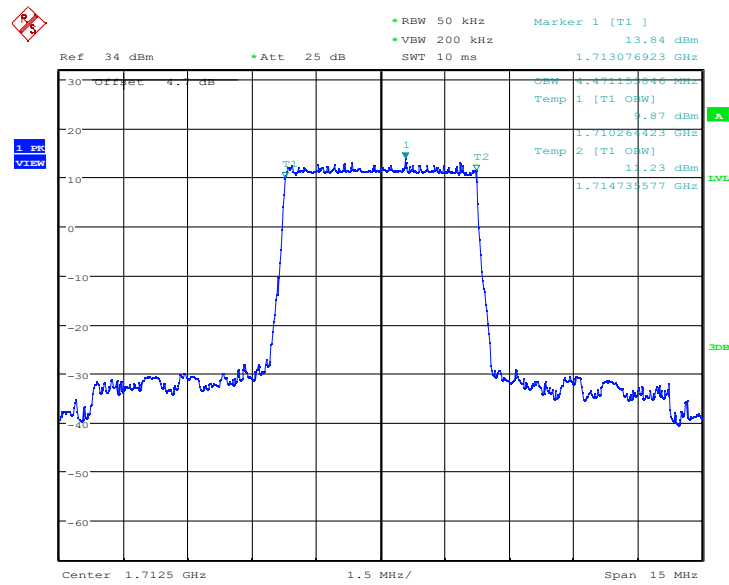
LTE band 66,5MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1712.5	4.471	4.471
1745	4.471	4.471
1777.5	4.471	4.471

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

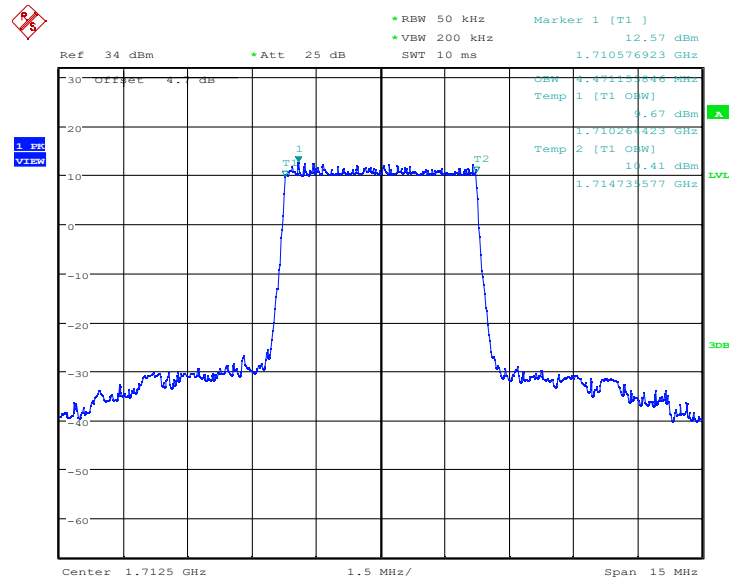
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Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 8.MAY.2024 14:38:57

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

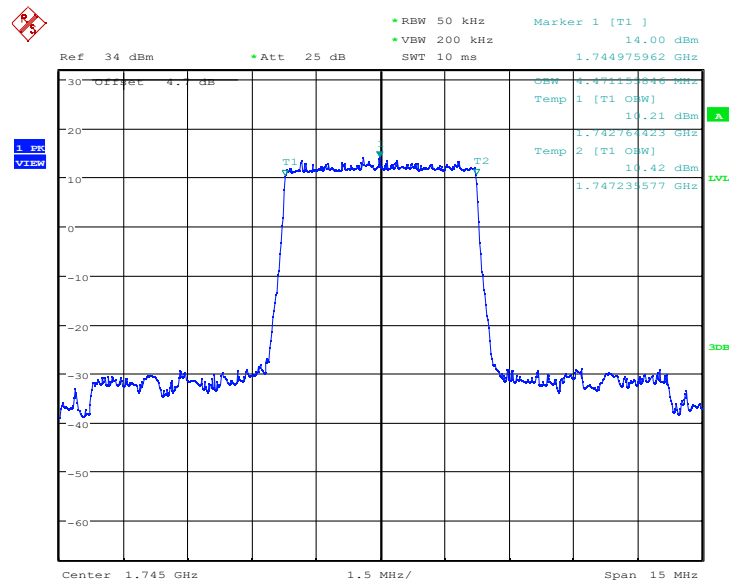


Date: 8.MAY.2024 14:39:20

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

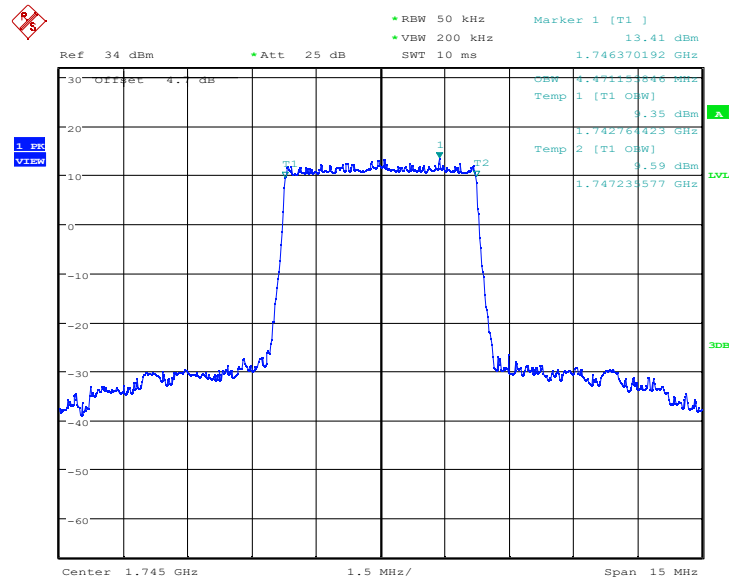
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Date: 8.MAY.2024 14:39:49

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

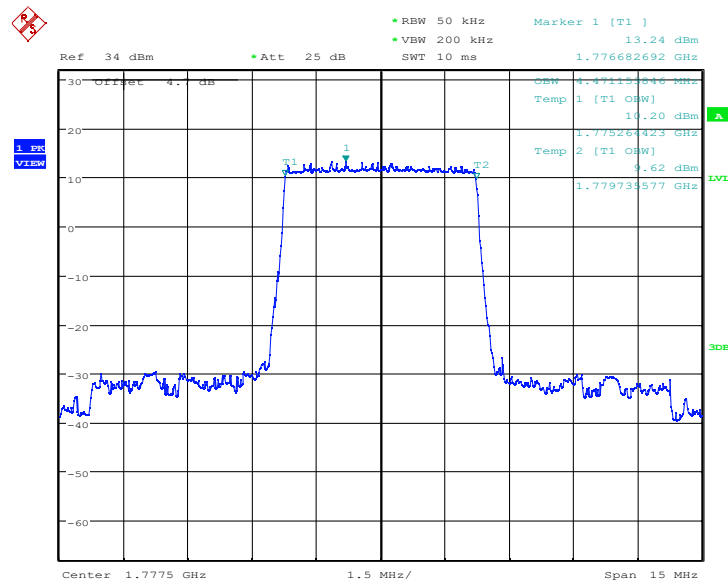


Date: 8.MAY.2024 14:40:13

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

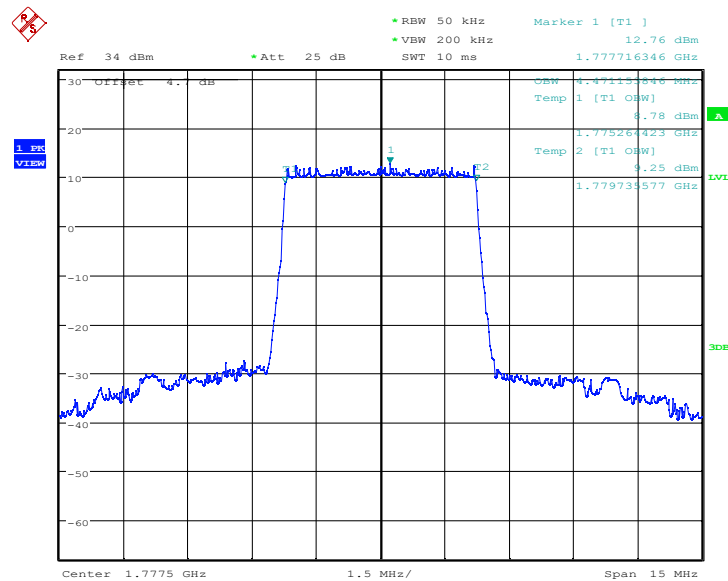
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Date: 8.MAY.2024 14:40:39

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



Date: 8.MAY.2024 14:41:08

LTE band 66,10MHz(99%)

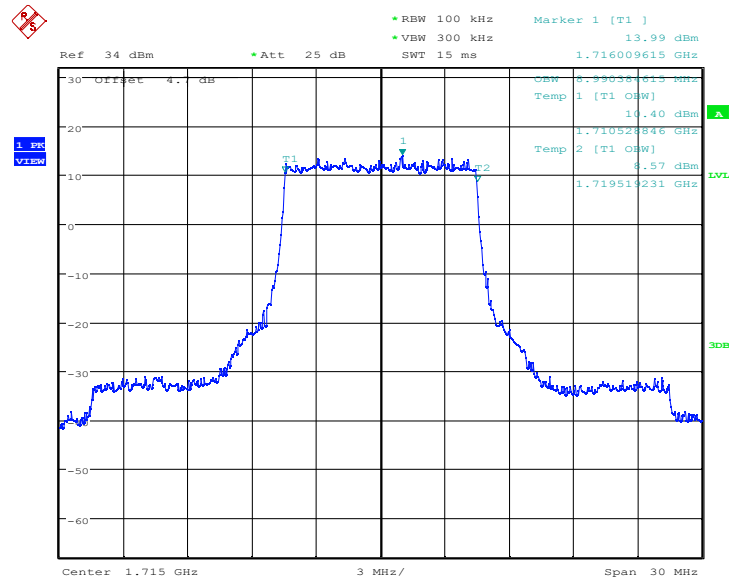
Frequency (MHz)	Occupied Bandwidth (99%)(MHz)
	QPSK

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1715	8.990
1745	8.942
1775	8.942

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

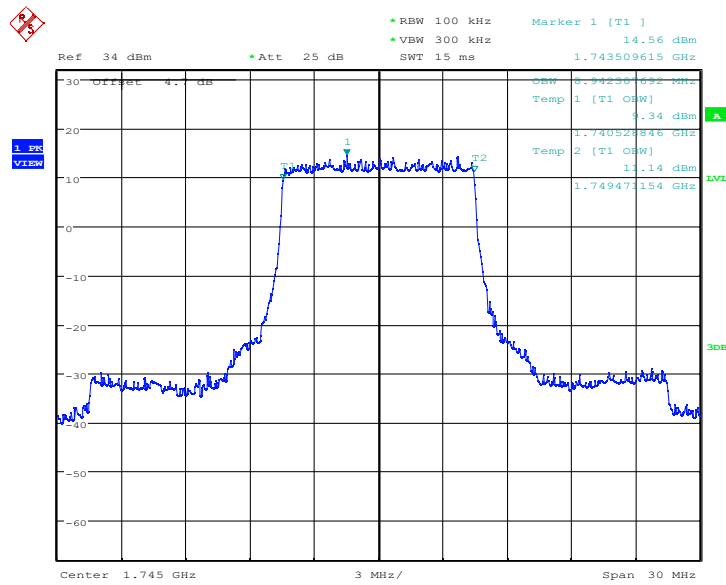


Date: 8.MAY.2024 14:41:42

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

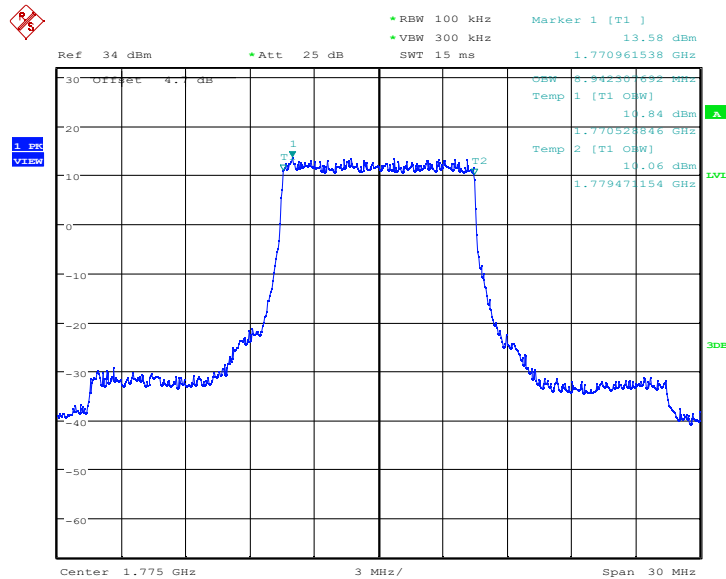
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Date: 8.MAY.2024 14:42:21

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



Date: 8.MAY.2024 14:42:49

LTE band 66,15MHz(99%)

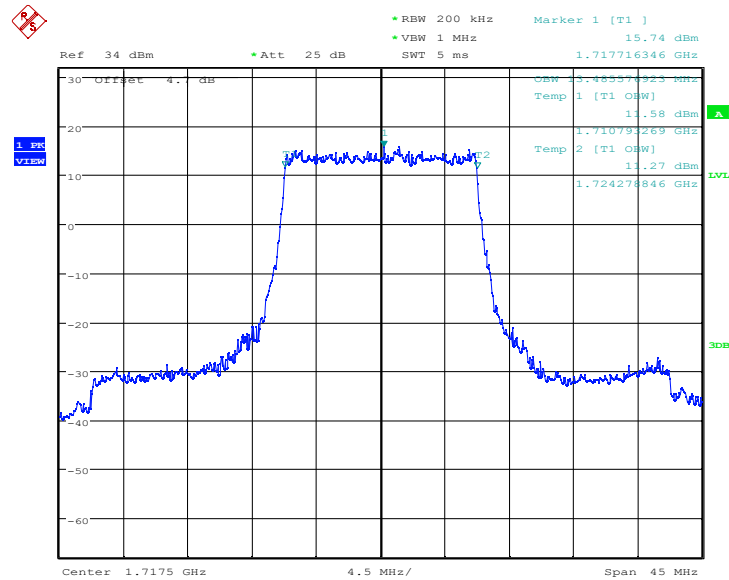
Frequency (MHz)	Occupied Bandwidth (99%)(MHz)
	QPSK

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1717.5	13.486
1745	13.486
1772.5	13.486

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

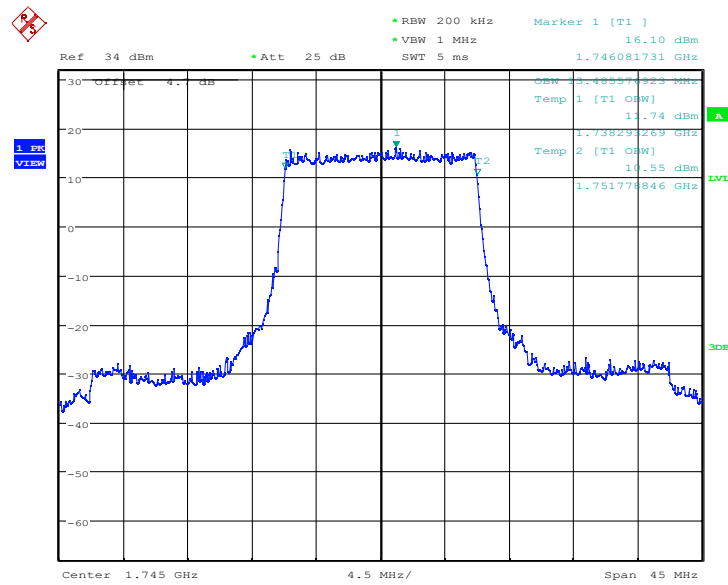


Date: 8.MAY.2024 14:43:28

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

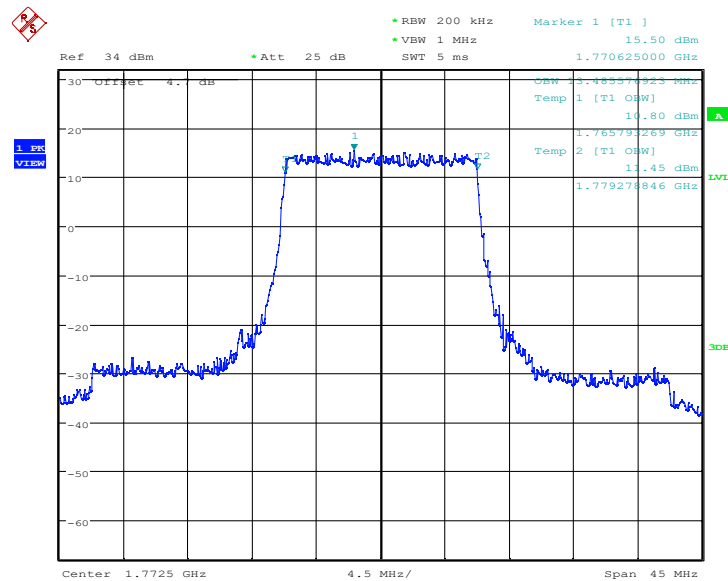
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Date: 8.MAY.2024 14:43:58

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



Date: 8.MAY.2024 14:44:27

LTE band 66,20MHz(99%)

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

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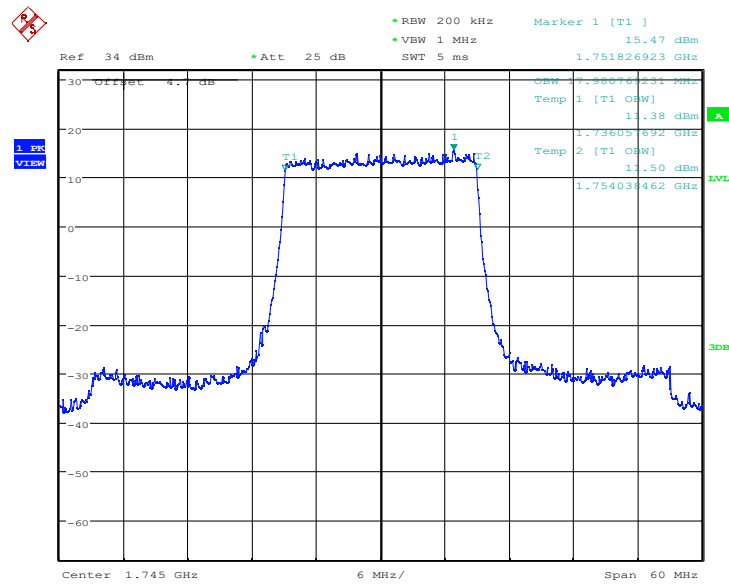


1720	17.981
1745	17.981
1770	17.981

[illegible]

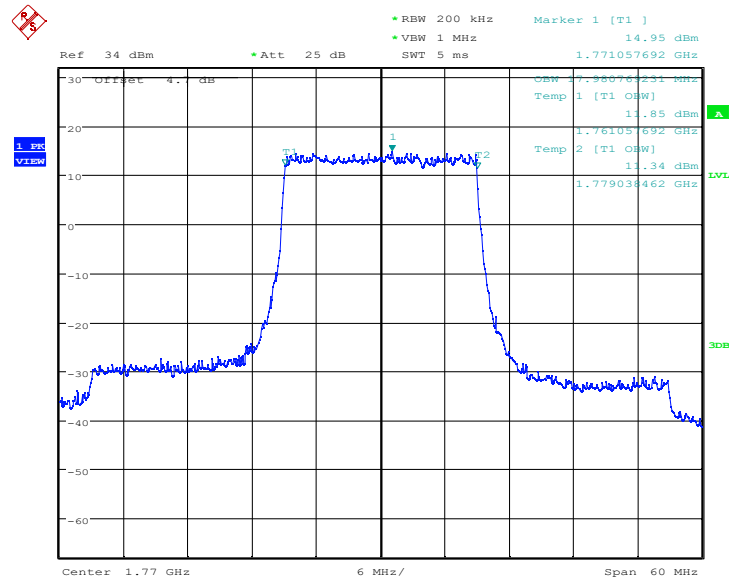
LTE band 66 , 20MHz Bandwidth,MID,QPSK (99% BW)

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Date: 8.MAY.2024 14:45:34

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



Date: 8.MAY.2024 14:46:48

LTE band 71,5MHz(99%)

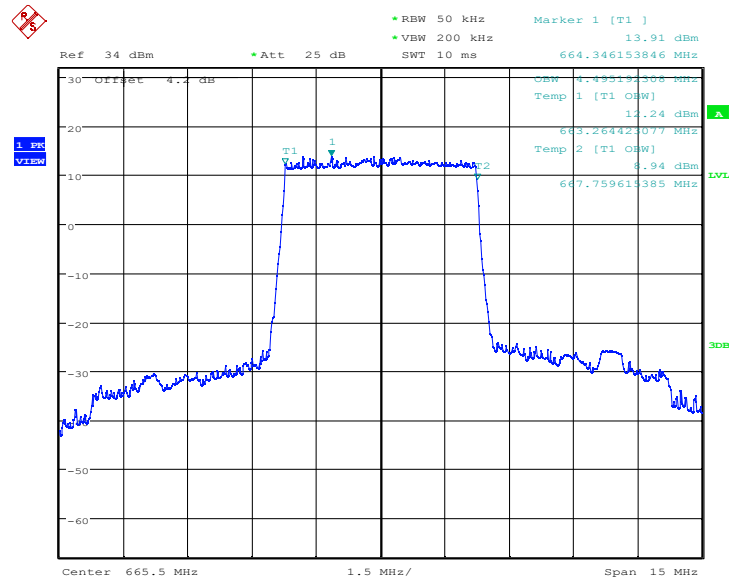
Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM

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665.5	4.495	4.471
680.5	4.495	4.495
695.5	4.471	4.471

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

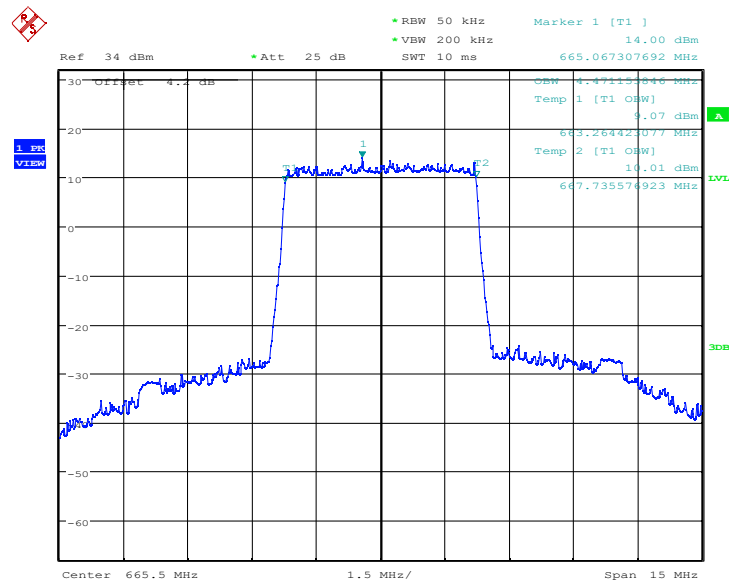


Date: 8.MAY.2024 14:47:53

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

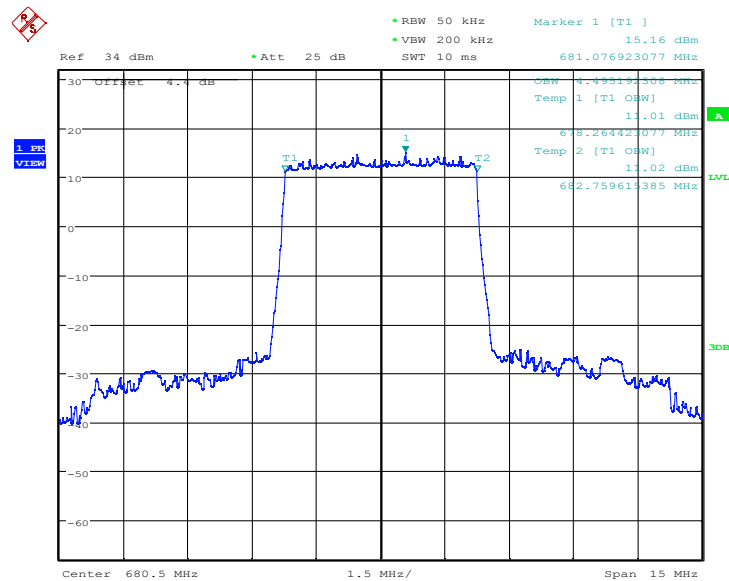
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Date: 8.MAY.2024 14:48:17

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

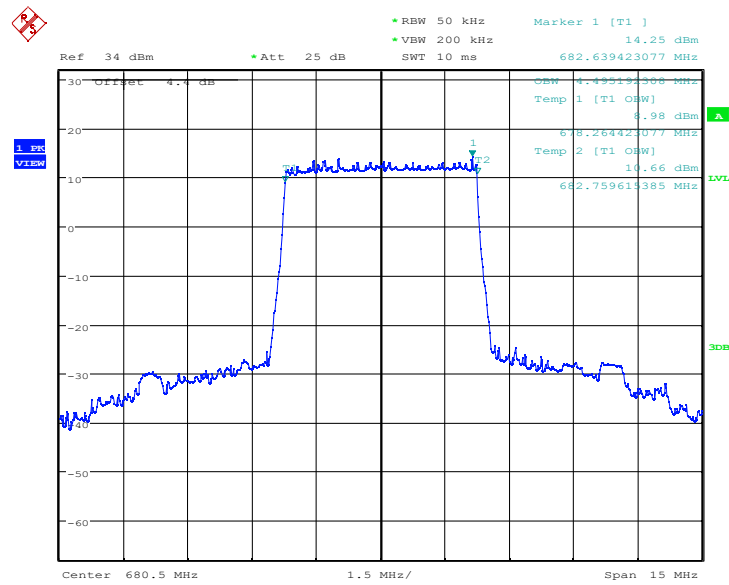


Date: 8.MAY.2024 14:48:45

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

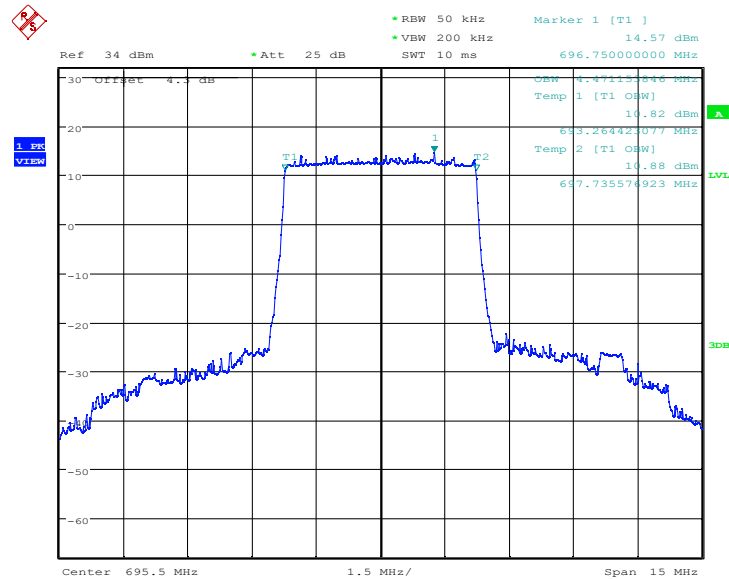
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Date: 8.MAY.2024 14:49:08

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

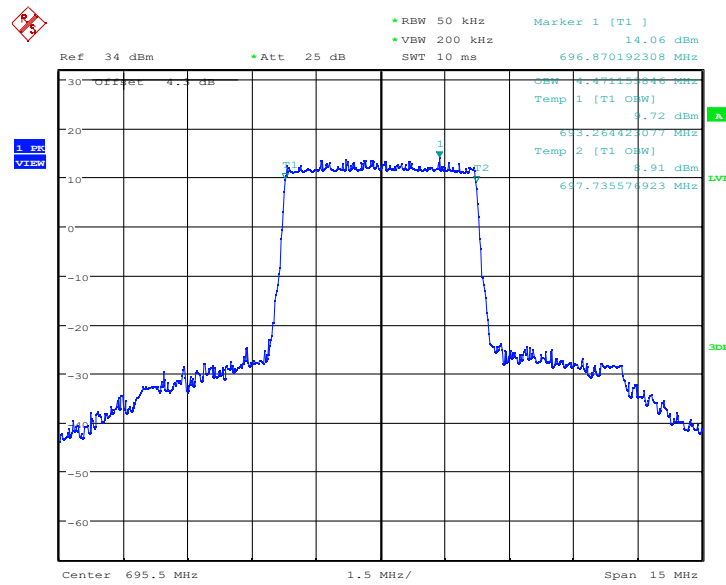


Date: 8.MAY.2024 14:49:35

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

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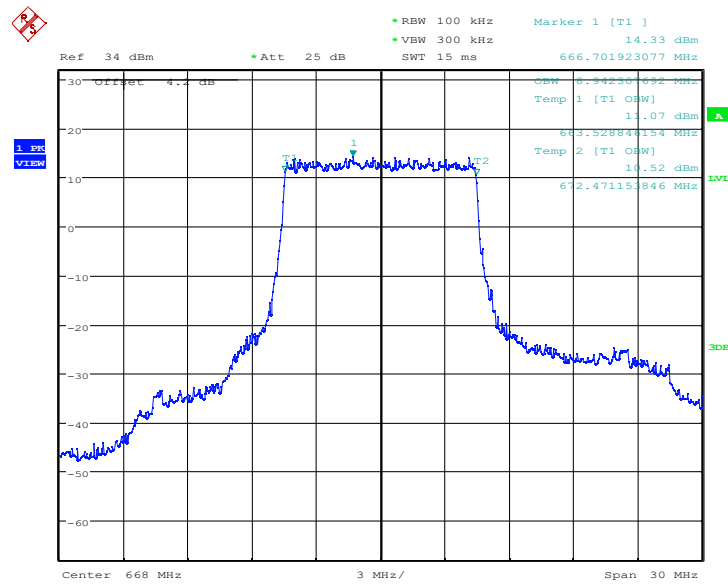


Date: 8.MAY.2024 14:50:02

LTE band 71,10MHz(99%)

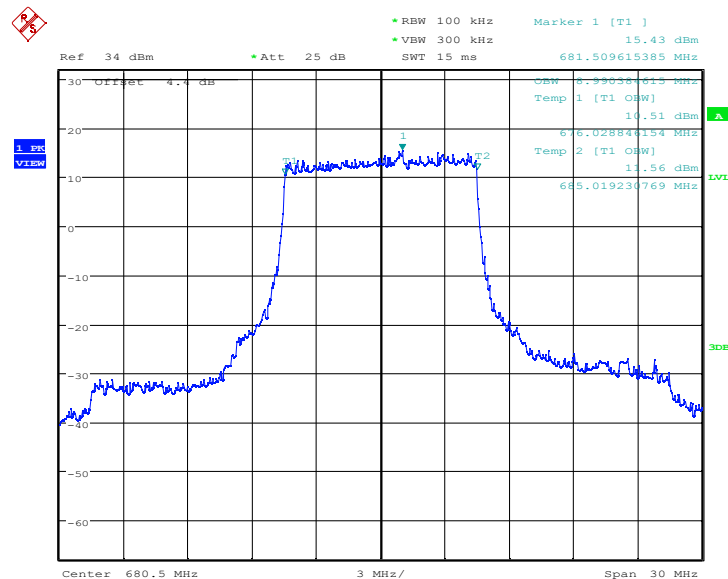
Frequency (MHz)	Occupied Bandwidth (99%)(MHz)
	QPSK
668	8.942
680.5	8.990
693	8.942

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



Date: 8.MAY.2024 14:51:08

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

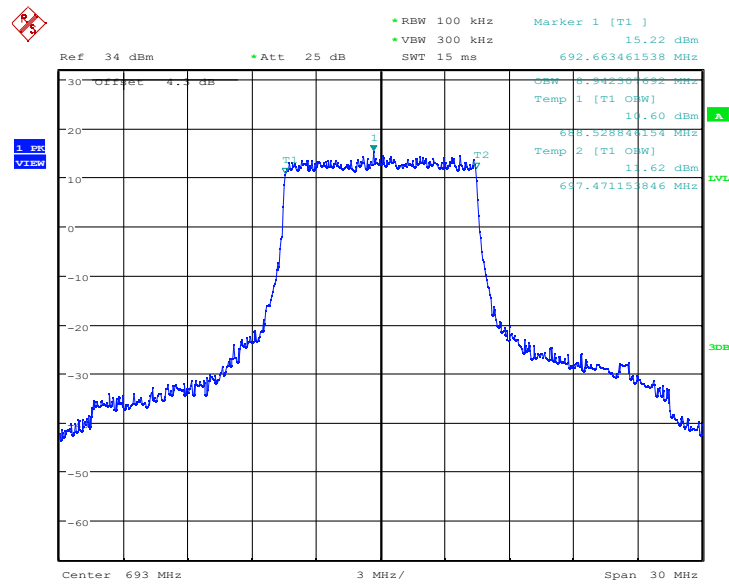


Date: 8.MAY.2024 14:51:39

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

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Date: 8.MAY.2024 14:52:09

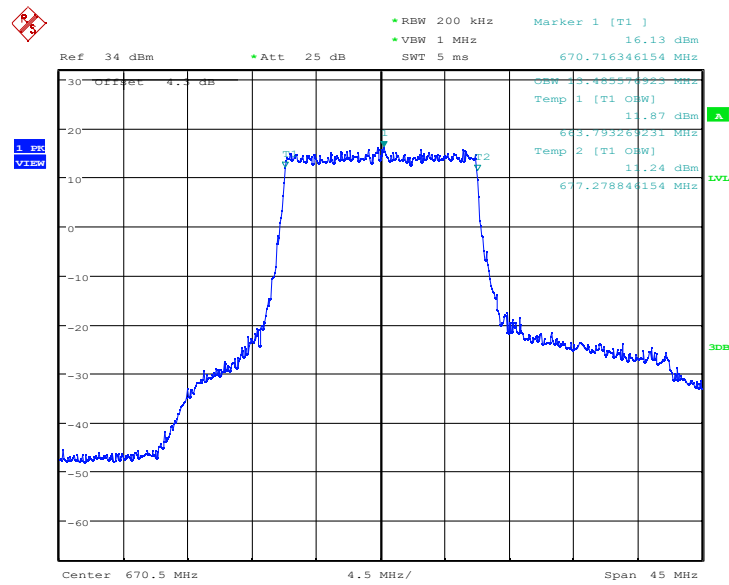
LTE band 71,15MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)
	QPSK
670.5	13.486
680.5	13.486
690.5	13.486

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

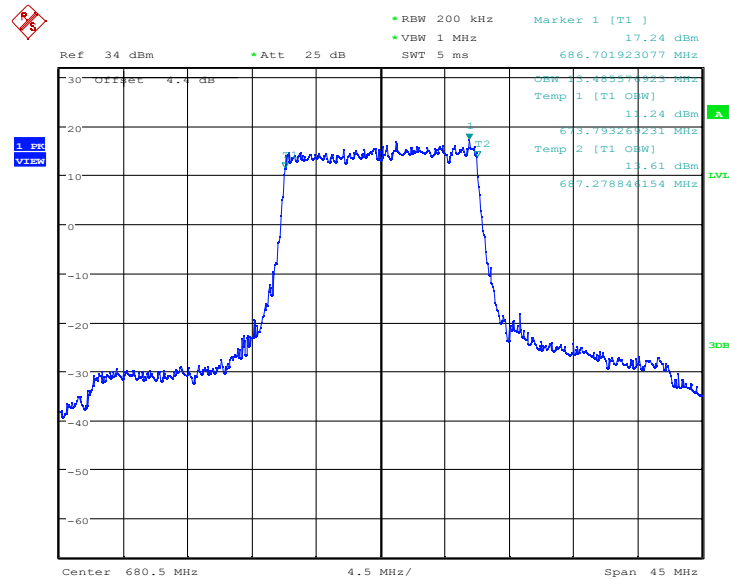
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Date: 8.MAY.2024 14:53:16

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

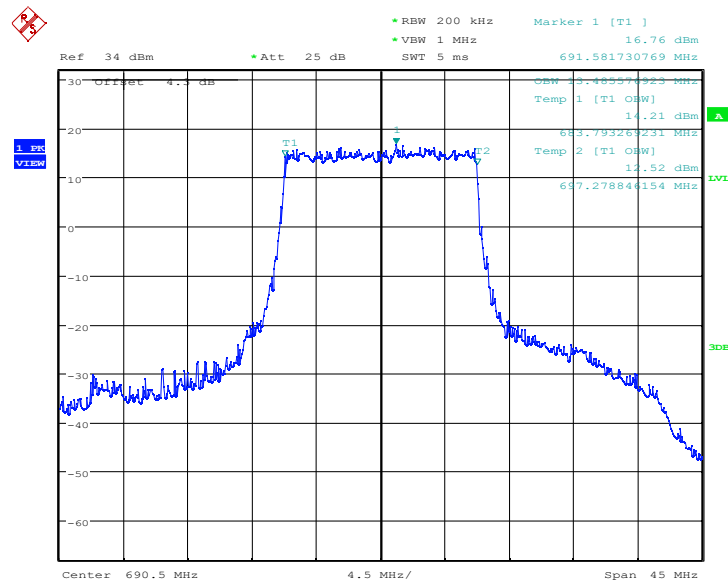


Date: 8.MAY.2024 14:53:44

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

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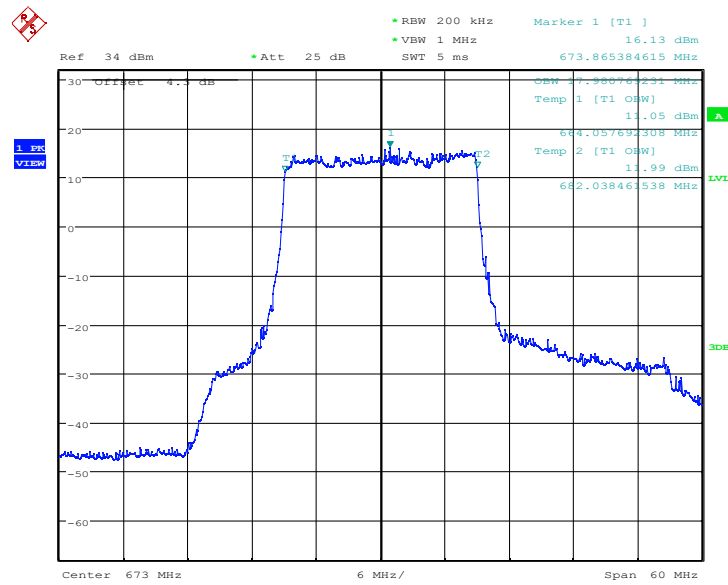


Date: 8.MAY.2024 14:54:10

LTE band 71,20MHz(99%)

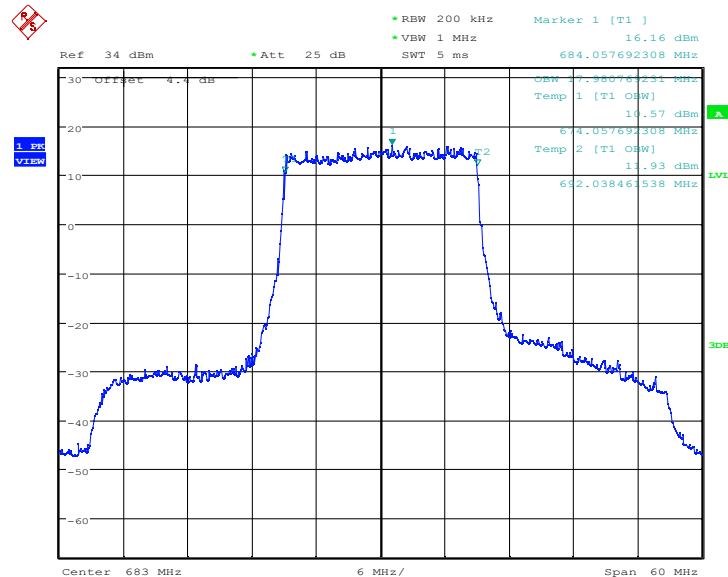
Frequency (MHz)	Occupied Bandwidth (99%)(MHz)
	QPSK
673	17.981
683	17.981
688	17.981

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



Date: 8.MAY.2024 14:55:07

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



Date: 8.MAY.2024 14:55:35

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

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The screenshot displays a VectorStar spectrum analyzer interface. The main plot shows a signal spectrum with a blue trace. Two markers, T1 and T2, are placed on the signal. The T1 marker is at approximately 694.826923077 MHz, and the T2 marker is at approximately 697.038461538 MHz. The signal level at T1 is 16.53 dBm, and at T2 it is 13.04 dBm. The signal has a bandwidth of 200 kHz and a resolution bandwidth of 1 MHz. The sweep time is 5 ms. The center frequency is 688 MHz, and the span is 60 MHz. The reference level is 34 dBm, and the attenuation is 25 dB. The signal is identified as 'OSWec 4.1.18'. The interface includes a '1 dB View' button on the left and a '3 dB' label on the right. The bottom status bar shows 'Center 688 MHz', '6 MHz/', and 'Span 60 MHz'.

Parameter	Value
Ref	34 dBm
Att	25 dB
RBW	200 kHz
VBW	1 MHz
SWT	5 ms
Marker 1 [T1]	694.826923077 MHz
Temp 1 [T1 OSW]	16.53 dBm
Temp 2 [T1 OSW]	13.04 dBm
OSWec 4.1.18	697.038461538 MHz

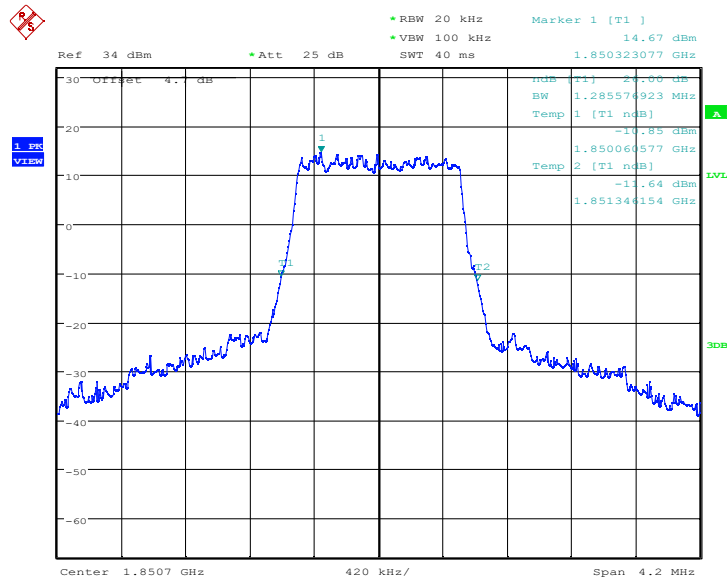
LTE band 2,1.4MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
1850.7	1.279	1.286
1880	1.299	1.299
1909.3	1.272	1.292

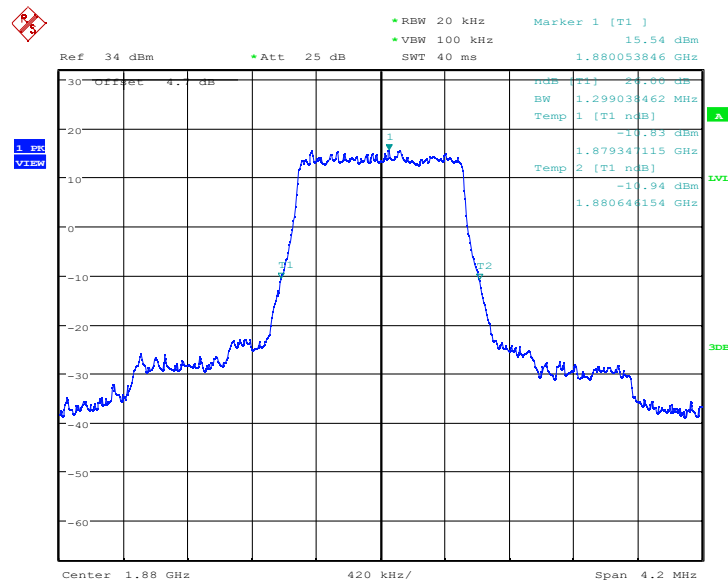
LTE band 2 , 1.4MHz Bandwidth,LOW,QPSK (-26dBc BW)

[illegible]

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

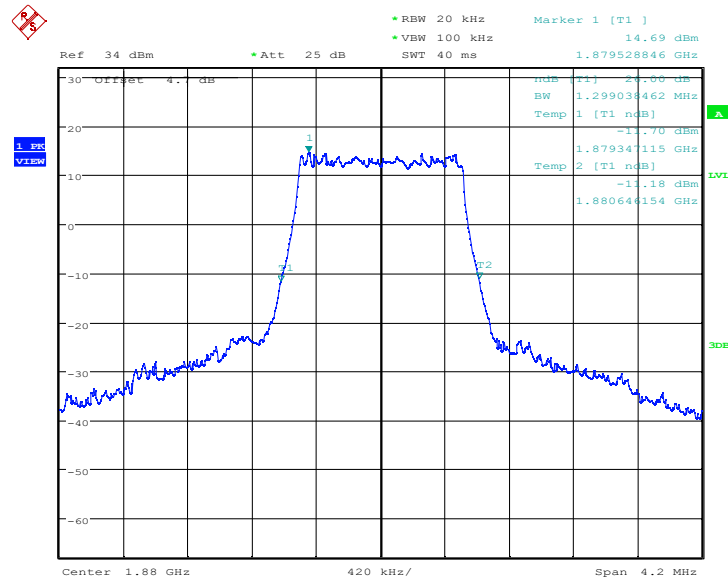


LTE band 2 , 1.4MHz Bandwidth,MID,QPSK (-26dBc BW)



Date: 8.MAY.2024 15:00:27

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

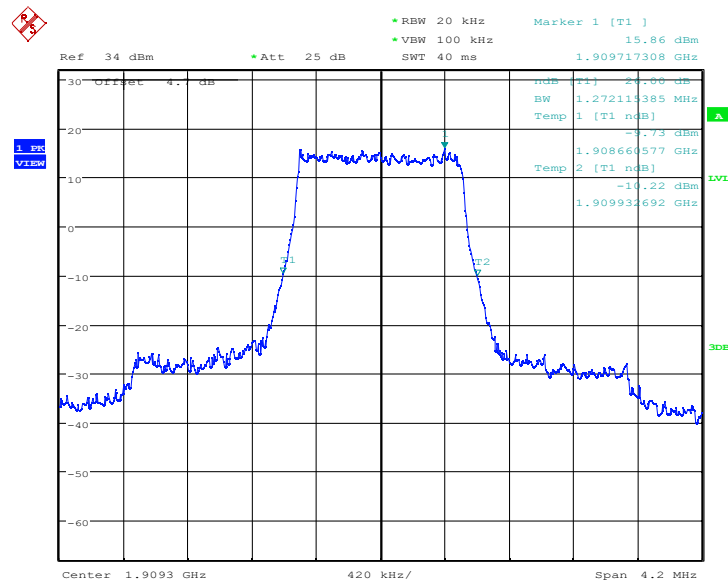


Date: 8.MAY.2024 15:00:50

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

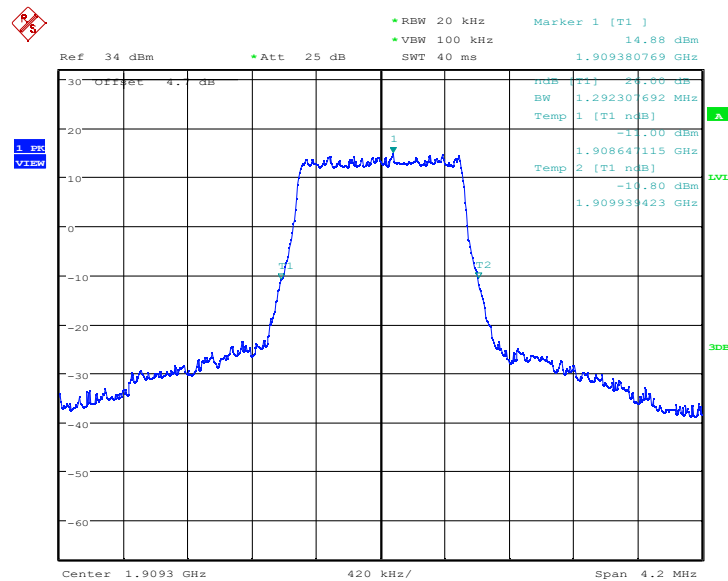
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Date: 8.MAY.2024 15:01:18

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



Date: 8.MAY.2024 15:01:46

LTE band 2,3MHz(-26dBc)

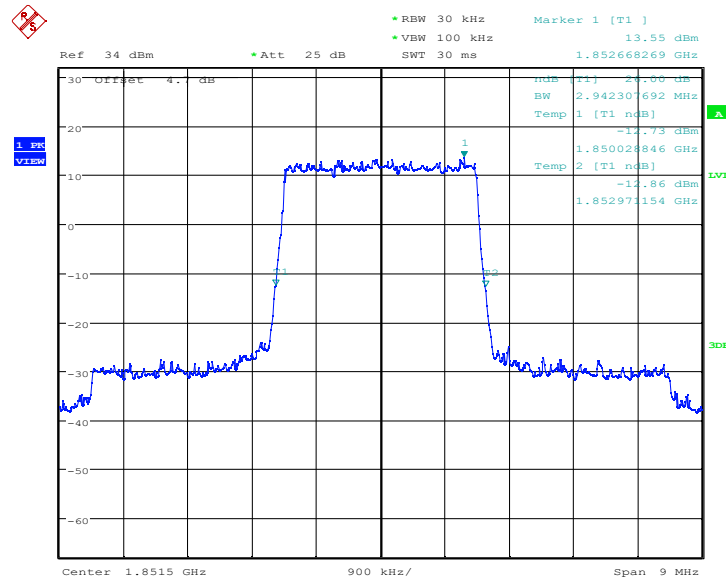
Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM

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1851.5	2.942	2.957
1880	2.942	2.913
1908.5	2.928	2.942

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

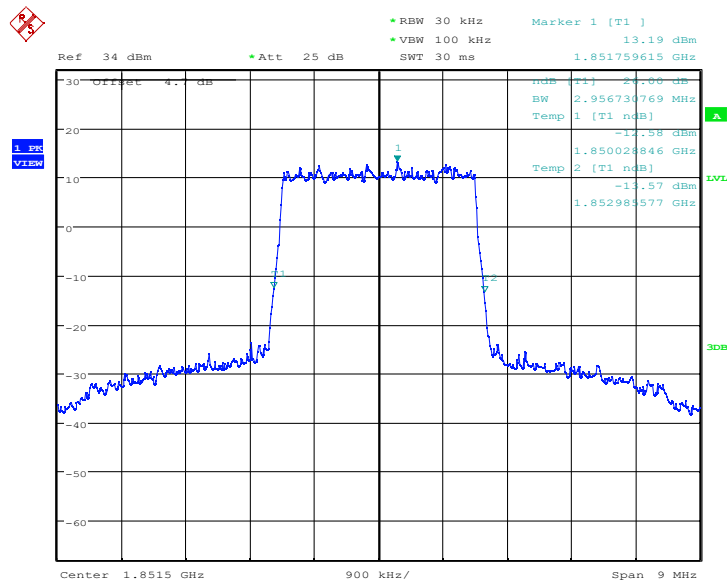


Date: 8.MAY.2024 15:02:43

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

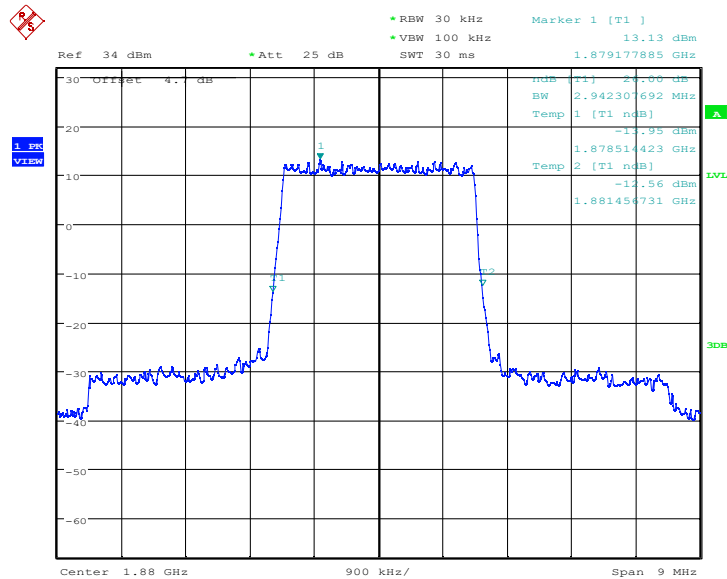
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Date: 8.MAY.2024 15:03:05

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

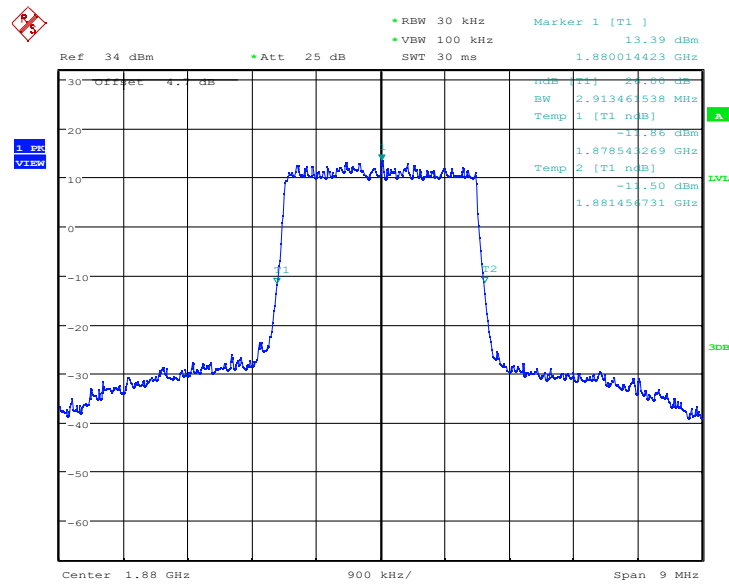


Date: 8.MAY.2024 15:03:33

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

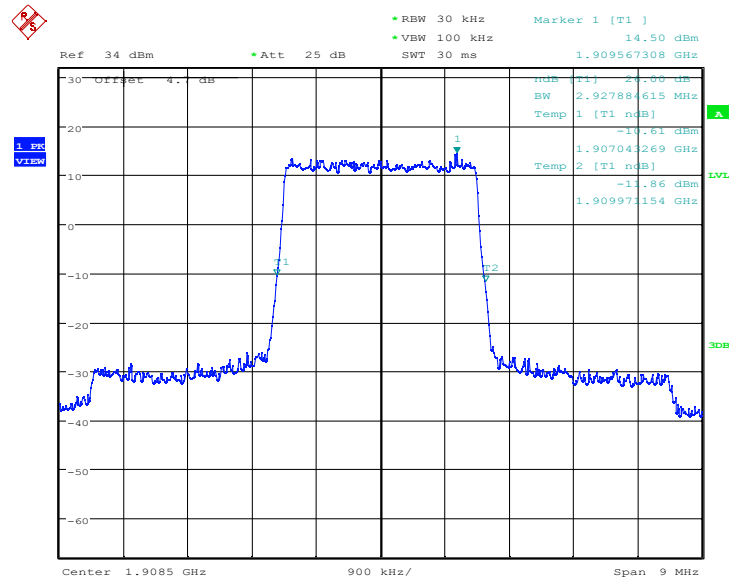
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Date: 8.MAY.2024 15:03:56

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

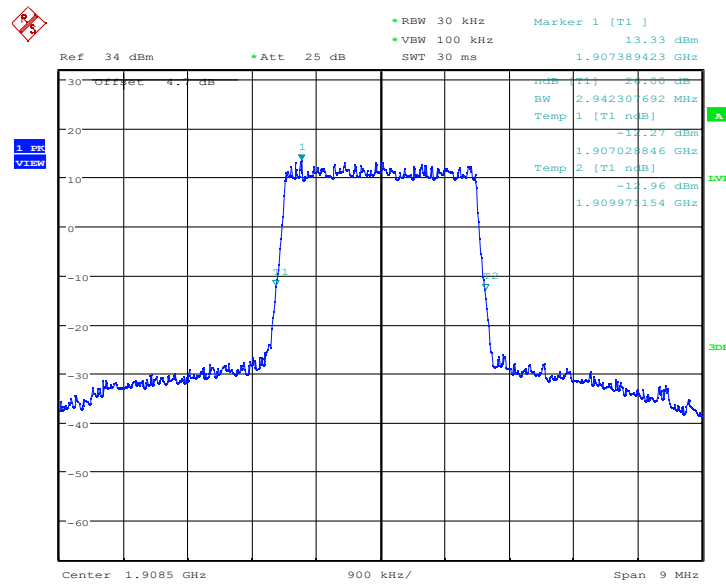


Date: 8.MAY.2024 15:04:23

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

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Date: 8.MAY.2024 15:04:45

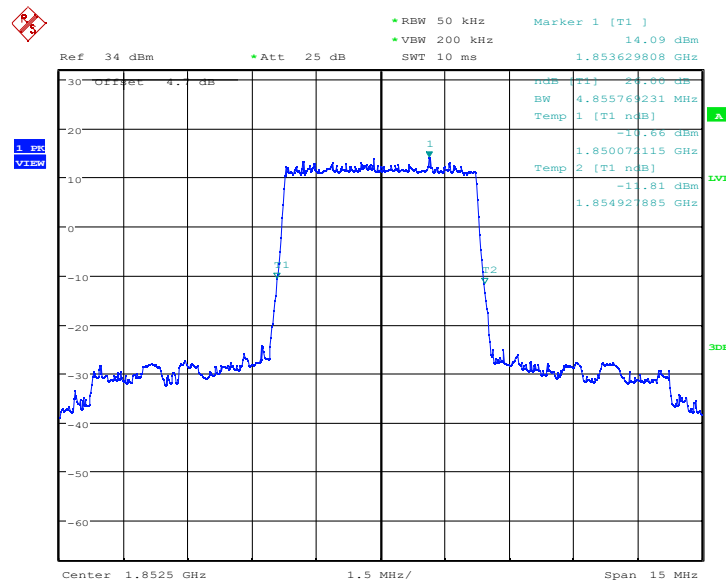
LTE band 2,5MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
1852.5	4.856	4.832
1880	4.856	4.856
1907.5	4.856	4.880

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

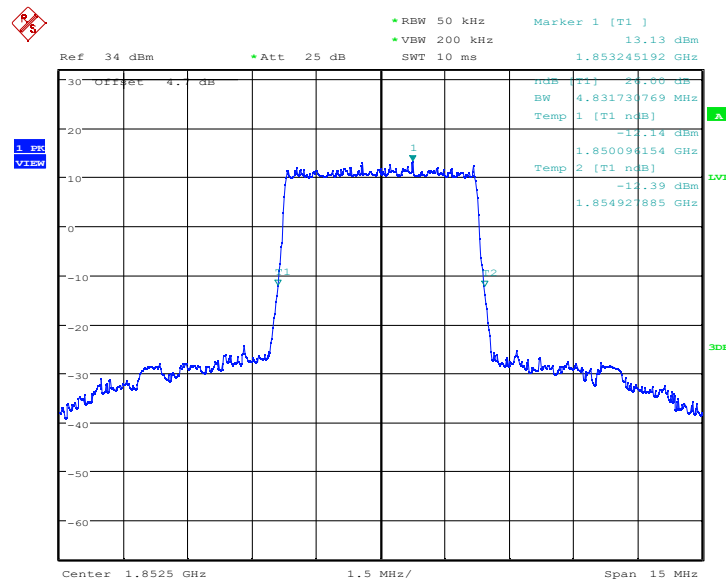
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Date: 8.MAY.2024 15:05:42

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

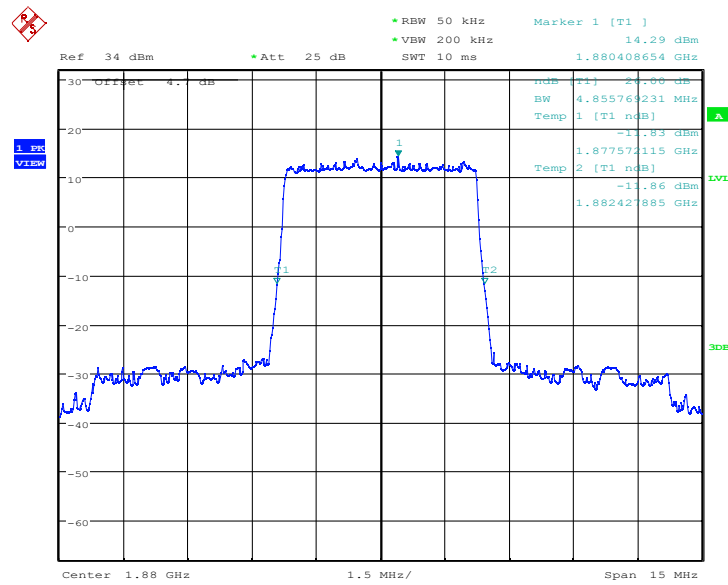


Date: 8.MAY.2024 15:06:06

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

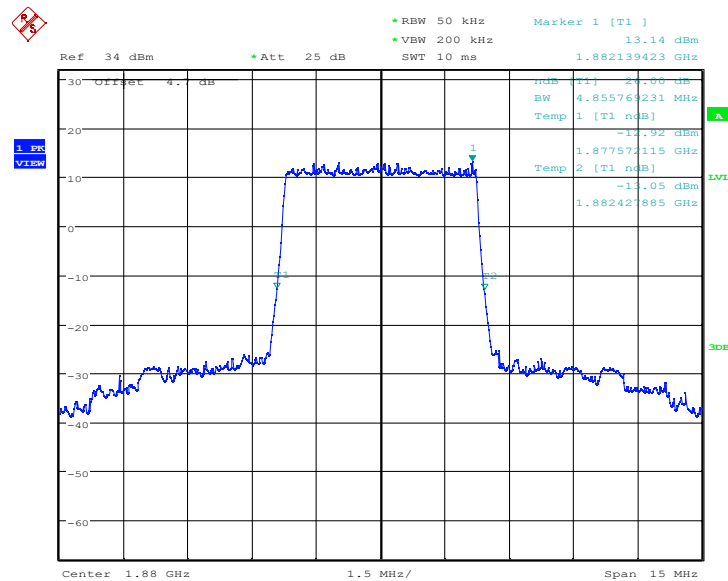
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Date: 8.MAY.2024 15:06:32

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

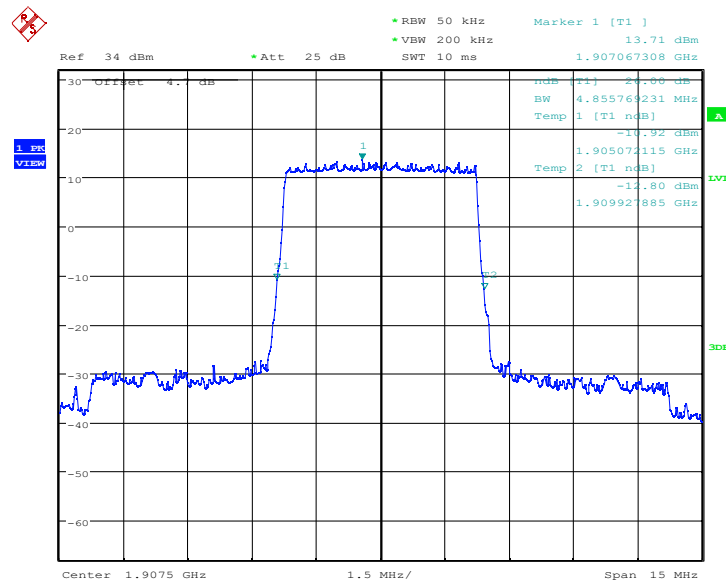


Date: 8.MAY.2024 15:07:03

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

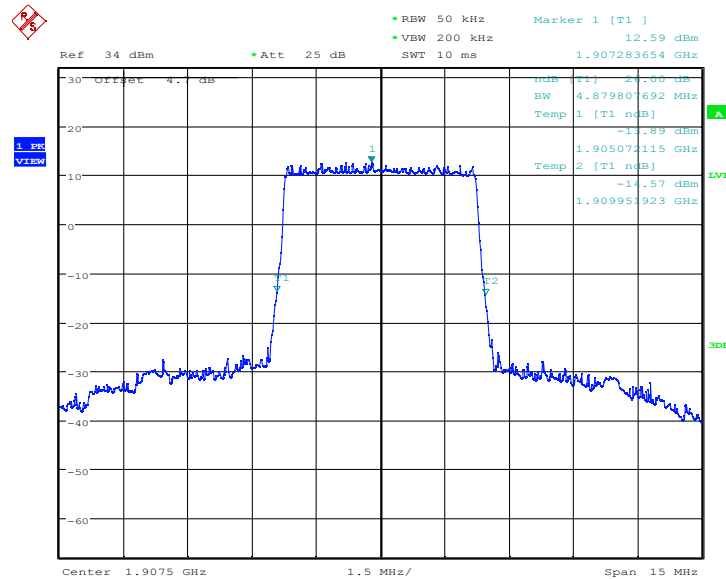
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Date: 8.MAY.2024 15:07:31

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



Date: 8.MAY.2024 15:07:54

LTE band 2,10MHz(-26dBc)

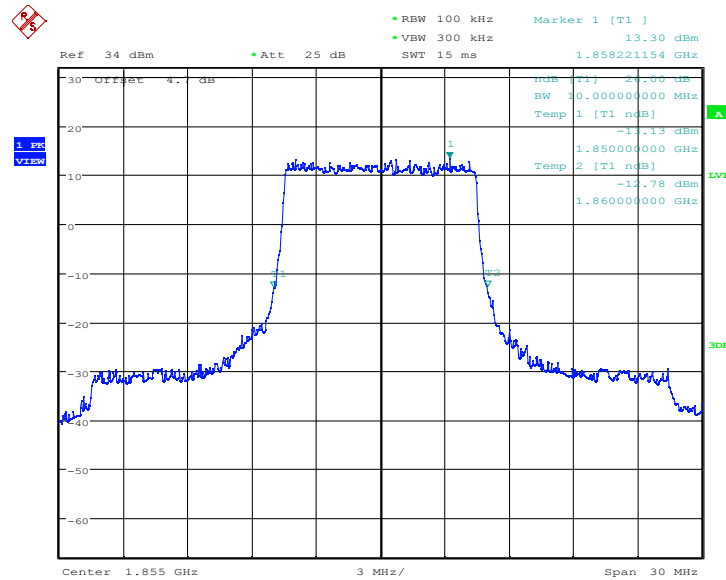
Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)
	QPSK

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1855	10.000
1880	9.952
1905	9.904

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

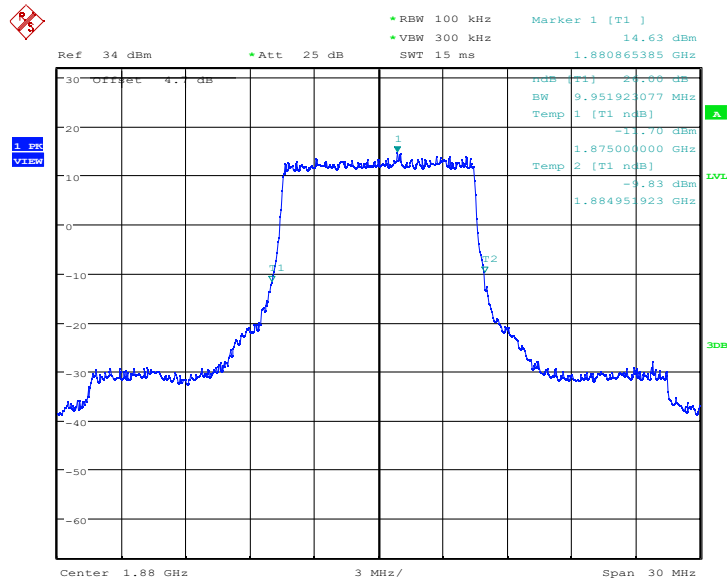


Date: 8.MAY.2024 15:08:53

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

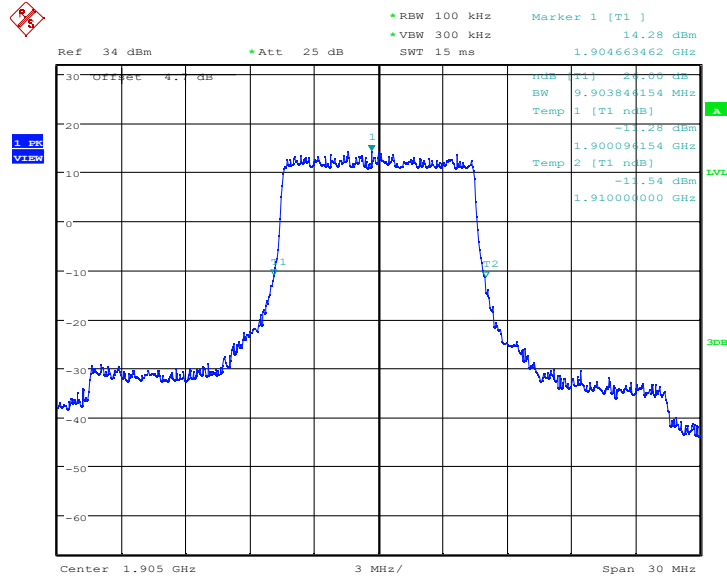
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Date: 8.MAY.2024 15:09:23

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



Date: 8.MAY.2024 15:09:52

LTE band 2,15MHz(-26dBc)

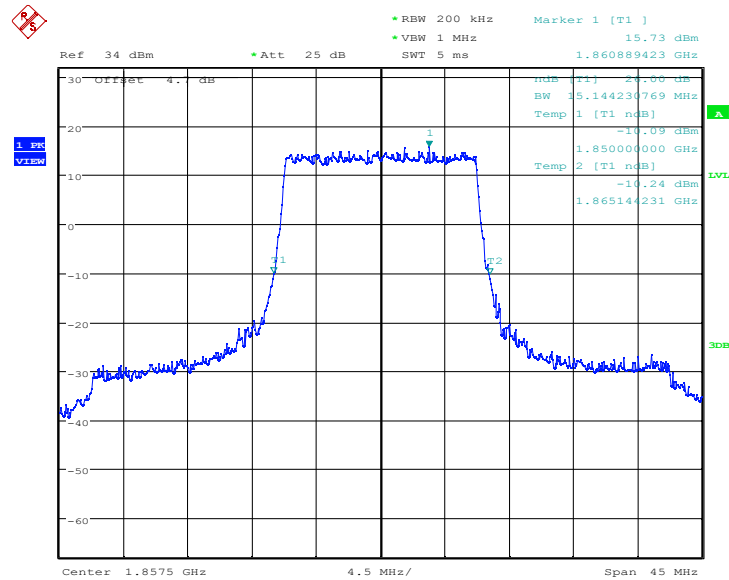
Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)
	QPSK

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1857.5	15.144
1880	15.361
1902.5	15.144

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

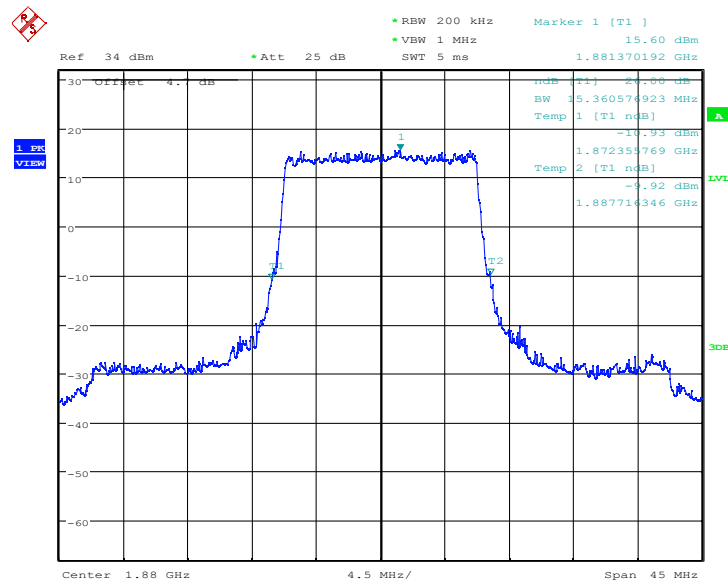


Date: 8.MAY.2024 15:11:00

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

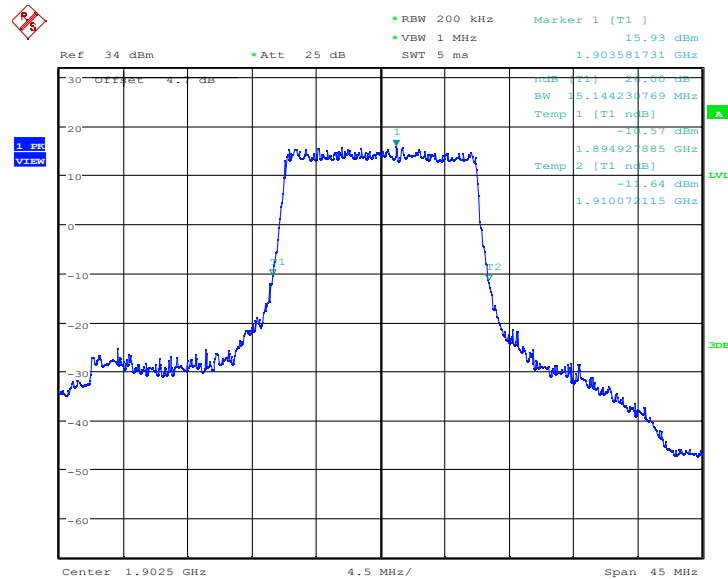
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Date: 8.MAY.2024 15:11:28

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



Date: 8.MAY.2024 15:11:58

LTE band 2,20MHz(-26dBc)

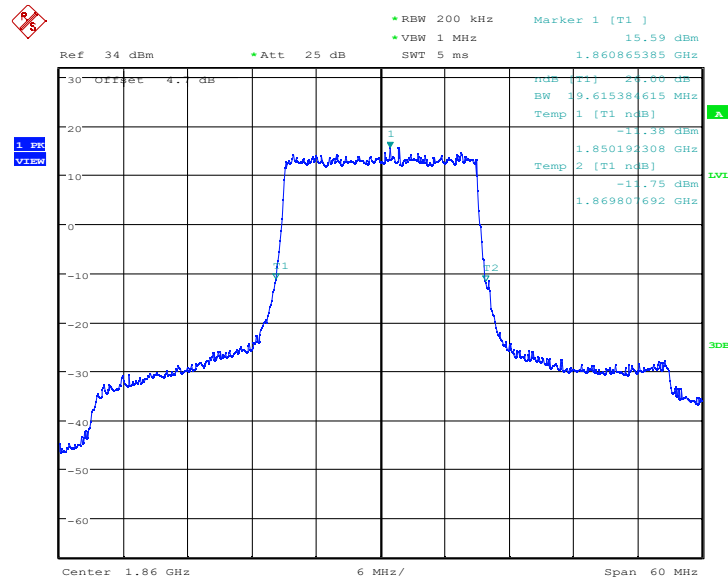
Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)
	QPSK

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1860	19.615
1880	19.712
1900	19.808

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

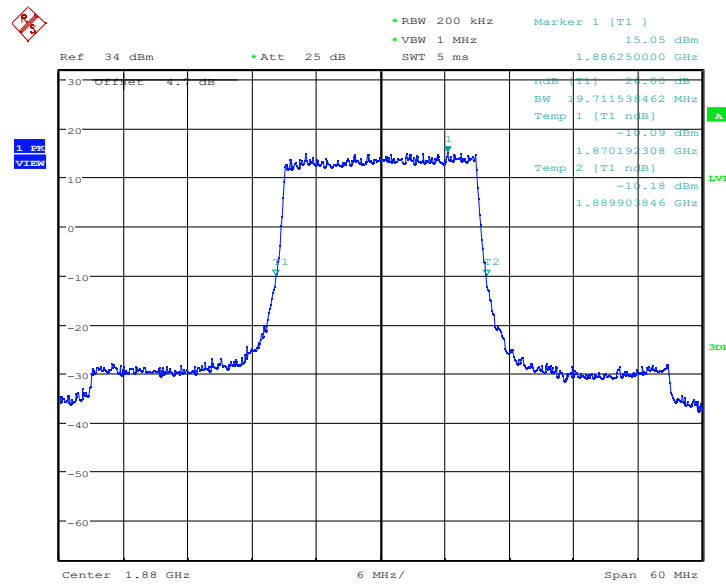


Date: 8.MAY.2024 15:12:55

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

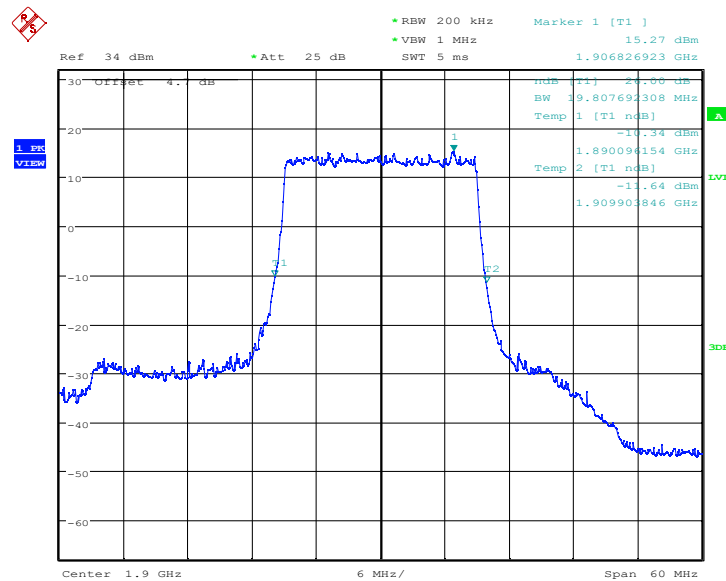
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Date: 8.MAY.2024 15:13:20

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



Date: 8.MAY.2024 15:13:46

LTE band 4,1.4MHz(-26dBc)

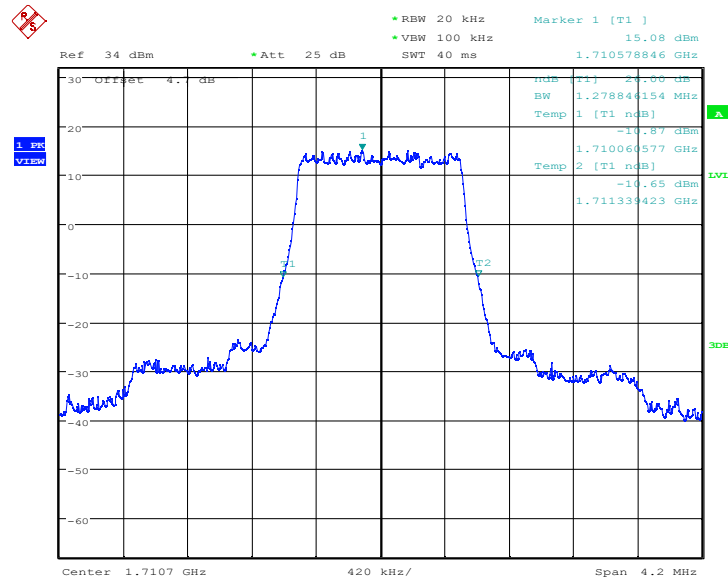
Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM

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1710.7	1.279	1.272
1732.5	1.286	1.299
1754.3	1.272	1.286

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

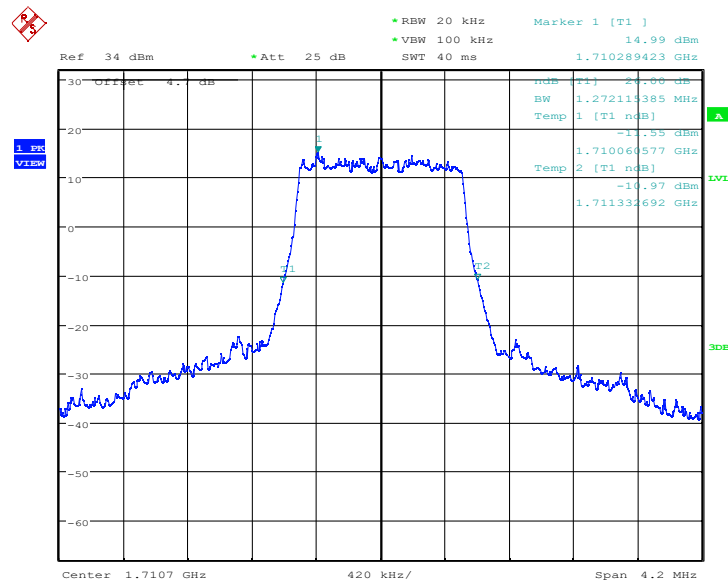


Date: 8.MAY.2024 15:16:18

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

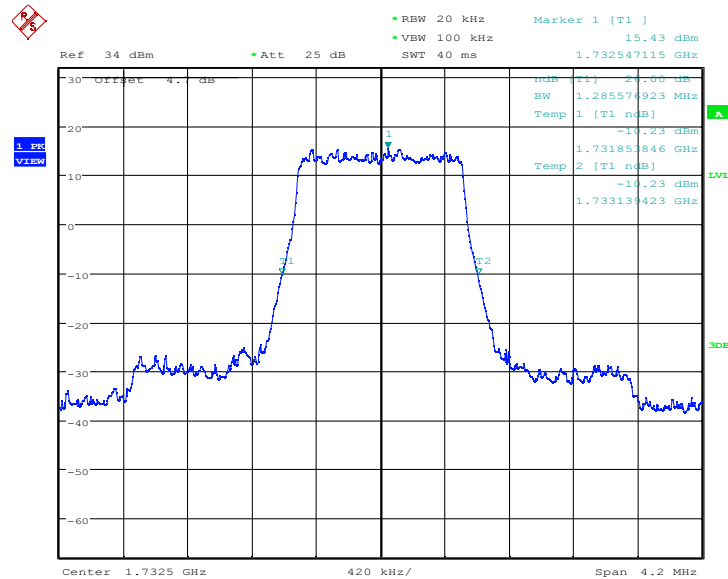
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Date: 8.MAY.2024 15:16:46

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

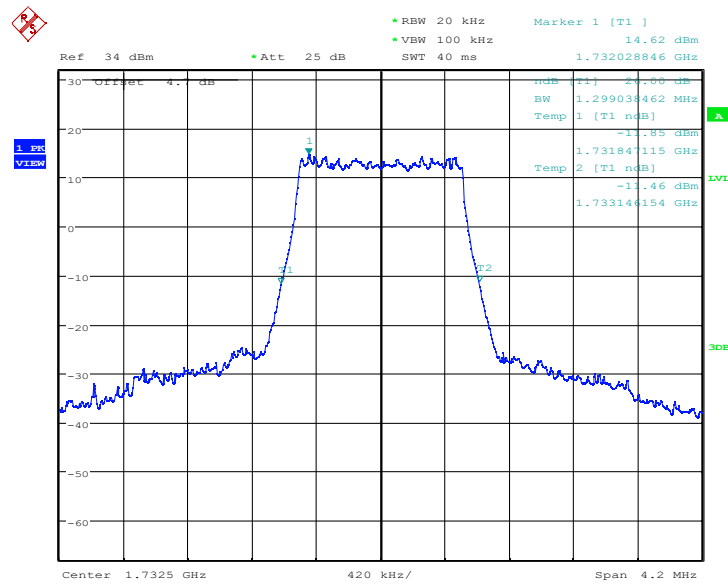


Date: 8.MAY.2024 15:17:13

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

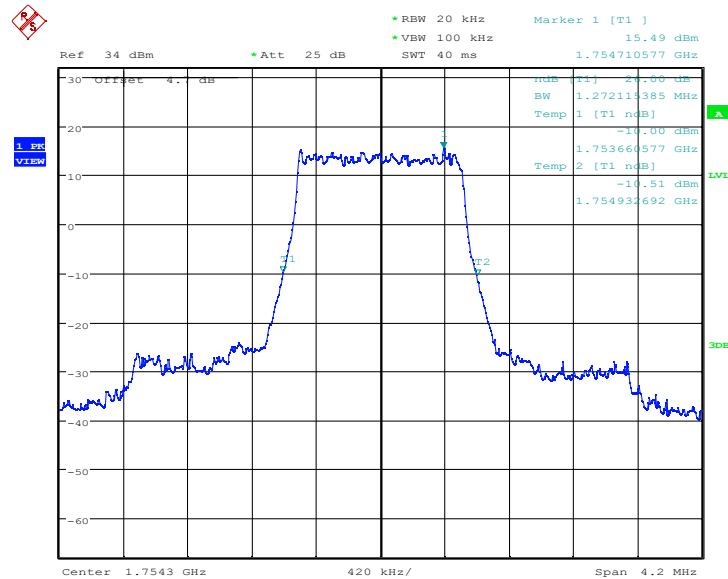
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Date: 8.MAY.2024 15:17:34

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

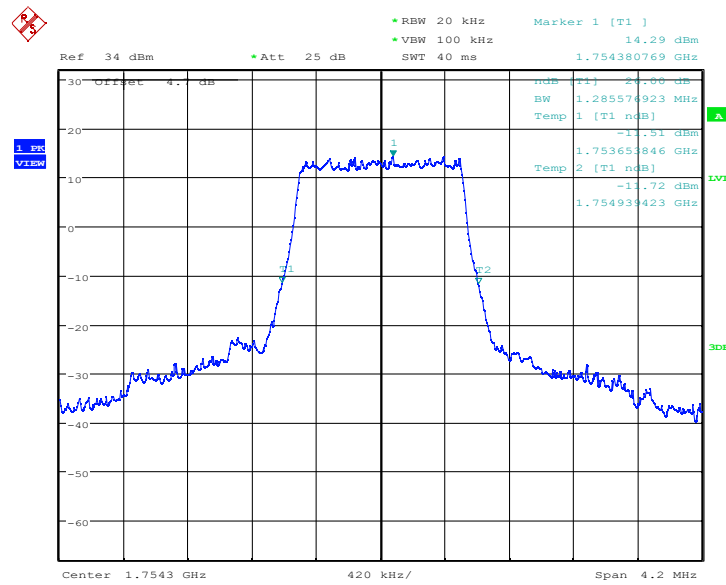


Date: 8.MAY.2024 15:18:00

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

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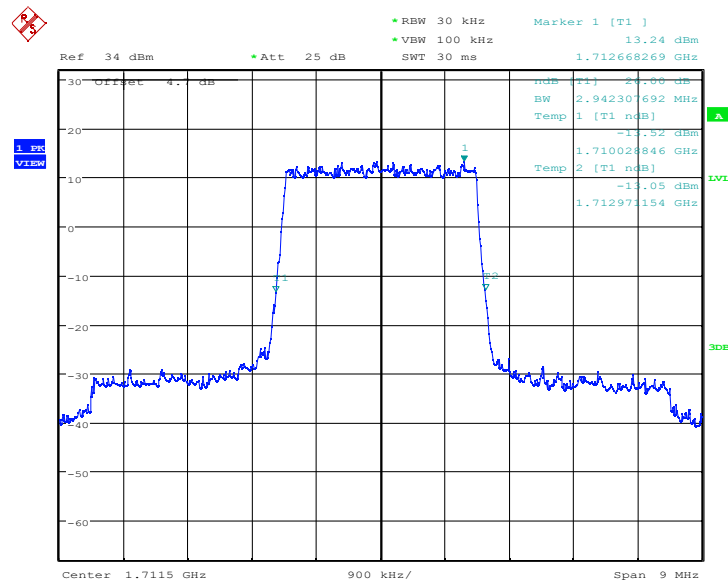


Date: 8.MAY.2024 15:18:25

LTE band 4,3MHz(-26dBc)

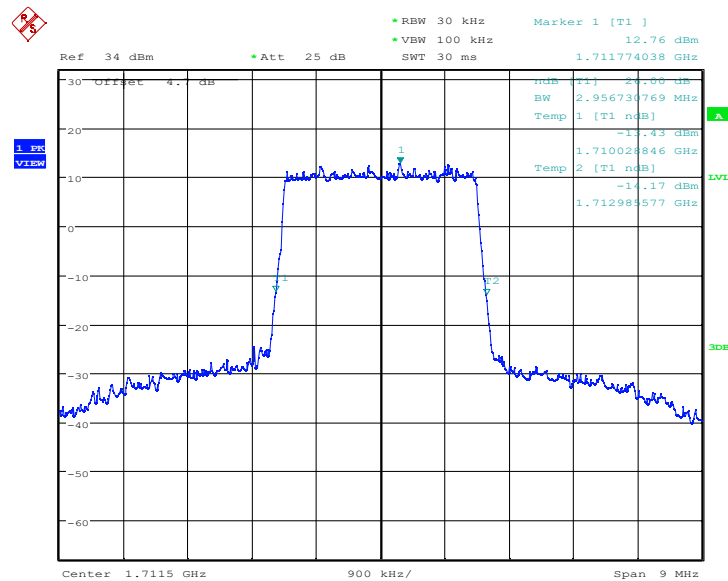
Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
1711.5	2.942	2.957
1732.5	2.942	2.913
1753.5	2.913	2.942

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



Date: 8.MAY.2024 15:19:22

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

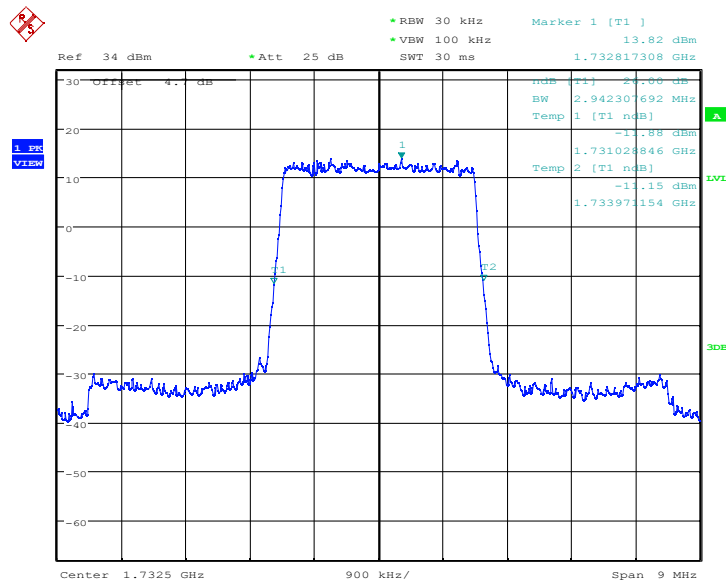


Date: 8.MAY.2024 15:19:45

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

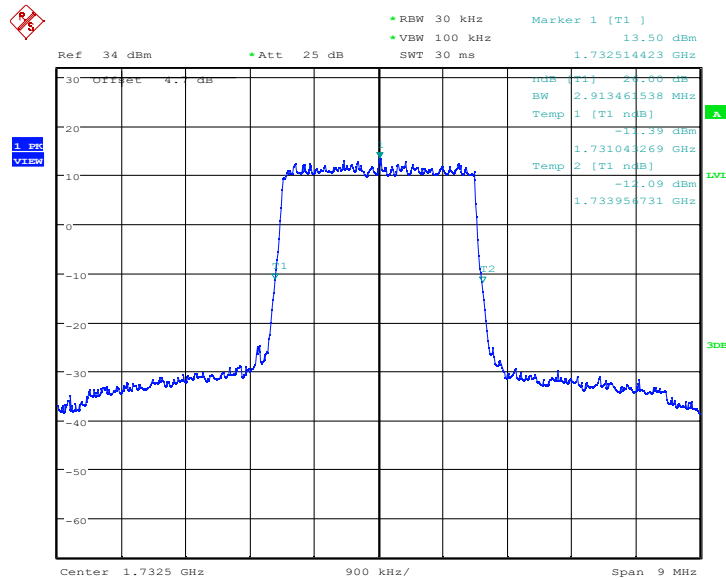
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Date: 8.MAY.2024 15:20:14

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

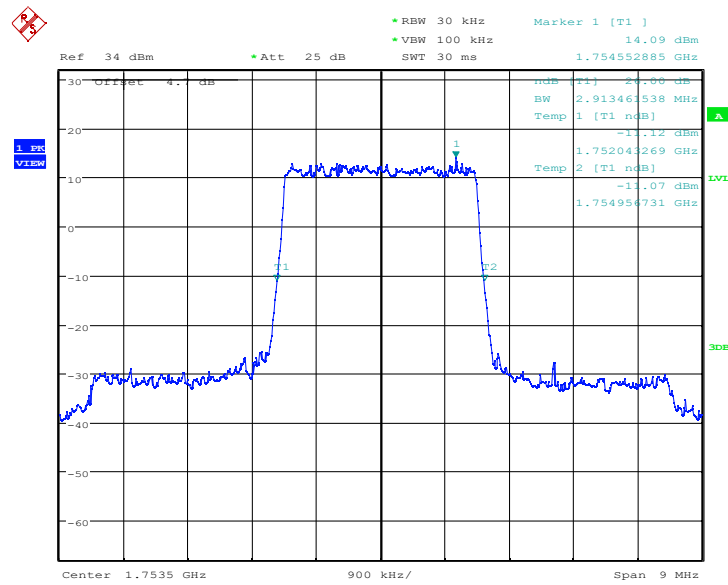


Date: 8.MAY.2024 15:20:37

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

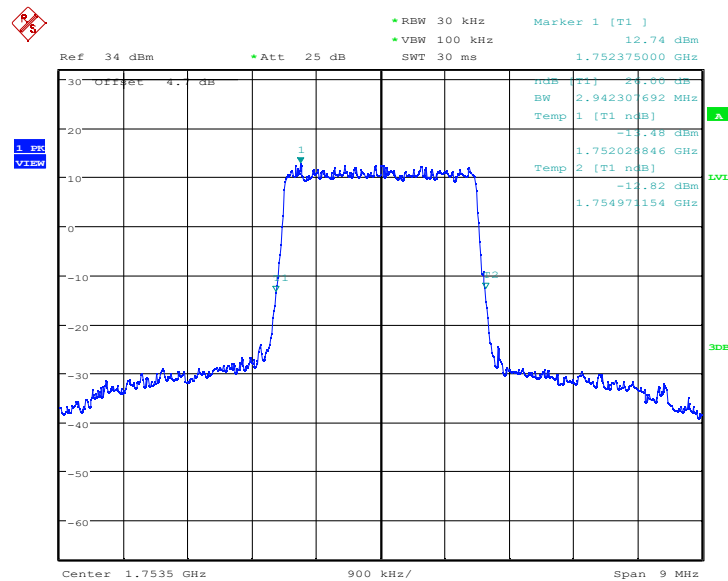
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Date: 8.MAY.2024 15:21:06

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



Date: 8.MAY.2024 15:21:29

LTE band 4,5MHz(-26dBc)

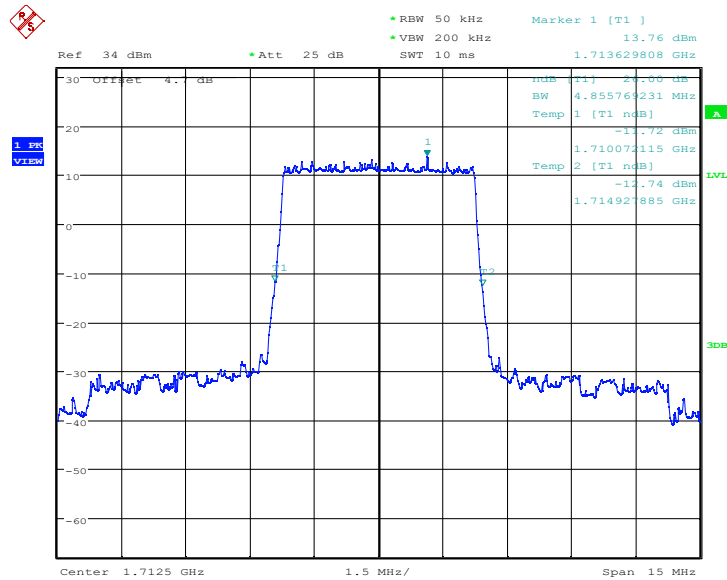
Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM

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1712.5	4.856	4.856
1732.5	4.856	4.856
1752.5	4.856	4.856

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

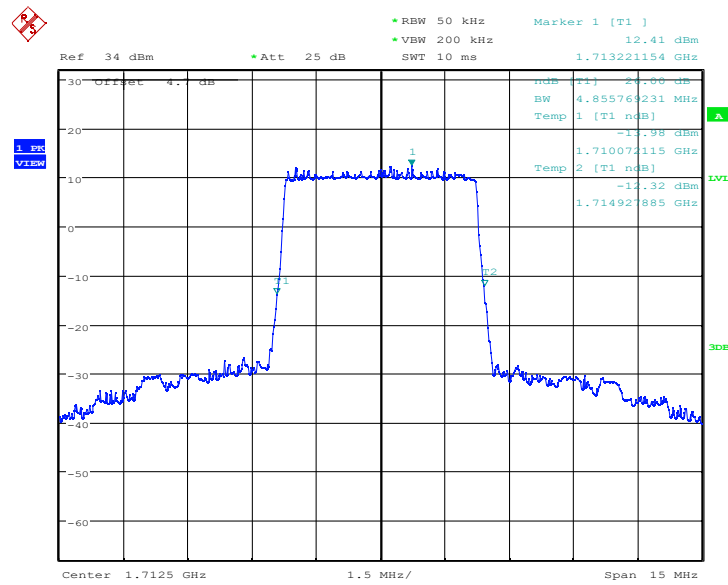


Date: 8.MAY.2024 15:22:33

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

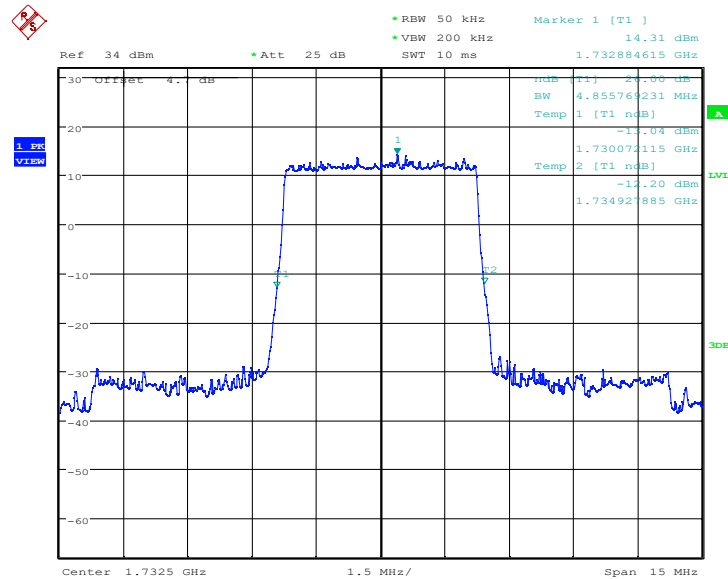
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Date: 8.MAY.2024 15:22:57

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

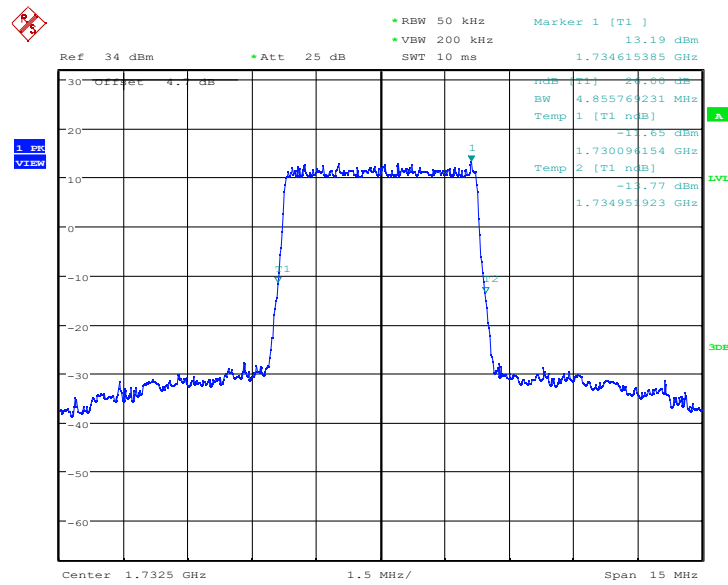


Date: 8.MAY.2024 15:23:23

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

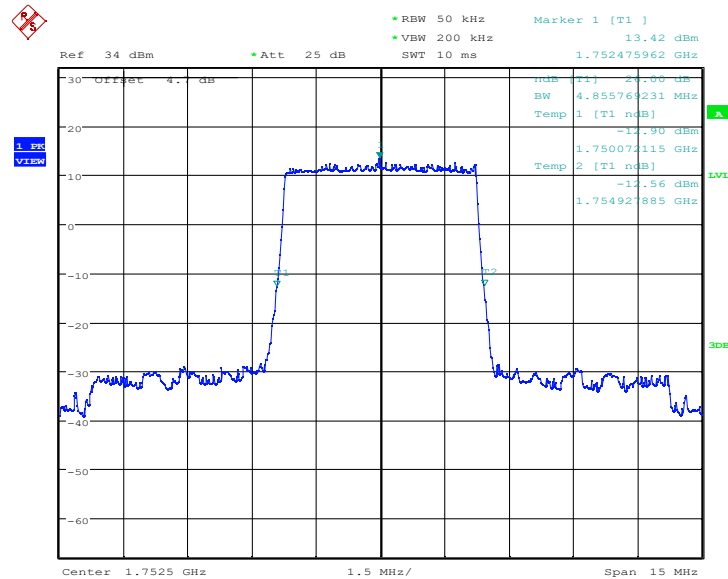
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Date: 8.MAY.2024 15:23:49

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

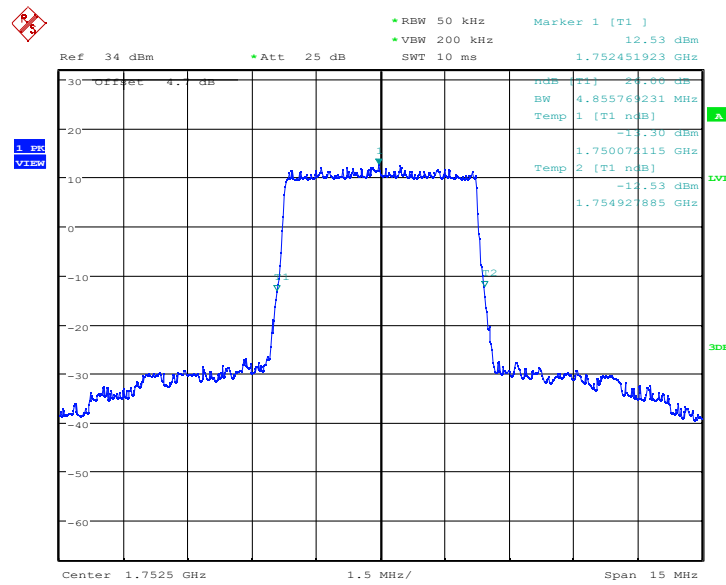


Date: 8.MAY.2024 15:24:17

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

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Date: 8.MAY.2024 15:24:41

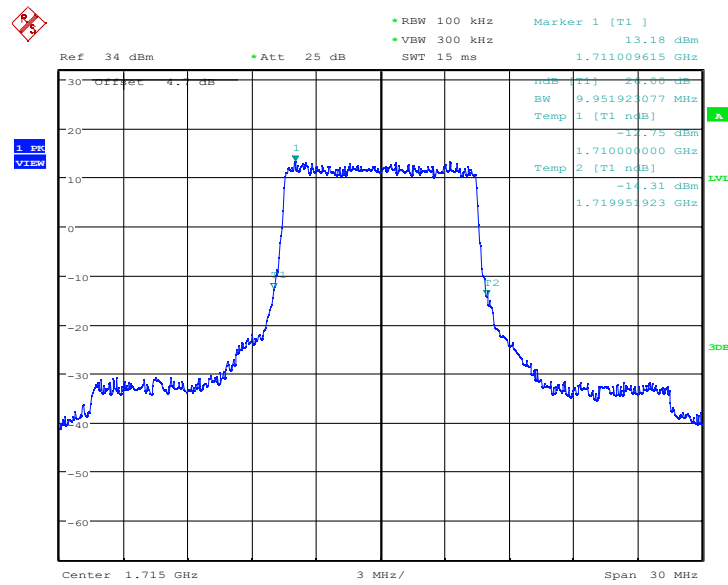
LTE band 4,10MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)
	QPSK
1715	9.952
1732.5	9.952
1750	9.856

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

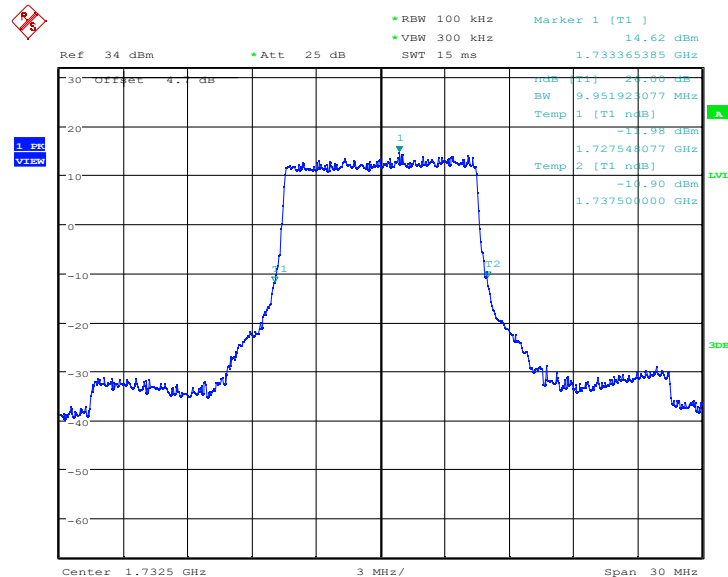
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Date: 8.MAY.2024 15:25:45

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

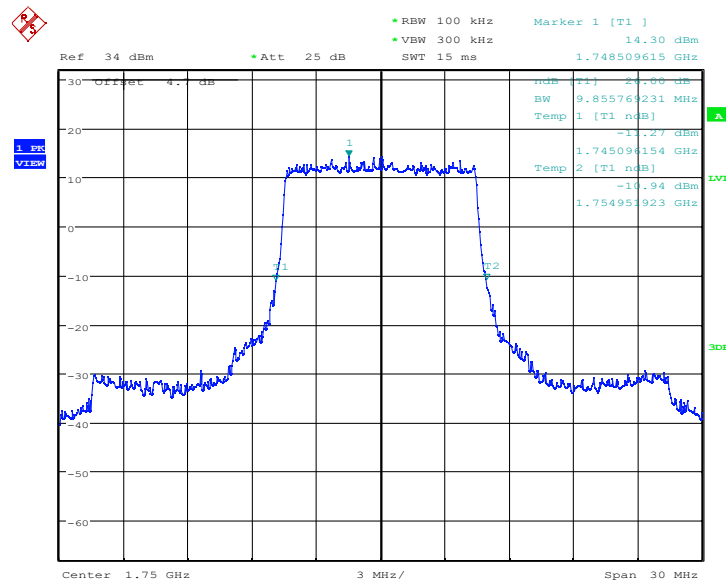


Date: 8.MAY.2024 15:26:10

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

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Date: 8.MAY.2024 15:26:36

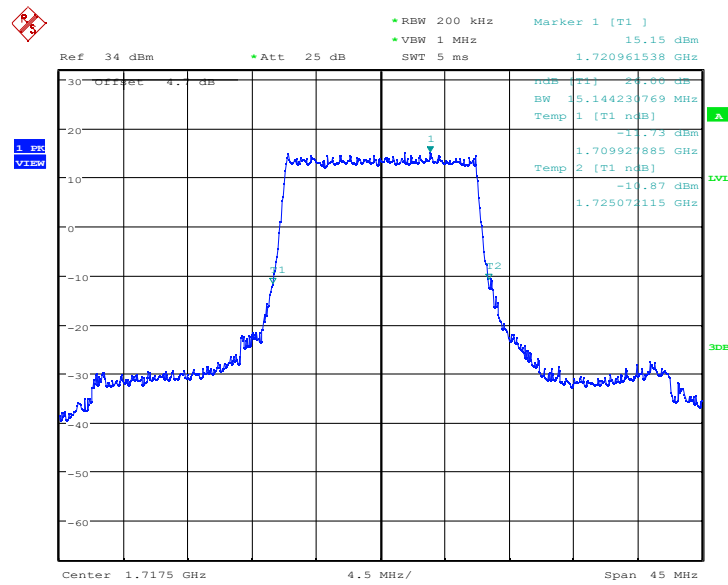
LTE band 4,15MHz(-26dBc)

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

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

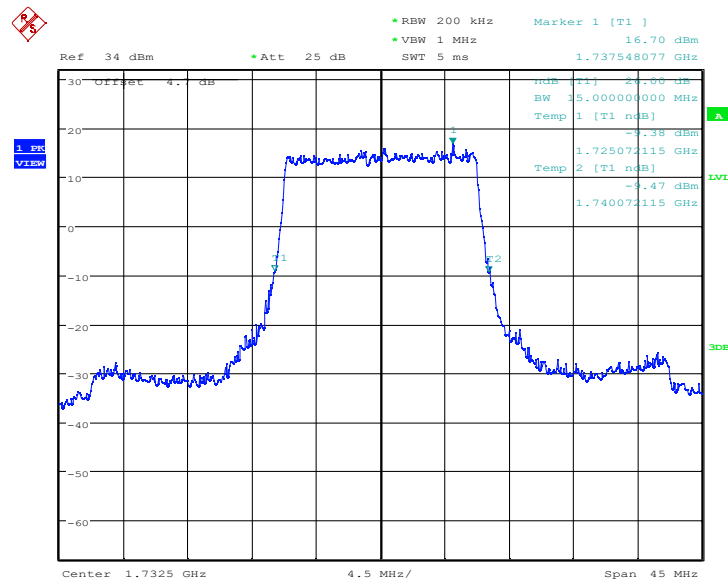
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Date: 8.MAY.2024 15:27:34

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

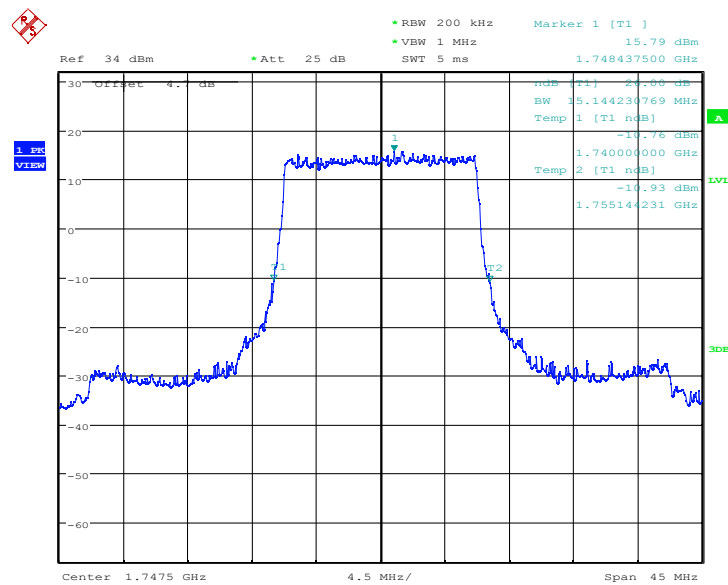


Date: 8.MAY.2024 15:27:59

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

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Date: 8.MAY.2024 15:28:26

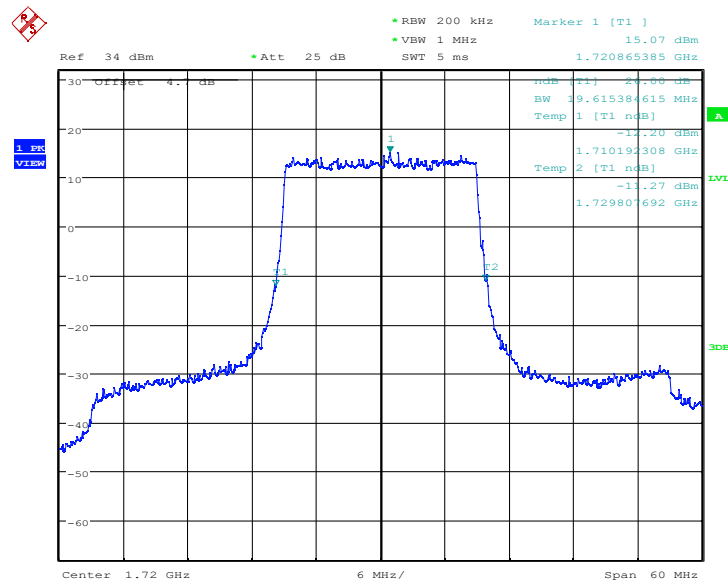
LTE band 4,20MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)
	QPSK
1720	19.615
1732.5	19.808
1745	19.712

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

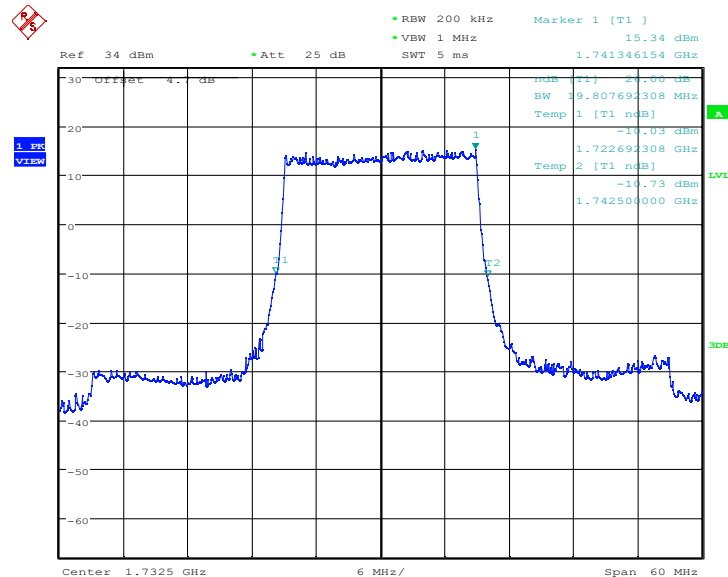
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Date: 8.MAY.2024 15:29:27

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

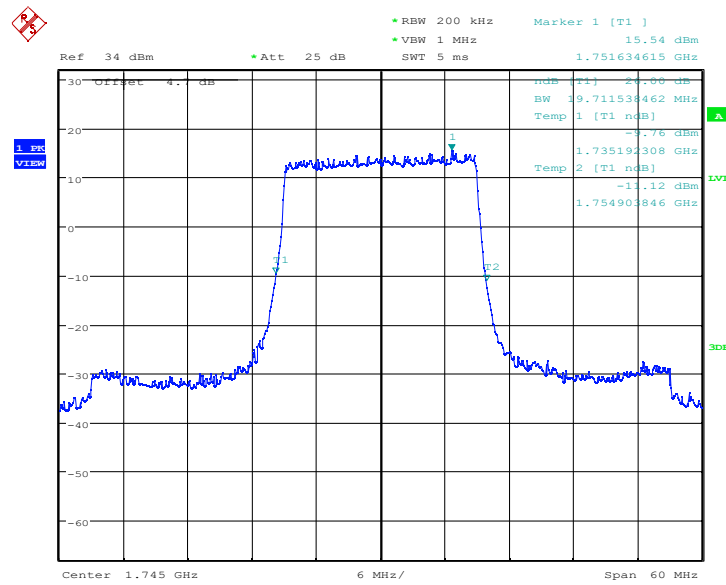


Date: 8.MAY.2024 15:29:57

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

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Date: 8.MAY.2024 15:30:31

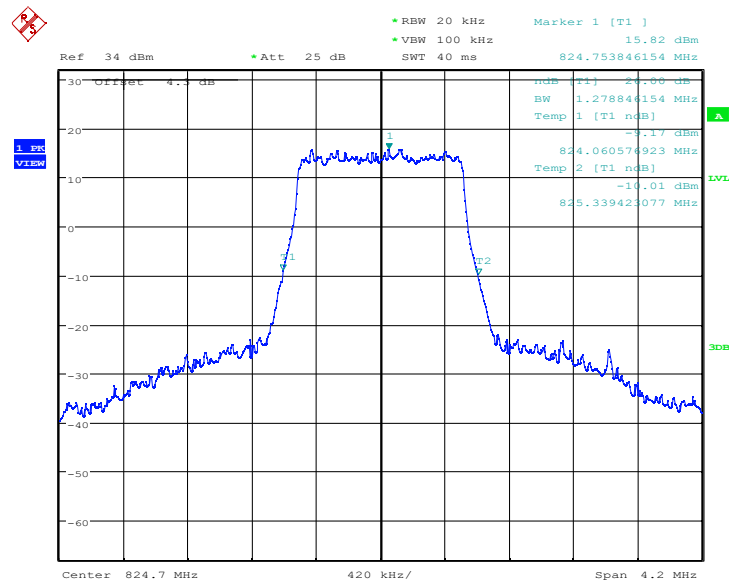
LTE band 5,1.4MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
824.7	1.279	1.299
836.5	1.265	1.286
848.3	1.279	1.265

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

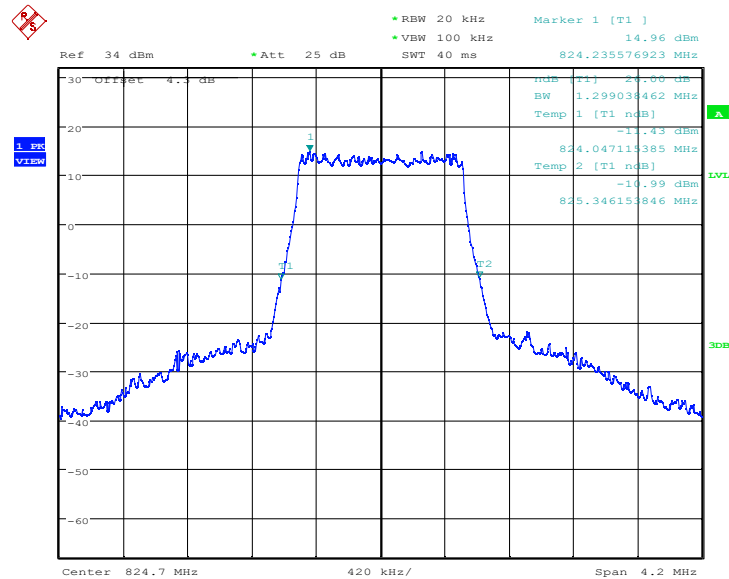
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Date: 8.MAY.2024 15:31:29

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

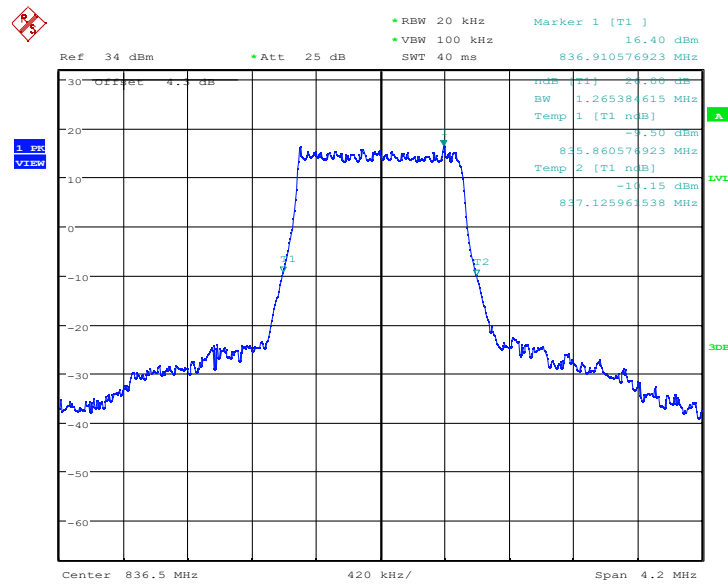


Date: 8.MAY.2024 15:31:51

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

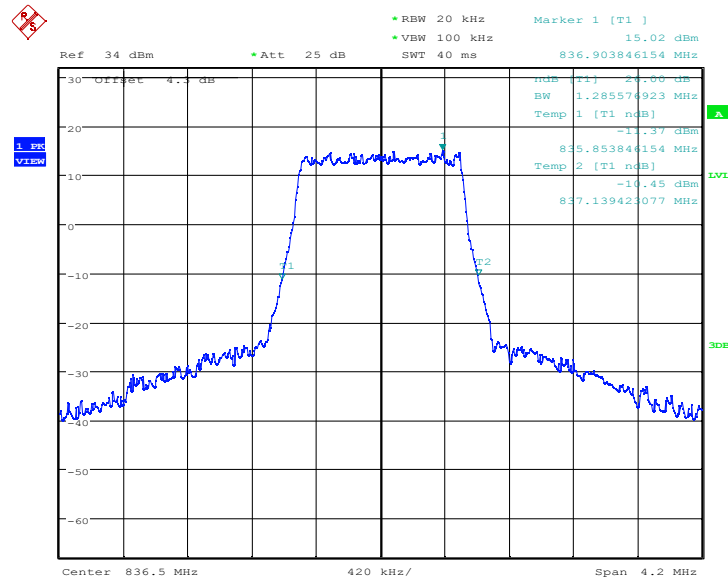
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Date: 8.MAY.2024 15:32:16

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

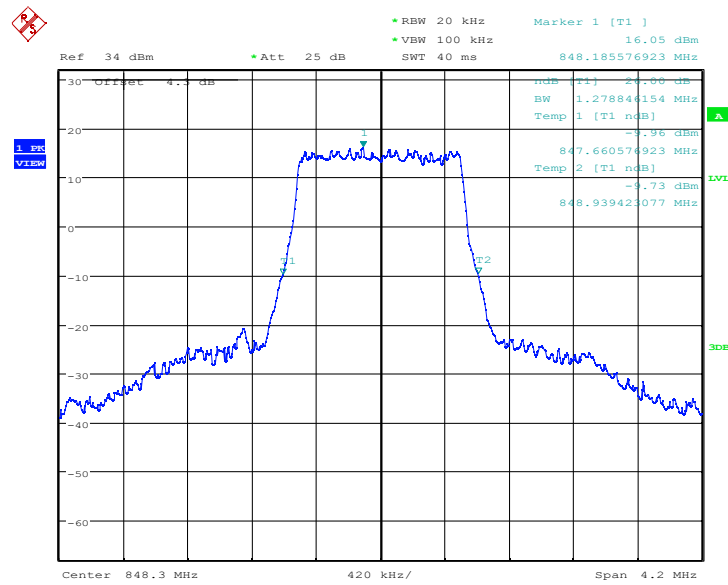


Date: 8.MAY.2024 15:32:41

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

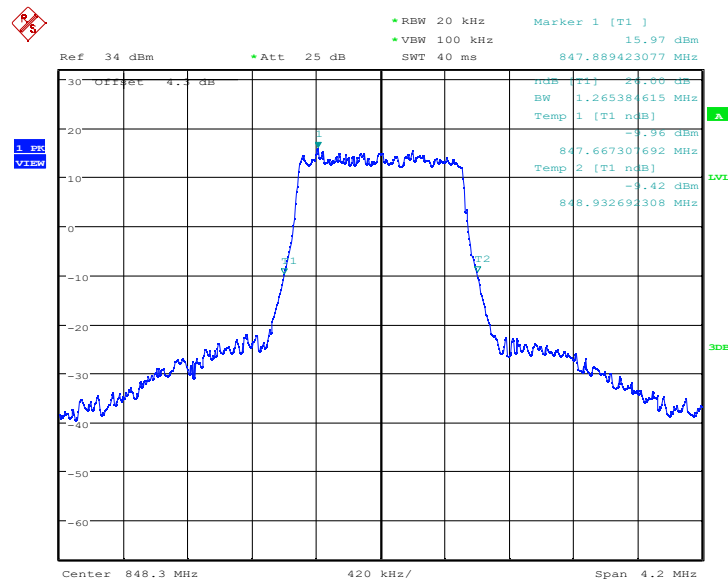
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Date: 8.MAY.2024 15:33:07

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



Date: 8.MAY.2024 15:33:29

LTE band 5,3MHz(-26dBc)

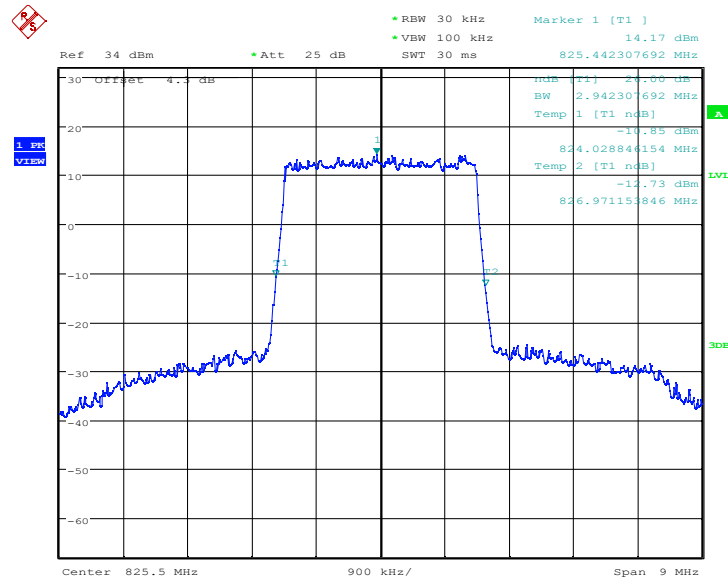
Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM

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825.5	2.942	2.957
836.5	2.942	2.913
847.5	2.928	2.942

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

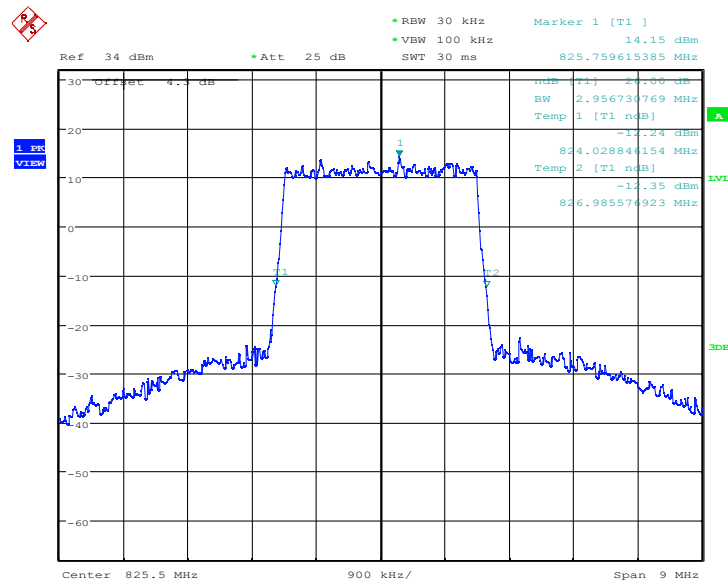


Date: 8.MAY.2024 15:34:37

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

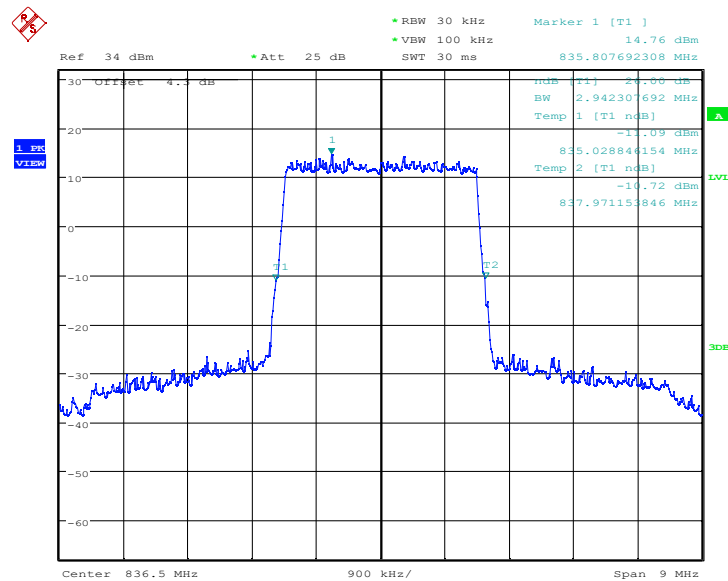
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Date: 8.MAY.2024 15:35:04

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

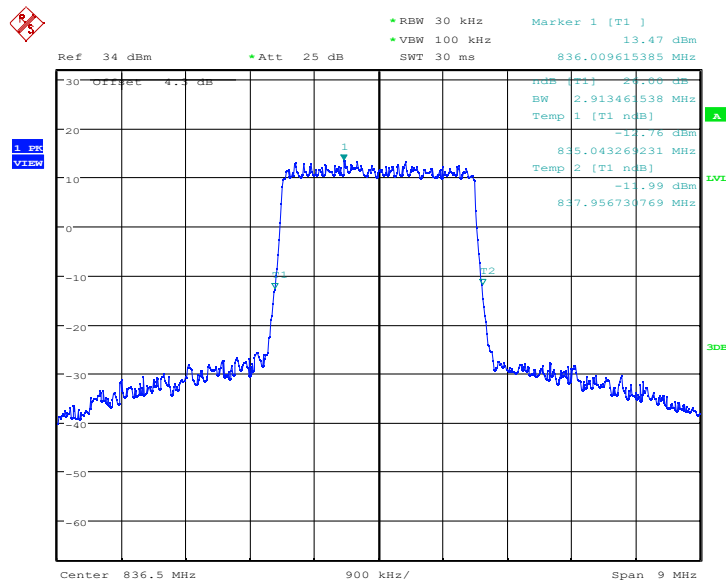


Date: 8.MAY.2024 15:35:36

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

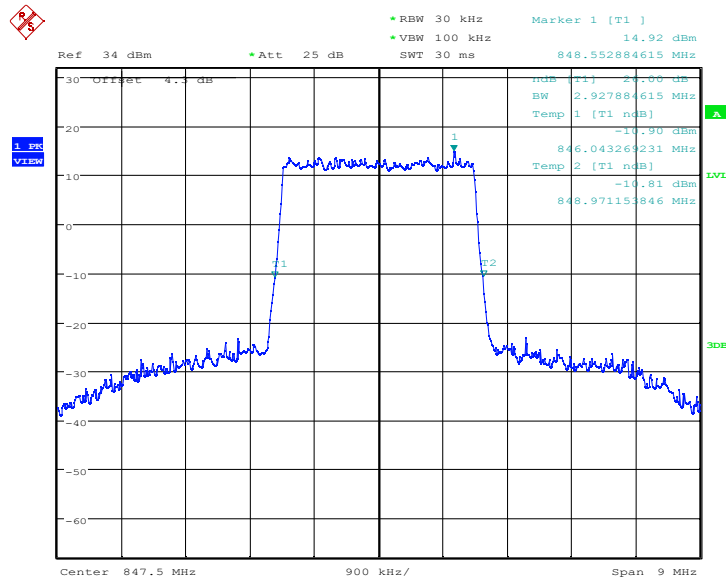
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Date: 8.MAY.2024 15:35:57

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



Date: 8.MAY.2024 15:36:23

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

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*RBW 30 kHz
 *VBW 100 kHz
 SWT 30 ms

Ref 34 dBm
 Att 25 dB

Marker 1 [T1]
 13.64 dBm
 846.37500000 MHz

dB [T1] 24.99 dB
 BW 2.942307692 MHz
 Temp 1 [T1 dB] -13.40 dBm
 846.028846154 MHz
 Temp 2 [T1 dB] -12.52 dBm
 848.971153846 MHz

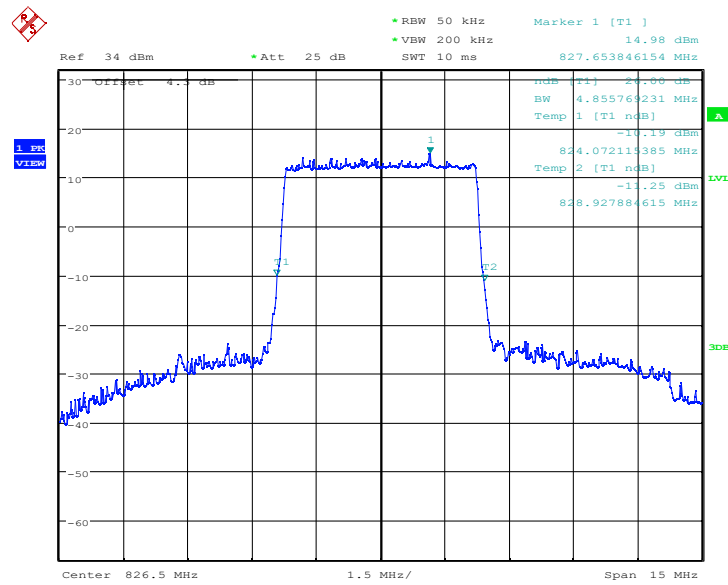
Center 847.5 MHz
 900 kHz/
 Span 9 MHz

LTE band 5,5MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
826.5	4.856	4.856
836.5	4.856	4.856
846.5	4.856	4.856

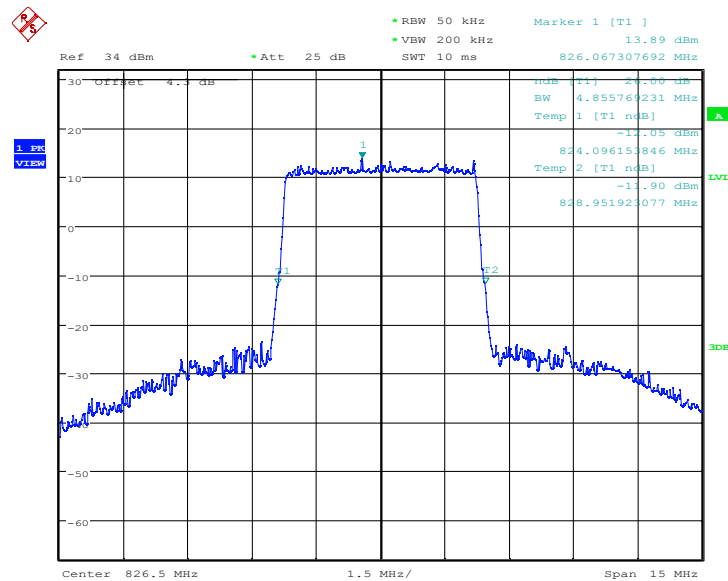
LTE band 5 , 5MHz Bandwidth,LOW,QPSK (-26dBc BW)

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Date: 8.MAY.2024 15:37:56

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

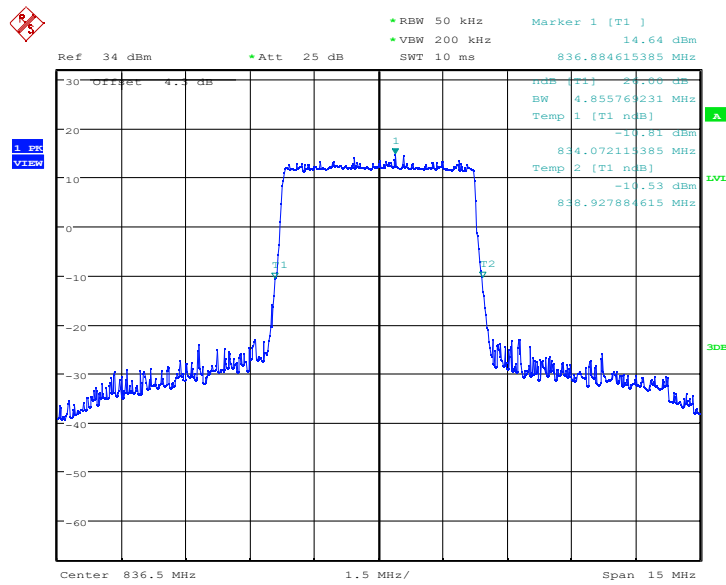


Date: 8.MAY.2024 15:38:18

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

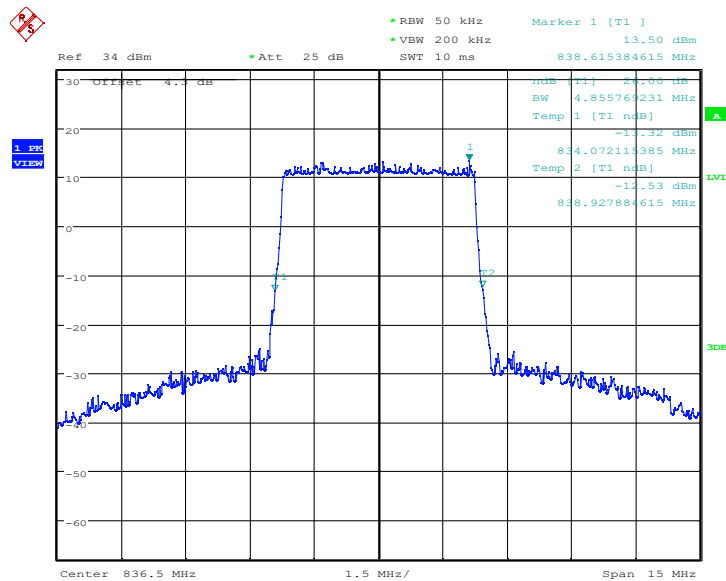
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Date: 8.MAY.2024 15:38:44

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

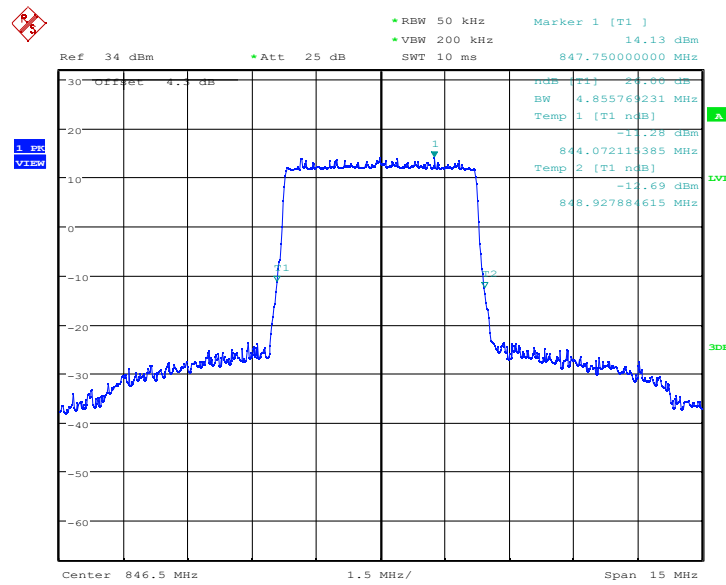


Date: 8.MAY.2024 15:39:05

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

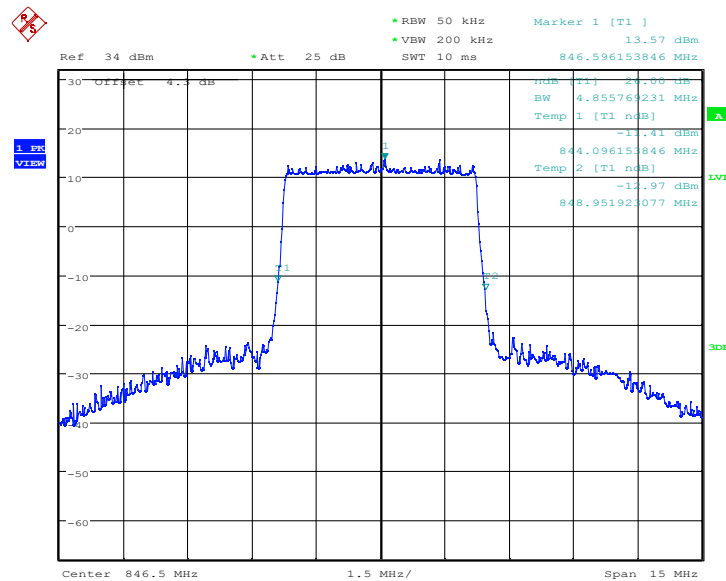
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Date: 8.MAY.2024 15:39:31

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



Date: 8.MAY.2024 15:39:52

LTE band 5,10MHz(-26dBc)

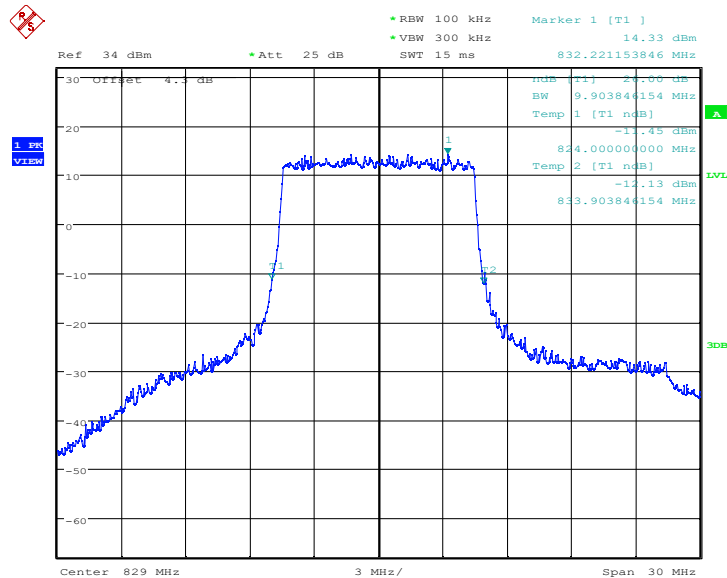
Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)
	QPSK

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829	9.904
836.5	9.904
844	9.904

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

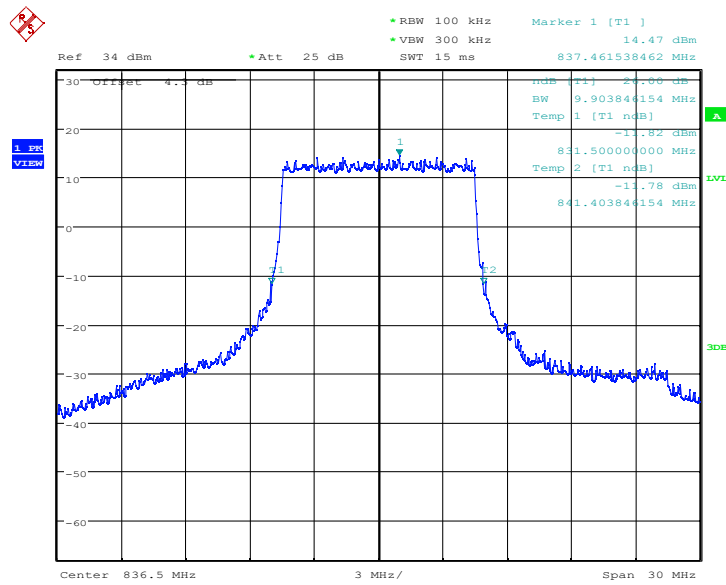


Date: 8.MAY.2024 15:40:59

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

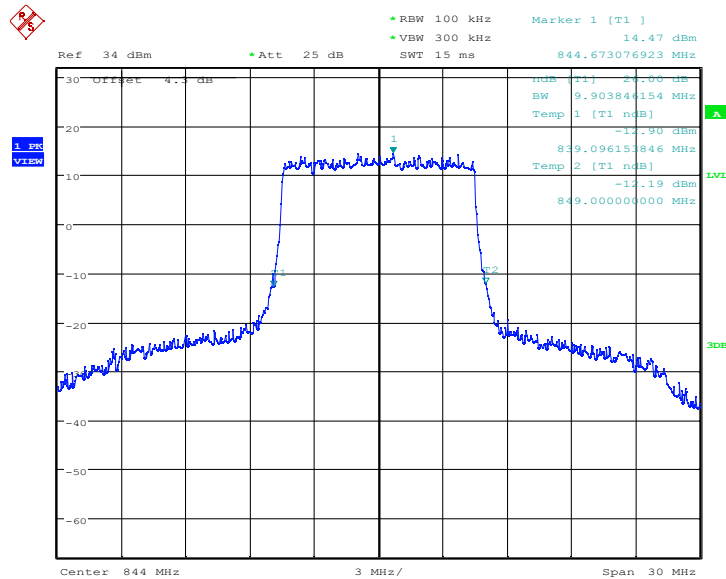
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Date: 8.MAY.2024 15:41:26

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



Date: 8.MAY.2024 15:41:53

LTE band 12,1.4MHz(-26dBc)

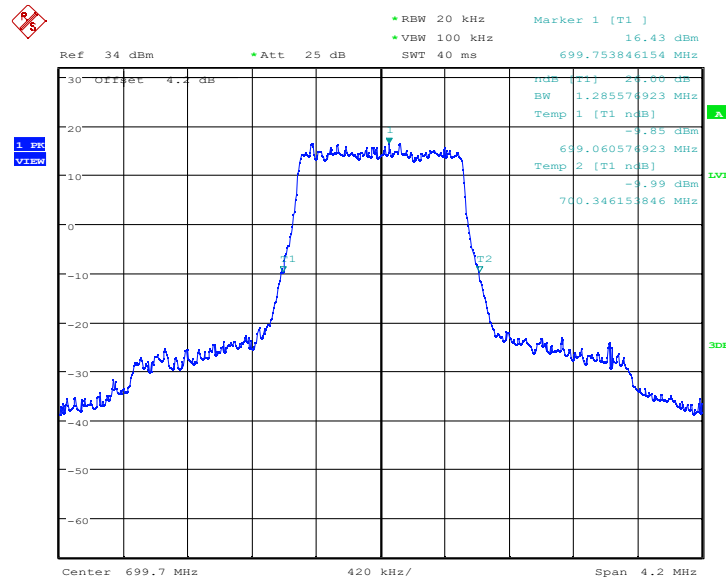
Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM

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699.7	1.286	1.286
707.5	1.265	1.286
715.3	1.306	1.265

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

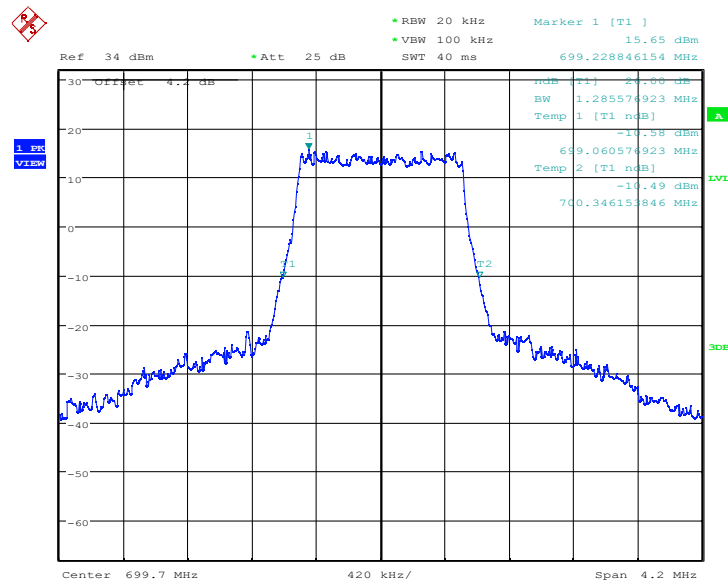


Date: 8.MAY.2024 15:42:57

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

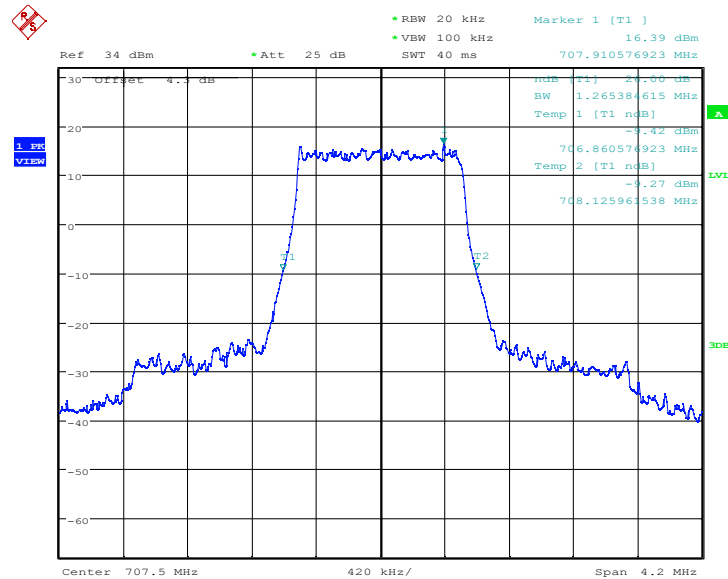
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Date: 8.MAY.2024 15:43:20

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

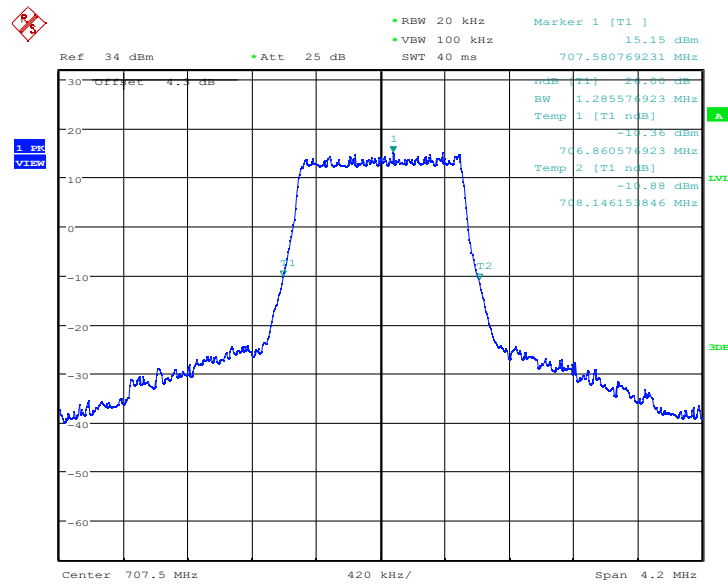


Date: 8.MAY.2024 15:43:47

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

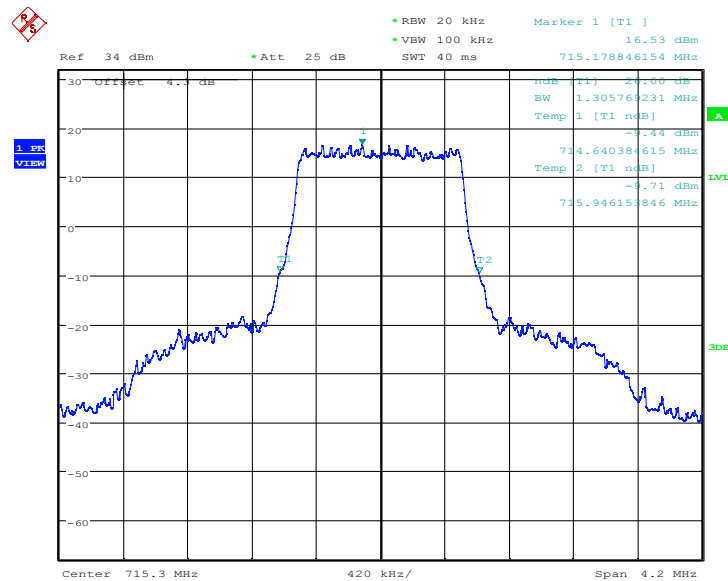
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Date: 8.MAY.2024 15:44:12

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

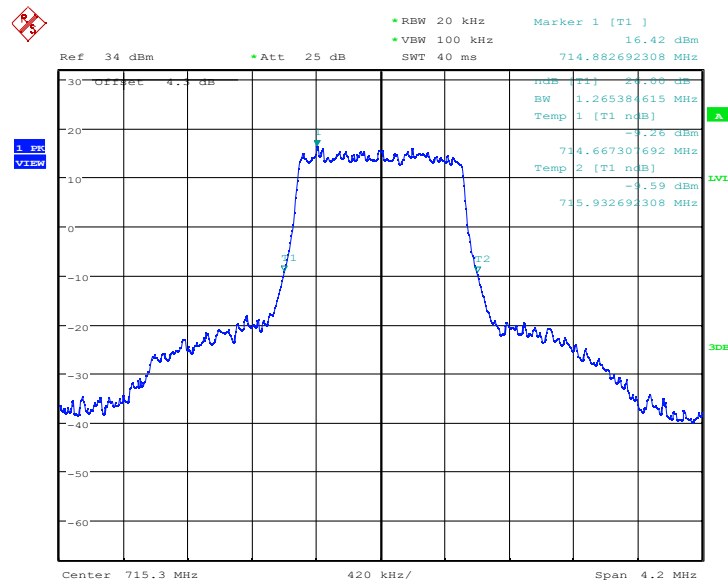


Date: 8.MAY.2024 15:44:41

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

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Date: 8.MAY.2024 15:45:04

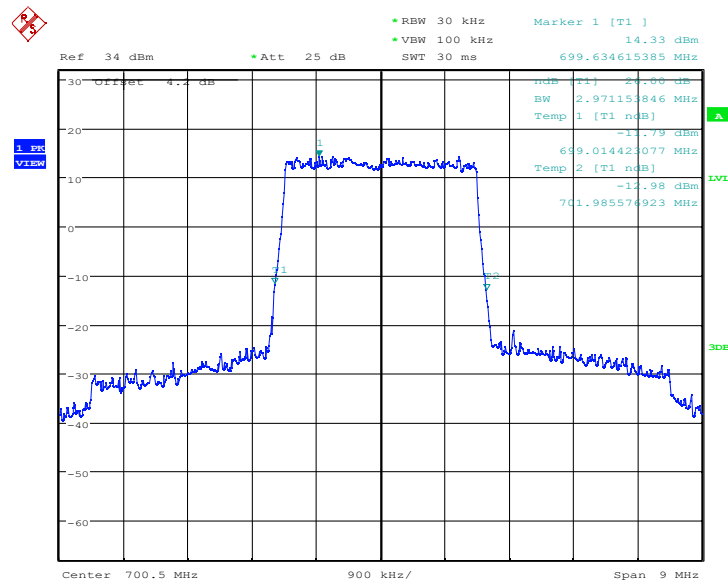
LTE band 12,3MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
700.5	2.971	2.913
707.5	2.913	2.942
714.5	2.957	2.957

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

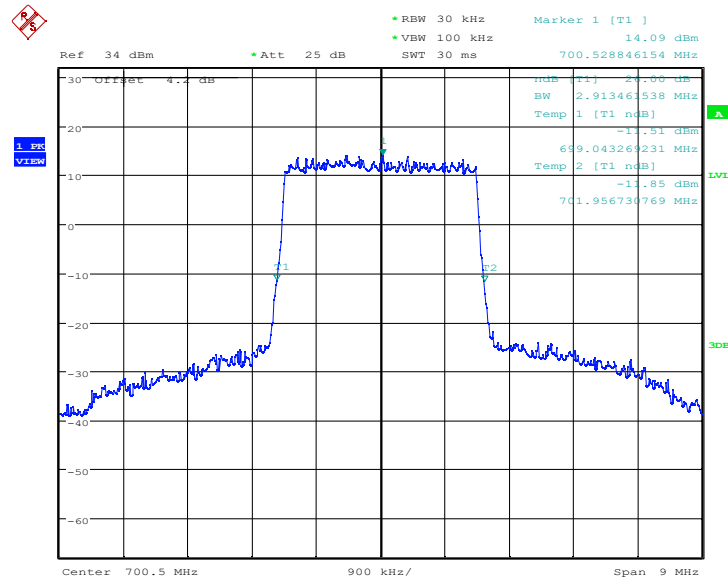
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Date: 8.MAY.2024 15:46:02

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

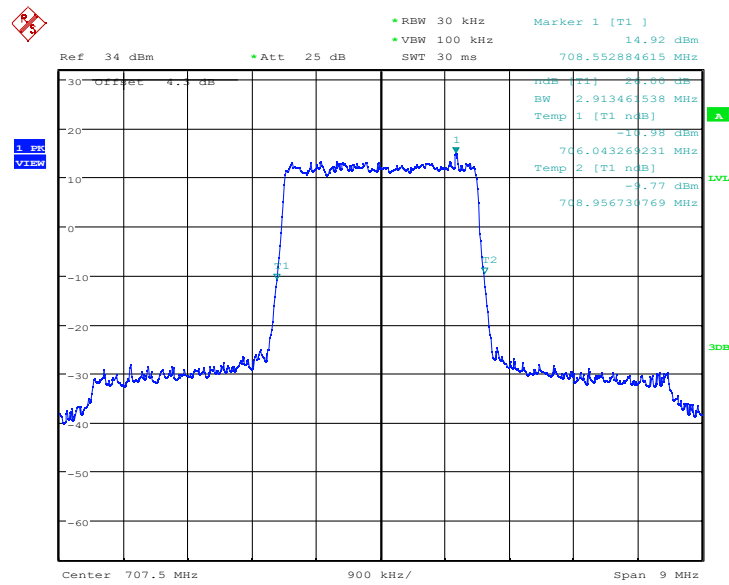


Date: 8.MAY.2024 15:46:25

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

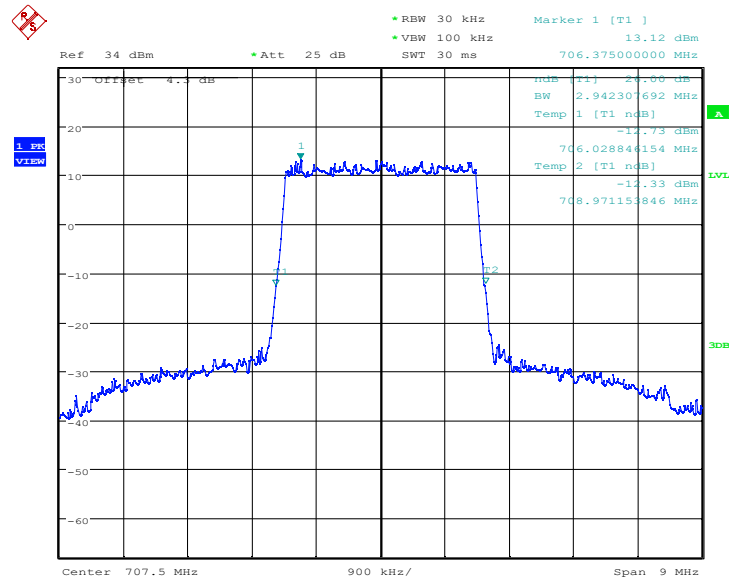
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Date: 8.MAY.2024 15:46:50

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

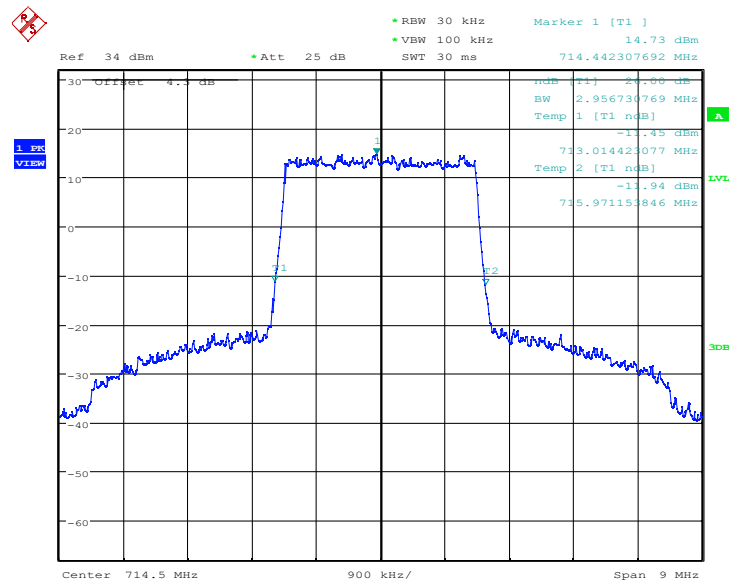


Date: 8.MAY.2024 15:47:13

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

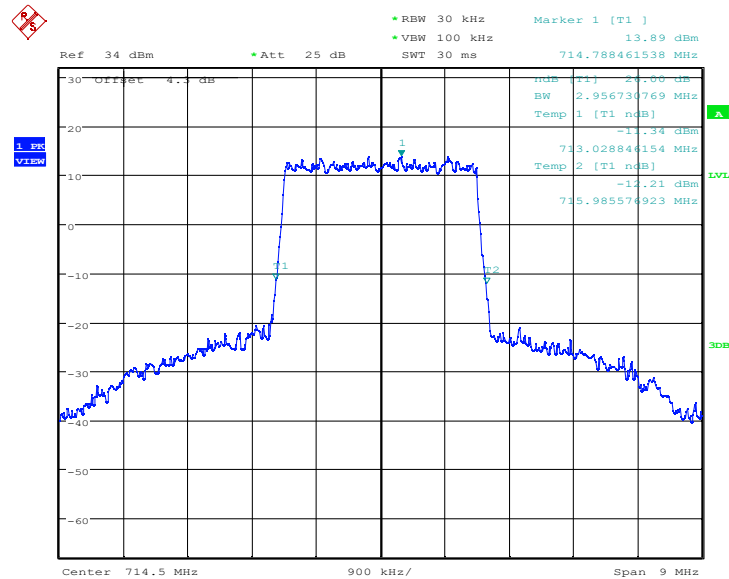
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Date: 8.MAY.2024 15:47:42

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



Date: 8.MAY.2024 15:48:04

LTE band 12,5MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM

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