



TEST REPORT

REPORT NUMBER: I22W00078-LTE-RF-FCC-Rev3

ON

Type of Equipment: LTE Cat1 Module
Type of Designation: L501
Brand Name: LYNQ
Manufacturer: Shanghai MobileTek Communication Ltd.
FCC ID: 2AK9DL501G

ACCORDING TO

FCC CFR Part 2, FREQUENCY ALLOCATIONS AND RADIO TREATY MATTERS;
GENERAL RULES AND REGULATIONS, e-CFR
PART 22, PUBLIC MOBILE SERVICES, e-CFR
PART 24, PERSONAL COMMUNICATIONS SERVICES, e-CFR
PART 27, MISCELLANEOUS WIRELESS COMMUNICATIONS SERVICES, e-CFR
ANSI C63.26-2015 American National Standard for Compliance Testing of Transmitters
Used in Licensed Radio Services

Chongqing Academy of Information and Communications Technology

Month date, year

Dec, 12, 2022

Signature



Xiang Luoyong
Director

Note:

The test results in this test report relate only to the devices specified in this report.
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Report No.: I22W00078-LTE-RF-FCC-Rev3

Revision Version

Report Number	Revision	Date	Memo
I22W00078-LTE-RF-FCC	00	2022-11-27	Initial creation of test report
I22W00078-LTE-RF-FCC-Rev1	01	2022-12-07	--
I22W00078-LTE-RF-FCC-Rev2	02	2022-12-09	--
I22W00078-LTE-RF-FCC-Rev3	03	2022-12-12	--

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1. Test Laboratory

1.1. Testing Location

Name:	Chongqing Academy of Information and Communications Technology
Registration number:	CN1239
Address:	Building C, Technology Innovation Center, No.8, Yuma Road, Chayuan New Area, Nan'an District, Chongqing, People's Republic of China
	No.19 East Road, 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:	30-60%

1.3. Project data

Testing Start Date:	2022-11-18
Testing End Date:	2022-12-12

1.4. Signature



2022-12-12

Dong Junxin
(Prepared this test report)

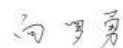
Date



2022-12-12

Li Xu
(Reviewed this test report)

Date



2022-12-12

Xiang Luoyong
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 Cat1 Module
Model name	L501
Brand name	LYNQ
GSM Frequency Band	GSM850/GSM1900
LTE Frequency Band	2/4/5/7/41/66
Type of modulation	GMSK/8PSK/QPSK/16QAM
Extreme Temperature	-40/+85°C
Nominal Voltage	3.8
Extreme High Voltage	4.5
Extreme Low Voltage	3.3

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

Note: 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
S1	IMEI:868070047049113	V3	L501GN_3Sv05.01b01	2022-11-09
S5	IMEI:868070047049493	V3	L501GN_3Sv05.01b01	2022-11-09

*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
GSM	GSM1900	1850.2-1909.8	1930.2-1989.8	--
	GSM850	824.2-848.8	869.2-893.8	--
LTE	B2	1850-1910	1930-1990	16QAM only supports 1.4M, 3M and 5M
	B4	1710-1755	2110-2155	16QAM only supports 1.4M, 3M and 5M
	B5	824-849	869-894	16QAM only supports 1.4M, 3M and 5M
	B7	2500-2570	2620-2690	16QAM only supports 5M
	B41	2496-2690	2496-2690	16QAM only supports 5M
	B66	1710-1780	2110-2200	16QAM only supports 1.4M, 3M and 5M

3.4. Internal Identification of AE used during the test

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

AE ID	Instrument	Manufacturer	Model
1	Antenna	--	5J002B
2	EVB	--	L501_EVB
3	SUB	--	L501G-3_SUB

AE information is provided by the 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 CFR Part 2	FREQUENCY ALLOCATIONS AND RADIO TREATY MATTERS; GENERAL RULES AND REGULATIONS, e-CFR	--
PART 22	PUBLIC MOBILE SERVICES	--
PART 24	PERSONAL COMMUNICATIONS SERVICES, e-CFR	--
PART 27	MISCELLANEOUS WIRELESS COMMUNICATIONS SERVICES, e-CFR	--
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	2023-06-29
2	DC Power Supply	3303D	801128	--	--	Topward	2023-06-29
3	Universal Radio Communication Tester	CMW500	152395	--	--	R&S	2023-06-29

5.2. RSE Test System

No.	Equipment	Model	SN	HW Version	SW Version	Manufacture	Cal.Due Date
1	Test Receiver	ESU26	100367	1	4.43 SP3	R&S	2023-06-29
2	Ultra-wideband Log Periodic Antenna	VULB 9163	1392	--	--	Schwarzbeck	2024-05-04
3	Double Ridged Guide Antenna	HF907	100357	--	--	R&S	2023-02-10
4	Universal Radio Communication Tester	CMW500	128181	--	--	R&S	2023-06-29
5	Double Ridged Guide Antenna	HF907	100356	--	--	R&S	2023-07-07
6	Generator	SMU 200A	104517	--	--	R&S	2023-06-29
7	Ultra-wideband Log Periodic Antenna	VULB 9163	995	--	--	R&S	2023-04-03
8	Amplifier1	150A	1429	--	--	Beehive	2023-06-18
9	Amplifier2	SCU 18	10141	--	--	R&S	--

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5.3. Climate Chamber

No.	Name	Type	SN	Manufacture	Cal.Due Date
1	Climate chamber	SH-241	92010759	ESPEC	2023-06-29
2	Fully anechoic chamber	FAC-5	--	TDK	2024-08-30

Vibration table

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

5.4. Test software

No.	Name	version	SN	Manufacture
1	EMC32	V 8.51.00	--	R&S
2	T-RFS500	V2.0	--	Manufacturer:Beijing Zhiwang Xince Technology Co., Ltd.

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(a),24.232(c),27.50	Conducted RF Power Output	Pass
2.1046,22.913(a),24.232(c),27.50	ERP and EIRP	Pass
2.1049,22.917(b), 24.238(b)	Occupied Bandwidth	*Note 1
2.1051,24.238,2.1053,22.917, 27.53	Conducted spurious emissions	Pass
2.1051,24.238,2.1053,22.917, 27.53	Radiated Spurious Emission	Pass
2.1051,24.238, 2.1053, 22.917, 27.53	Band Edge	Pass
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(a), 24.232(c), 27.50
DUT Serial Number:	868070047049113
Test conditions:	Ambient Temperature:15°C-35°C Relative Humidity:30%-60% 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(h)(2) "Mobile stations are limited to 2.0 watts EIRP."

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	22.56	28.44
1.4MHz	1 RB mid	1850.7	QPSK	22.57	28.40
1.4MHz	1 RB high	1850.7	QPSK	22.66	28.46
1.4MHz	50%,low	1850.7	QPSK	22.77	26.00
1.4MHz	50% RB mid	1850.7	QPSK	22.70	23.50
1.4MHz	50%,high	1850.7	QPSK	22.86	26.10
1.4MHz	100% RB	1850.7	QPSK	21.66	28.01
1.4MHz	1 RB low	1850.7	16QAM	21.86	27.72
1.4MHz	1 RB mid	1850.7	16QAM	21.98	27.69
1.4MHz	1 RB high	1850.7	16QAM	21.84	27.73
1.4MHz	50%,low	1850.7	16QAM	22.91	26.16
1.4MHz	50% RB mid	1850.7	16QAM	21.78	28.07
1.4MHz	50%,high	1850.7	16QAM	22.86	26.12
1.4MHz	100% RB	1850.7	16QAM	20.68	28.07
1.4MHz	1 RB low	1880	QPSK	22.94	28.63
1.4MHz	1 RB mid	1880	QPSK	22.92	28.57
1.4MHz	1 RB high	1880	QPSK	22.90	28.60
1.4MHz	50%,low	1880	QPSK	22.98	26.21
1.4MHz	50% RB mid	1880	QPSK	22.91	28.57
1.4MHz	50%,high	1880	QPSK	22.96	26.19
1.4MHz	100% RB	1880	QPSK	21.92	27.85
1.4MHz	1 RB low	1880	16QAM	22.10	28.21
1.4MHz	1 RB mid	1880	16QAM	22.13	28.14
1.4MHz	1 RB high	1880	16QAM	22.03	28.15
1.4MHz	50%,low	1880	16QAM	22.93	26.15
1.4MHz	50% RB mid	1880	16QAM	21.95	28.25
1.4MHz	50%,high	1880	16QAM	22.89	26.10
1.4MHz	100% RB	1880	16QAM	20.87	28.02
1.4MHz	1 RB low	1909.3	QPSK	22.84	28.03
1.4MHz	1 RB mid	1909.3	QPSK	22.74	27.83
1.4MHz	1 RB high	1909.3	QPSK	22.72	27.90
1.4MHz	50%,low	1909.3	QPSK	22.69	26.05
1.4MHz	50% RB mid	1909.3	QPSK	22.74	28.45
1.4MHz	50%,high	1909.3	QPSK	22.72	26.07

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1.4MHz	100% RB	1909.3	QPSK	21.74	28.40
1.4MHz	1 RB low	1909.3	16QAM	21.77	28.30
1.4MHz	1 RB mid	1909.3	16QAM	21.76	28.06
1.4MHz	1 RB high	1909.3	16QAM	21.62	28.12
1.4MHz	50%,low	1909.3	16QAM	22.70	26.05
1.4MHz	50% RB mid	1909.3	16QAM	21.87	28.57
1.4MHz	50%,high	1909.3	16QAM	22.30	25.66
1.4MHz	100% RB	1909.3	16QAM	20.83	27.38
3MHz	1 RB low	1851.5	QPSK	22.73	27.85
3MHz	1 RB mid	1851.5	QPSK	22.90	27.92
3MHz	1 RB high	1851.5	QPSK	22.84	27.97
3MHz	50%,low	1851.5	QPSK	22.93	26.25
3MHz	50% RB mid	1851.5	QPSK	21.76	27.95
3MHz	50%,high	1851.5	QPSK	22.91	26.22
3MHz	100% RB	1851.5	QPSK	21.74	27.87
3MHz	1 RB low	1851.5	16QAM	21.64	28.07
3MHz	1 RB mid	1851.5	16QAM	21.76	28.11
3MHz	1 RB high	1851.5	16QAM	21.73	28.17
3MHz	50%,low	1851.5	16QAM	22.91	26.23
3MHz	50% RB mid	1851.5	16QAM	20.73	27.90
3MHz	50%,high	1851.5	16QAM	22.91	26.22
3MHz	100% RB	1851.5	16QAM	20.67	28.49
3MHz	1 RB low	1880	QPSK	22.82	28.32
3MHz	1 RB mid	1880	QPSK	22.92	28.23
3MHz	1 RB high	1880	QPSK	22.82	28.26
3MHz	50%,low	1880	QPSK	22.82	26.03
3MHz	50% RB mid	1880	QPSK	21.82	27.80
3MHz	50%,high	1880	QPSK	22.76	25.97
3MHz	100% RB	1880	QPSK	21.76	27.48
3MHz	1 RB low	1880	16QAM	21.92	27.71
3MHz	1 RB mid	1880	16QAM	21.95	27.58
3MHz	1 RB high	1880	16QAM	21.85	27.67
3MHz	50%,low	1880	16QAM	22.82	26.04
3MHz	50% RB mid	1880	16QAM	20.87	27.48
3MHz	50%,high	1880	16QAM	22.82	26.02
3MHz	100% RB	1880	16QAM	20.82	28.62
3MHz	1 RB low	1908.5	QPSK	22.84	28.19
3MHz	1 RB mid	1908.5	QPSK	22.90	27.97

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3MHz	1 RB high	1908.5	QPSK	22.64	27.97
3MHz	50%,low	1908.5	QPSK	22.72	25.94
3MHz	50% RB mid	1908.5	QPSK	21.91	28.07
3MHz	50%,high	1908.5	QPSK	22.71	25.96
3MHz	100% RB	1908.5	QPSK	21.89	27.70
3MHz	1 RB low	1908.5	16QAM	22.01	27.69
3MHz	1 RB mid	1908.5	16QAM	22.08	27.68
3MHz	1 RB high	1908.5	16QAM	21.85	27.50
3MHz	50%,low	1908.5	16QAM	22.74	25.99
3MHz	50% RB mid	1908.5	16QAM	20.95	27.93
3MHz	50%,high	1908.5	16QAM	22.72	25.99
3MHz	100% RB	1908.5	16QAM	20.84	27.39
5MHz	1 RB low	1852.5	QPSK	23.02	28.12
5MHz	1 RB mid	1852.5	QPSK	23.17	28.15
5MHz	1 RB high	1852.5	QPSK	23.18	28.28
5MHz	50%,low	1852.5	QPSK	21.82	28.17
5MHz	50% RB mid	1852.5	QPSK	21.92	28.16
5MHz	50%,high	1852.5	QPSK	21.97	28.25
5MHz	100% RB	1852.5	QPSK	21.85	28.00
5MHz	1 RB low	1852.5	16QAM	21.98	27.79
5MHz	1 RB mid	1852.5	16QAM	22.16	27.74
5MHz	1 RB high	1852.5	16QAM	22.20	27.97
5MHz	50%,low	1852.5	16QAM	20.73	28.11
5MHz	50% RB mid	1852.5	16QAM	20.93	28.04
5MHz	50%,high	1852.5	16QAM	20.99	28.23
5MHz	100% RB	1852.5	16QAM	20.92	27.46
5MHz	1 RB low	1880	QPSK	23.05	27.84
5MHz	1 RB mid	1880	QPSK	23.04	27.75
5MHz	1 RB high	1880	QPSK	23.02	27.80
5MHz	50%,low	1880	QPSK	21.88	28.60
5MHz	50% RB mid	1880	QPSK	21.93	28.46
5MHz	50%,high	1880	QPSK	21.87	28.47
5MHz	100% RB	1880	QPSK	21.87	28.37
5MHz	1 RB low	1880	16QAM	22.24	27.74
5MHz	1 RB mid	1880	16QAM	22.25	27.58
5MHz	1 RB high	1880	16QAM	22.21	27.72
5MHz	50%,low	1880	16QAM	21.00	27.51
5MHz	50% RB mid	1880	16QAM	21.15	27.66

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5MHz	50%,high	1880	16QAM	21.08	27.47
5MHz	100% RB	1880	16QAM	20.95	27.71
5MHz	1 RB low	1907.5	QPSK	23.13	27.99
5MHz	1 RB mid	1907.5	QPSK	23.04	27.96
5MHz	1 RB high	1907.5	QPSK	22.92	27.78
5MHz	50%,low	1907.5	QPSK	21.82	27.98
5MHz	50% RB mid	1907.5	QPSK	21.90	28.09
5MHz	50%,high	1907.5	QPSK	21.89	28.00
5MHz	100% RB	1907.5	QPSK	21.83	28.23
5MHz	1 RB low	1907.5	16QAM	22.13	27.91
5MHz	1 RB mid	1907.5	16QAM	22.04	27.79
5MHz	1 RB high	1907.5	16QAM	21.97	27.72
5MHz	50%,low	1907.5	16QAM	20.91	27.88
5MHz	50% RB mid	1907.5	16QAM	20.99	28.14
5MHz	50%,high	1907.5	16QAM	20.89	27.83
5MHz	100% RB	1907.5	16QAM	20.90	27.83
10MHz	1 RB low	1855	QPSK	23.07	28.07
10MHz	1 RB mid	1855	QPSK	23.04	28.01
10MHz	1 RB high	1855	QPSK	23.09	28.18
10MHz	50%,low	1855	QPSK	21.74	27.72
10MHz	50% RB mid	1855	QPSK	21.91	27.93
10MHz	50%,high	1855	QPSK	21.71	27.81
10MHz	100% RB	1855	QPSK	21.75	28.19
10MHz	1 RB low	1880	QPSK	22.92	28.38
10MHz	1 RB mid	1880	QPSK	22.89	28.29
10MHz	1 RB high	1880	QPSK	22.86	28.35
10MHz	50%,low	1880	QPSK	21.74	27.92
10MHz	50% RB mid	1880	QPSK	21.83	28.08
10MHz	50%,high	1880	QPSK	21.68	27.89
10MHz	100% RB	1880	QPSK	21.70	28.49
10MHz	1 RB low	1905	QPSK	23.01	28.13
10MHz	1 RB mid	1905	QPSK	22.94	28.18
10MHz	1 RB high	1905	QPSK	22.88	28.04
10MHz	50%,low	1905	QPSK	21.74	28.21
10MHz	50% RB mid	1905	QPSK	21.84	28.25
10MHz	50%,high	1905	QPSK	21.67	28.26
10MHz	100% RB	1905	QPSK	21.75	28.12
15MHz	1 RB low	1857.5	QPSK	23.02	28.12

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15MHz	1 RB mid	1857.5	QPSK	23.08	28.12
15MHz	1 RB high	1857.5	QPSK	23.04	28.17
15MHz	50%,low	1857.5	QPSK	21.91	28.55
15MHz	50% RB mid	1857.5	QPSK	21.98	28.65
15MHz	50%,high	1857.5	QPSK	21.89	28.50
15MHz	100% RB	1857.5	QPSK	21.85	28.34
15MHz	1 RB low	1880	QPSK	22.87	28.37
15MHz	1 RB mid	1880	QPSK	22.91	28.29
15MHz	1 RB high	1880	QPSK	22.74	28.26
15MHz	50%,low	1880	QPSK	21.89	28.25
15MHz	50% RB mid	1880	QPSK	21.97	28.25
15MHz	50%,high	1880	QPSK	21.84	28.18
15MHz	100% RB	1880	QPSK	21.87	28.58
15MHz	1 RB low	1902.5	QPSK	22.98	28.21
15MHz	1 RB mid	1902.5	QPSK	22.96	28.02
15MHz	1 RB high	1902.5	QPSK	22.80	28.04
15MHz	50%,low	1902.5	QPSK	21.80	28.41
15MHz	50% RB mid	1902.5	QPSK	21.85	28.37
15MHz	50%,high	1902.5	QPSK	21.81	28.41
15MHz	100% RB	1902.5	QPSK	21.79	28.48
20MHz	1 RB low	1860	QPSK	22.91	28.83
20MHz	1 RB mid	1860	QPSK	23.05	29.00
20MHz	1 RB high	1860	QPSK	22.75	28.81
20MHz	50%,low	1860	QPSK	21.95	28.39
20MHz	50% RB mid	1860	QPSK	21.94	28.39
20MHz	50%,high	1860	QPSK	21.79	28.38
20MHz	100% RB	1860	QPSK	21.75	28.25
20MHz	1 RB low	1880	QPSK	22.89	28.33
20MHz	1 RB mid	1880	QPSK	23.06	28.36
20MHz	1 RB high	1880	QPSK	22.81	28.24
20MHz	50%,low	1880	QPSK	21.81	28.21
20MHz	50% RB mid	1880	QPSK	21.95	28.31
20MHz	50%,high	1880	QPSK	21.73	28.14
20MHz	100% RB	1880	QPSK	21.79	28.19
20MHz	1 RB low	1900	QPSK	22.95	28.09
20MHz	1 RB mid	1900	QPSK	22.94	28.01
20MHz	1 RB high	1900	QPSK	22.85	27.97
20MHz	50%,low	1900	QPSK	21.77	28.06

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20MHz	50% RB mid	1900	QPSK	21.79	28.03
20MHz	50%,high	1900	QPSK	21.75	28.16
20MHz	100% RB	1900	QPSK	21.57	28.07

LTE band 4

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Avg Power (dBm)	Peak Power (dBm)
1.4MHz	1 RB low	1710.7	QPSK	23.27	29.18
1.4MHz	1 RB mid	1710.7	QPSK	23.26	28.91
1.4MHz	1 RB high	1710.7	QPSK	23.27	29.01
1.4MHz	50%,low	1710.7	QPSK	23.28	26.62
1.4MHz	50% RB mid	1710.7	QPSK	23.16	29.04
1.4MHz	50%,high	1710.7	QPSK	23.24	26.58
1.4MHz	100% RB	1710.7	QPSK	22.21	28.61
1.4MHz	1 RB low	1710.7	16QAM	22.32	28.30
1.4MHz	1 RB mid	1710.7	16QAM	22.44	28.28
1.4MHz	1 RB high	1710.7	16QAM	22.41	28.42
1.4MHz	50%,low	1710.7	16QAM	23.33	26.66
1.4MHz	50% RB mid	1710.7	16QAM	22.23	28.69
1.4MHz	50%,high	1710.7	16QAM	23.31	26.65
1.4MHz	100% RB	1710.7	16QAM	21.09	28.52
1.4MHz	1 RB low	1732.5	QPSK	22.73	28.50
1.4MHz	1 RB mid	1732.5	QPSK	22.76	28.41
1.4MHz	1 RB high	1732.5	QPSK	22.79	28.46
1.4MHz	50%,low	1732.5	QPSK	22.83	26.12
1.4MHz	50% RB mid	1732.5	QPSK	22.75	28.40
1.4MHz	50%,high	1732.5	QPSK	22.83	26.11
1.4MHz	100% RB	1732.5	QPSK	21.78	27.67
1.4MHz	1 RB low	1732.5	16QAM	21.92	28.08
1.4MHz	1 RB mid	1732.5	16QAM	22.03	28.06
1.4MHz	1 RB high	1732.5	16QAM	21.99	28.11
1.4MHz	50%,low	1732.5	16QAM	22.84	26.13
1.4MHz	50% RB mid	1732.5	16QAM	21.94	28.29
1.4MHz	50%,high	1732.5	16QAM	22.84	26.13
1.4MHz	100% RB	1732.5	16QAM	20.88	28.21
1.4MHz	1 RB low	1754.3	QPSK	22.64	27.88
1.4MHz	1 RB mid	1754.3	QPSK	22.65	27.77
1.4MHz	1 RB high	1754.3	QPSK	22.67	27.87
1.4MHz	50%,low	1754.3	QPSK	22.31	25.69
1.4MHz	50% RB mid	1754.3	QPSK	22.59	28.35

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1.4MHz	50%,high	1754.3	QPSK	22.60	25.97
1.4MHz	100% RB	1754.3	QPSK	21.61	28.17
1.4MHz	1 RB low	1754.3	16QAM	21.57	28.12
1.4MHz	1 RB mid	1754.3	16QAM	21.62	27.96
1.4MHz	1 RB high	1754.3	16QAM	21.57	28.08
1.4MHz	50%,low	1754.3	16QAM	22.60	25.99
1.4MHz	50% RB mid	1754.3	16QAM	21.70	28.40
1.4MHz	50%,high	1754.3	16QAM	22.60	25.98
1.4MHz	100% RB	1754.3	16QAM	20.70	27.31
3MHz	1 RB low	1711.5	QPSK	23.26	28.58
3MHz	1 RB mid	1711.5	QPSK	23.23	28.50
3MHz	1 RB high	1711.5	QPSK	23.11	28.52
3MHz	50%,low	1711.5	QPSK	23.23	26.61
3MHz	50% RB mid	1711.5	QPSK	22.14	28.45
3MHz	50%,high	1711.5	QPSK	23.22	26.61
3MHz	100% RB	1711.5	QPSK	22.11	28.42
3MHz	1 RB low	1711.5	16QAM	22.10	28.72
3MHz	1 RB mid	1711.5	16QAM	22.15	28.79
3MHz	1 RB high	1711.5	16QAM	22.02	28.76
3MHz	50%,low	1711.5	16QAM	23.22	26.60
3MHz	50% RB mid	1711.5	16QAM	21.12	28.56
3MHz	50%,high	1711.5	16QAM	23.22	26.63
3MHz	100% RB	1711.5	16QAM	21.03	29.13
3MHz	1 RB low	1732.5	QPSK	22.73	28.29
3MHz	1 RB mid	1732.5	QPSK	22.82	28.20
3MHz	1 RB high	1732.5	QPSK	22.79	28.26
3MHz	50%,low	1732.5	QPSK	22.85	26.10
3MHz	50% RB mid	1732.5	QPSK	21.83	27.80
3MHz	50%,high	1732.5	QPSK	22.86	26.11
3MHz	100% RB	1732.5	QPSK	21.79	27.80
3MHz	1 RB low	1732.5	16QAM	21.88	27.72
3MHz	1 RB mid	1732.5	16QAM	22.02	27.70
3MHz	1 RB high	1732.5	16QAM	21.95	27.79
3MHz	50%,low	1732.5	16QAM	22.86	26.12
3MHz	50% RB mid	1732.5	16QAM	20.84	27.55
3MHz	50%,high	1732.5	16QAM	22.86	26.12
3MHz	100% RB	1732.5	16QAM	20.76	28.64
3MHz	1 RB low	1753.5	QPSK	22.56	27.97

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3MHz	1 RB mid	1753.5	QPSK	22.64	27.79
3MHz	1 RB high	1753.5	QPSK	22.50	27.87
3MHz	50%,low	1753.5	QPSK	22.63	25.90
3MHz	50% RB mid	1753.5	QPSK	21.61	27.76
3MHz	50%,high	1753.5	QPSK	22.63	25.90
3MHz	100% RB	1753.5	QPSK	21.57	28.14
3MHz	1 RB low	1753.5	16QAM	21.79	27.56
3MHz	1 RB mid	1753.5	16QAM	21.79	27.45
3MHz	1 RB high	1753.5	16QAM	21.70	27.47
3MHz	50%,low	1753.5	16QAM	21.83	25.10
3MHz	50% RB mid	1753.5	16QAM	20.77	28.09
3MHz	50%,high	1753.5	16QAM	22.67	25.94
3MHz	100% RB	1753.5	16QAM	19.73	27.17
5MHz	1 RB low	1712.5	QPSK	23.43	28.67
5MHz	1 RB mid	1712.5	QPSK	23.29	28.60
5MHz	1 RB high	1712.5	QPSK	23.13	28.59
5MHz	50%,low	1712.5	QPSK	22.10	28.60
5MHz	50% RB mid	1712.5	QPSK	22.12	28.69
5MHz	50%,high	1712.5	QPSK	21.99	28.64
5MHz	100% RB	1712.5	QPSK	22.03	28.75
5MHz	1 RB low	1712.5	16QAM	22.35	28.33
5MHz	1 RB mid	1712.5	16QAM	22.34	28.15
5MHz	1 RB high	1712.5	16QAM	22.17	28.24
5MHz	50%,low	1712.5	16QAM	21.14	28.75
5MHz	50% RB mid	1712.5	16QAM	21.17	28.68
5MHz	50%,high	1712.5	16QAM	21.09	28.79
5MHz	100% RB	1712.5	16QAM	21.13	28.27
5MHz	1 RB low	1732.5	QPSK	22.87	27.77
5MHz	1 RB mid	1732.5	QPSK	23.00	27.74
5MHz	1 RB high	1732.5	QPSK	22.98	27.75
5MHz	50%,low	1732.5	QPSK	21.70	28.54
5MHz	50% RB mid	1732.5	QPSK	21.82	28.48
5MHz	50%,high	1732.5	QPSK	21.83	28.55
5MHz	100% RB	1732.5	QPSK	21.77	28.19
5MHz	1 RB low	1732.5	16QAM	22.11	27.72
5MHz	1 RB mid	1732.5	16QAM	22.21	27.59
5MHz	1 RB high	1732.5	16QAM	22.23	27.73
5MHz	50%,low	1732.5	16QAM	20.92	27.50

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5MHz	50% RB mid	1732.5	16QAM	21.01	27.67
5MHz	50%,high	1732.5	16QAM	21.00	27.54
5MHz	100% RB	1732.5	16QAM	20.80	27.75
5MHz	1 RB low	1752.5	QPSK	22.78	27.71
5MHz	1 RB mid	1752.5	QPSK	22.76	27.70
5MHz	1 RB high	1752.5	QPSK	22.67	27.64
5MHz	50%,low	1752.5	QPSK	21.66	27.69
5MHz	50% RB mid	1752.5	QPSK	21.68	27.88
5MHz	50%,high	1752.5	QPSK	21.63	27.75
5MHz	100% RB	1752.5	QPSK	21.59	27.94
5MHz	1 RB low	1752.5	16QAM	21.80	27.63
5MHz	1 RB mid	1752.5	16QAM	21.82	27.57
5MHz	1 RB high	1752.5	16QAM	21.76	27.58
5MHz	50%,low	1752.5	16QAM	20.73	27.72
5MHz	50% RB mid	1752.5	16QAM	20.86	27.98
5MHz	50%,high	1752.5	16QAM	20.71	27.70
5MHz	100% RB	1752.5	16QAM	20.73	28.12
10MHz	1 RB low	1715	QPSK	23.17	28.81
10MHz	1 RB mid	1715	QPSK	22.99	28.79
10MHz	1 RB high	1715	QPSK	22.78	28.73
10MHz	50%,low	1715	QPSK	21.91	28.44
10MHz	50% RB mid	1715	QPSK	21.85	28.40
10MHz	50%,high	1715	QPSK	21.63	28.23
10MHz	100% RB	1715	QPSK	21.69	28.70
10MHz	1 RB low	1732.5	QPSK	22.66	28.03
10MHz	1 RB mid	1732.5	QPSK	22.74	27.99
10MHz	1 RB high	1732.5	QPSK	22.77	27.91
10MHz	50%,low	1732.5	QPSK	21.47	28.08
10MHz	50% RB mid	1732.5	QPSK	21.68	28.09
10MHz	50%,high	1732.5	QPSK	21.63	28.22
10MHz	100% RB	1732.5	QPSK	21.55	27.69
10MHz	1 RB low	1750	QPSK	22.77	27.80
10MHz	1 RB mid	1750	QPSK	22.53	27.60
10MHz	1 RB high	1750	QPSK	22.51	27.69
10MHz	50%,low	1750	QPSK	21.42	27.42
10MHz	50% RB mid	1750	QPSK	21.52	27.55
10MHz	50%,high	1750	QPSK	21.38	27.57
10MHz	100% RB	1750	QPSK	21.40	27.57

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15MHz	1 RB low	1717.5	QPSK	23.17	28.45
15MHz	1 RB mid	1717.5	QPSK	22.92	28.31
15MHz	1 RB high	1717.5	QPSK	22.83	28.20
15MHz	50%,low	1717.5	QPSK	21.87	28.88
15MHz	50% RB mid	1717.5	QPSK	21.75	28.91
15MHz	50%,high	1717.5	QPSK	21.69	28.74
15MHz	100% RB	1717.5	QPSK	21.75	28.54
15MHz	1 RB low	1732.5	QPSK	22.62	28.39
15MHz	1 RB mid	1732.5	QPSK	22.84	28.22
15MHz	1 RB high	1732.5	QPSK	22.82	28.18
15MHz	50%,low	1732.5	QPSK	21.67	28.17
15MHz	50% RB mid	1732.5	QPSK	21.78	28.16
15MHz	50%,high	1732.5	QPSK	21.80	28.13
15MHz	100% RB	1732.5	QPSK	21.69	28.53
15MHz	1 RB low	1747.5	QPSK	22.80	27.94
15MHz	1 RB mid	1747.5	QPSK	22.68	27.81
15MHz	1 RB high	1747.5	QPSK	22.54	27.85
15MHz	50%,low	1747.5	QPSK	21.75	28.32
15MHz	50% RB mid	1747.5	QPSK	21.72	28.19
15MHz	50%,high	1747.5	QPSK	21.62	28.18
15MHz	100% RB	1747.5	QPSK	21.64	28.30
20MHz	1 RB low	1720	QPSK	23.15	28.52
20MHz	1 RB mid	1720	QPSK	22.85	28.36
20MHz	1 RB high	1720	QPSK	22.76	28.06
20MHz	50%,low	1720	QPSK	21.71	28.44
20MHz	50% RB mid	1720	QPSK	21.62	28.47
20MHz	50%,high	1720	QPSK	21.51	28.26
20MHz	100% RB	1720	QPSK	21.51	28.31
20MHz	1 RB low	1732.5	QPSK	22.46	28.83
20MHz	1 RB mid	1732.5	QPSK	22.82	28.64
20MHz	1 RB high	1732.5	QPSK	22.69	28.55
20MHz	50%,low	1732.5	QPSK	21.54	28.30
20MHz	50% RB mid	1732.5	QPSK	21.78	28.25
20MHz	50%,high	1732.5	QPSK	21.74	28.14
20MHz	100% RB	1732.5	QPSK	21.65	28.19
20MHz	1 RB low	1745	QPSK	22.76	28.09
20MHz	1 RB mid	1745	QPSK	22.86	28.19
20MHz	1 RB high	1745	QPSK	22.46	27.98

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20MHz	50%,low	1745	QPSK	21.64	28.06
20MHz	50% RB mid	1745	QPSK	21.75	28.09
20MHz	50%,high	1745	QPSK	21.56	28.01
20MHz	100% RB	1745	QPSK	21.60	27.97

LTE band 5

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Avg Power (dBm)	Peak Power (dBm)
1.4MHz	1 RB low	824.7	QPSK	22.16	28.22
1.4MHz	1 RB mid	824.7	QPSK	22.11	28.15
1.4MHz	1 RB high	824.7	QPSK	22.15	28.24
1.4MHz	50%,low	824.7	QPSK	22.19	25.30
1.4MHz	50% RB mid	824.7	QPSK	22.14	28.02
1.4MHz	50%,high	824.7	QPSK	22.17	25.28
1.4MHz	100% RB	824.7	QPSK	21.16	27.26
1.4MHz	1 RB low	824.7	16QAM	21.27	27.59
1.4MHz	1 RB mid	824.7	16QAM	21.35	27.61
1.4MHz	1 RB high	824.7	16QAM	21.27	27.59
1.4MHz	50%,low	824.7	16QAM	21.34	24.47
1.4MHz	50% RB mid	824.7	16QAM	21.28	28.00
1.4MHz	50%,high	824.7	16QAM	22.17	25.28
1.4MHz	100% RB	824.7	16QAM	20.22	27.35
1.4MHz	1 RB low	836.5	QPSK	22.32	27.66
1.4MHz	1 RB mid	836.5	QPSK	22.32	27.51
1.4MHz	1 RB high	836.5	QPSK	22.33	27.59
1.4MHz	50%,low	836.5	QPSK	22.24	25.44
1.4MHz	50% RB mid	836.5	QPSK	22.27	28.06
1.4MHz	50%,high	836.5	QPSK	22.23	25.44
1.4MHz	100% RB	836.5	QPSK	21.27	28.09
1.4MHz	1 RB low	836.5	16QAM	21.22	27.88
1.4MHz	1 RB mid	836.5	16QAM	21.26	27.92
1.4MHz	1 RB high	836.5	16QAM	21.21	27.89
1.4MHz	50%,low	836.5	16QAM	21.90	25.12
1.4MHz	50% RB mid	836.5	16QAM	21.35	28.13
1.4MHz	50%,high	836.5	16QAM	22.24	25.45
1.4MHz	100% RB	836.5	16QAM	20.37	27.13
1.4MHz	1 RB low	848.3	QPSK	22.59	28.39
1.4MHz	1 RB mid	848.3	QPSK	22.47	28.21
1.4MHz	1 RB high	848.3	QPSK	22.44	28.21
1.4MHz	50%,low	848.3	QPSK	22.49	25.59

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1.4MHz	50% RB mid	848.3	QPSK	22.52	28.29
1.4MHz	50%,high	848.3	QPSK	22.47	25.57
1.4MHz	100% RB	848.3	QPSK	21.52	27.50
1.4MHz	1 RB low	848.3	16QAM	21.67	27.56
1.4MHz	1 RB mid	848.3	16QAM	21.68	27.54
1.4MHz	1 RB high	848.3	16QAM	21.57	27.40
1.4MHz	50%,low	848.3	16QAM	21.47	24.58
1.4MHz	50% RB mid	848.3	16QAM	21.56	27.91
1.4MHz	50%,high	848.3	16QAM	22.48	25.57
1.4MHz	100% RB	848.3	16QAM	20.44	27.34
3MHz	1 RB low	825.5	QPSK	22.10	27.43
3MHz	1 RB mid	825.5	QPSK	22.22	27.50
3MHz	1 RB high	825.5	QPSK	22.16	27.46
3MHz	50%,low	825.5	QPSK	22.09	25.32
3MHz	50% RB mid	825.5	QPSK	21.14	27.33
3MHz	50%,high	825.5	QPSK	22.09	25.32
3MHz	100% RB	825.5	QPSK	21.12	26.98
3MHz	1 RB low	825.5	16QAM	20.97	27.72
3MHz	1 RB mid	825.5	16QAM	21.13	27.75
3MHz	1 RB high	825.5	16QAM	21.06	27.71
3MHz	50%,low	825.5	16QAM	22.09	25.33
3MHz	50% RB mid	825.5	16QAM	20.22	27.41
3MHz	50%,high	825.5	16QAM	22.09	25.32
3MHz	100% RB	825.5	16QAM	20.14	28.17
3MHz	1 RB low	836.5	QPSK	22.30	28.14
3MHz	1 RB mid	836.5	QPSK	22.29	28.00
3MHz	1 RB high	836.5	QPSK	22.16	27.95
3MHz	50%,low	836.5	QPSK	22.22	25.35
3MHz	50% RB mid	836.5	QPSK	21.28	27.05
3MHz	50%,high	836.5	QPSK	22.23	25.37
3MHz	100% RB	836.5	QPSK	21.30	27.05
3MHz	1 RB low	836.5	16QAM	21.41	27.32
3MHz	1 RB mid	836.5	16QAM	21.39	27.22
3MHz	1 RB high	836.5	16QAM	21.26	27.13
3MHz	50%,low	836.5	16QAM	22.23	25.37
3MHz	50% RB mid	836.5	16QAM	20.30	27.39
3MHz	50%,high	836.5	16QAM	22.24	25.37
3MHz	100% RB	836.5	16QAM	20.27	26.81

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3MHz	1 RB low	847.5	QPSK	22.56	28.01
3MHz	1 RB mid	847.5	QPSK	22.58	27.99
3MHz	1 RB high	847.5	QPSK	22.39	27.84
3MHz	50%,low	847.5	QPSK	22.39	25.52
3MHz	50% RB mid	847.5	QPSK	21.61	27.83
3MHz	50%,high	847.5	QPSK	22.38	25.52
3MHz	100% RB	847.5	QPSK	21.56	27.72
3MHz	1 RB low	847.5	16QAM	21.75	27.41
3MHz	1 RB mid	847.5	16QAM	21.73	27.47
3MHz	1 RB high	847.5	16QAM	21.55	27.28
3MHz	50%,low	847.5	16QAM	22.38	25.52
3MHz	50% RB mid	847.5	16QAM	20.69	27.82
3MHz	50%,high	847.5	16QAM	22.39	25.52
3MHz	100% RB	847.5	16QAM	20.56	27.41
5MHz	1 RB low	826.5	QPSK	22.20	27.25
5MHz	1 RB mid	826.5	QPSK	22.32	27.15
5MHz	1 RB high	826.5	QPSK	22.27	27.30
5MHz	50%,low	826.5	QPSK	21.15	27.37
5MHz	50% RB mid	826.5	QPSK	21.24	27.24
5MHz	50%,high	826.5	QPSK	21.17	27.32
5MHz	100% RB	826.5	QPSK	21.19	27.28
5MHz	1 RB low	826.5	16QAM	21.21	27.08
5MHz	1 RB mid	826.5	16QAM	21.33	27.20
5MHz	1 RB high	826.5	16QAM	21.33	27.18
5MHz	50%,low	826.5	16QAM	20.23	27.39
5MHz	50% RB mid	826.5	16QAM	20.33	27.22
5MHz	50%,high	826.5	16QAM	20.36	27.49
5MHz	100% RB	826.5	16QAM	20.24	27.12
5MHz	1 RB low	836.5	QPSK	22.56	27.95
5MHz	1 RB mid	836.5	QPSK	22.42	27.65
5MHz	1 RB high	836.5	QPSK	22.25	27.55
5MHz	50%,low	836.5	QPSK	21.27	27.82
5MHz	50% RB mid	836.5	QPSK	21.31	27.69
5MHz	50%,high	836.5	QPSK	21.21	27.64
5MHz	100% RB	836.5	QPSK	21.31	27.76
5MHz	1 RB low	836.5	16QAM	21.48	27.44
5MHz	1 RB mid	836.5	16QAM	21.41	27.24
5MHz	1 RB high	836.5	16QAM	21.24	27.10

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5MHz	50%,low	836.5	16QAM	20.31	27.67
5MHz	50% RB mid	836.5	16QAM	20.38	27.65
5MHz	50%,high	836.5	16QAM	20.25	27.51
5MHz	100% RB	836.5	16QAM	20.39	27.69
5MHz	1 RB low	846.5	QPSK	22.62	27.50
5MHz	1 RB mid	846.5	QPSK	22.67	27.54
5MHz	1 RB high	846.5	QPSK	22.50	27.42
5MHz	50%,low	846.5	QPSK	21.58	28.32
5MHz	50% RB mid	846.5	QPSK	21.62	28.49
5MHz	50%,high	846.5	QPSK	21.56	28.24
5MHz	100% RB	846.5	QPSK	21.50	27.77
5MHz	1 RB low	846.5	16QAM	21.84	27.38
5MHz	1 RB mid	846.5	16QAM	21.90	27.44
5MHz	1 RB high	846.5	16QAM	21.68	27.30
5MHz	50%,low	846.5	16QAM	20.72	27.25
5MHz	50% RB mid	846.5	16QAM	20.77	27.28
5MHz	50%,high	846.5	16QAM	20.67	27.39
5MHz	100% RB	846.5	16QAM	20.53	27.30
10MHz	1 RB low	829	QPSK	22.12	27.56
10MHz	1 RB mid	829	QPSK	22.29	27.65
10MHz	1 RB high	829	QPSK	22.36	27.81
10MHz	50%,low	829	QPSK	21.09	27.69
10MHz	50% RB mid	829	QPSK	21.22	27.77
10MHz	50%,high	829	QPSK	21.20	27.93
10MHz	100% RB	829	QPSK	21.02	27.30
10MHz	1 RB low	836.5	QPSK	22.56	27.86
10MHz	1 RB mid	836.5	QPSK	22.37	27.56
10MHz	1 RB high	836.5	QPSK	22.24	27.41
10MHz	50%,low	836.5	QPSK	21.14	27.09
10MHz	50% RB mid	836.5	QPSK	21.27	27.32
10MHz	50%,high	836.5	QPSK	20.97	26.98
10MHz	100% RB	836.5	QPSK	21.22	27.34
10MHz	1 RB low	844	QPSK	22.15	27.84
10MHz	1 RB mid	844	QPSK	22.37	27.98
10MHz	1 RB high	844	QPSK	22.39	28.15
10MHz	50%,low	844	QPSK	21.19	27.36
10MHz	50% RB mid	844	QPSK	21.36	27.49
10MHz	50%,high	844	QPSK	21.41	27.63

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10MHz	100% RB	844	QPSK	21.08	27.69
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LTE band 7

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Avg Power (dBm)	Peak Power (dBm)
5MHz	1 RB low	2502.5	QPSK	23.12	27.70
5MHz	1 RB mid	2502.5	QPSK	23.16	27.72
5MHz	1 RB high	2502.5	QPSK	23.07	27.79
5MHz	50%,low	2502.5	QPSK	21.84	27.72
5MHz	50% RB mid	2502.5	QPSK	21.98	27.83
5MHz	50%,high	2502.5	QPSK	21.91	27.74
5MHz	100% RB	2502.5	QPSK	21.89	27.72
5MHz	1 RB low	2502.5	16QAM	22.05	27.42
5MHz	1 RB mid	2502.5	16QAM	22.12	27.33
5MHz	1 RB high	2502.5	16QAM	22.08	27.52
5MHz	50%,low	2502.5	16QAM	20.89	27.79
5MHz	50% RB mid	2502.5	16QAM	20.98	27.71
5MHz	50%,high	2502.5	16QAM	20.96	27.87
5MHz	100% RB	2502.5	16QAM	20.95	27.38
5MHz	1 RB low	2535	QPSK	22.47	27.36
5MHz	1 RB mid	2535	QPSK	22.43	27.31
5MHz	1 RB high	2535	QPSK	22.38	27.36
5MHz	50%,low	2535	QPSK	21.27	28.21
5MHz	50% RB mid	2535	QPSK	21.33	28.13
5MHz	50%,high	2535	QPSK	21.24	28.20
5MHz	100% RB	2535	QPSK	21.27	27.75
5MHz	1 RB low	2535	16QAM	21.70	27.29
5MHz	1 RB mid	2535	16QAM	21.62	27.12
5MHz	1 RB high	2535	16QAM	21.58	27.28
5MHz	50%,low	2535	16QAM	20.46	27.08
5MHz	50% RB mid	2535	16QAM	20.54	27.28
5MHz	50%,high	2535	16QAM	20.39	26.99
5MHz	100% RB	2535	16QAM	20.33	27.36
5MHz	1 RB low	2567.5	QPSK	22.39	27.11
5MHz	1 RB mid	2567.5	QPSK	22.41	27.06
5MHz	1 RB high	2567.5	QPSK	22.34	26.92
5MHz	50%,low	2567.5	QPSK	21.28	27.11
5MHz	50% RB mid	2567.5	QPSK	21.33	27.20
5MHz	50%,high	2567.5	QPSK	21.30	27.06
5MHz	100% RB	2567.5	QPSK	21.24	27.37

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5MHz	1 RB low	2567.5	16QAM	21.44	27.10
5MHz	1 RB mid	2567.5	16QAM	21.43	26.91
5MHz	1 RB high	2567.5	16QAM	21.42	26.89
5MHz	50%,low	2567.5	16QAM	20.41	27.27
5MHz	50% RB mid	2567.5	16QAM	20.48	27.40
5MHz	50%,high	2567.5	16QAM	20.44	27.20
5MHz	100% RB	2567.5	16QAM	20.35	27.66
10MHz	1 RB low	2505	QPSK	23.11	27.66
10MHz	1 RB mid	2505	QPSK	23.06	27.66
10MHz	1 RB high	2505	QPSK	22.94	27.74
10MHz	50%,low	2505	QPSK	21.78	27.40
10MHz	50% RB mid	2505	QPSK	21.96	27.48
10MHz	50%,high	2505	QPSK	21.77	27.50
10MHz	100% RB	2505	QPSK	21.80	27.64
10MHz	1 RB low	2535	QPSK	22.44	28.11
10MHz	1 RB mid	2535	QPSK	22.35	28.01
10MHz	1 RB high	2535	QPSK	22.23	27.95
10MHz	50%,low	2535	QPSK	21.18	27.56
10MHz	50% RB mid	2535	QPSK	21.29	27.61
10MHz	50%,high	2535	QPSK	21.09	27.30
10MHz	100% RB	2535	QPSK	21.14	28.03
10MHz	1 RB low	2565	QPSK	22.53	27.52
10MHz	1 RB mid	2565	QPSK	22.30	27.41
10MHz	1 RB high	2565	QPSK	22.32	27.12
10MHz	50%,low	2565	QPSK	21.24	27.68
10MHz	50% RB mid	2565	QPSK	21.36	27.58
10MHz	50%,high	2565	QPSK	21.19	27.45
10MHz	100% RB	2565	QPSK	21.22	27.19
15MHz	1 RB low	2507.5	QPSK	23.16	27.71
15MHz	1 RB mid	2507.5	QPSK	23.05	27.72
15MHz	1 RB high	2507.5	QPSK	23.00	27.85
15MHz	50%,low	2507.5	QPSK	21.97	28.10
15MHz	50% RB mid	2507.5	QPSK	21.97	28.14
15MHz	50%,high	2507.5	QPSK	21.88	28.24
15MHz	100% RB	2507.5	QPSK	21.85	28.09
15MHz	1 RB low	2535	QPSK	22.46	28.08
15MHz	1 RB mid	2535	QPSK	22.28	27.92
15MHz	1 RB high	2535	QPSK	22.37	27.94

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15MHz	50%,low	2535	QPSK	21.32	27.81
15MHz	50% RB mid	2535	QPSK	21.36	27.87
15MHz	50%,high	2535	QPSK	21.28	27.79
15MHz	100% RB	2535	QPSK	21.38	28.30
15MHz	1 RB low	2562.5	QPSK	22.58	27.49
15MHz	1 RB mid	2562.5	QPSK	22.45	27.45
15MHz	1 RB high	2562.5	QPSK	22.31	27.13
15MHz	50%,low	2562.5	QPSK	21.51	27.87
15MHz	50% RB mid	2562.5	QPSK	21.45	27.77
15MHz	50%,high	2562.5	QPSK	21.28	27.75
15MHz	100% RB	2562.5	QPSK	21.34	27.83
20MHz	1 RB low	2510	QPSK	23.01	28.17
20MHz	1 RB mid	2510	QPSK	22.86	28.35
20MHz	1 RB high	2510	QPSK	22.58	28.42
20MHz	50%,low	2510	QPSK	21.87	27.92
20MHz	50% RB mid	2510	QPSK	21.83	28.00
20MHz	50%,high	2510	QPSK	21.74	27.98
20MHz	100% RB	2510	QPSK	21.65	28.00
20MHz	1 RB low	2535	QPSK	22.52	27.96
20MHz	1 RB mid	2535	QPSK	22.43	28.05
20MHz	1 RB high	2535	QPSK	22.39	27.80
20MHz	50%,low	2535	QPSK	21.28	27.96
20MHz	50% RB mid	2535	QPSK	21.42	28.08
20MHz	50%,high	2535	QPSK	21.23	27.88
20MHz	100% RB	2535	QPSK	21.35	28.05
20MHz	1 RB low	2560	QPSK	22.52	27.43
20MHz	1 RB mid	2560	QPSK	22.65	27.52
20MHz	1 RB high	2560	QPSK	22.31	27.11
20MHz	50%,low	2560	QPSK	21.48	27.55
20MHz	50% RB mid	2560	QPSK	21.52	27.62
20MHz	50%,high	2560	QPSK	21.26	27.38
20MHz	100% RB	2560	QPSK	21.35	27.66

LTE band 41

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Avg Power (dBm)	Peak Power (dBm)
5MHz	1 RB low	2498.5	QPSK	21.88	27.31
5MHz	1 RB mid	2498.5	QPSK	21.89	27.26
5MHz	1 RB high	2498.5	QPSK	21.84	27.30
5MHz	50%,low	2498.5	QPSK	20.66	28.22

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5MHz	50% RB mid	2498.5	QPSK	20.74	28.16
5MHz	50%,high	2498.5	QPSK	20.70	28.30
5MHz	100% RB	2498.5	QPSK	20.67	27.22
5MHz	1 RB low	2498.5	16QAM	21.12	27.31
5MHz	1 RB mid	2498.5	16QAM	21.16	27.23
5MHz	1 RB high	2498.5	16QAM	21.15	27.40
5MHz	50%,low	2498.5	16QAM	19.83	27.16
5MHz	50% RB mid	2498.5	16QAM	19.92	27.34
5MHz	50%,high	2498.5	16QAM	19.86	27.15
5MHz	100% RB	2498.5	16QAM	19.65	26.90
5MHz	1 RB low	2593	QPSK	21.79	27.52
5MHz	1 RB mid	2593	QPSK	21.76	27.28
5MHz	1 RB high	2593	QPSK	21.65	27.38
5MHz	50%,low	2593	QPSK	20.59	27.15
5MHz	50% RB mid	2593	QPSK	20.65	27.28
5MHz	50%,high	2593	QPSK	20.57	27.08
5MHz	100% RB	2593	QPSK	20.57	27.10
5MHz	1 RB low	2593	16QAM	20.81	27.56
5MHz	1 RB mid	2593	16QAM	20.79	27.34
5MHz	1 RB high	2593	16QAM	20.68	27.38
5MHz	50%,low	2593	16QAM	19.76	27.15
5MHz	50% RB mid	2593	16QAM	19.82	26.97
5MHz	50%,high	2593	16QAM	19.75	27.02
5MHz	100% RB	2593	16QAM	19.71	27.59
5MHz	1 RB low	2687.5	QPSK	21.59	27.18
5MHz	1 RB mid	2687.5	QPSK	21.39	26.89
5MHz	1 RB high	2687.5	QPSK	21.40	26.93
5MHz	50%,low	2687.5	QPSK	20.33	27.26
5MHz	50% RB mid	2687.5	QPSK	20.37	27.16
5MHz	50%,high	2687.5	QPSK	20.30	27.08
5MHz	100% RB	2687.5	QPSK	20.31	26.79
5MHz	1 RB low	2687.5	16QAM	20.67	26.57
5MHz	1 RB mid	2687.5	16QAM	20.57	26.20
5MHz	1 RB high	2687.5	16QAM	20.50	26.36
5MHz	50%,low	2687.5	16QAM	19.34	27.52
5MHz	50% RB mid	2687.5	16QAM	19.39	27.28
5MHz	50%,high	2687.5	16QAM	19.31	27.30
5MHz	100% RB	2687.5	16QAM	19.36	26.37

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10MHz	1 RB low	2501	QPSK	22.00	28.60
10MHz	1 RB mid	2501	QPSK	22.03	28.54
10MHz	1 RB high	2501	QPSK	22.03	28.60
10MHz	50%,low	2501	QPSK	20.74	28.00
10MHz	50% RB mid	2501	QPSK	20.89	28.01
10MHz	50%,high	2501	QPSK	20.76	27.85
10MHz	100% RB	2501	QPSK	20.74	27.51
10MHz	1 RB low	2593	QPSK	22.02	27.87
10MHz	1 RB mid	2593	QPSK	21.92	27.75
10MHz	1 RB high	2593	QPSK	21.75	27.64
10MHz	50%,low	2593	QPSK	20.69	27.13
10MHz	50% RB mid	2593	QPSK	20.79	27.21
10MHz	50%,high	2593	QPSK	20.61	27.15
10MHz	100% RB	2593	QPSK	20.65	27.35
10MHz	1 RB low	2685	QPSK	21.83	28.04
10MHz	1 RB mid	2685	QPSK	21.66	27.81
10MHz	1 RB high	2685	QPSK	21.48	27.65
10MHz	50%,low	2685	QPSK	20.43	27.34
10MHz	50% RB mid	2685	QPSK	20.59	27.59
10MHz	50%,high	2685	QPSK	20.38	27.24
10MHz	100% RB	2685	QPSK	20.45	27.83
15MHz	1 RB low	2503.5	QPSK	22.00	28.60
15MHz	1 RB mid	2503.5	QPSK	22.11	28.68
15MHz	1 RB high	2503.5	QPSK	21.97	28.47
15MHz	50%,low	2503.5	QPSK	20.89	28.29
15MHz	50% RB mid	2503.5	QPSK	20.98	28.32
15MHz	50%,high	2503.5	QPSK	20.96	28.36
15MHz	100% RB	2503.5	QPSK	20.86	27.84
15MHz	1 RB low	2593	QPSK	21.99	27.87
15MHz	1 RB mid	2593	QPSK	21.94	27.82
15MHz	1 RB high	2593	QPSK	21.66	27.59
15MHz	50%,low	2593	QPSK	20.84	28.15
15MHz	50% RB mid	2593	QPSK	20.85	28.23
15MHz	50%,high	2593	QPSK	20.69	27.96
15MHz	100% RB	2593	QPSK	20.74	27.59
15MHz	1 RB low	2682.5	QPSK	21.75	27.75
15MHz	1 RB mid	2682.5	QPSK	21.72	27.72
15MHz	1 RB high	2682.5	QPSK	21.42	27.50

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15MHz	50%,low	2682.5	QPSK	20.61	27.71
15MHz	50% RB mid	2682.5	QPSK	20.66	27.77
15MHz	50%,high	2682.5	QPSK	20.55	27.68
15MHz	100% RB	2682.5	QPSK	20.56	27.79
20MHz	1 RB low	2506	QPSK	21.85	27.42
20MHz	1 RB mid	2506	QPSK	22.11	27.54
20MHz	1 RB high	2506	QPSK	21.78	27.36
20MHz	50%,low	2506	QPSK	20.81	27.78
20MHz	50% RB mid	2506	QPSK	21.02	27.89
20MHz	50%,high	2506	QPSK	20.83	27.71
20MHz	100% RB	2506	QPSK	20.86	27.67
20MHz	1 RB low	2593	QPSK	21.86	27.72
20MHz	1 RB mid	2593	QPSK	21.90	27.60
20MHz	1 RB high	2593	QPSK	21.33	27.15
20MHz	50%,low	2593	QPSK	20.78	27.92
20MHz	50% RB mid	2593	QPSK	20.83	27.99
20MHz	50%,high	2593	QPSK	20.57	27.82
20MHz	100% RB	2593	QPSK	20.66	27.45
20MHz	1 RB low	2680	QPSK	21.85	27.91
20MHz	1 RB mid	2680	QPSK	21.89	27.94
20MHz	1 RB high	2680	QPSK	21.33	27.45
20MHz	50%,low	2680	QPSK	20.57	27.97
20MHz	50% RB mid	2680	QPSK	20.63	28.05
20MHz	50%,high	2680	QPSK	20.50	27.86
20MHz	100% RB	2680	QPSK	20.48	27.30

LTE band 66

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Avg Power (dBm)	Peak Power (dBm)
1.4MHz	1 RB low	1710.7	QPSK	23.61	29.12
1.4MHz	1 RB mid	1710.7	QPSK	23.55	29.09
1.4MHz	1 RB high	1710.7	QPSK	23.57	29.19
1.4MHz	50%,low	1710.7	QPSK	23.64	26.98
1.4MHz	50% RB mid	1710.7	QPSK	23.51	29.21
1.4MHz	50%,high	1710.7	QPSK	22.71	26.04
1.4MHz	100% RB	1710.7	QPSK	22.42	28.94
1.4MHz	1 RB low	1710.7	16QAM	22.57	28.49
1.4MHz	1 RB mid	1710.7	16QAM	22.64	28.43
1.4MHz	1 RB high	1710.7	16QAM	22.60	28.54
1.4MHz	50%,low	1710.7	16QAM	23.61	26.94

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1.4MHz	50% RB mid	1710.7	16QAM	22.46	28.84
1.4MHz	50%,high	1710.7	16QAM	23.59	26.93
1.4MHz	100% RB	1710.7	16QAM	21.23	28.66
1.4MHz	1 RB low	1745	QPSK	22.75	28.45
1.4MHz	1 RB mid	1745	QPSK	22.66	28.32
1.4MHz	1 RB high	1745	QPSK	22.68	28.37
1.4MHz	50%,low	1745	QPSK	22.74	26.02
1.4MHz	50% RB mid	1745	QPSK	22.66	28.30
1.4MHz	50%,high	1745	QPSK	22.73	26.00
1.4MHz	100% RB	1745	QPSK	21.64	27.58
1.4MHz	1 RB low	1745	16QAM	21.89	27.99
1.4MHz	1 RB mid	1745	16QAM	21.88	27.91
1.4MHz	1 RB high	1745	16QAM	21.82	27.95
1.4MHz	50%,low	1745	16QAM	22.31	25.59
1.4MHz	50% RB mid	1745	16QAM	21.80	28.14
1.4MHz	50%,high	1745	16QAM	22.74	26.02
1.4MHz	100% RB	1745	16QAM	20.80	28.09
1.4MHz	1 RB low	1779.3	QPSK	22.32	27.30
1.4MHz	1 RB mid	1779.3	QPSK	22.27	27.17
1.4MHz	1 RB high	1779.3	QPSK	22.24	27.22
1.4MHz	50%,low	1779.3	QPSK	22.24	25.54
1.4MHz	50% RB mid	1779.3	QPSK	22.23	27.69
1.4MHz	50%,high	1779.3	QPSK	22.23	25.54
1.4MHz	100% RB	1779.3	QPSK	21.29	27.86
1.4MHz	1 RB low	1779.3	16QAM	21.28	27.51
1.4MHz	1 RB mid	1779.3	16QAM	21.29	27.34
1.4MHz	1 RB high	1779.3	16QAM	21.21	27.45
1.4MHz	50%,low	1779.3	16QAM	22.24	25.54
1.4MHz	50% RB mid	1779.3	16QAM	21.38	27.76
1.4MHz	50%,high	1779.3	16QAM	22.24	25.54
1.4MHz	100% RB	1779.3	16QAM	20.41	26.84
3MHz	1 RB low	1711.5	QPSK	23.51	28.68
3MHz	1 RB mid	1711.5	QPSK	23.56	28.74
3MHz	1 RB high	1711.5	QPSK	23.37	28.72
3MHz	50%,low	1711.5	QPSK	23.50	26.88
3MHz	50% RB mid	1711.5	QPSK	22.38	28.77
3MHz	50%,high	1711.5	QPSK	23.49	26.87
3MHz	100% RB	1711.5	QPSK	22.34	28.47

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3MHz	1 RB low	1711.5	16QAM	22.26	28.81
3MHz	1 RB mid	1711.5	16QAM	22.39	28.94
3MHz	1 RB high	1711.5	16QAM	22.18	28.87
3MHz	50%,low	1711.5	16QAM	23.48	26.88
3MHz	50% RB mid	1711.5	16QAM	21.30	28.71
3MHz	50%,high	1711.5	16QAM	23.58	26.95
3MHz	100% RB	1711.5	16QAM	21.21	29.18
3MHz	1 RB low	1745	QPSK	22.67	28.18
3MHz	1 RB mid	1745	QPSK	22.77	28.11
3MHz	1 RB high	1745	QPSK	22.60	28.11
3MHz	50%,low	1745	QPSK	22.76	26.02
3MHz	50% RB mid	1745	QPSK	21.69	27.72
3MHz	50%,high	1745	QPSK	22.76	26.01
3MHz	100% RB	1745	QPSK	21.66	27.36
3MHz	1 RB low	1745	16QAM	21.79	27.63
3MHz	1 RB mid	1745	16QAM	21.88	27.57
3MHz	1 RB high	1745	16QAM	21.65	27.52
3MHz	50%,low	1745	16QAM	22.76	26.00
3MHz	50% RB mid	1745	16QAM	20.72	27.57
3MHz	50%,high	1745	16QAM	22.76	26.01
3MHz	100% RB	1745	16QAM	20.66	27.43
3MHz	1 RB low	1778.5	QPSK	22.25	27.35
3MHz	1 RB mid	1778.5	QPSK	22.26	27.18
3MHz	1 RB high	1778.5	QPSK	22.03	27.18
3MHz	50%,low	1778.5	QPSK	22.25	25.43
3MHz	50% RB mid	1778.5	QPSK	21.33	27.09
3MHz	50%,high	1778.5	QPSK	21.94	25.14
3MHz	100% RB	1778.5	QPSK	21.32	27.80
3MHz	1 RB low	1778.5	16QAM	21.52	26.98
3MHz	1 RB mid	1778.5	16QAM	21.50	26.93
3MHz	1 RB high	1778.5	16QAM	21.29	26.85
3MHz	50%,low	1778.5	16QAM	22.26	25.48
3MHz	50% RB mid	1778.5	16QAM	20.50	27.41
3MHz	50%,high	1778.5	16QAM	22.26	25.47
3MHz	100% RB	1778.5	16QAM	20.42	27.06
5MHz	1 RB low	1712.5	QPSK	23.75	28.88
5MHz	1 RB mid	1712.5	QPSK	23.55	28.79
5MHz	1 RB high	1712.5	QPSK	23.40	28.76

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5MHz	50%,low	1712.5	QPSK	22.26	28.76
5MHz	50% RB mid	1712.5	QPSK	22.34	28.85
5MHz	50%,high	1712.5	QPSK	22.25	28.76
5MHz	100% RB	1712.5	QPSK	22.24	28.91
5MHz	1 RB low	1712.5	16QAM	22.56	28.48
5MHz	1 RB mid	1712.5	16QAM	22.52	28.29
5MHz	1 RB high	1712.5	16QAM	22.39	28.41
5MHz	50%,low	1712.5	16QAM	21.30	28.85
5MHz	50% RB mid	1712.5	16QAM	21.30	28.75
5MHz	50%,high	1712.5	16QAM	21.21	28.85
5MHz	100% RB	1712.5	16QAM	21.24	28.27
5MHz	1 RB low	1745	QPSK	22.88	27.69
5MHz	1 RB mid	1745	QPSK	22.85	27.63
5MHz	1 RB high	1745	QPSK	22.69	27.55
5MHz	50%,low	1745	QPSK	21.62	28.39
5MHz	50% RB mid	1745	QPSK	21.70	28.34
5MHz	50%,high	1745	QPSK	21.59	28.35
5MHz	100% RB	1745	QPSK	21.64	27.67
5MHz	1 RB low	1745	16QAM	22.09	27.60
5MHz	1 RB mid	1745	16QAM	22.07	27.45
5MHz	1 RB high	1745	16QAM	21.90	27.49
5MHz	50%,low	1745	16QAM	20.82	27.39
5MHz	50% RB mid	1745	16QAM	20.90	27.58
5MHz	50%,high	1745	16QAM	20.83	27.39
5MHz	100% RB	1745	16QAM	20.68	27.57
5MHz	1 RB low	1777.5	QPSK	22.41	27.15
5MHz	1 RB mid	1777.5	QPSK	22.43	27.17
5MHz	1 RB high	1777.5	QPSK	22.14	26.97
5MHz	50%,low	1777.5	QPSK	21.32	27.22
5MHz	50% RB mid	1777.5	QPSK	21.43	27.32
5MHz	50%,high	1777.5	QPSK	21.31	27.22
5MHz	100% RB	1777.5	QPSK	21.30	27.48
5MHz	1 RB low	1777.5	16QAM	21.40	27.06
5MHz	1 RB mid	1777.5	16QAM	21.53	27.05
5MHz	1 RB high	1777.5	16QAM	21.27	26.94
5MHz	50%,low	1777.5	16QAM	20.44	27.24
5MHz	50% RB mid	1777.5	16QAM	20.57	27.42
5MHz	50%,high	1777.5	16QAM	20.45	27.14

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5MHz	100% RB	1777.5	16QAM	20.40	27.62
10MHz	1 RB low	1715	QPSK	23.64	28.71
10MHz	1 RB mid	1715	QPSK	23.25	28.51
10MHz	1 RB high	1715	QPSK	23.04	28.45
10MHz	50%,low	1715	QPSK	22.03	28.22
10MHz	50% RB mid	1715	QPSK	22.11	28.43
10MHz	50%,high	1715	QPSK	21.84	28.18
10MHz	100% RB	1715	QPSK	21.95	28.23
10MHz	1 RB low	1745	QPSK	22.81	28.16
10MHz	1 RB mid	1745	QPSK	22.68	28.13
10MHz	1 RB high	1745	QPSK	22.33	27.95
10MHz	50%,low	1745	QPSK	21.55	27.80
10MHz	50% RB mid	1745	QPSK	21.64	27.91
10MHz	50%,high	1745	QPSK	21.35	27.64
10MHz	100% RB	1745	QPSK	21.41	28.02
10MHz	1 RB low	1775	QPSK	22.35	27.59
10MHz	1 RB mid	1775	QPSK	22.27	27.34
10MHz	1 RB high	1775	QPSK	22.09	27.20
10MHz	50%,low	1775	QPSK	21.11	27.57
10MHz	50% RB mid	1775	QPSK	21.30	27.58
10MHz	50%,high	1775	QPSK	21.14	27.55
10MHz	100% RB	1775	QPSK	21.15	27.84
15MHz	1 RB low	1717.5	QPSK	23.51	28.67
15MHz	1 RB mid	1717.5	QPSK	23.15	28.49
15MHz	1 RB high	1717.5	QPSK	22.96	28.30
15MHz	50%,low	1717.5	QPSK	22.03	28.96
15MHz	50% RB mid	1717.5	QPSK	22.02	29.03
15MHz	50%,high	1717.5	QPSK	21.75	28.73
15MHz	100% RB	1717.5	QPSK	21.91	28.59
15MHz	1 RB low	1745	QPSK	22.80	28.15
15MHz	1 RB mid	1745	QPSK	22.74	28.11
15MHz	1 RB high	1745	QPSK	22.43	28.06
15MHz	50%,low	1745	QPSK	21.72	28.00
15MHz	50% RB mid	1745	QPSK	21.71	28.01
15MHz	50%,high	1745	QPSK	21.49	27.92
15MHz	100% RB	1745	QPSK	21.59	28.22
15MHz	1 RB low	1772.5	QPSK	22.29	27.65
15MHz	1 RB mid	1772.5	QPSK	22.33	27.38

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15MHz	1 RB high	1772.5	QPSK	22.12	27.25
15MHz	50%,low	1772.5	QPSK	21.30	27.91
15MHz	50% RB mid	1772.5	QPSK	21.45	27.91
15MHz	50%,high	1772.5	QPSK	21.31	27.74
15MHz	100% RB	1772.5	QPSK	21.34	27.96
20MHz	1 RB low	1720	QPSK	23.34	29.36
20MHz	1 RB mid	1720	QPSK	22.99	29.28
20MHz	1 RB high	1720	QPSK	22.73	28.78
20MHz	50%,low	1720	QPSK	21.91	28.68
20MHz	50% RB mid	1720	QPSK	21.86	28.66
20MHz	50%,high	1720	QPSK	21.71	28.51
20MHz	100% RB	1720	QPSK	21.74	28.37
20MHz	1 RB low	1745	QPSK	22.84	28.12
20MHz	1 RB mid	1745	QPSK	22.84	28.17
20MHz	1 RB high	1745	QPSK	22.16	27.79
20MHz	50%,low	1745	QPSK	21.68	28.10
20MHz	50% RB mid	1745	QPSK	21.68	28.14
20MHz	50%,high	1745	QPSK	21.33	27.89
20MHz	100% RB	1745	QPSK	21.51	28.20
20MHz	1 RB low	1770	QPSK	22.19	27.62
20MHz	1 RB mid	1770	QPSK	22.59	27.68
20MHz	1 RB high	1770	QPSK	22.12	27.17
20MHz	50%,low	1770	QPSK	21.14	27.65
20MHz	50% RB mid	1770	QPSK	21.37	27.60
20MHz	50%,high	1770	QPSK	21.18	27.39
20MHz	100% RB	1770	QPSK	21.21	27.63

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6.3. ERP and EIRP

Limit Level Construction:

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

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

According to 22.913(a), The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 Watts."

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..

According to Part 27.50(h)(2) "Mobile stations are limited to 2.0 watts 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	Antenna Gain (dBi)
LTE Band 2	2
LTE Band 4	2
LTE Band 5	2
LTE Band 7	2
LTE Band 41	2
LTE Band 66	2

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6.3.1 LTE Band 2 result

LTE Band 2

Limits 33dBm(2w) Max EIRP :25.18dBm

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Avg Power (dBm)	EIRP(dBm) G _T =2.00dBi
1.4MHz	1 RB low	1850.7	QPSK	22.56	24.56
1.4MHz	1 RB mid	1850.7	QPSK	22.57	24.57
1.4MHz	1 RB high	1850.7	QPSK	22.66	24.66
1.4MHz	50%,low	1850.7	QPSK	22.77	24.77
1.4MHz	50% RB mid	1850.7	QPSK	22.7	24.70
1.4MHz	50%,high	1850.7	QPSK	22.86	24.86
1.4MHz	100% RB	1850.7	QPSK	21.66	23.66
1.4MHz	1 RB low	1850.7	16QAM	21.86	23.86
1.4MHz	1 RB mid	1850.7	16QAM	21.98	23.98
1.4MHz	1 RB high	1850.7	16QAM	21.84	23.84
1.4MHz	50%,low	1850.7	16QAM	22.91	24.91
1.4MHz	50% RB mid	1850.7	16QAM	21.78	23.78
1.4MHz	50%,high	1850.7	16QAM	22.86	24.86
1.4MHz	100% RB	1850.7	16QAM	20.68	22.68
1.4MHz	1 RB low	1880	QPSK	22.94	24.94
1.4MHz	1 RB mid	1880	QPSK	22.92	24.92
1.4MHz	1 RB high	1880	QPSK	22.9	24.90
1.4MHz	50%,low	1880	QPSK	22.98	24.98
1.4MHz	50% RB mid	1880	QPSK	22.91	24.91
1.4MHz	50%,high	1880	QPSK	22.96	24.96
1.4MHz	100% RB	1880	QPSK	21.92	23.92
1.4MHz	1 RB low	1880	16QAM	22.1	24.10
1.4MHz	1 RB mid	1880	16QAM	22.13	24.13
1.4MHz	1 RB high	1880	16QAM	22.03	24.03
1.4MHz	50%,low	1880	16QAM	22.93	24.93
1.4MHz	50% RB mid	1880	16QAM	21.95	23.95
1.4MHz	50%,high	1880	16QAM	22.89	24.89
1.4MHz	100% RB	1880	16QAM	20.87	22.87
1.4MHz	1 RB low	1909.3	QPSK	22.84	24.84
1.4MHz	1 RB mid	1909.3	QPSK	22.74	24.74
1.4MHz	1 RB high	1909.3	QPSK	22.72	24.72
1.4MHz	50%,low	1909.3	QPSK	22.69	24.69
1.4MHz	50% RB mid	1909.3	QPSK	22.74	24.74

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1.4MHz	50%,high	1909.3	QPSK	22.72	24.72
1.4MHz	100% RB	1909.3	QPSK	21.74	23.74
1.4MHz	1 RB low	1909.3	16QAM	21.77	23.77
1.4MHz	1 RB mid	1909.3	16QAM	21.76	23.76
1.4MHz	1 RB high	1909.3	16QAM	21.62	23.62
1.4MHz	50%,low	1909.3	16QAM	22.7	24.70
1.4MHz	50% RB mid	1909.3	16QAM	21.87	23.87
1.4MHz	50%,high	1909.3	16QAM	22.3	24.30
1.4MHz	100% RB	1909.3	16QAM	20.83	22.83
3MHz	1 RB low	1851.5	QPSK	22.73	24.73
3MHz	1 RB mid	1851.5	QPSK	22.9	24.90
3MHz	1 RB high	1851.5	QPSK	22.84	24.84
3MHz	50%,low	1851.5	QPSK	22.93	24.93
3MHz	50% RB mid	1851.5	QPSK	21.76	23.76
3MHz	50%,high	1851.5	QPSK	22.91	24.91
3MHz	100% RB	1851.5	QPSK	21.74	23.74
3MHz	1 RB low	1851.5	16QAM	21.64	23.64
3MHz	1 RB mid	1851.5	16QAM	21.76	23.76
3MHz	1 RB high	1851.5	16QAM	21.73	23.73
3MHz	50%,low	1851.5	16QAM	22.91	24.91
3MHz	50% RB mid	1851.5	16QAM	20.73	22.73
3MHz	50%,high	1851.5	16QAM	22.91	24.91
3MHz	100% RB	1851.5	16QAM	20.67	22.67
3MHz	1 RB low	1880	QPSK	22.82	24.82
3MHz	1 RB mid	1880	QPSK	22.92	24.92
3MHz	1 RB high	1880	QPSK	22.82	24.82
3MHz	50%,low	1880	QPSK	22.82	24.82
3MHz	50% RB mid	1880	QPSK	21.82	23.82
3MHz	50%,high	1880	QPSK	22.76	24.76
3MHz	100% RB	1880	QPSK	21.76	23.76
3MHz	1 RB low	1880	16QAM	21.92	23.92
3MHz	1 RB mid	1880	16QAM	21.95	23.95
3MHz	1 RB high	1880	16QAM	21.85	23.85
3MHz	50%,low	1880	16QAM	22.82	24.82
3MHz	50% RB mid	1880	16QAM	20.87	22.87
3MHz	50%,high	1880	16QAM	22.82	24.82
3MHz	100% RB	1880	16QAM	20.82	22.82
3MHz	1 RB low	1908.5	QPSK	22.84	24.84

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3MHz	1 RB mid	1908.5	QPSK	22.9	24.90
3MHz	1 RB high	1908.5	QPSK	22.64	24.64
3MHz	50%,low	1908.5	QPSK	22.72	24.72
3MHz	50% RB mid	1908.5	QPSK	21.91	23.91
3MHz	50%,high	1908.5	QPSK	22.71	24.71
3MHz	100% RB	1908.5	QPSK	21.89	23.89
3MHz	1 RB low	1908.5	16QAM	22.01	24.01
3MHz	1 RB mid	1908.5	16QAM	22.08	24.08
3MHz	1 RB high	1908.5	16QAM	21.85	23.85
3MHz	50%,low	1908.5	16QAM	22.74	24.74
3MHz	50% RB mid	1908.5	16QAM	20.95	22.95
3MHz	50%,high	1908.5	16QAM	22.72	24.72
3MHz	100% RB	1908.5	16QAM	20.84	22.84
5MHz	1 RB low	1852.5	QPSK	23.02	25.02
5MHz	1 RB mid	1852.5	QPSK	23.17	25.17
5MHz	1 RB high	1852.5	QPSK	23.18	25.18
5MHz	50%,low	1852.5	QPSK	21.82	23.82
5MHz	50% RB mid	1852.5	QPSK	21.92	23.92
5MHz	50%,high	1852.5	QPSK	21.97	23.97
5MHz	100% RB	1852.5	QPSK	21.85	23.85
5MHz	1 RB low	1852.5	16QAM	21.98	23.98
5MHz	1 RB mid	1852.5	16QAM	22.16	24.16
5MHz	1 RB high	1852.5	16QAM	22.2	24.20
5MHz	50%,low	1852.5	16QAM	20.73	22.73
5MHz	50% RB mid	1852.5	16QAM	20.93	22.93
5MHz	50%,high	1852.5	16QAM	20.99	22.99
5MHz	100% RB	1852.5	16QAM	20.92	22.92
5MHz	1 RB low	1880	QPSK	23.05	25.05
5MHz	1 RB mid	1880	QPSK	23.04	25.04
5MHz	1 RB high	1880	QPSK	23.02	25.02
5MHz	50%,low	1880	QPSK	21.88	23.88
5MHz	50% RB mid	1880	QPSK	21.93	23.93
5MHz	50%,high	1880	QPSK	21.87	23.87
5MHz	100% RB	1880	QPSK	21.87	23.87
5MHz	1 RB low	1880	16QAM	22.24	24.24
5MHz	1 RB mid	1880	16QAM	22.25	24.25
5MHz	1 RB high	1880	16QAM	22.21	24.21
5MHz	50%,low	1880	16QAM	21	23.00

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5MHz	50% RB mid	1880	16QAM	21.15	23.15
5MHz	50%,high	1880	16QAM	21.08	23.08
5MHz	100% RB	1880	16QAM	20.95	22.95
5MHz	1 RB low	1907.5	QPSK	23.13	25.13
5MHz	1 RB mid	1907.5	QPSK	23.04	25.04
5MHz	1 RB high	1907.5	QPSK	22.92	24.92
5MHz	50%,low	1907.5	QPSK	21.82	23.82
5MHz	50% RB mid	1907.5	QPSK	21.9	23.90
5MHz	50%,high	1907.5	QPSK	21.89	23.89
5MHz	100% RB	1907.5	QPSK	21.83	23.83
5MHz	1 RB low	1907.5	16QAM	22.13	24.13
5MHz	1 RB mid	1907.5	16QAM	22.04	24.04
5MHz	1 RB high	1907.5	16QAM	21.97	23.97
5MHz	50%,low	1907.5	16QAM	20.91	22.91
5MHz	50% RB mid	1907.5	16QAM	20.99	22.99
5MHz	50%,high	1907.5	16QAM	20.89	22.89
5MHz	100% RB	1907.5	16QAM	20.9	22.90
10MHz	1 RB low	1855	QPSK	23.07	25.07
10MHz	1 RB mid	1855	QPSK	23.04	25.04
10MHz	1 RB high	1855	QPSK	23.09	25.09
10MHz	50%,low	1855	QPSK	21.74	23.74
10MHz	50% RB mid	1855	QPSK	21.91	23.91
10MHz	50%,high	1855	QPSK	21.71	23.71
10MHz	100% RB	1855	QPSK	21.75	23.75
10MHz	1 RB low	1880	QPSK	22.92	24.92
10MHz	1 RB mid	1880	QPSK	22.89	24.89
10MHz	1 RB high	1880	QPSK	22.86	24.86
10MHz	50%,low	1880	QPSK	21.74	23.74
10MHz	50% RB mid	1880	QPSK	21.83	23.83
10MHz	50%,high	1880	QPSK	21.68	23.68
10MHz	100% RB	1880	QPSK	21.7	23.70
10MHz	1 RB low	1905	QPSK	23.01	25.01
10MHz	1 RB mid	1905	QPSK	22.94	24.94
10MHz	1 RB high	1905	QPSK	22.88	24.88
10MHz	50%,low	1905	QPSK	21.74	23.74
10MHz	50% RB mid	1905	QPSK	21.84	23.84
10MHz	50%,high	1905	QPSK	21.67	23.67
10MHz	100% RB	1905	QPSK	21.75	23.75

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15MHz	1 RB low	1857.5	QPSK	23.02	25.02
15MHz	1 RB mid	1857.5	QPSK	23.08	25.08
15MHz	1 RB high	1857.5	QPSK	23.04	25.04
15MHz	50%,low	1857.5	QPSK	21.91	23.91
15MHz	50% RB mid	1857.5	QPSK	21.98	23.98
15MHz	50%,high	1857.5	QPSK	21.89	23.89
15MHz	100% RB	1857.5	QPSK	21.85	23.85
15MHz	1 RB low	1880	QPSK	22.87	24.87
15MHz	1 RB mid	1880	QPSK	22.91	24.91
15MHz	1 RB high	1880	QPSK	22.74	24.74
15MHz	50%,low	1880	QPSK	21.89	23.89
15MHz	50% RB mid	1880	QPSK	21.97	23.97
15MHz	50%,high	1880	QPSK	21.84	23.84
15MHz	100% RB	1880	QPSK	21.87	23.87
15MHz	1 RB low	1902.5	QPSK	22.98	24.98
15MHz	1 RB mid	1902.5	QPSK	22.96	24.96
15MHz	1 RB high	1902.5	QPSK	22.8	24.80
15MHz	50%,low	1902.5	QPSK	21.8	23.80
15MHz	50% RB mid	1902.5	QPSK	21.85	23.85
15MHz	50%,high	1902.5	QPSK	21.81	23.81
15MHz	100% RB	1902.5	QPSK	21.79	23.79
20MHz	1 RB low	1860	QPSK	22.91	24.91
20MHz	1 RB mid	1860	QPSK	23.05	25.05
20MHz	1 RB high	1860	QPSK	22.75	24.75
20MHz	50%,low	1860	QPSK	21.95	23.95
20MHz	50% RB mid	1860	QPSK	21.94	23.94
20MHz	50%,high	1860	QPSK	21.79	23.79
20MHz	100% RB	1860	QPSK	21.75	23.75
20MHz	1 RB low	1880	QPSK	22.89	24.89
20MHz	1 RB mid	1880	QPSK	23.06	25.06
20MHz	1 RB high	1880	QPSK	22.81	24.81
20MHz	50%,low	1880	QPSK	21.81	23.81
20MHz	50% RB mid	1880	QPSK	21.95	23.95
20MHz	50%,high	1880	QPSK	21.73	23.73
20MHz	100% RB	1880	QPSK	21.79	23.79
20MHz	1 RB low	1900	QPSK	22.95	24.95
20MHz	1 RB mid	1900	QPSK	22.94	24.94
20MHz	1 RB high	1900	QPSK	22.85	24.85

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20MHz	50%,low	1900	QPSK	21.77	23.77
20MHz	50% RB mid	1900	QPSK	21.79	23.79
20MHz	50%,high	1900	QPSK	21.75	23.75
20MHz	100% RB	1900	QPSK	21.57	23.57

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6.3.2 LTE Band 4 result

LTE Band 4

Limits 30dBm(1w) Max EIRP:25.43dBm

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Avg Power (dBm)	EIRP(dBm) G _T = 2.00dBi
1.4MHz	1 RB low	1710.7	QPSK	23.27	25.27
1.4MHz	1 RB mid	1710.7	QPSK	23.26	25.26
1.4MHz	1 RB high	1710.7	QPSK	23.27	25.27
1.4MHz	50%,low	1710.7	QPSK	23.28	25.28
1.4MHz	50% RB mid	1710.7	QPSK	23.16	25.16
1.4MHz	50%,high	1710.7	QPSK	23.24	25.24
1.4MHz	100% RB	1710.7	QPSK	22.21	24.21
1.4MHz	1 RB low	1710.7	16QAM	22.32	24.32
1.4MHz	1 RB mid	1710.7	16QAM	22.44	24.44
1.4MHz	1 RB high	1710.7	16QAM	22.41	24.41
1.4MHz	50%,low	1710.7	16QAM	23.33	25.33
1.4MHz	50% RB mid	1710.7	16QAM	22.23	24.23
1.4MHz	50%,high	1710.7	16QAM	23.31	25.31
1.4MHz	100% RB	1710.7	16QAM	21.09	23.09
1.4MHz	1 RB low	1732.5	QPSK	22.73	24.73
1.4MHz	1 RB mid	1732.5	QPSK	22.76	24.76
1.4MHz	1 RB high	1732.5	QPSK	22.79	24.79
1.4MHz	50%,low	1732.5	QPSK	22.83	24.83
1.4MHz	50% RB mid	1732.5	QPSK	22.75	24.75
1.4MHz	50%,high	1732.5	QPSK	22.83	24.83
1.4MHz	100% RB	1732.5	QPSK	21.78	23.78
1.4MHz	1 RB low	1732.5	16QAM	21.92	23.92
1.4MHz	1 RB mid	1732.5	16QAM	22.03	24.03
1.4MHz	1 RB high	1732.5	16QAM	21.99	23.99
1.4MHz	50%,low	1732.5	16QAM	22.84	24.84
1.4MHz	50% RB mid	1732.5	16QAM	21.94	23.94
1.4MHz	50%,high	1732.5	16QAM	22.84	24.84
1.4MHz	100% RB	1732.5	16QAM	20.88	22.88
1.4MHz	1 RB low	1754.3	QPSK	22.64	24.64
1.4MHz	1 RB mid	1754.3	QPSK	22.65	24.65
1.4MHz	1 RB high	1754.3	QPSK	22.67	24.67
1.4MHz	50%,low	1754.3	QPSK	22.31	24.31

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1.4MHz	50% RB mid	1754.3	QPSK	22.59	24.59
1.4MHz	50%,high	1754.3	QPSK	22.6	24.60
1.4MHz	100% RB	1754.3	QPSK	21.61	23.61
1.4MHz	1 RB low	1754.3	16QAM	21.57	23.57
1.4MHz	1 RB mid	1754.3	16QAM	21.62	23.62
1.4MHz	1 RB high	1754.3	16QAM	21.57	23.57
1.4MHz	50%,low	1754.3	16QAM	22.6	24.60
1.4MHz	50% RB mid	1754.3	16QAM	21.7	23.70
1.4MHz	50%,high	1754.3	16QAM	22.6	24.60
1.4MHz	100% RB	1754.3	16QAM	20.7	22.70
3MHz	1 RB low	1711.5	QPSK	23.26	25.26
3MHz	1 RB mid	1711.5	QPSK	23.23	25.23
3MHz	1 RB high	1711.5	QPSK	23.11	25.11
3MHz	50%,low	1711.5	QPSK	23.23	25.23
3MHz	50% RB mid	1711.5	QPSK	22.14	24.14
3MHz	50%,high	1711.5	QPSK	23.22	25.22
3MHz	100% RB	1711.5	QPSK	22.11	24.11
3MHz	1 RB low	1711.5	16QAM	22.1	24.10
3MHz	1 RB mid	1711.5	16QAM	22.15	24.15
3MHz	1 RB high	1711.5	16QAM	22.02	24.02
3MHz	50%,low	1711.5	16QAM	23.22	25.22
3MHz	50% RB mid	1711.5	16QAM	21.12	23.12
3MHz	50%,high	1711.5	16QAM	23.22	25.22
3MHz	100% RB	1711.5	16QAM	21.03	23.03
3MHz	1 RB low	1732.5	QPSK	22.73	24.73
3MHz	1 RB mid	1732.5	QPSK	22.82	24.82
3MHz	1 RB high	1732.5	QPSK	22.79	24.79
3MHz	50%,low	1732.5	QPSK	22.85	24.85
3MHz	50% RB mid	1732.5	QPSK	21.83	23.83
3MHz	50%,high	1732.5	QPSK	22.86	24.86
3MHz	100% RB	1732.5	QPSK	21.79	23.79
3MHz	1 RB low	1732.5	16QAM	21.88	23.88
3MHz	1 RB mid	1732.5	16QAM	22.02	24.02
3MHz	1 RB high	1732.5	16QAM	21.95	23.95
3MHz	50%,low	1732.5	16QAM	22.86	24.86
3MHz	50% RB mid	1732.5	16QAM	20.84	22.84
3MHz	50%,high	1732.5	16QAM	22.86	24.86
3MHz	100% RB	1732.5	16QAM	20.76	22.76

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3MHz	1 RB low	1753.5	QPSK	22.56	24.56
3MHz	1 RB mid	1753.5	QPSK	22.64	24.64
3MHz	1 RB high	1753.5	QPSK	22.5	24.50
3MHz	50%,low	1753.5	QPSK	22.63	24.63
3MHz	50% RB mid	1753.5	QPSK	21.61	23.61
3MHz	50%,high	1753.5	QPSK	22.63	24.63
3MHz	100% RB	1753.5	QPSK	21.57	23.57
3MHz	1 RB low	1753.5	16QAM	21.79	23.79
3MHz	1 RB mid	1753.5	16QAM	21.79	23.79
3MHz	1 RB high	1753.5	16QAM	21.7	23.70
3MHz	50%,low	1753.5	16QAM	21.83	23.83
3MHz	50% RB mid	1753.5	16QAM	20.77	22.77
3MHz	50%,high	1753.5	16QAM	22.67	24.67
3MHz	100% RB	1753.5	16QAM	19.73	21.73
5MHz	1 RB low	1712.5	QPSK	23.43	25.43
5MHz	1 RB mid	1712.5	QPSK	23.29	25.29
5MHz	1 RB high	1712.5	QPSK	23.13	25.13
5MHz	50%,low	1712.5	QPSK	22.1	24.10
5MHz	50% RB mid	1712.5	QPSK	22.12	24.12
5MHz	50%,high	1712.5	QPSK	21.99	23.99
5MHz	100% RB	1712.5	QPSK	22.03	24.03
5MHz	1 RB low	1712.5	16QAM	22.35	24.35
5MHz	1 RB mid	1712.5	16QAM	22.34	24.34
5MHz	1 RB high	1712.5	16QAM	22.17	24.17
5MHz	50%,low	1712.5	16QAM	21.14	23.14
5MHz	50% RB mid	1712.5	16QAM	21.17	23.17
5MHz	50%,high	1712.5	16QAM	21.09	23.09
5MHz	100% RB	1712.5	16QAM	21.13	23.13
5MHz	1 RB low	1732.5	QPSK	22.87	24.87
5MHz	1 RB mid	1732.5	QPSK	23	25.00
5MHz	1 RB high	1732.5	QPSK	22.98	24.98
5MHz	50%,low	1732.5	QPSK	21.7	23.70
5MHz	50% RB mid	1732.5	QPSK	21.82	23.82
5MHz	50%,high	1732.5	QPSK	21.83	23.83
5MHz	100% RB	1732.5	QPSK	21.77	23.77
5MHz	1 RB low	1732.5	16QAM	22.11	24.11
5MHz	1 RB mid	1732.5	16QAM	22.21	24.21
5MHz	1 RB high	1732.5	16QAM	22.23	24.23

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5MHz	50%,low	1732.5	16QAM	20.92	22.92
5MHz	50% RB mid	1732.5	16QAM	21.01	23.01
5MHz	50%,high	1732.5	16QAM	21	23.00
5MHz	100% RB	1732.5	16QAM	20.8	22.80
5MHz	1 RB low	1752.5	QPSK	22.78	24.78
5MHz	1 RB mid	1752.5	QPSK	22.76	24.76
5MHz	1 RB high	1752.5	QPSK	22.67	24.67
5MHz	50%,low	1752.5	QPSK	21.66	23.66
5MHz	50% RB mid	1752.5	QPSK	21.68	23.68
5MHz	50%,high	1752.5	QPSK	21.63	23.63
5MHz	100% RB	1752.5	QPSK	21.59	23.59
5MHz	1 RB low	1752.5	16QAM	21.8	23.80
5MHz	1 RB mid	1752.5	16QAM	21.82	23.82
5MHz	1 RB high	1752.5	16QAM	21.76	23.76
5MHz	50%,low	1752.5	16QAM	20.73	22.73
5MHz	50% RB mid	1752.5	16QAM	20.86	22.86
5MHz	50%,high	1752.5	16QAM	20.71	22.71
5MHz	100% RB	1752.5	16QAM	20.73	22.73
10MHz	1 RB low	1715	QPSK	23.17	25.17
10MHz	1 RB mid	1715	QPSK	22.99	24.99
10MHz	1 RB high	1715	QPSK	22.78	24.78
10MHz	50%,low	1715	QPSK	21.91	23.91
10MHz	50% RB mid	1715	QPSK	21.85	23.85
10MHz	50%,high	1715	QPSK	21.63	23.63
10MHz	100% RB	1715	QPSK	21.69	23.69
10MHz	1 RB low	1732.5	QPSK	22.66	24.66
10MHz	1 RB mid	1732.5	QPSK	22.74	24.74
10MHz	1 RB high	1732.5	QPSK	22.77	24.77
10MHz	50%,low	1732.5	QPSK	21.47	23.47
10MHz	50% RB mid	1732.5	QPSK	21.68	23.68
10MHz	50%,high	1732.5	QPSK	21.63	23.63
10MHz	100% RB	1732.5	QPSK	21.55	23.55
10MHz	1 RB low	1750	QPSK	22.77	24.77
10MHz	1 RB mid	1750	QPSK	22.53	24.53
10MHz	1 RB high	1750	QPSK	22.51	24.51
10MHz	50%,low	1750	QPSK	21.42	23.42
10MHz	50% RB mid	1750	QPSK	21.52	23.52
10MHz	50%,high	1750	QPSK	21.38	23.38

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10MHz	100% RB	1750	QPSK	21.4	23.40
15MHz	1 RB low	1717.5	QPSK	23.17	25.17
15MHz	1 RB mid	1717.5	QPSK	22.92	24.92
15MHz	1 RB high	1717.5	QPSK	22.83	24.83
15MHz	50%,low	1717.5	QPSK	21.87	23.87
15MHz	50% RB mid	1717.5	QPSK	21.75	23.75
15MHz	50%,high	1717.5	QPSK	21.69	23.69
15MHz	100% RB	1717.5	QPSK	21.75	23.75
15MHz	1 RB low	1732.5	QPSK	22.62	24.62
15MHz	1 RB mid	1732.5	QPSK	22.84	24.84
15MHz	1 RB high	1732.5	QPSK	22.82	24.82
15MHz	50%,low	1732.5	QPSK	21.67	23.67
15MHz	50% RB mid	1732.5	QPSK	21.78	23.78
15MHz	50%,high	1732.5	QPSK	21.8	23.80
15MHz	100% RB	1732.5	QPSK	21.69	23.69
15MHz	1 RB low	1747.5	QPSK	22.8	24.80
15MHz	1 RB mid	1747.5	QPSK	22.68	24.68
15MHz	1 RB high	1747.5	QPSK	22.54	24.54
15MHz	50%,low	1747.5	QPSK	21.75	23.75
15MHz	50% RB mid	1747.5	QPSK	21.72	23.72
15MHz	50%,high	1747.5	QPSK	21.62	23.62
15MHz	100% RB	1747.5	QPSK	21.64	23.64
20MHz	1 RB low	1720	QPSK	23.15	25.15
20MHz	1 RB mid	1720	QPSK	22.85	24.85
20MHz	1 RB high	1720	QPSK	22.76	24.76
20MHz	50%,low	1720	QPSK	21.71	23.71
20MHz	50% RB mid	1720	QPSK	21.62	23.62
20MHz	50%,high	1720	QPSK	21.51	23.51
20MHz	100% RB	1720	QPSK	21.51	23.51
20MHz	1 RB low	1732.5	QPSK	22.46	24.46
20MHz	1 RB mid	1732.5	QPSK	22.82	24.82
20MHz	1 RB high	1732.5	QPSK	22.69	24.69
20MHz	50%,low	1732.5	QPSK	21.54	23.54
20MHz	50% RB mid	1732.5	QPSK	21.78	23.78
20MHz	50%,high	1732.5	QPSK	21.74	23.74
20MHz	100% RB	1732.5	QPSK	21.65	23.65
20MHz	1 RB low	1745	QPSK	22.76	24.76
20MHz	1 RB mid	1745	QPSK	22.86	24.86

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20MHz	1 RB high	1745	QPSK	22.46	24.46
20MHz	50%,low	1745	QPSK	21.64	23.64
20MHz	50% RB mid	1745	QPSK	21.75	23.75
20MHz	50%,high	1745	QPSK	21.56	23.56
20MHz	100% RB	1745	QPSK	21.6	23.60

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6.3.3 LTE Band 5 result

LTE band 5

Limits 38.45dBm(7w) Max ERP:22.52dBm

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Avg Power (dBm)	ERP(dBm) G _T = -0.15dBd
1.4MHz	1 RB low	824.7	QPSK	22.16	22.01
1.4MHz	1 RB mid	824.7	QPSK	22.11	21.96
1.4MHz	1 RB high	824.7	QPSK	22.15	22.00
1.4MHz	50%,low	824.7	QPSK	22.19	22.04
1.4MHz	50% RB mid	824.7	QPSK	22.14	21.99
1.4MHz	50%,high	824.7	QPSK	22.17	22.02
1.4MHz	100% RB	824.7	QPSK	21.16	21.01
1.4MHz	1 RB low	824.7	16QAM	21.27	21.12
1.4MHz	1 RB mid	824.7	16QAM	21.35	21.20
1.4MHz	1 RB high	824.7	16QAM	21.27	21.12
1.4MHz	50%,low	824.7	16QAM	21.34	21.19
1.4MHz	50% RB mid	824.7	16QAM	21.28	21.13
1.4MHz	50%,high	824.7	16QAM	22.17	22.02
1.4MHz	100% RB	824.7	16QAM	20.22	20.07
1.4MHz	1 RB low	836.5	QPSK	22.32	22.17
1.4MHz	1 RB mid	836.5	QPSK	22.32	22.17
1.4MHz	1 RB high	836.5	QPSK	22.33	22.18
1.4MHz	50%,low	836.5	QPSK	22.24	22.09
1.4MHz	50% RB mid	836.5	QPSK	22.27	22.12
1.4MHz	50%,high	836.5	QPSK	22.23	22.08
1.4MHz	100% RB	836.5	QPSK	21.27	21.12
1.4MHz	1 RB low	836.5	16QAM	21.22	21.07
1.4MHz	1 RB mid	836.5	16QAM	21.26	21.11
1.4MHz	1 RB high	836.5	16QAM	21.21	21.06
1.4MHz	50%,low	836.5	16QAM	21.9	21.75
1.4MHz	50% RB mid	836.5	16QAM	21.35	21.20
1.4MHz	50%,high	836.5	16QAM	22.24	22.09
1.4MHz	100% RB	836.5	16QAM	20.37	20.22
1.4MHz	1 RB low	848.3	QPSK	22.59	22.44
1.4MHz	1 RB mid	848.3	QPSK	22.47	22.32
1.4MHz	1 RB high	848.3	QPSK	22.44	22.29
1.4MHz	50%,low	848.3	QPSK	22.49	22.34

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1.4MHz	50% RB mid	848.3	QPSK	22.52	22.37
1.4MHz	50%,high	848.3	QPSK	22.47	22.32
1.4MHz	100% RB	848.3	QPSK	21.52	21.37
1.4MHz	1 RB low	848.3	16QAM	21.67	21.52
1.4MHz	1 RB mid	848.3	16QAM	21.68	21.53
1.4MHz	1 RB high	848.3	16QAM	21.57	21.42
1.4MHz	50%,low	848.3	16QAM	21.47	21.32
1.4MHz	50% RB mid	848.3	16QAM	21.56	21.41
1.4MHz	50%,high	848.3	16QAM	22.48	22.33
1.4MHz	100% RB	848.3	16QAM	20.44	20.29
3MHz	1 RB low	825.5	QPSK	22.1	21.95
3MHz	1 RB mid	825.5	QPSK	22.22	22.07
3MHz	1 RB high	825.5	QPSK	22.16	22.01
3MHz	50%,low	825.5	QPSK	22.09	21.94
3MHz	50% RB mid	825.5	QPSK	21.14	20.99
3MHz	50%,high	825.5	QPSK	22.09	21.94
3MHz	100% RB	825.5	QPSK	21.12	20.97
3MHz	1 RB low	825.5	16QAM	20.97	20.82
3MHz	1 RB mid	825.5	16QAM	21.13	20.98
3MHz	1 RB high	825.5	16QAM	21.06	20.91
3MHz	50%,low	825.5	16QAM	22.09	21.94
3MHz	50% RB mid	825.5	16QAM	20.22	20.07
3MHz	50%,high	825.5	16QAM	22.09	21.94
3MHz	100% RB	825.5	16QAM	20.14	19.99
3MHz	1 RB low	836.5	QPSK	22.3	22.15
3MHz	1 RB mid	836.5	QPSK	22.29	22.14
3MHz	1 RB high	836.5	QPSK	22.16	22.01
3MHz	50%,low	836.5	QPSK	22.22	22.07
3MHz	50% RB mid	836.5	QPSK	21.28	21.13
3MHz	50%,high	836.5	QPSK	22.23	22.08
3MHz	100% RB	836.5	QPSK	21.3	21.15
3MHz	1 RB low	836.5	16QAM	21.41	21.26
3MHz	1 RB mid	836.5	16QAM	21.39	21.24
3MHz	1 RB high	836.5	16QAM	21.26	21.11
3MHz	50%,low	836.5	16QAM	22.23	22.08
3MHz	50% RB mid	836.5	16QAM	20.3	20.15
3MHz	50%,high	836.5	16QAM	22.24	22.09
3MHz	100% RB	836.5	16QAM	20.27	20.12

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3MHz	1 RB low	847.5	QPSK	22.56	22.41
3MHz	1 RB mid	847.5	QPSK	22.58	22.43
3MHz	1 RB high	847.5	QPSK	22.39	22.24
3MHz	50%,low	847.5	QPSK	22.39	22.24
3MHz	50% RB mid	847.5	QPSK	21.61	21.46
3MHz	50%,high	847.5	QPSK	22.38	22.23
3MHz	100% RB	847.5	QPSK	21.56	21.41
3MHz	1 RB low	847.5	16QAM	21.75	21.60
3MHz	1 RB mid	847.5	16QAM	21.73	21.58
3MHz	1 RB high	847.5	16QAM	21.55	21.40
3MHz	50%,low	847.5	16QAM	22.38	22.23
3MHz	50% RB mid	847.5	16QAM	20.69	20.54
3MHz	50%,high	847.5	16QAM	22.39	22.24
3MHz	100% RB	847.5	16QAM	20.56	20.41
5MHz	1 RB low	826.5	QPSK	22.2	22.05
5MHz	1 RB mid	826.5	QPSK	22.32	22.17
5MHz	1 RB high	826.5	QPSK	22.27	22.12
5MHz	50%,low	826.5	QPSK	21.15	21.00
5MHz	50% RB mid	826.5	QPSK	21.24	21.09
5MHz	50%,high	826.5	QPSK	21.17	21.02
5MHz	100% RB	826.5	QPSK	21.19	21.04
5MHz	1 RB low	826.5	16QAM	21.21	21.06
5MHz	1 RB mid	826.5	16QAM	21.33	21.18
5MHz	1 RB high	826.5	16QAM	21.33	21.18
5MHz	50%,low	826.5	16QAM	20.23	20.08
5MHz	50% RB mid	826.5	16QAM	20.33	20.18
5MHz	50%,high	826.5	16QAM	20.36	20.21
5MHz	100% RB	826.5	16QAM	20.24	20.09
5MHz	1 RB low	836.5	QPSK	22.56	22.41
5MHz	1 RB mid	836.5	QPSK	22.42	22.27
5MHz	1 RB high	836.5	QPSK	22.25	22.10
5MHz	50%,low	836.5	QPSK	21.27	21.12
5MHz	50% RB mid	836.5	QPSK	21.31	21.16
5MHz	50%,high	836.5	QPSK	21.21	21.06
5MHz	100% RB	836.5	QPSK	21.31	21.16
5MHz	1 RB low	836.5	16QAM	21.48	21.33
5MHz	1 RB mid	836.5	16QAM	21.41	21.26
5MHz	1 RB high	836.5	16QAM	21.24	21.09

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5MHz	50%,low	836.5	16QAM	20.31	20.16
5MHz	50% RB mid	836.5	16QAM	20.38	20.23
5MHz	50%,high	836.5	16QAM	20.25	20.10
5MHz	100% RB	836.5	16QAM	20.39	20.24
5MHz	1 RB low	846.5	QPSK	22.62	22.47
5MHz	1 RB mid	846.5	QPSK	22.67	22.52
5MHz	1 RB high	846.5	QPSK	22.5	22.35
5MHz	50%,low	846.5	QPSK	21.58	21.43
5MHz	50% RB mid	846.5	QPSK	21.62	21.47
5MHz	50%,high	846.5	QPSK	21.56	21.41
5MHz	100% RB	846.5	QPSK	21.5	21.35
5MHz	1 RB low	846.5	16QAM	21.84	21.69
5MHz	1 RB mid	846.5	16QAM	21.9	21.75
5MHz	1 RB high	846.5	16QAM	21.68	21.53
5MHz	50%,low	846.5	16QAM	20.72	20.57
5MHz	50% RB mid	846.5	16QAM	20.77	20.62
5MHz	50%,high	846.5	16QAM	20.67	20.52
5MHz	100% RB	846.5	16QAM	20.53	20.38
10MHz	1 RB low	829	QPSK	22.12	21.97
10MHz	1 RB mid	829	QPSK	22.29	22.14
10MHz	1 RB high	829	QPSK	22.36	22.21
10MHz	50%,low	829	QPSK	21.09	20.94
10MHz	50% RB mid	829	QPSK	21.22	21.07
10MHz	50%,high	829	QPSK	21.2	21.05
10MHz	100% RB	829	QPSK	21.02	20.87
10MHz	1 RB low	836.5	QPSK	22.56	22.41
10MHz	1 RB mid	836.5	QPSK	22.37	22.22
10MHz	1 RB high	836.5	QPSK	22.24	22.09
10MHz	50%,low	836.5	QPSK	21.14	20.99
10MHz	50% RB mid	836.5	QPSK	21.27	21.12
10MHz	50%,high	836.5	QPSK	20.97	20.82
10MHz	100% RB	836.5	QPSK	21.22	21.07
10MHz	1 RB low	844	QPSK	22.15	22.00
10MHz	1 RB mid	844	QPSK	22.37	22.22
10MHz	1 RB high	844	QPSK	22.39	22.24
10MHz	50%,low	844	QPSK	21.19	21.04
10MHz	50% RB mid	844	QPSK	21.36	21.21
10MHz	50%,high	844	QPSK	21.41	21.26

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10MHz	100% RB	844	QPSK	21.08	20.93
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6.3.4 LTE Band 7 result

LTE Band 7

Limits 33dBm(2w) Max EIRP:25.16dBm

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Avg Power (dBm)	EIRP(dBm) G _T = 2.00dBi
5MHz	1 RB low	2502.5	QPSK	23.12	25.12
5MHz	1 RB mid	2502.5	QPSK	23.16	25.16
5MHz	1 RB high	2502.5	QPSK	23.07	25.07
5MHz	50%,low	2502.5	QPSK	21.84	23.84
5MHz	50% RB mid	2502.5	QPSK	21.98	23.98
5MHz	50%,high	2502.5	QPSK	21.91	23.91
5MHz	100% RB	2502.5	QPSK	21.89	23.89
5MHz	1 RB low	2502.5	16QAM	22.05	24.05
5MHz	1 RB mid	2502.5	16QAM	22.12	24.12
5MHz	1 RB high	2502.5	16QAM	22.08	24.08
5MHz	50%,low	2502.5	16QAM	20.89	22.89
5MHz	50% RB mid	2502.5	16QAM	20.98	22.98
5MHz	50%,high	2502.5	16QAM	20.96	22.96
5MHz	100% RB	2502.5	16QAM	20.95	22.95
5MHz	1 RB low	2535	QPSK	22.47	24.47
5MHz	1 RB mid	2535	QPSK	22.43	24.43
5MHz	1 RB high	2535	QPSK	22.38	24.38
5MHz	50%,low	2535	QPSK	21.27	23.27
5MHz	50% RB mid	2535	QPSK	21.33	23.33
5MHz	50%,high	2535	QPSK	21.24	23.24
5MHz	100% RB	2535	QPSK	21.27	23.27
5MHz	1 RB low	2535	16QAM	21.70	23.70
5MHz	1 RB mid	2535	16QAM	21.62	23.62
5MHz	1 RB high	2535	16QAM	21.58	23.58
5MHz	50%,low	2535	16QAM	20.46	22.46
5MHz	50% RB mid	2535	16QAM	20.54	22.54
5MHz	50%,high	2535	16QAM	20.39	22.39
5MHz	100% RB	2535	16QAM	20.33	22.33
5MHz	1 RB low	2567.5	QPSK	22.39	24.39
5MHz	1 RB mid	2567.5	QPSK	22.41	24.41
5MHz	1 RB high	2567.5	QPSK	22.34	24.34
5MHz	50%,low	2567.5	QPSK	21.28	23.28
5MHz	50% RB mid	2567.5	QPSK	21.33	23.33

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5MHz	50%,high	2567.5	QPSK	21.30	23.30
5MHz	100% RB	2567.5	QPSK	21.24	23.24
5MHz	1 RB low	2567.5	16QAM	21.44	23.44
5MHz	1 RB mid	2567.5	16QAM	21.43	23.43
5MHz	1 RB high	2567.5	16QAM	21.42	23.42
5MHz	50%,low	2567.5	16QAM	20.41	22.41
5MHz	50% RB mid	2567.5	16QAM	20.48	22.48
5MHz	50%,high	2567.5	16QAM	20.44	22.44
5MHz	100% RB	2567.5	16QAM	20.35	22.35
10MHz	1 RB low	2505	QPSK	23.11	25.11
10MHz	1 RB mid	2505	QPSK	23.06	25.06
10MHz	1 RB high	2505	QPSK	22.94	24.94
10MHz	50%,low	2505	QPSK	21.78	23.78
10MHz	50% RB mid	2505	QPSK	21.96	23.96
10MHz	50%,high	2505	QPSK	21.77	23.77
10MHz	100% RB	2505	QPSK	21.80	23.80
10MHz	1 RB low	2535	QPSK	22.44	24.44
10MHz	1 RB mid	2535	QPSK	22.35	24.35
10MHz	1 RB high	2535	QPSK	22.23	24.23
10MHz	50%,low	2535	QPSK	21.18	23.18
10MHz	50% RB mid	2535	QPSK	21.29	23.29
10MHz	50%,high	2535	QPSK	21.09	23.09
10MHz	100% RB	2535	QPSK	21.14	23.14
10MHz	1 RB low	2565	QPSK	22.53	24.53
10MHz	1 RB mid	2565	QPSK	22.30	24.30
10MHz	1 RB high	2565	QPSK	22.32	24.32
10MHz	50%,low	2565	QPSK	21.24	23.24
10MHz	50% RB mid	2565	QPSK	21.36	23.36
10MHz	50%,high	2565	QPSK	21.19	23.19
10MHz	100% RB	2565	QPSK	21.22	23.22
15MHz	1 RB low	2507.5	QPSK	23.16	25.16
15MHz	1 RB mid	2507.5	QPSK	23.05	25.05
15MHz	1 RB high	2507.5	QPSK	23.00	25.00
15MHz	50%,low	2507.5	QPSK	21.97	23.97
15MHz	50% RB mid	2507.5	QPSK	21.97	23.97
15MHz	50%,high	2507.5	QPSK	21.88	23.88
15MHz	100% RB	2507.5	QPSK	21.85	23.85
15MHz	1 RB low	2535	QPSK	22.46	24.46

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15MHz	1 RB mid	2535	QPSK	22.28	24.28
15MHz	1 RB high	2535	QPSK	22.37	24.37
15MHz	50%,low	2535	QPSK	21.32	23.32
15MHz	50% RB mid	2535	QPSK	21.36	23.36
15MHz	50%,high	2535	QPSK	21.28	23.28
15MHz	100% RB	2535	QPSK	21.38	23.38
15MHz	1 RB low	2562.5	QPSK	22.58	24.58
15MHz	1 RB mid	2562.5	QPSK	22.45	24.45
15MHz	1 RB high	2562.5	QPSK	22.31	24.31
15MHz	50%,low	2562.5	QPSK	21.51	23.51
15MHz	50% RB mid	2562.5	QPSK	21.45	23.45
15MHz	50%,high	2562.5	QPSK	21.28	23.28
15MHz	100% RB	2562.5	QPSK	21.34	23.34
20MHz	1 RB low	2510	QPSK	23.01	25.01
20MHz	1 RB mid	2510	QPSK	22.86	24.86
20MHz	1 RB high	2510	QPSK	22.58	24.58
20MHz	50%,low	2510	QPSK	21.87	23.87
20MHz	50% RB mid	2510	QPSK	21.83	23.83
20MHz	50%,high	2510	QPSK	21.74	23.74
20MHz	100% RB	2510	QPSK	21.65	23.65
20MHz	1 RB low	2535	QPSK	22.52	24.52
20MHz	1 RB mid	2535	QPSK	22.43	24.43
20MHz	1 RB high	2535	QPSK	22.39	24.39
20MHz	50%,low	2535	QPSK	21.28	23.28
20MHz	50% RB mid	2535	QPSK	21.42	23.42
20MHz	50%,high	2535	QPSK	21.23	23.23
20MHz	100% RB	2535	QPSK	21.35	23.35
20MHz	1 RB low	2560	QPSK	22.52	24.52
20MHz	1 RB mid	2560	QPSK	22.65	24.65
20MHz	1 RB high	2560	QPSK	22.31	24.31
20MHz	50%,low	2560	QPSK	21.48	23.48
20MHz	50% RB mid	2560	QPSK	21.52	23.52
20MHz	50%,high	2560	QPSK	21.26	23.26
20MHz	100% RB	2560	QPSK	21.35	23.35

LTE Band 41 result
LTE Band 41
Limits 33dBm(2w) Max EIRP:24.11dBm

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Avg Power (dBm)	EIRP(dBm)
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					$G_T = 2.00\text{dBi}$
5MHz	1 RB low	2498.5	QPSK	21.88	23.88
5MHz	1 RB mid	2498.5	QPSK	21.89	23.89
5MHz	1 RB high	2498.5	QPSK	21.84	23.84
5MHz	50%,low	2498.5	QPSK	20.66	22.66
5MHz	50% RB mid	2498.5	QPSK	20.74	22.74
5MHz	50%,high	2498.5	QPSK	20.70	22.7
5MHz	100% RB	2498.5	QPSK	20.67	22.67
5MHz	1 RB low	2498.5	16QAM	21.12	23.12
5MHz	1 RB mid	2498.5	16QAM	21.16	23.16
5MHz	1 RB high	2498.5	16QAM	21.15	23.15
5MHz	50%,low	2498.5	16QAM	19.83	21.83
5MHz	50% RB mid	2498.5	16QAM	19.92	21.92
5MHz	50%,high	2498.5	16QAM	19.86	21.86
5MHz	100% RB	2498.5	16QAM	19.65	21.65
5MHz	1 RB low	2593	QPSK	21.79	23.79
5MHz	1 RB mid	2593	QPSK	21.76	23.76
5MHz	1 RB high	2593	QPSK	21.65	23.65
5MHz	50%,low	2593	QPSK	20.59	22.59
5MHz	50% RB mid	2593	QPSK	20.65	22.65
5MHz	50%,high	2593	QPSK	20.57	22.57
5MHz	100% RB	2593	QPSK	20.57	22.57
5MHz	1 RB low	2593	16QAM	20.81	22.81
5MHz	1 RB mid	2593	16QAM	20.79	22.79
5MHz	1 RB high	2593	16QAM	20.68	22.68
5MHz	50%,low	2593	16QAM	19.76	21.76
5MHz	50% RB mid	2593	16QAM	19.82	21.82
5MHz	50%,high	2593	16QAM	19.75	21.75
5MHz	100% RB	2593	16QAM	19.71	21.71
5MHz	1 RB low	2687.5	QPSK	21.59	23.59
5MHz	1 RB mid	2687.5	QPSK	21.39	23.39
5MHz	1 RB high	2687.5	QPSK	21.40	23.4
5MHz	50%,low	2687.5	QPSK	20.33	22.33
5MHz	50% RB mid	2687.5	QPSK	20.37	22.37
5MHz	50%,high	2687.5	QPSK	20.30	22.3
5MHz	100% RB	2687.5	QPSK	20.31	22.31
5MHz	1 RB low	2687.5	16QAM	20.67	22.67
5MHz	1 RB mid	2687.5	16QAM	20.57	22.57

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5MHz	1 RB high	2687.5	16QAM	20.50	22.5
5MHz	50%,low	2687.5	16QAM	19.34	21.34
5MHz	50% RB mid	2687.5	16QAM	19.39	21.39
5MHz	50%,high	2687.5	16QAM	19.31	21.31
5MHz	100% RB	2687.5	16QAM	19.36	21.36
10MHz	1 RB low	2501	QPSK	22.00	24
10MHz	1 RB mid	2501	QPSK	22.03	24.03
10MHz	1 RB high	2501	QPSK	22.03	24.03
10MHz	50%,low	2501	QPSK	20.74	22.74
10MHz	50% RB mid	2501	QPSK	20.89	22.89
10MHz	50%,high	2501	QPSK	20.76	22.76
10MHz	100% RB	2501	QPSK	20.74	22.74
10MHz	1 RB low	2593	QPSK	22.02	24.02
10MHz	1 RB mid	2593	QPSK	21.92	23.92
10MHz	1 RB high	2593	QPSK	21.75	23.75
10MHz	50%,low	2593	QPSK	20.69	22.69
10MHz	50% RB mid	2593	QPSK	20.79	22.79
10MHz	50%,high	2593	QPSK	20.61	22.61
10MHz	100% RB	2593	QPSK	20.65	22.65
10MHz	1 RB low	2685	QPSK	21.83	23.83
10MHz	1 RB mid	2685	QPSK	21.66	23.66
10MHz	1 RB high	2685	QPSK	21.48	23.48
10MHz	50%,low	2685	QPSK	20.43	22.43
10MHz	50% RB mid	2685	QPSK	20.59	22.59
10MHz	50%,high	2685	QPSK	20.38	22.38
10MHz	100% RB	2685	QPSK	20.45	22.45
15MHz	1 RB low	2503.5	QPSK	22.00	24
15MHz	1 RB mid	2503.5	QPSK	22.11	24.11
15MHz	1 RB high	2503.5	QPSK	21.97	23.97
15MHz	50%,low	2503.5	QPSK	20.89	22.89
15MHz	50% RB mid	2503.5	QPSK	20.98	22.98
15MHz	50%,high	2503.5	QPSK	20.96	22.96
15MHz	100% RB	2503.5	QPSK	20.86	22.86
15MHz	1 RB low	2593	QPSK	21.99	23.99
15MHz	1 RB mid	2593	QPSK	21.94	23.94
15MHz	1 RB high	2593	QPSK	21.66	23.66
15MHz	50%,low	2593	QPSK	20.84	22.84
15MHz	50% RB mid	2593	QPSK	20.85	22.85

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15MHz	50%,high	2593	QPSK	20.69	22.69
15MHz	100% RB	2593	QPSK	20.74	22.74
15MHz	1 RB low	2682.5	QPSK	21.75	23.75
15MHz	1 RB mid	2682.5	QPSK	21.72	23.72
15MHz	1 RB high	2682.5	QPSK	21.42	23.42
15MHz	50%,low	2682.5	QPSK	20.61	22.61
15MHz	50% RB mid	2682.5	QPSK	20.66	22.66
15MHz	50%,high	2682.5	QPSK	20.55	22.55
15MHz	100% RB	2682.5	QPSK	20.56	22.56
20MHz	1 RB low	2506	QPSK	21.85	23.85
20MHz	1 RB mid	2506	QPSK	22.11	24.11
20MHz	1 RB high	2506	QPSK	21.78	23.78
20MHz	50%,low	2506	QPSK	20.81	22.81
20MHz	50% RB mid	2506	QPSK	21.02	23.02
20MHz	50%,high	2506	QPSK	20.83	22.83
20MHz	100% RB	2506	QPSK	20.86	22.86
20MHz	1 RB low	2593	QPSK	21.86	23.86
20MHz	1 RB mid	2593	QPSK	21.90	23.9
20MHz	1 RB high	2593	QPSK	21.33	23.33
20MHz	50%,low	2593	QPSK	20.78	22.78
20MHz	50% RB mid	2593	QPSK	20.83	22.83
20MHz	50%,high	2593	QPSK	20.57	22.57
20MHz	100% RB	2593	QPSK	20.66	22.66
20MHz	1 RB low	2680	QPSK	21.85	23.85
20MHz	1 RB mid	2680	QPSK	21.89	23.89
20MHz	1 RB high	2680	QPSK	21.33	23.33
20MHz	50%,low	2680	QPSK	20.57	22.57
20MHz	50% RB mid	2680	QPSK	20.63	22.63
20MHz	50%,high	2680	QPSK	20.50	22.5
20MHz	100% RB	2680	QPSK	20.48	22.48

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6.3.5 LTE Band 66 result

LTE Band 66

Limits 30dBm(1w) Max EIRP:25.75dBm

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Avg Power (dBm)	EIRP(dBm) GT= 2dBi
1.4MHz	1 RB low	1710.7	QPSK	23.61	25.61
1.4MHz	1 RB mid	1710.7	QPSK	23.55	25.55
1.4MHz	1 RB high	1710.7	QPSK	23.57	25.57
1.4MHz	50%,low	1710.7	QPSK	23.64	25.64
1.4MHz	50% RB mid	1710.7	QPSK	23.51	25.51
1.4MHz	50%,high	1710.7	QPSK	22.71	24.71
1.4MHz	100% RB	1710.7	QPSK	22.42	24.42
1.4MHz	1 RB low	1710.7	16QAM	22.57	24.57
1.4MHz	1 RB mid	1710.7	16QAM	22.64	24.64
1.4MHz	1 RB high	1710.7	16QAM	22.60	24.60
1.4MHz	50%,low	1710.7	16QAM	23.61	25.61
1.4MHz	50% RB mid	1710.7	16QAM	22.46	24.46
1.4MHz	50%,high	1710.7	16QAM	23.59	25.59
1.4MHz	100% RB	1710.7	16QAM	21.23	23.23
1.4MHz	1 RB low	1745	QPSK	22.75	24.75
1.4MHz	1 RB mid	1745	QPSK	22.66	24.66
1.4MHz	1 RB high	1745	QPSK	22.68	24.68
1.4MHz	50%,low	1745	QPSK	22.74	24.74
1.4MHz	50% RB mid	1745	QPSK	22.66	24.66
1.4MHz	50%,high	1745	QPSK	22.73	24.73
1.4MHz	100% RB	1745	QPSK	21.64	23.64
1.4MHz	1 RB low	1745	16QAM	21.89	23.89
1.4MHz	1 RB mid	1745	16QAM	21.88	23.88
1.4MHz	1 RB high	1745	16QAM	21.82	23.82
1.4MHz	50%,low	1745	16QAM	22.31	24.31
1.4MHz	50% RB mid	1745	16QAM	21.80	23.80
1.4MHz	50%,high	1745	16QAM	22.74	24.74
1.4MHz	100% RB	1745	16QAM	20.80	22.80
1.4MHz	1 RB low	1779.3	QPSK	22.32	24.32
1.4MHz	1 RB mid	1779.3	QPSK	22.27	24.27
1.4MHz	1 RB high	1779.3	QPSK	22.24	24.24
1.4MHz	50%,low	1779.3	QPSK	22.24	24.24
1.4MHz	50% RB mid	1779.3	QPSK	22.23	24.23

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1.4MHz	50%,high	1779.3	QPSK	22.23	24.23
1.4MHz	100% RB	1779.3	QPSK	21.29	23.29
1.4MHz	1 RB low	1779.3	16QAM	21.28	23.28
1.4MHz	1 RB mid	1779.3	16QAM	21.29	23.29
1.4MHz	1 RB high	1779.3	16QAM	21.21	23.21
1.4MHz	50%,low	1779.3	16QAM	22.24	24.24
1.4MHz	50% RB mid	1779.3	16QAM	21.38	23.38
1.4MHz	50%,high	1779.3	16QAM	22.24	24.24
1.4MHz	100% RB	1779.3	16QAM	20.41	22.41
3MHz	1 RB low	1711.5	QPSK	23.51	25.51
3MHz	1 RB mid	1711.5	QPSK	23.56	25.56
3MHz	1 RB high	1711.5	QPSK	23.37	25.37
3MHz	50%,low	1711.5	QPSK	23.50	25.50
3MHz	50% RB mid	1711.5	QPSK	22.38	24.38
3MHz	50%,high	1711.5	QPSK	23.49	25.49
3MHz	100% RB	1711.5	QPSK	22.34	24.34
3MHz	1 RB low	1711.5	16QAM	22.26	24.26
3MHz	1 RB mid	1711.5	16QAM	22.39	24.39
3MHz	1 RB high	1711.5	16QAM	22.18	24.18
3MHz	50%,low	1711.5	16QAM	23.48	25.48
3MHz	50% RB mid	1711.5	16QAM	21.30	23.30
3MHz	50%,high	1711.5	16QAM	23.58	25.58
3MHz	100% RB	1711.5	16QAM	21.21	23.21
3MHz	1 RB low	1745	QPSK	22.67	24.67
3MHz	1 RB mid	1745	QPSK	22.77	24.77
3MHz	1 RB high	1745	QPSK	22.60	24.60
3MHz	50%,low	1745	QPSK	22.76	24.76
3MHz	50% RB mid	1745	QPSK	21.69	23.69
3MHz	50%,high	1745	QPSK	22.76	24.76
3MHz	100% RB	1745	QPSK	21.66	23.66
3MHz	1 RB low	1745	16QAM	21.79	23.79
3MHz	1 RB mid	1745	16QAM	21.88	23.88
3MHz	1 RB high	1745	16QAM	21.65	23.65
3MHz	50%,low	1745	16QAM	22.76	24.76
3MHz	50% RB mid	1745	16QAM	20.72	22.72
3MHz	50%,high	1745	16QAM	22.76	24.76
3MHz	100% RB	1745	16QAM	20.66	22.66
3MHz	1 RB low	1778.5	QPSK	22.25	24.25

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3MHz	1 RB mid	1778.5	QPSK	22.26	24.26
3MHz	1 RB high	1778.5	QPSK	22.03	24.03
3MHz	50%,low	1778.5	QPSK	22.25	24.25
3MHz	50% RB mid	1778.5	QPSK	21.33	23.33
3MHz	50%,high	1778.5	QPSK	21.94	23.94
3MHz	100% RB	1778.5	QPSK	21.32	23.32
3MHz	1 RB low	1778.5	16QAM	21.52	23.52
3MHz	1 RB mid	1778.5	16QAM	21.50	23.50
3MHz	1 RB high	1778.5	16QAM	21.29	23.29
3MHz	50%,low	1778.5	16QAM	22.26	24.26
3MHz	50% RB mid	1778.5	16QAM	20.50	22.50
3MHz	50%,high	1778.5	16QAM	22.26	24.26
3MHz	100% RB	1778.5	16QAM	20.42	22.42
5MHz	1 RB low	1712.5	QPSK	23.75	25.75
5MHz	1 RB mid	1712.5	QPSK	23.55	25.55
5MHz	1 RB high	1712.5	QPSK	23.40	25.40
5MHz	50%,low	1712.5	QPSK	22.26	24.26
5MHz	50% RB mid	1712.5	QPSK	22.34	24.34
5MHz	50%,high	1712.5	QPSK	22.25	24.25
5MHz	100% RB	1712.5	QPSK	22.24	24.24
5MHz	1 RB low	1712.5	16QAM	22.56	24.56
5MHz	1 RB mid	1712.5	16QAM	22.52	24.52
5MHz	1 RB high	1712.5	16QAM	22.39	24.39
5MHz	50%,low	1712.5	16QAM	21.30	23.30
5MHz	50% RB mid	1712.5	16QAM	21.30	23.30
5MHz	50%,high	1712.5	16QAM	21.21	23.21
5MHz	100% RB	1712.5	16QAM	21.24	23.24
5MHz	1 RB low	1745	QPSK	22.88	24.88
5MHz	1 RB mid	1745	QPSK	22.85	24.85
5MHz	1 RB high	1745	QPSK	22.69	24.69
5MHz	50%,low	1745	QPSK	21.62	23.62
5MHz	50% RB mid	1745	QPSK	21.70	23.70
5MHz	50%,high	1745	QPSK	21.59	23.59
5MHz	100% RB	1745	QPSK	21.64	23.64
5MHz	1 RB low	1745	16QAM	22.09	24.09
5MHz	1 RB mid	1745	16QAM	22.07	24.07
5MHz	1 RB high	1745	16QAM	21.90	23.90
5MHz	50%,low	1745	16QAM	20.82	22.82

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5MHz	50% RB mid	1745	16QAM	20.90	22.90
5MHz	50%,high	1745	16QAM	20.83	22.83
5MHz	100% RB	1745	16QAM	20.68	22.68
5MHz	1 RB low	1777.5	QPSK	22.41	24.41
5MHz	1 RB mid	1777.5	QPSK	22.43	24.43
5MHz	1 RB high	1777.5	QPSK	22.14	24.14
5MHz	50%,low	1777.5	QPSK	21.32	23.32
5MHz	50% RB mid	1777.5	QPSK	21.43	23.43
5MHz	50%,high	1777.5	QPSK	21.31	23.31
5MHz	100% RB	1777.5	QPSK	21.30	23.30
5MHz	1 RB low	1777.5	16QAM	21.40	23.40
5MHz	1 RB mid	1777.5	16QAM	21.53	23.53
5MHz	1 RB high	1777.5	16QAM	21.27	23.27
5MHz	50%,low	1777.5	16QAM	20.44	22.44
5MHz	50% RB mid	1777.5	16QAM	20.57	22.57
5MHz	50%,high	1777.5	16QAM	20.45	22.45
5MHz	100% RB	1777.5	16QAM	20.40	22.40
10MHz	1 RB low	1715	QPSK	23.64	25.64
10MHz	1 RB mid	1715	QPSK	23.25	25.25
10MHz	1 RB high	1715	QPSK	23.04	25.04
10MHz	50%,low	1715	QPSK	22.03	24.03
10MHz	50% RB mid	1715	QPSK	22.11	24.11
10MHz	50%,high	1715	QPSK	21.84	23.84
10MHz	100% RB	1715	QPSK	21.95	23.95
10MHz	1 RB low	1745	QPSK	22.81	24.81
10MHz	1 RB mid	1745	QPSK	22.68	24.68
10MHz	1 RB high	1745	QPSK	22.33	24.33
10MHz	50%,low	1745	QPSK	21.55	23.55
10MHz	50% RB mid	1745	QPSK	21.64	23.64
10MHz	50%,high	1745	QPSK	21.35	23.35
10MHz	100% RB	1745	QPSK	21.41	23.41
10MHz	1 RB low	1775	QPSK	22.35	24.35
10MHz	1 RB mid	1775	QPSK	22.27	24.27
10MHz	1 RB high	1775	QPSK	22.09	24.09
10MHz	50%,low	1775	QPSK	21.11	23.11
10MHz	50% RB mid	1775	QPSK	21.30	23.30
10MHz	50%,high	1775	QPSK	21.14	23.14
10MHz	100% RB	1775	QPSK	21.15	23.15

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15MHz	1 RB low	1717.5	QPSK	23.51	25.51
15MHz	1 RB mid	1717.5	QPSK	23.15	25.15
15MHz	1 RB high	1717.5	QPSK	22.96	24.96
15MHz	50%,low	1717.5	QPSK	22.03	24.03
15MHz	50% RB mid	1717.5	QPSK	22.02	24.02
15MHz	50%,high	1717.5	QPSK	21.75	23.75
15MHz	100% RB	1717.5	QPSK	21.91	23.91
15MHz	1 RB low	1745	QPSK	22.80	24.80
15MHz	1 RB mid	1745	QPSK	22.74	24.74
15MHz	1 RB high	1745	QPSK	22.43	24.43
15MHz	50%,low	1745	QPSK	21.72	23.72
15MHz	50% RB mid	1745	QPSK	21.71	23.71
15MHz	50%,high	1745	QPSK	21.49	23.49
15MHz	100% RB	1745	QPSK	21.59	23.59
15MHz	1 RB low	1772.5	QPSK	22.29	24.29
15MHz	1 RB mid	1772.5	QPSK	22.33	24.33
15MHz	1 RB high	1772.5	QPSK	22.12	24.12
15MHz	50%,low	1772.5	QPSK	21.30	23.30
15MHz	50% RB mid	1772.5	QPSK	21.45	23.45
15MHz	50%,high	1772.5	QPSK	21.31	23.31
15MHz	100% RB	1772.5	QPSK	21.34	23.34
20MHz	1 RB low	1720	QPSK	23.34	25.34
20MHz	1 RB mid	1720	QPSK	22.99	24.99
20MHz	1 RB high	1720	QPSK	22.73	24.73
20MHz	50%,low	1720	QPSK	21.91	23.91
20MHz	50% RB mid	1720	QPSK	21.86	23.86
20MHz	50%,high	1720	QPSK	21.71	23.71
20MHz	100% RB	1720	QPSK	21.74	23.74
20MHz	1 RB low	1745	QPSK	22.84	24.84
20MHz	1 RB mid	1745	QPSK	22.84	24.84
20MHz	1 RB high	1745	QPSK	22.16	24.16
20MHz	50%,low	1745	QPSK	21.68	23.68
20MHz	50% RB mid	1745	QPSK	21.68	23.68
20MHz	50%,high	1745	QPSK	21.33	23.33
20MHz	100% RB	1745	QPSK	21.51	23.51
20MHz	1 RB low	1770	QPSK	22.19	24.19
20MHz	1 RB mid	1770	QPSK	22.59	24.59
20MHz	1 RB high	1770	QPSK	22.12	24.12

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20MHz	50%,low	1770	QPSK	21.14	23.14
20MHz	50% RB mid	1770	QPSK	21.37	23.37
20MHz	50%,high	1770	QPSK	21.18	23.18
20MHz	100% RB	1770	QPSK	21.21	23.21

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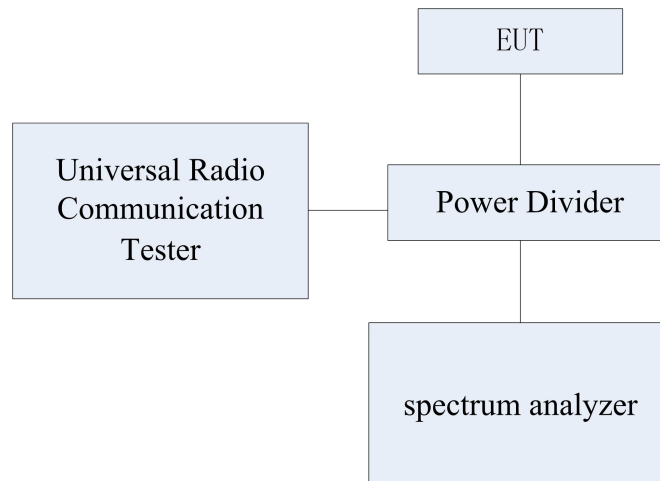
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6.4. Occupied Bandwidth

Specifications:	FCC Part 2.1049, 22.917(b), 24.238(b)
DUT Serial Number:	868070047049113
Test conditions:	Ambient Temperature:15°C-35°C Relative Humidity:30%-60% 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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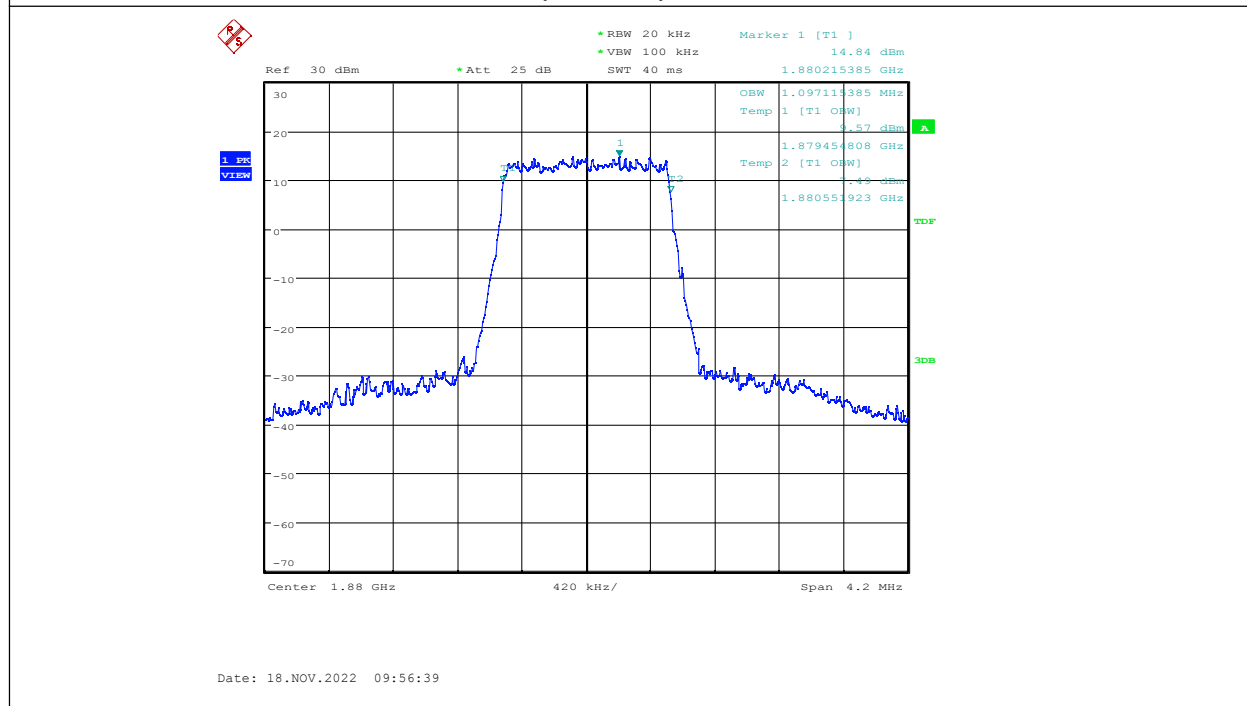
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6.4.1 occupied bandwidth Results

LTE band 2,1.4MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1850.7	1.090	1.090
1880	1.097	1.097
1909.3	1.090	1.090

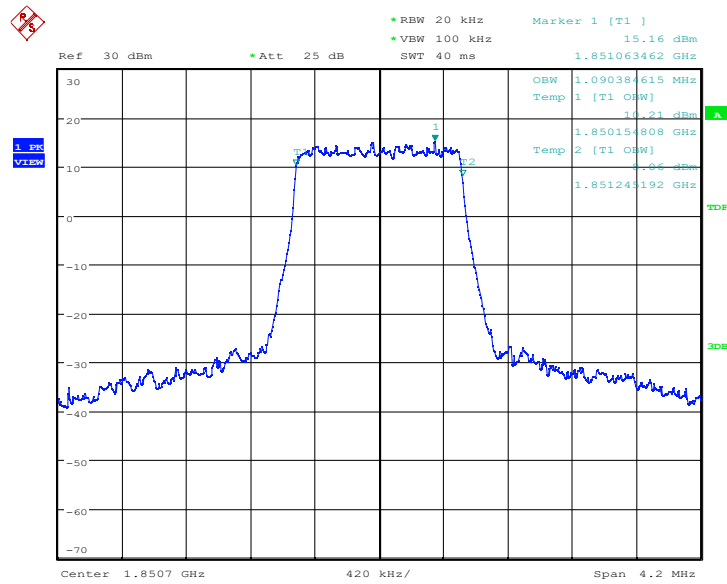
LTE band 2 , 1.4MHz Bandwidth,QPSK (99% BW)



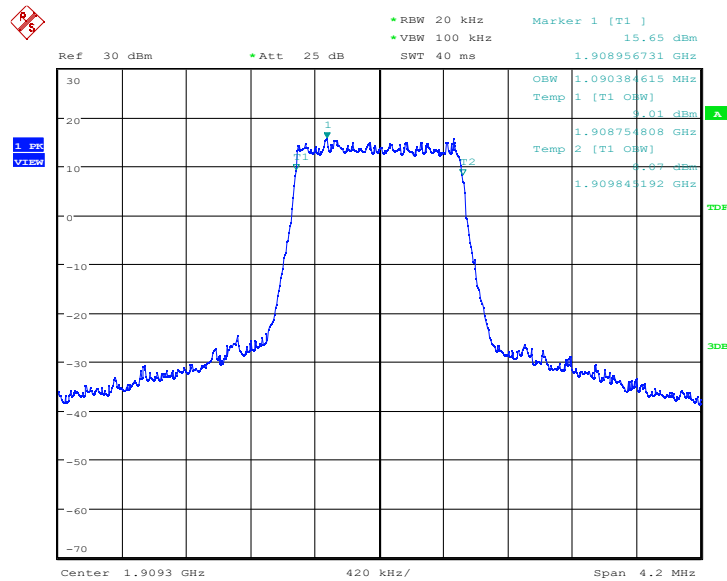
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Date: 18.NOV.2022 09:55:50



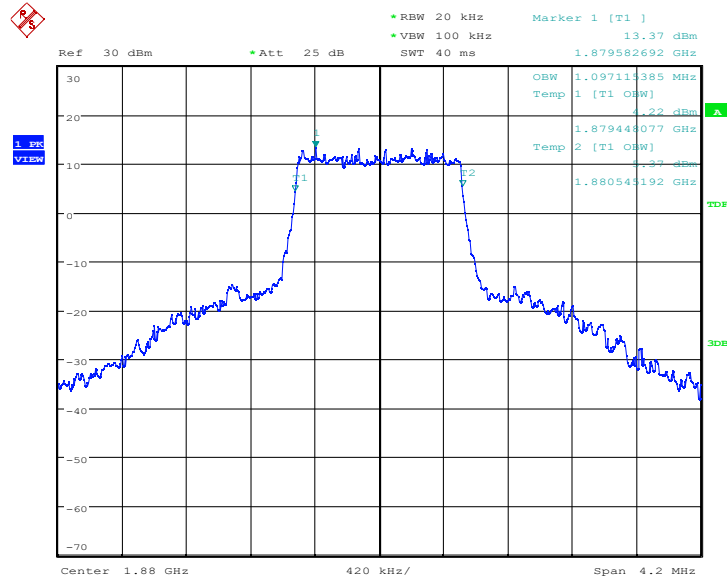
Date: 18.NOV.2022 09:57:31

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

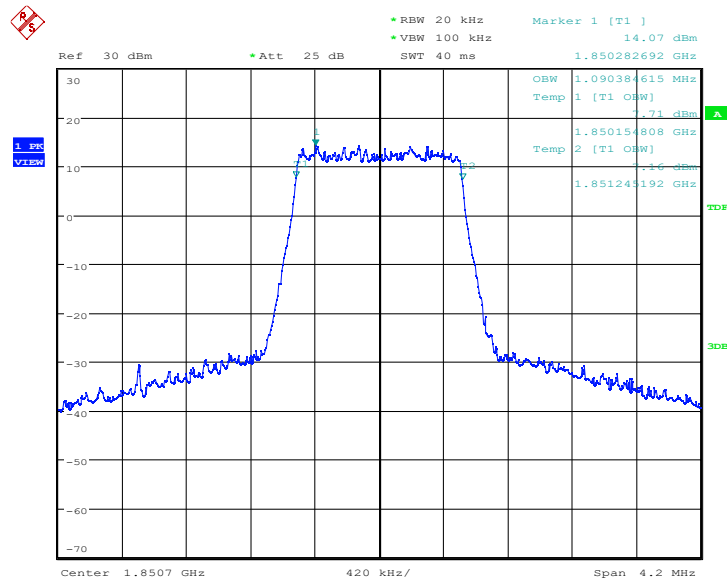
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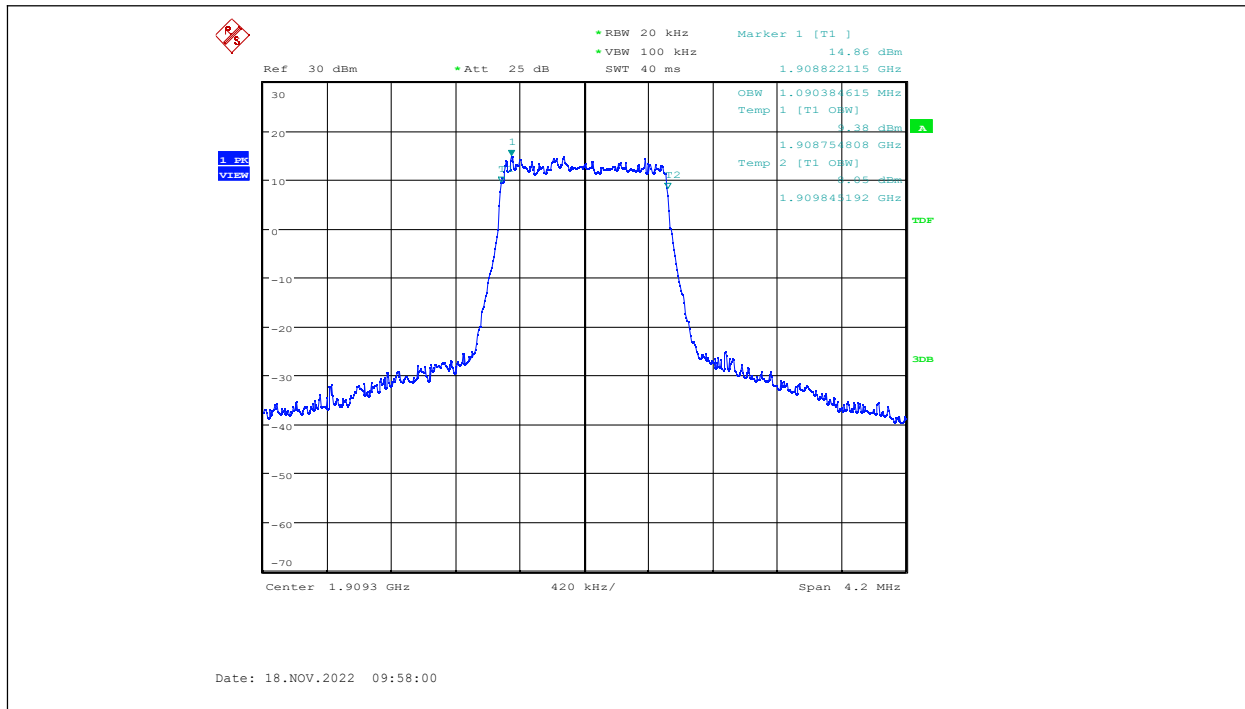
Date: 19.NOV.2022 01:07:02



Date: 18.NOV.2022 09:56:12

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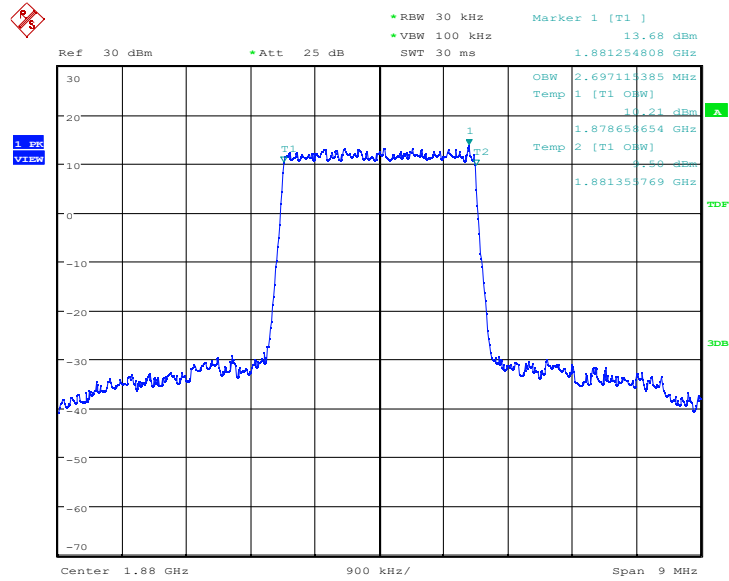


LTE band 2,3MHz(99%)

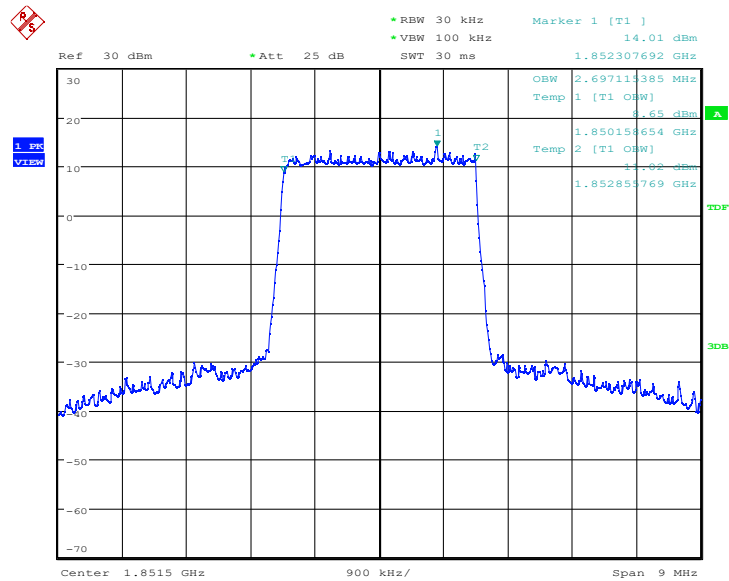
Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1851.5	2.697	2.712
1880	2.697	2.683
1908.5	2.697	2.683
LTE band 2 , 3MHz Bandwidth,QPSK (99% BW)		

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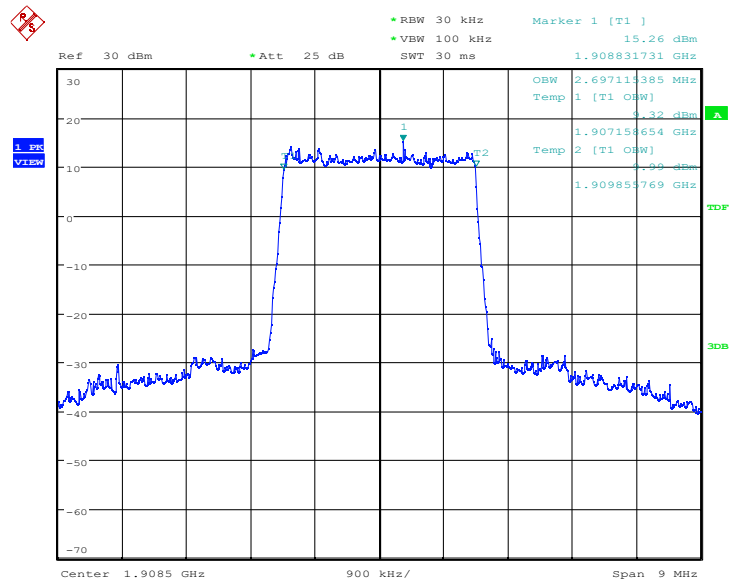
Date: 18.NOV.2022 09:59:23



Date: 18.NOV.2022 09:58:35

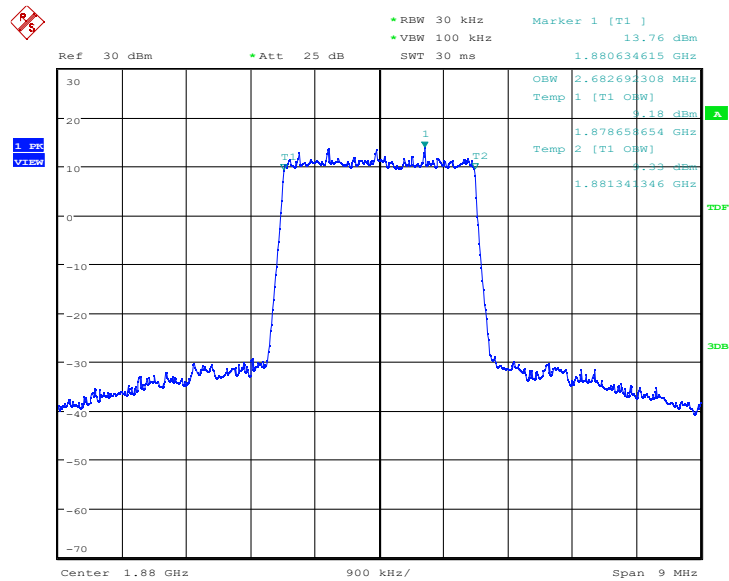
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Date: 18.NOV.2022 10:00:14

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

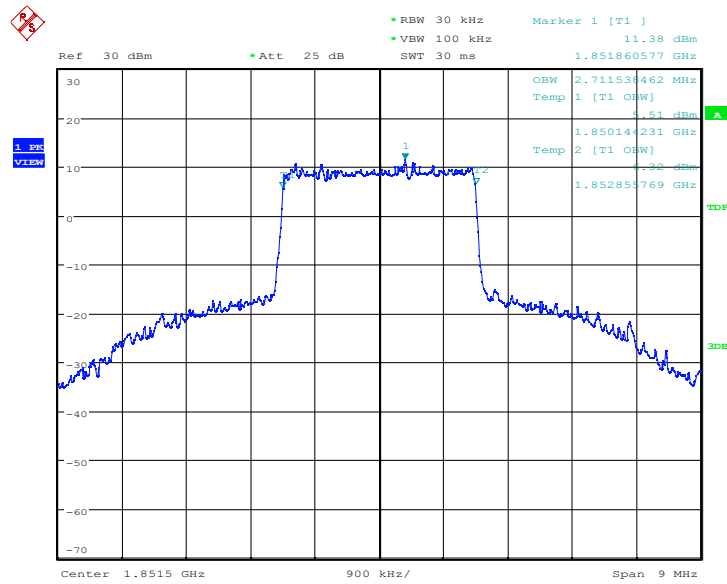


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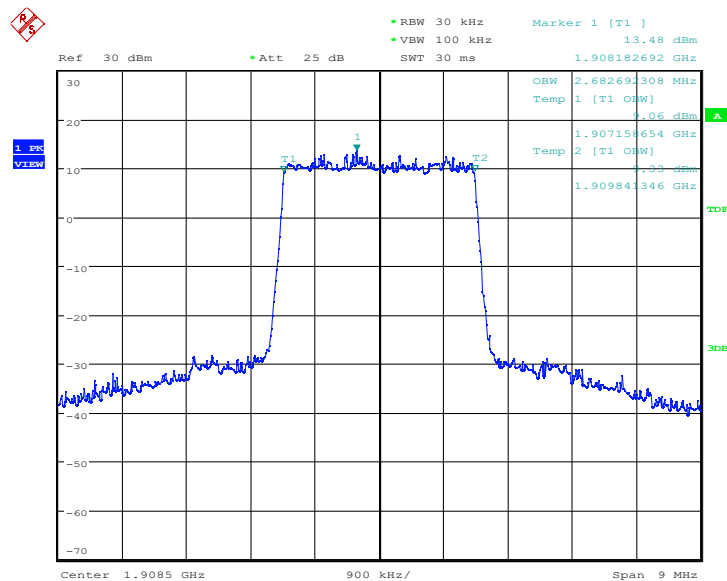
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Report No.: I22W00078-LTE-RF-FCC-Rev3



Date: 19.NOV.2022 01:07:33



Date: 18.NOV.2022 10:00:33

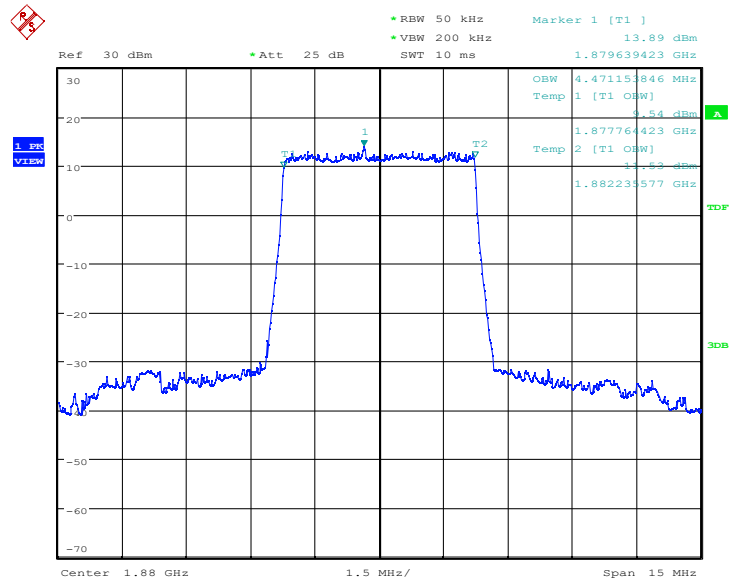
LTE band 2,5MHz(99%)

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

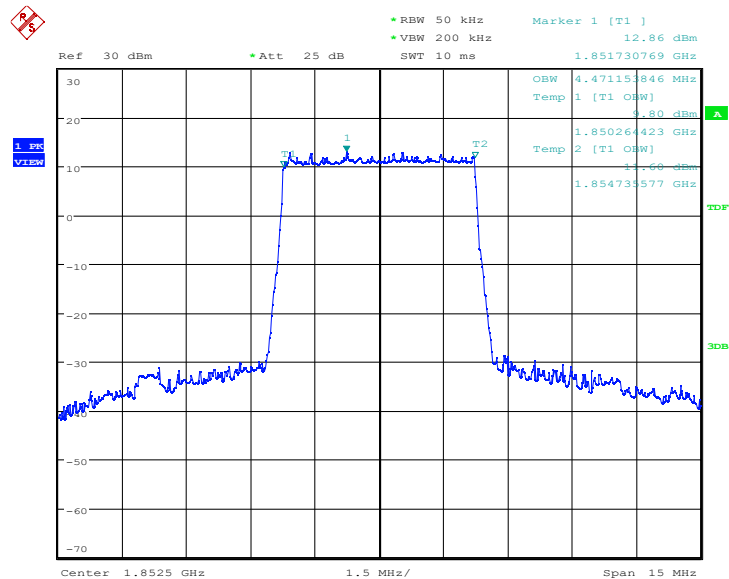
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LTE band 2 , 5MHz Bandwidth,QPSK (99% BW)



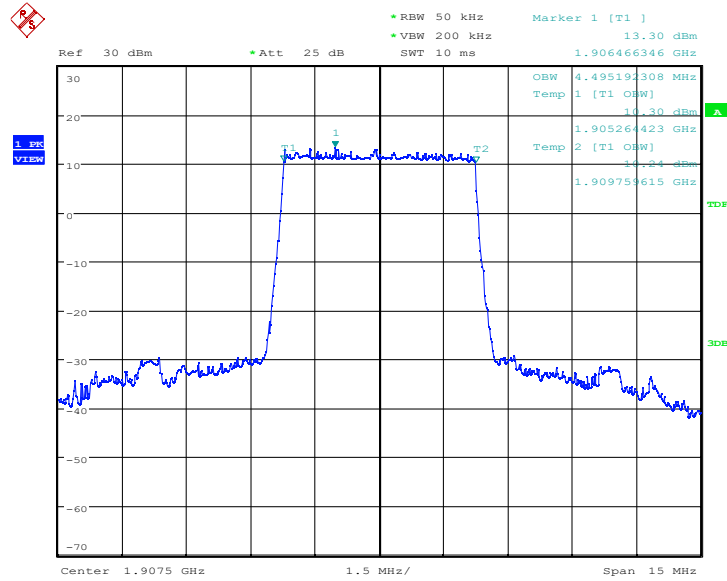
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Date: 18.NOV.2022 10:01:03

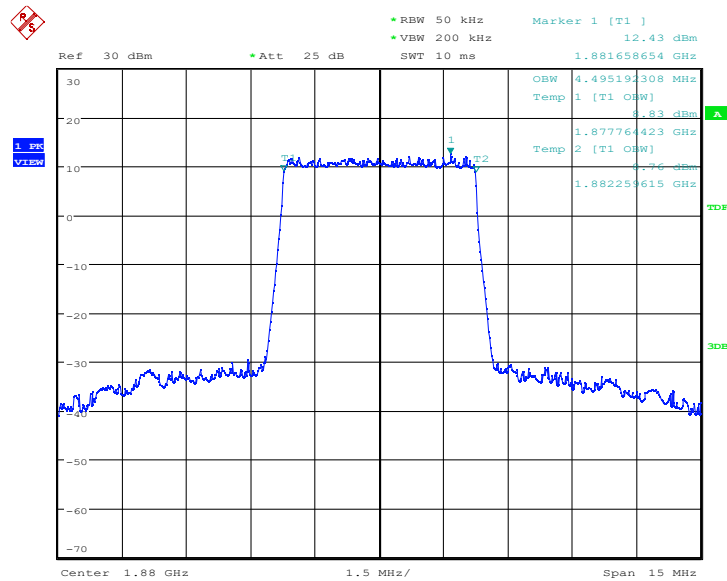
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Date: 18.NOV.2022 10:02:53

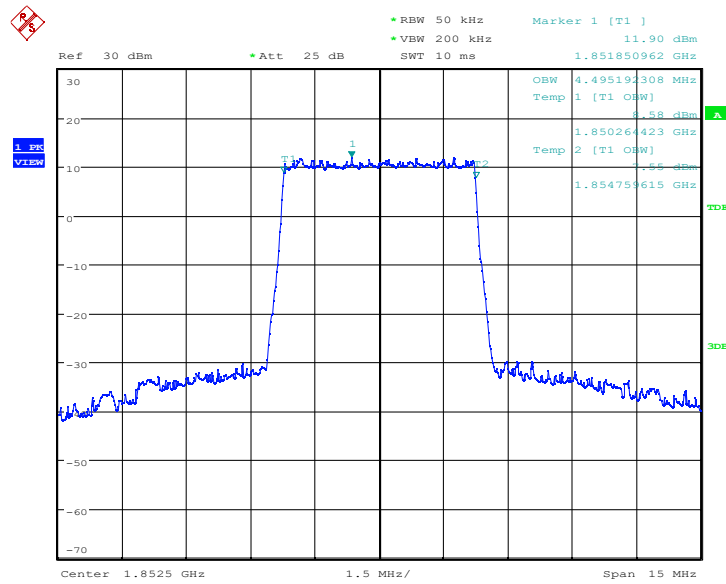
LTE band 2 , 5MHz Bandwidth,16QAM (99% BW)



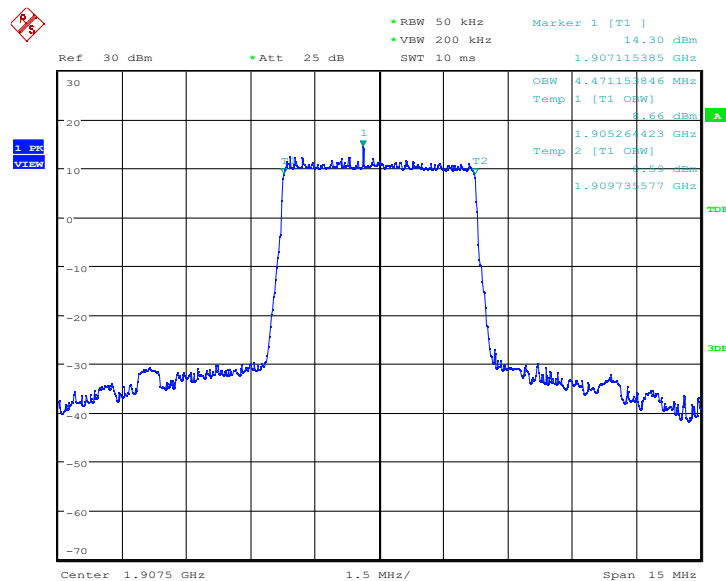
Date: 18.NOV.2022 10:02:23

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Date: 19.NOV.2022 01:08:03



Date: 18.NOV.2022 10:03:15

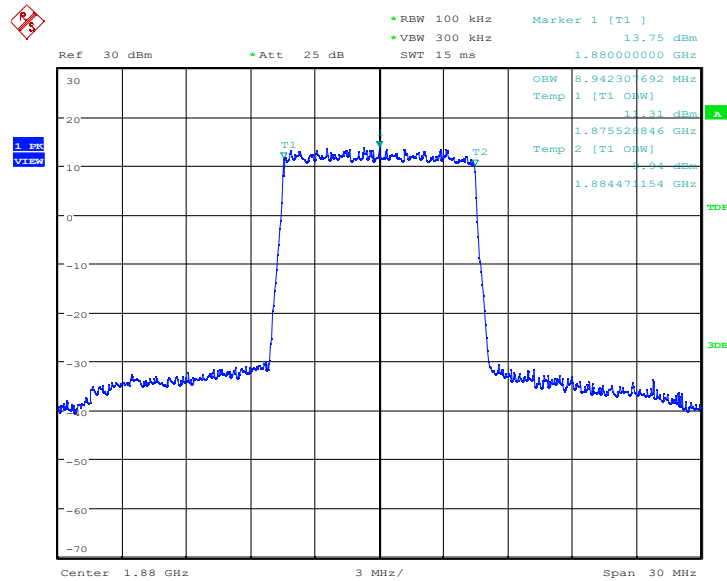
LTE band 2,10MHz(99%)

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

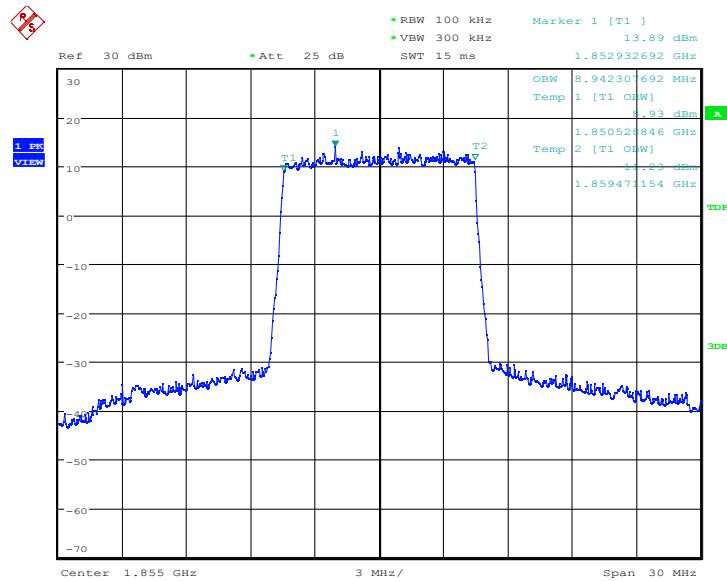
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LTE band 2 , 10MHz Bandwidth,QPSK (99% BW)



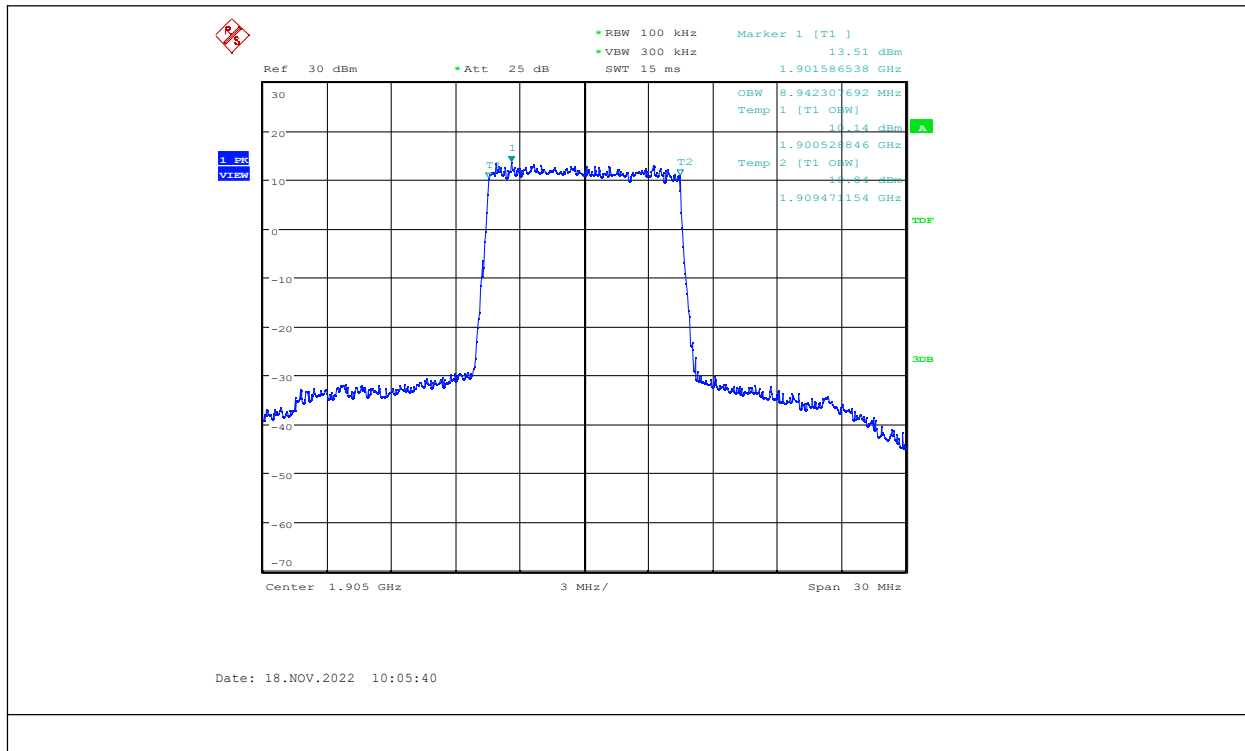
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Date: 18.NOV.2022 10:03:51

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



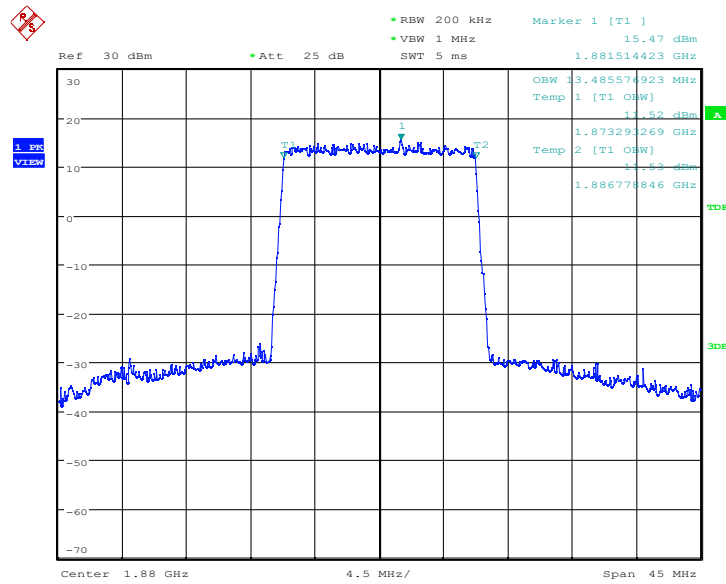
LTE band 2,15MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)
	QPSK
1857.5	13.486
1880	13.486
1902.5	13.486
LTE band 2 , 15MHz Bandwidth,QPSK (99% BW)	

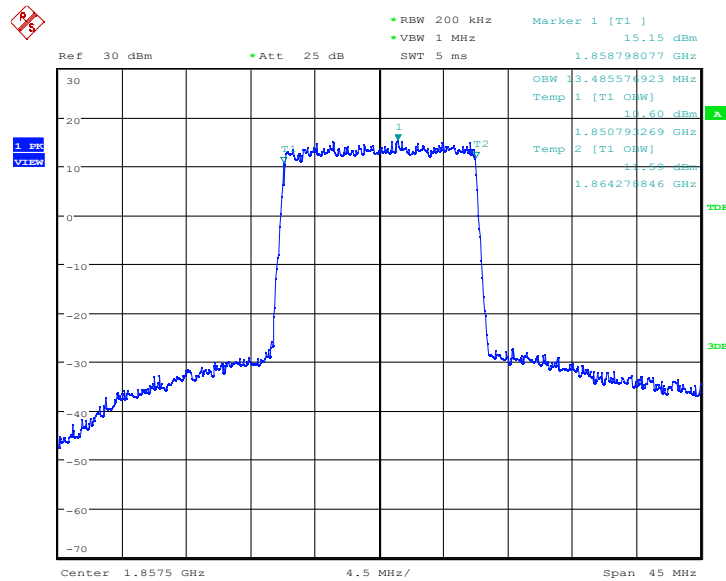
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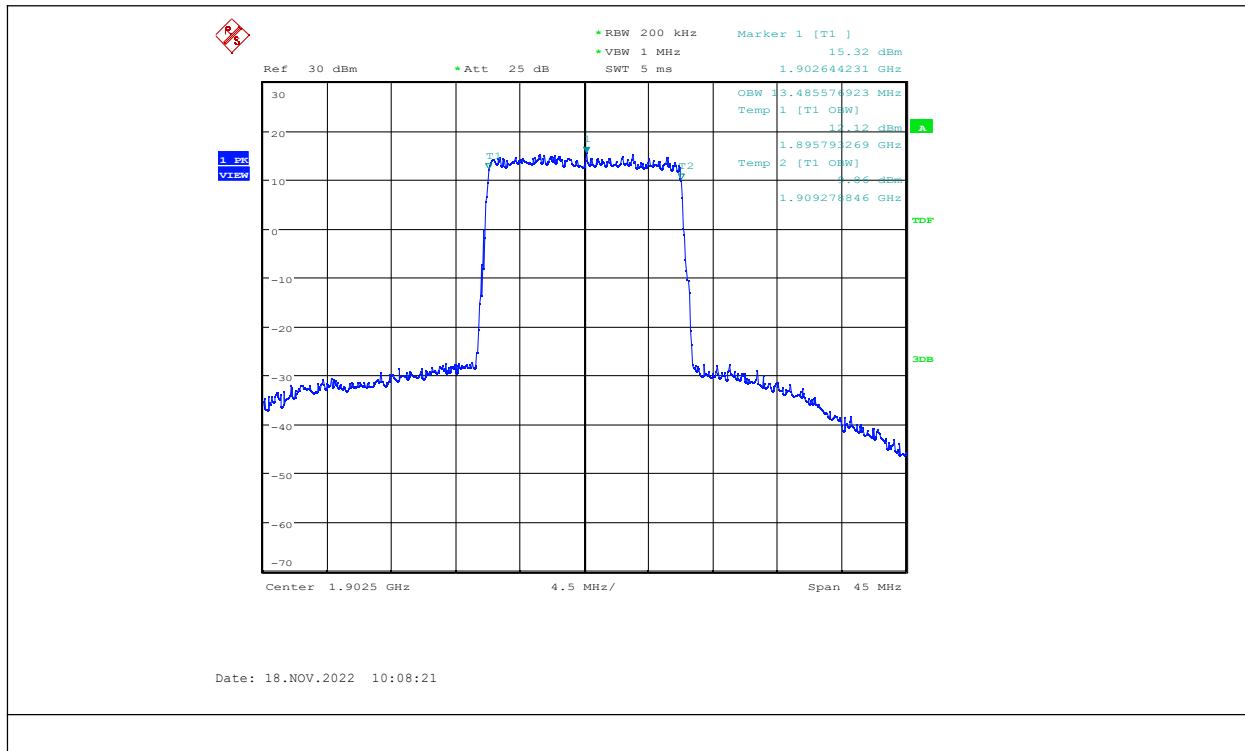
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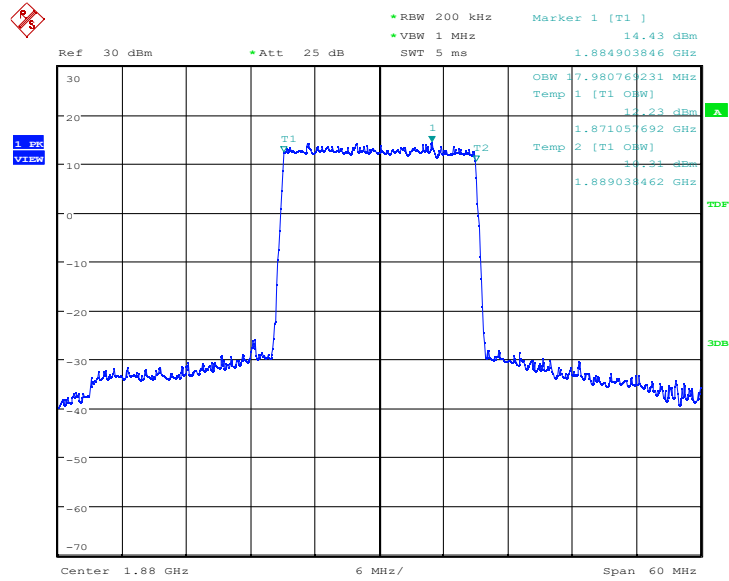
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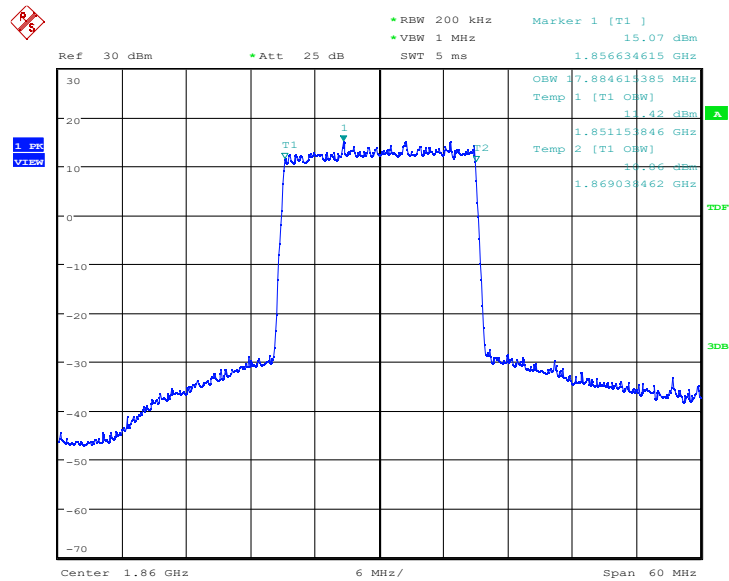


LTE band 2,20MHz(99%)

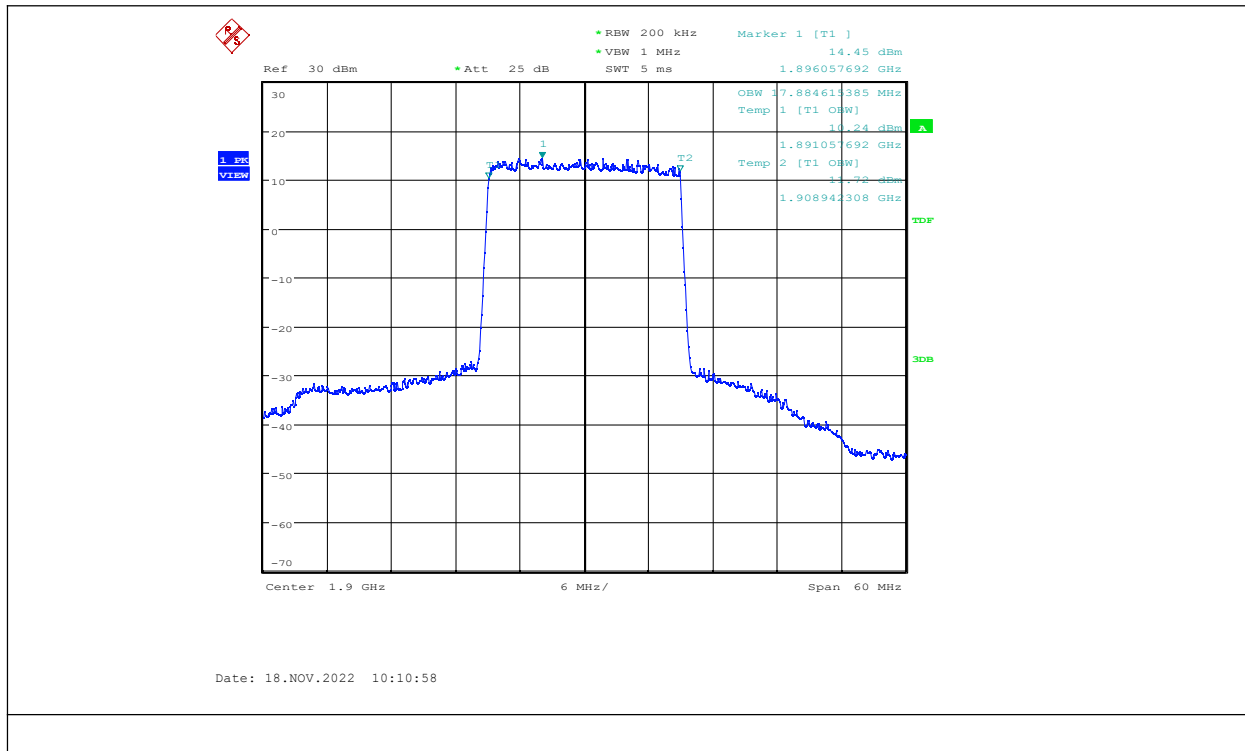
Frequency (MHz)	Occupied Bandwidth (99%)(MHz)
	QPSK
1860	17.885
1880	17.981
1900	17.885
LTE band 2 , 20MHz Bandwidth,QPSK (99% BW)	



Date: 18.NOV.2022 10:10:10



Date: 18.NOV.2022 10:09:19



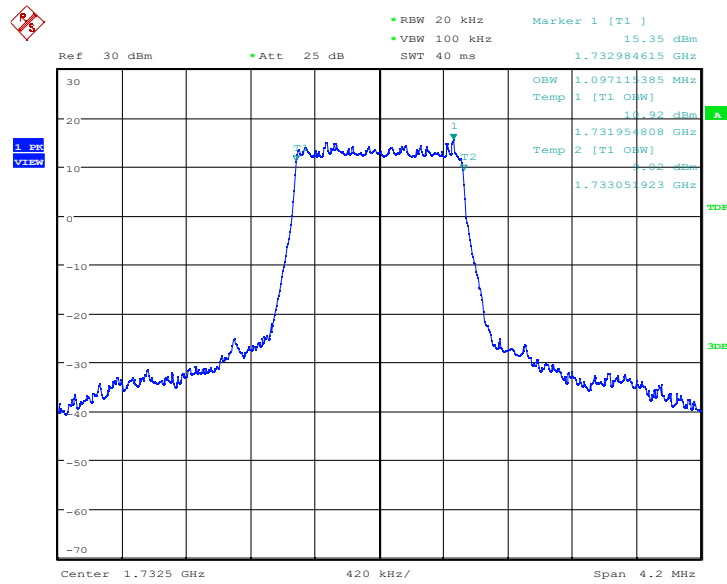
LTE band 4,1.4MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1710.7	1.090	1.084
1732.5	1.097	1.090
1754.3	1.090	1.090
LTE band 4 , 1.4MHz Bandwidth,QPSK (99% BW)		

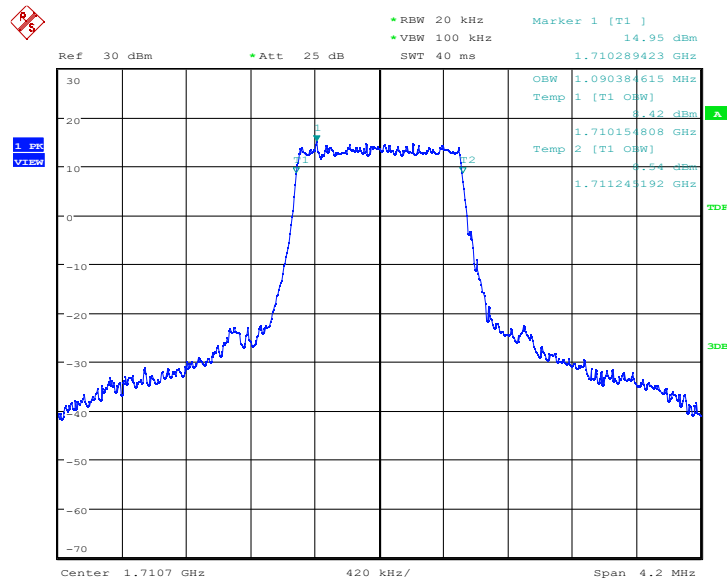
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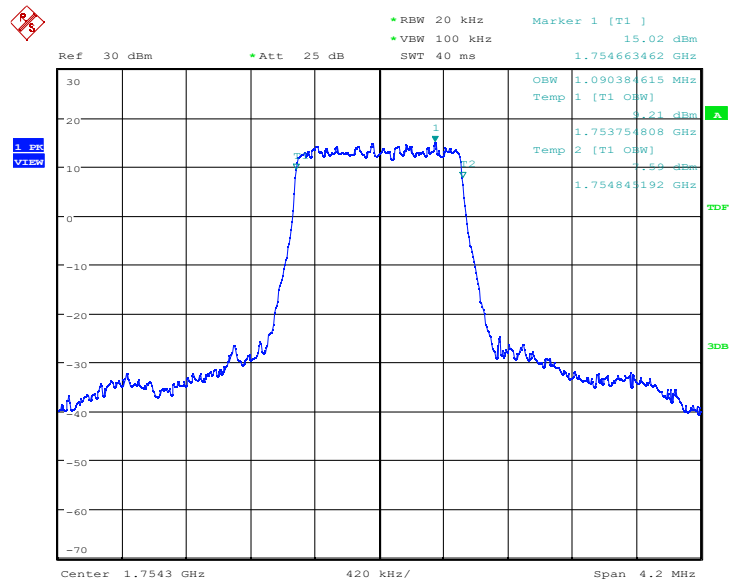
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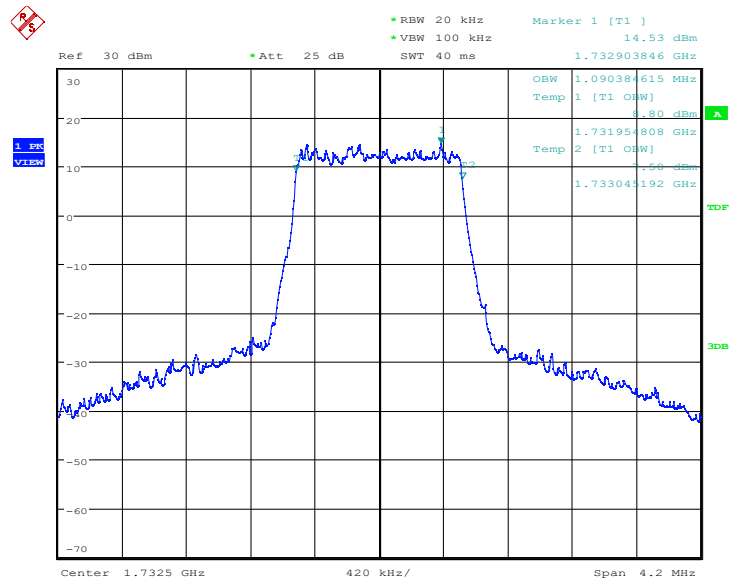
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Date: 18.NOV.2022 10:13:32

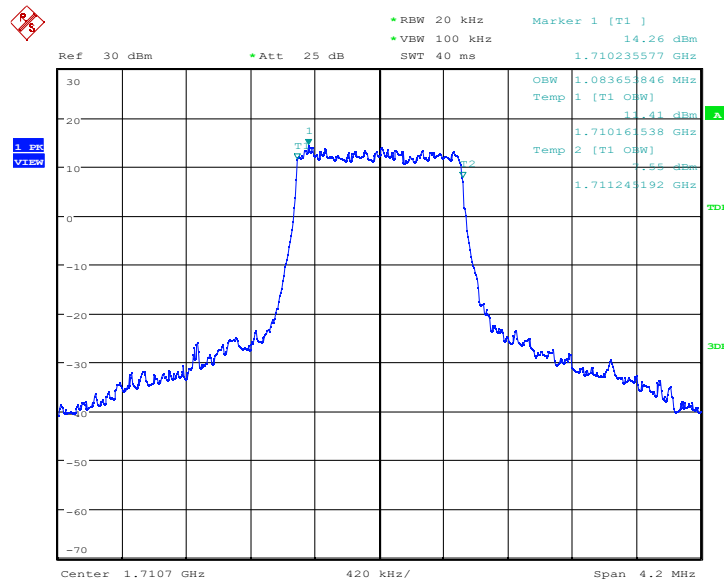
LTE band 4 , 1.4MHz Bandwidth,16QAM (99% BW)



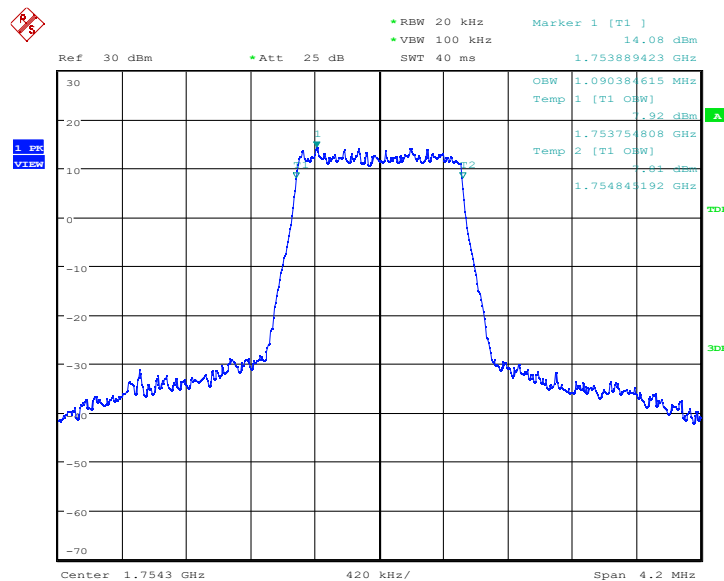
Date: 18.NOV.2022 10:13:04

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Date: 18.NOV.2022 10:12:12



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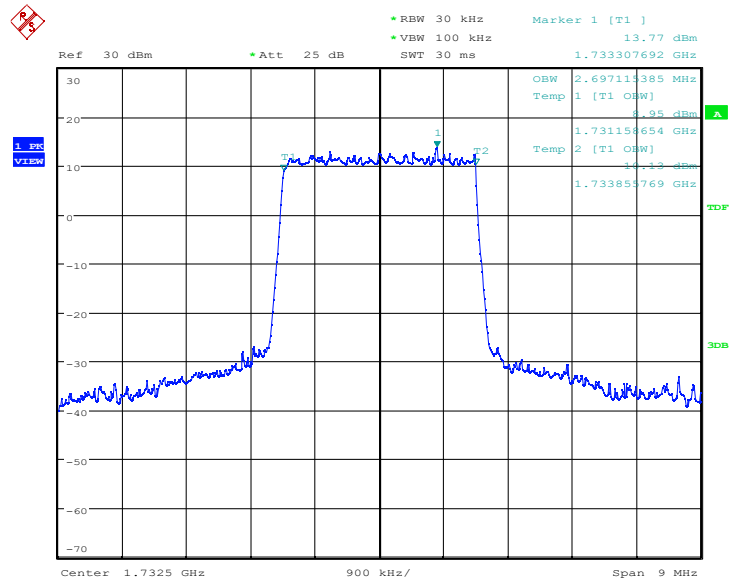
LTE band 4,3MHz(99%)

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

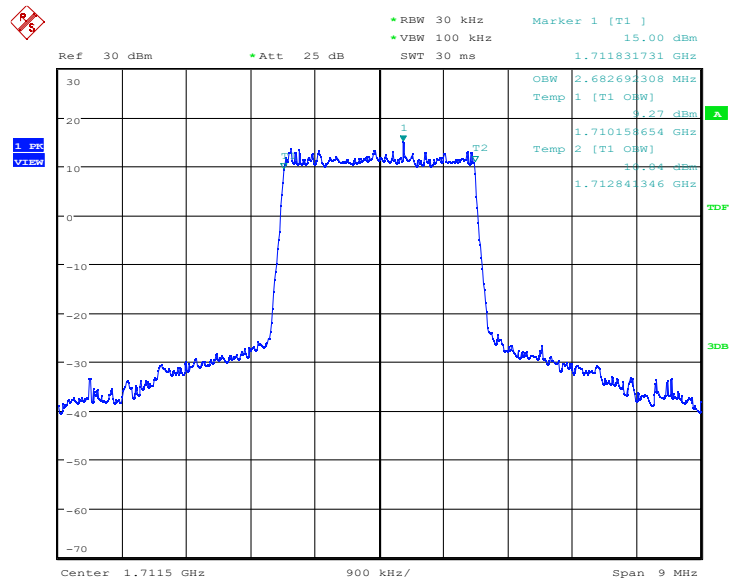
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LTE band 4 , 3MHz Bandwidth,QPSK (99% BW)



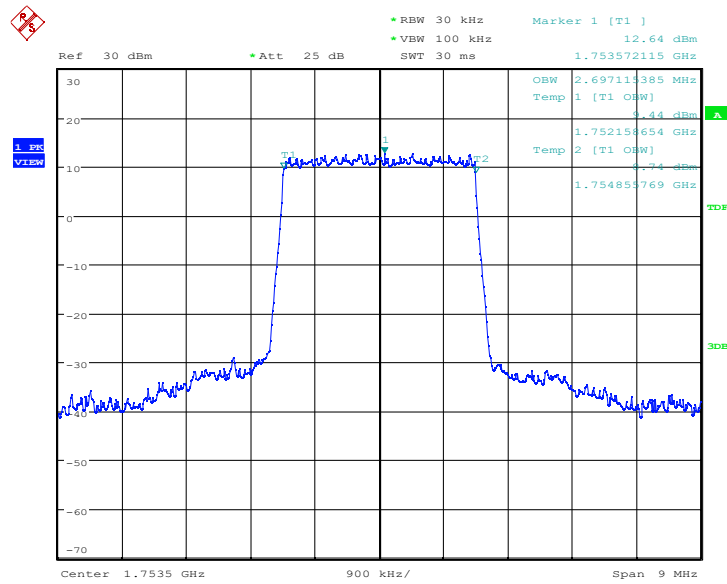
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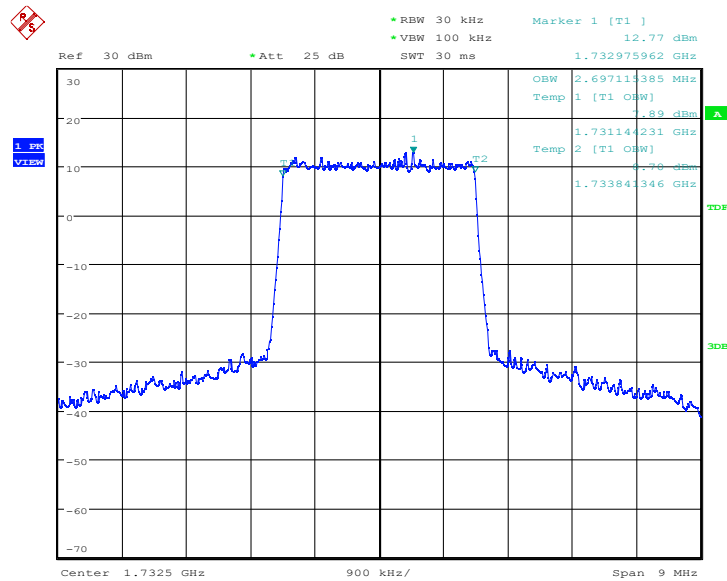
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Date: 18.NOV.2022 10:16:14

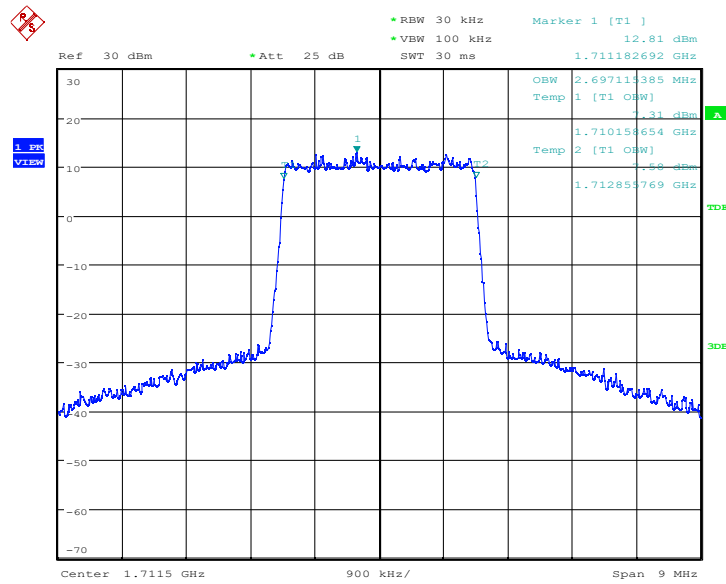
LTE band 4 , 3MHz Bandwidth,16QAM (99% BW)



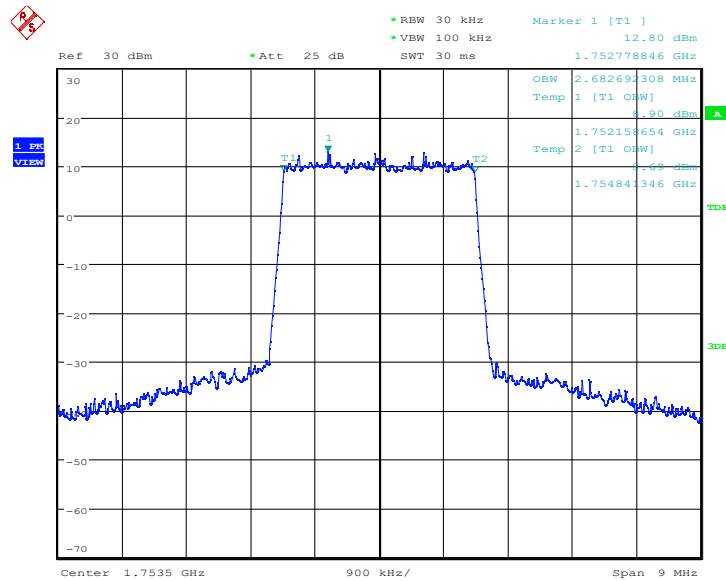
Date: 18.NOV.2022 10:15:50

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Date: 18.NOV.2022 10:14:59



Date: 18.NOV.2022 10:16:44

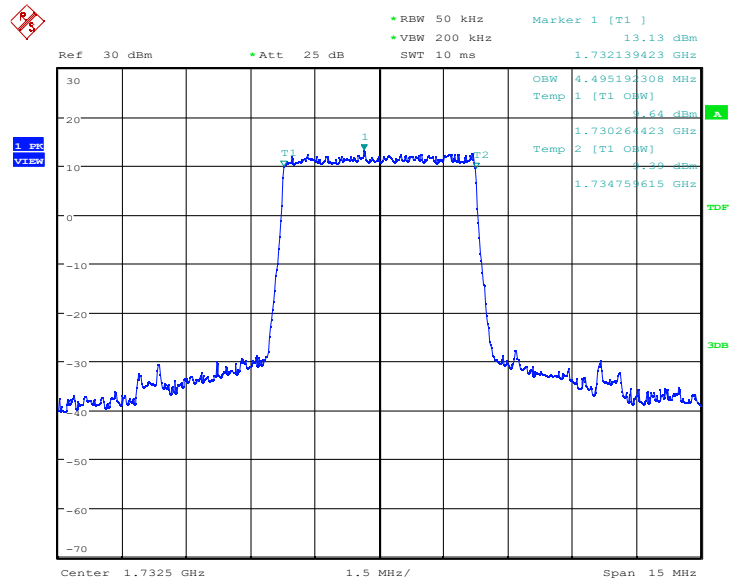
LTE band 4,5MHz(99%)

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

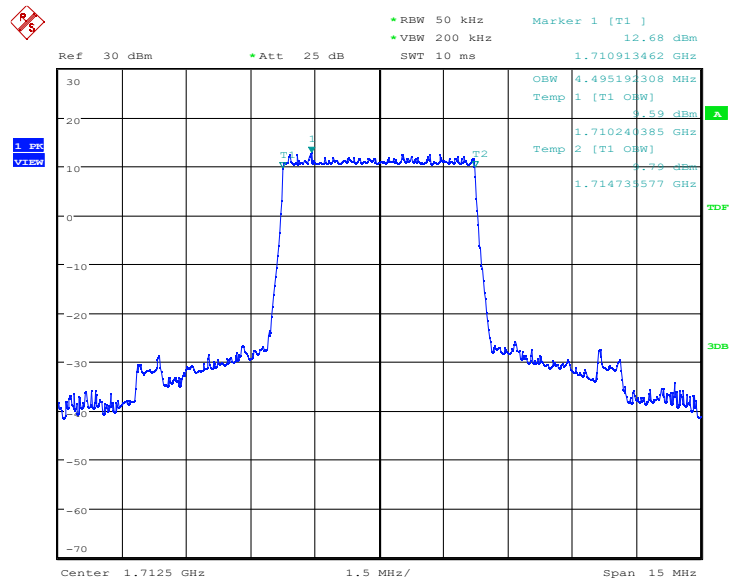
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LTE band 4 , 5MHz Bandwidth,QPSK (99% BW)



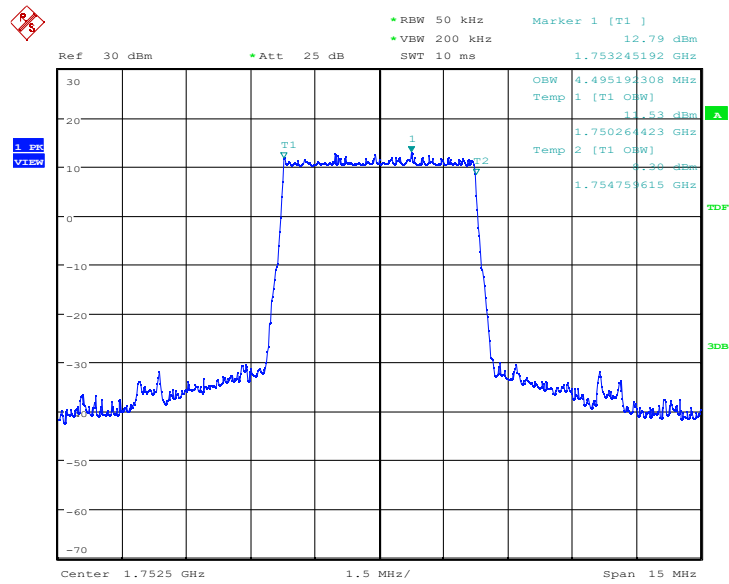
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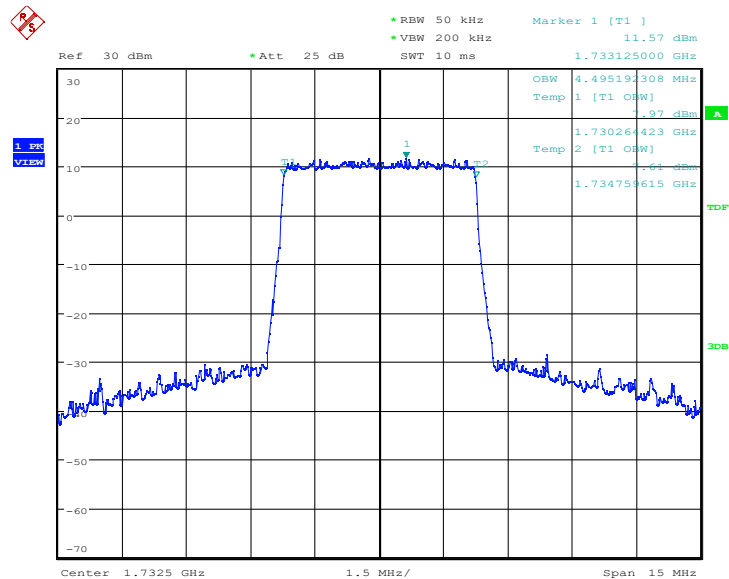
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Date: 18.NOV.2022 10:19:00

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

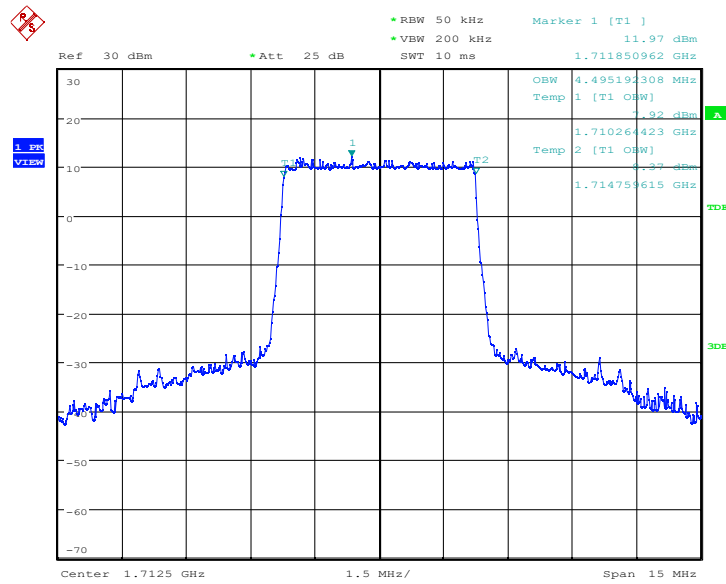


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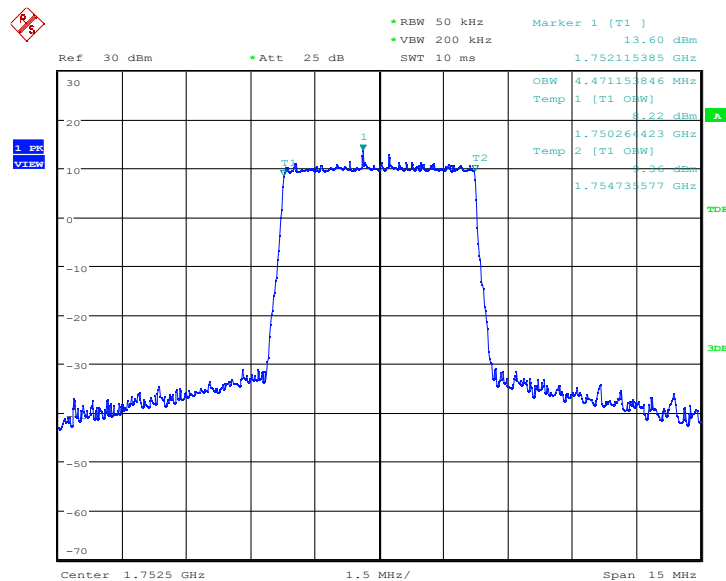
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Report No.: I22W00078-LTE-RF-FCC-Rev3



Date: 18.NOV.2022 10:17:45



Date: 18.NOV.2022 10:19:27

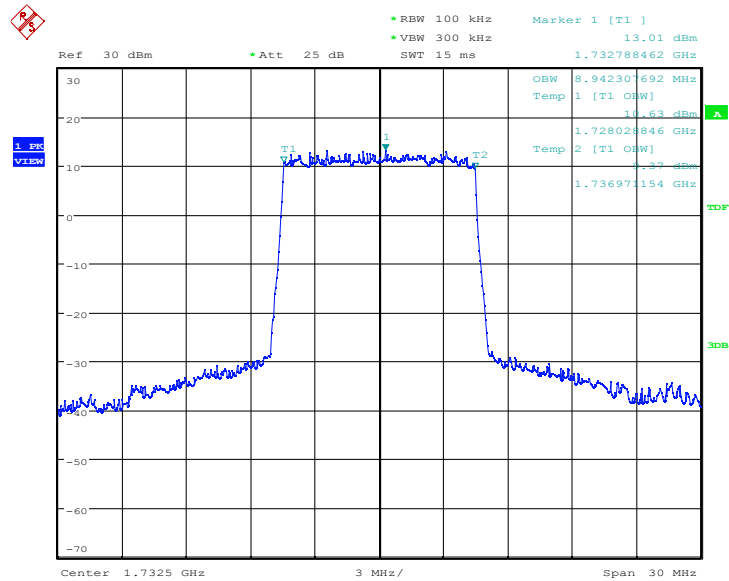
LTE band 4,10MHz(99%)

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

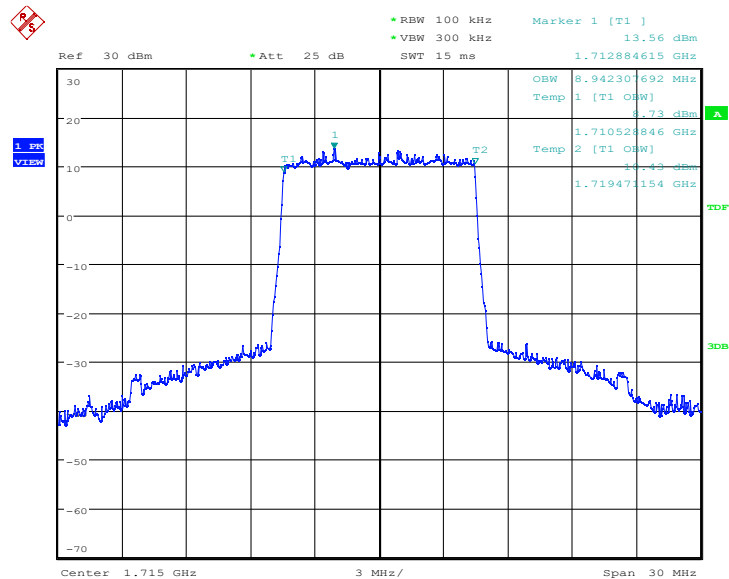
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LTE band 4 , 10MHz Bandwidth,QPSK (99% BW)



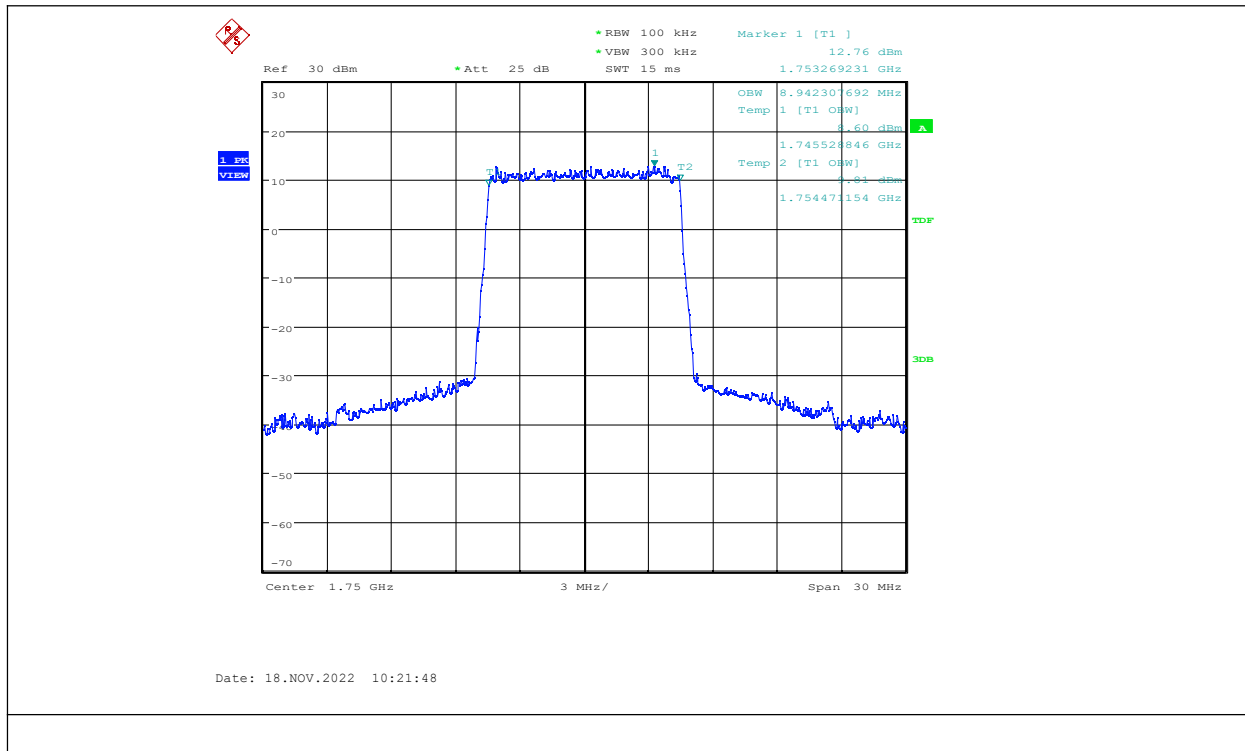
Date: 18.NOV.2022 10:20:53



Date: 18.NOV.2022 10:19:57

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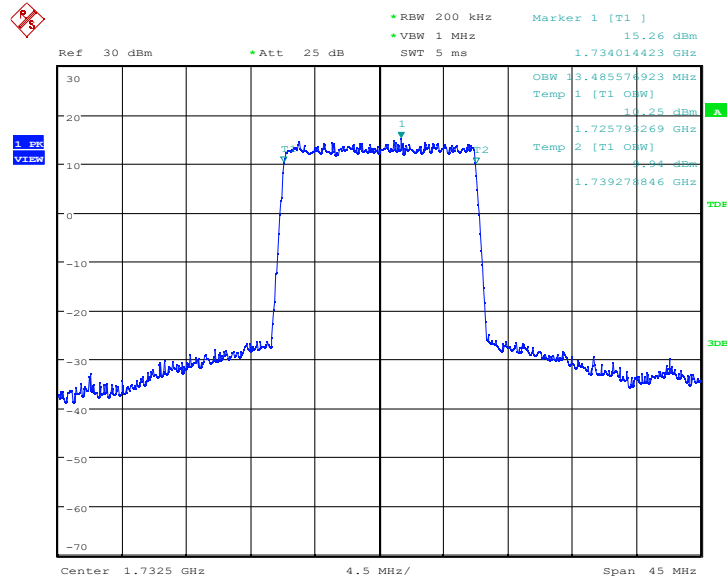


LTE band 4,15MHz(99%)

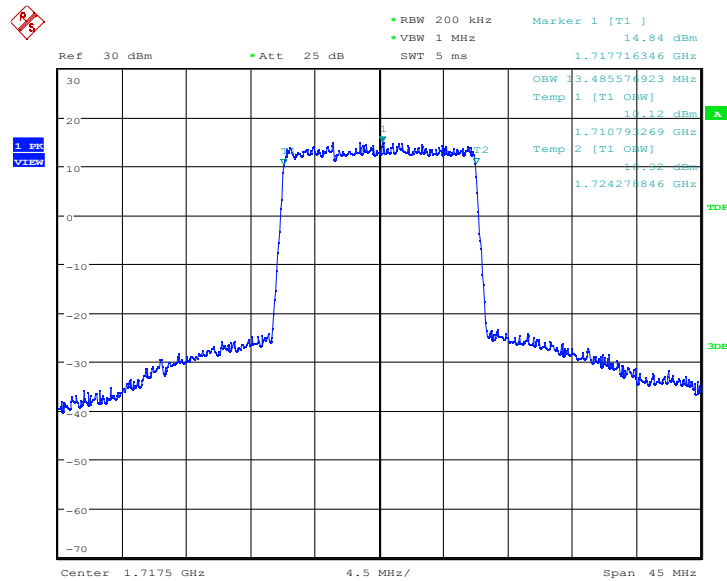
Frequency (MHz)	Occupied Bandwidth (99%)(MHz)
	QPSK
1717.5	13.486
1732.5	13.486
1747.5	13.486
LTE band 4 , 15MHz Bandwidth,QPSK (99% BW)	

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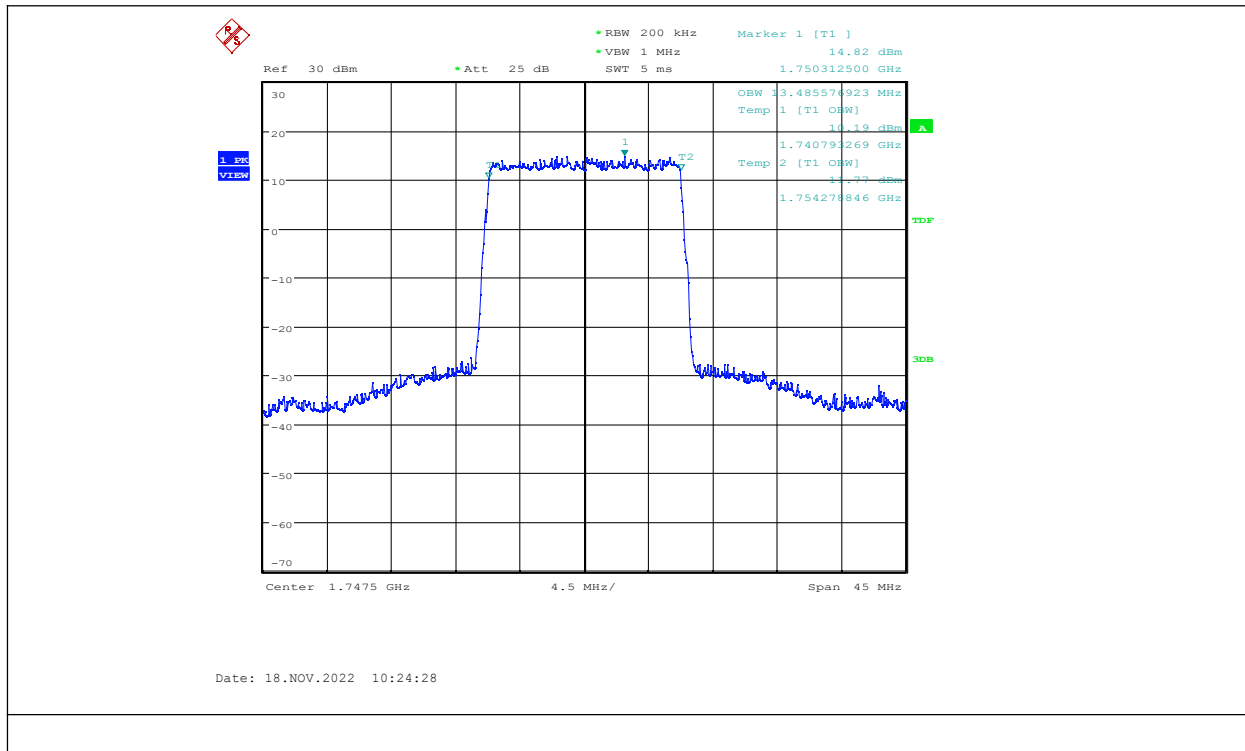
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Date: 18.NOV.2022 10:22:49

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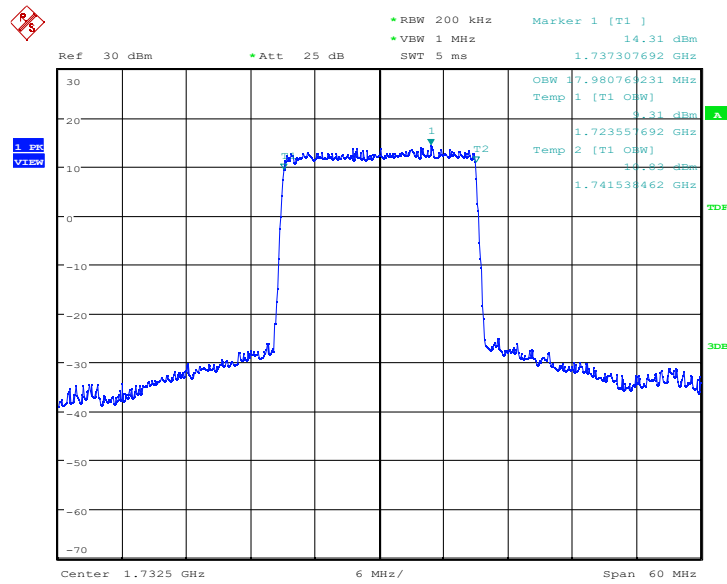


LTE band 4,20MHz(99%)

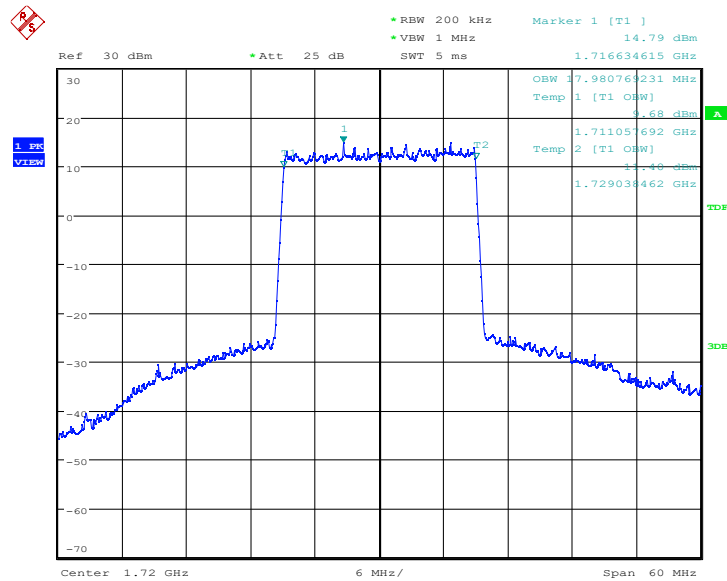
Frequency (MHz)	Occupied Bandwidth (99%)(MHz)
	QPSK
1720	17.981
1732.5	17.981
1745	17.981
LTE band 4 , 20MHz Bandwidth,QPSK (99% BW)	

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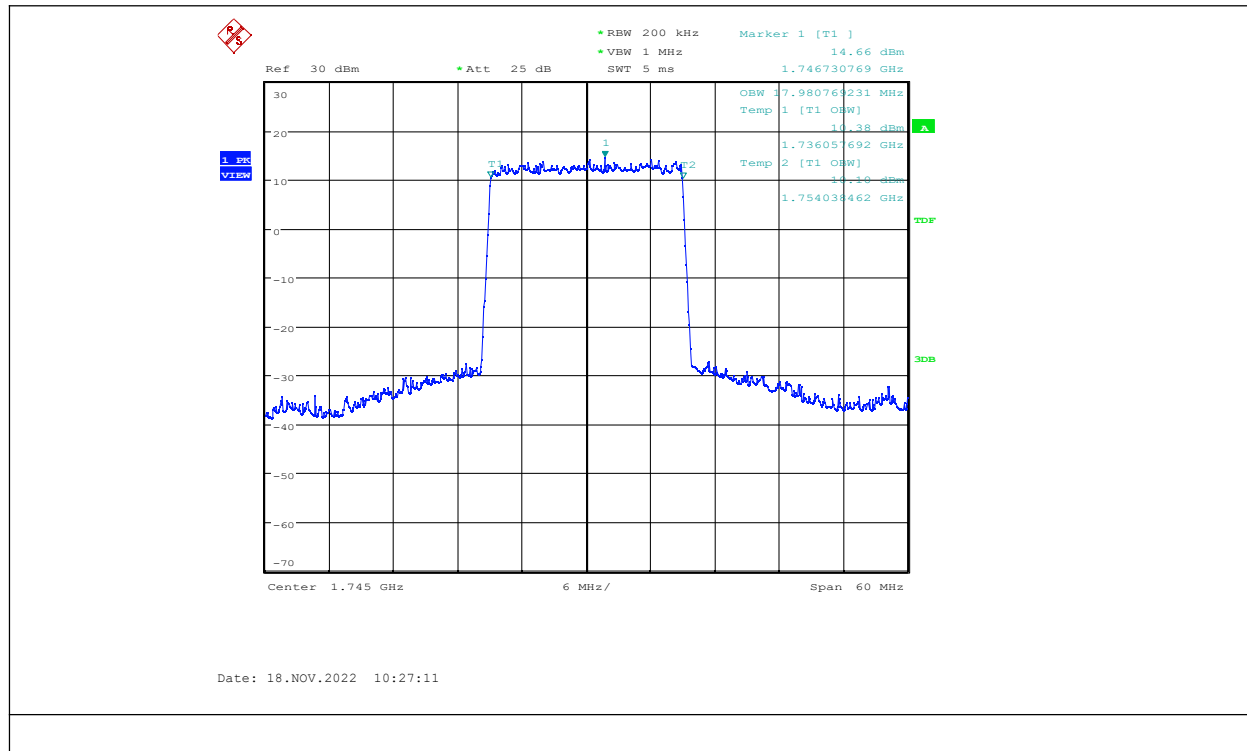
Date: 18.NOV.2022 10:26:19



Date: 18.NOV.2022 10:25:29

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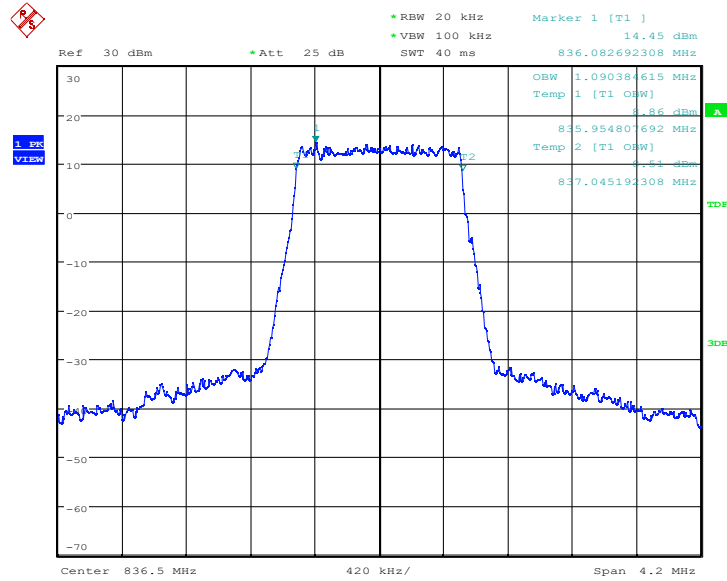


LTE band 5,1.4MHz(99%)

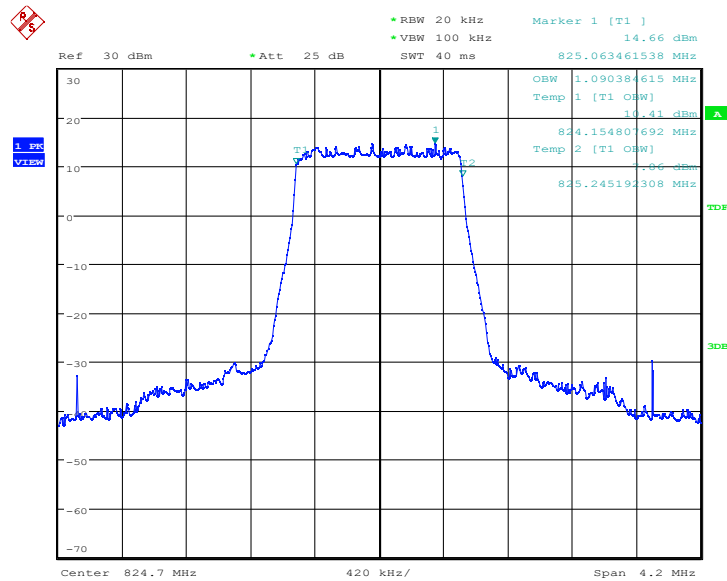
Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
824.7	1.090	1.090
836.5	1.090	1.090
848.3	1.097	1.090
LTE band 5 , 1.4MHz Bandwidth,QPSK (99% BW)		

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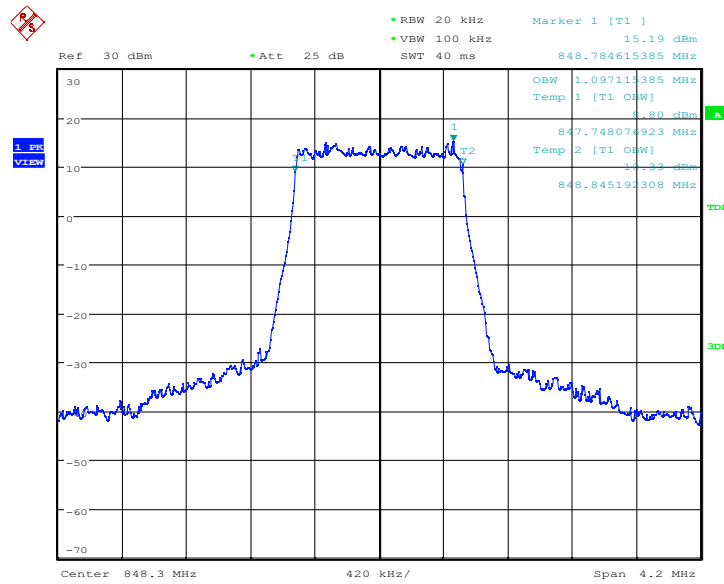
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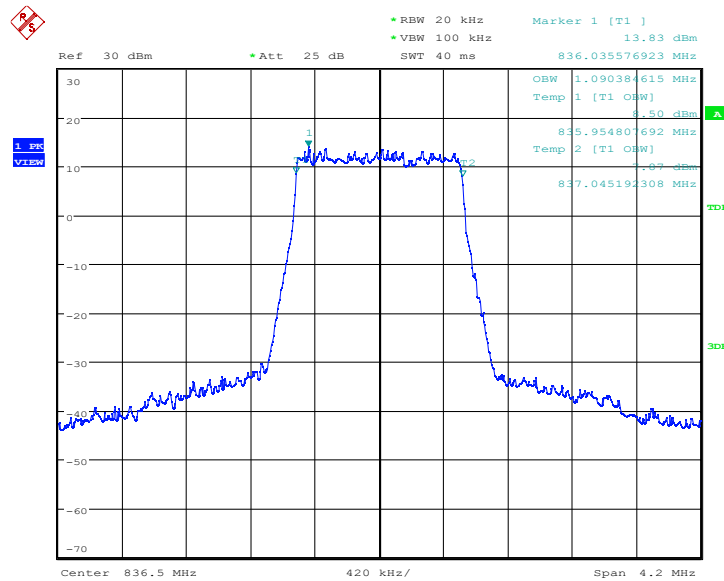
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Date: 18.NOV.2022 10:30:33

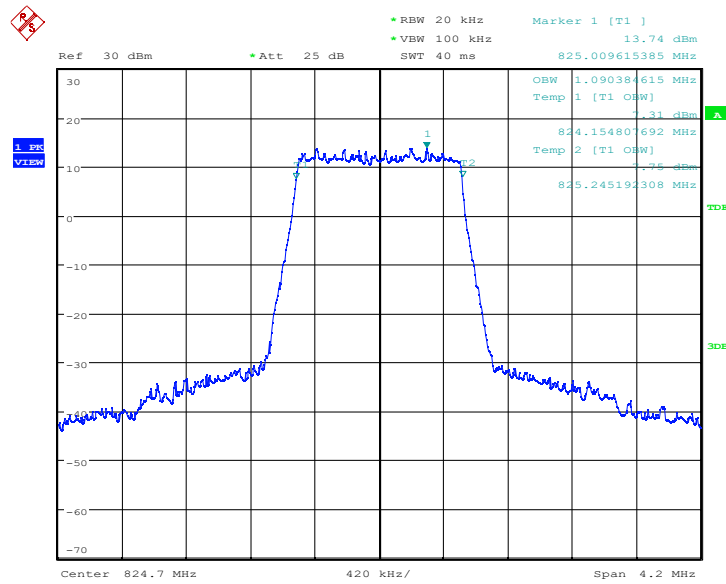
LTE band 5 , 1.4MHz Bandwidth,16QAM (99% BW)



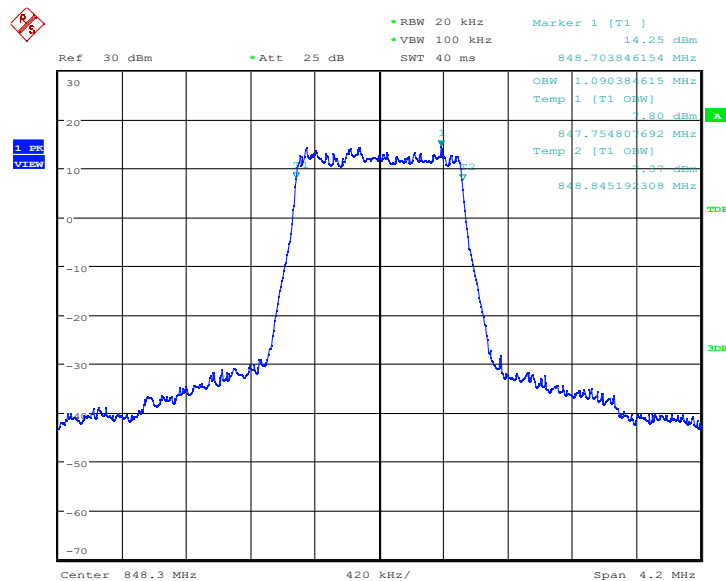
Date: 18.NOV.2022 10:30:07

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Date: 18.NOV.2022 10:29:19



Date: 18.NOV.2022 10:30:55

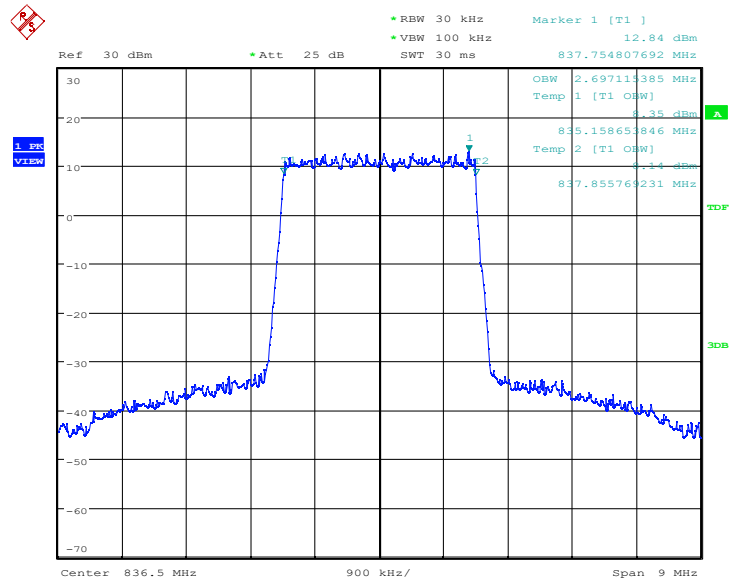
LTE band 5,3MHz(99%)

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

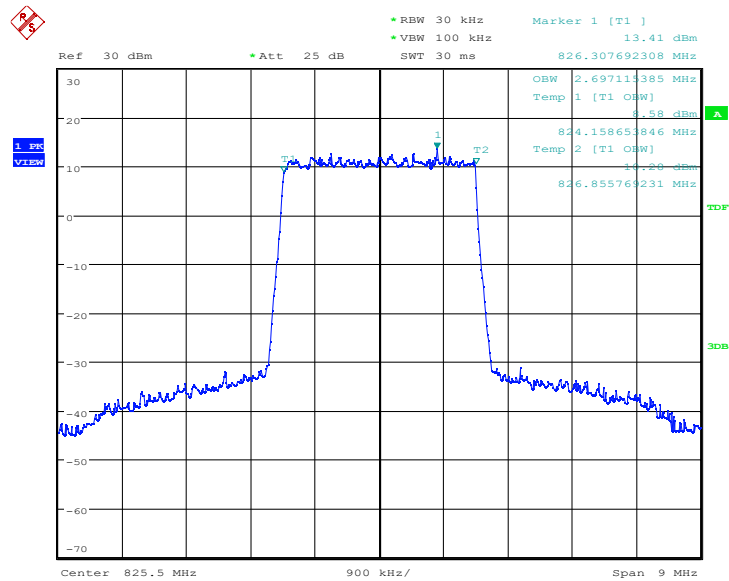
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LTE band 5 , 3MHz Bandwidth,QPSK (99% BW)



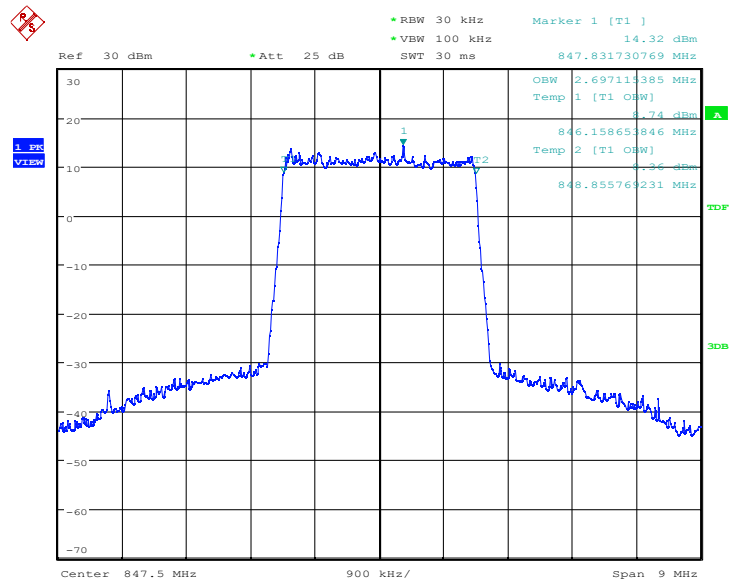
Date: 18.NOV.2022 10:32:19



Date: 18.NOV.2022 10:31:27

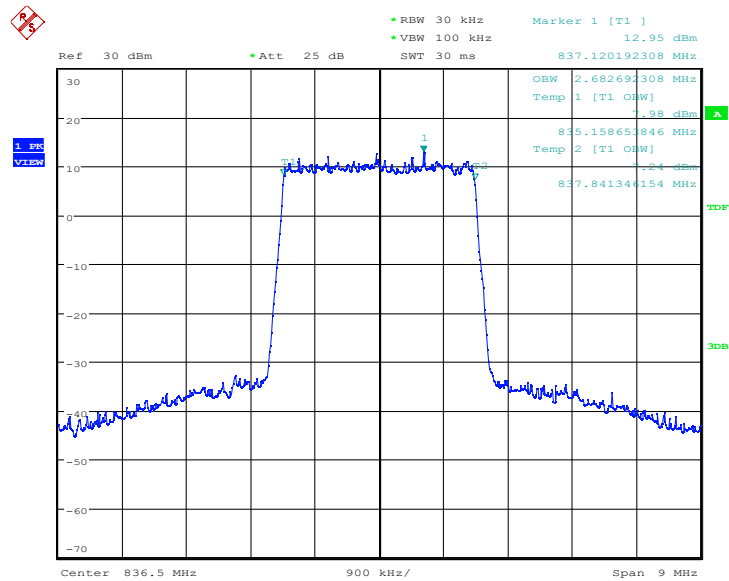
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Date: 18.NOV.2022 10:33:12

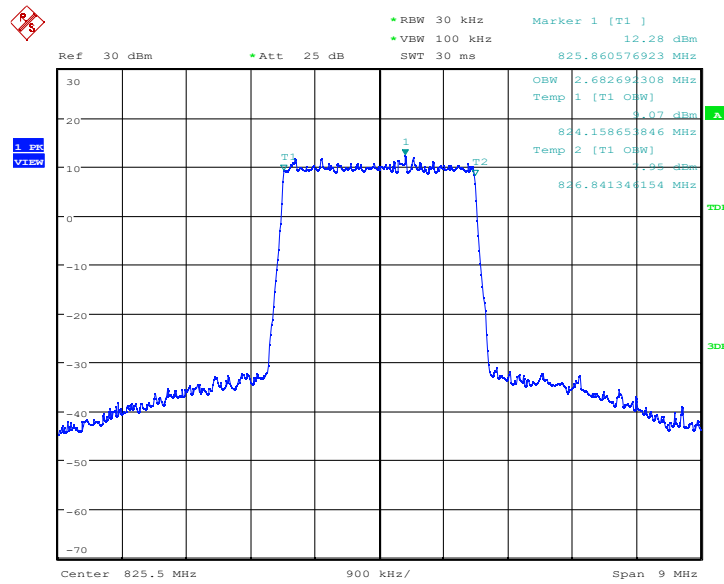
LTE band 5 , 3MHz Bandwidth,16QAM (99% BW)



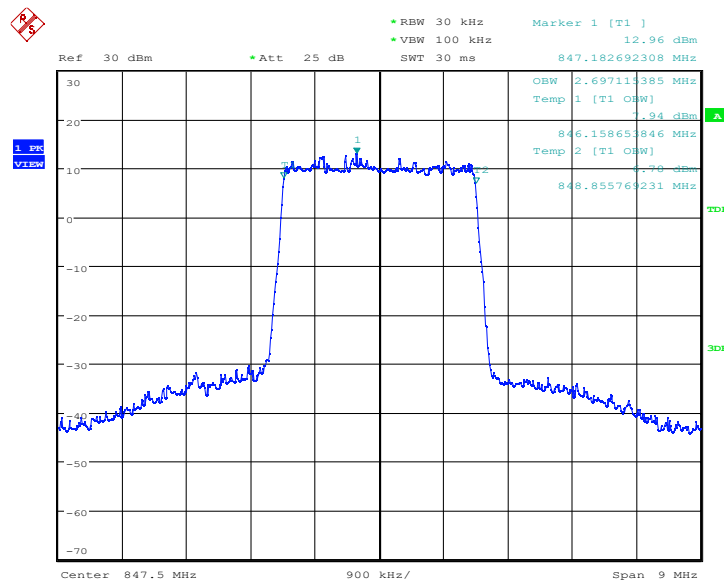
Date: 18.NOV.2022 10:32:45

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Date: 18.NOV.2022 10:31:53



Date: 18.NOV.2022 10:33:33

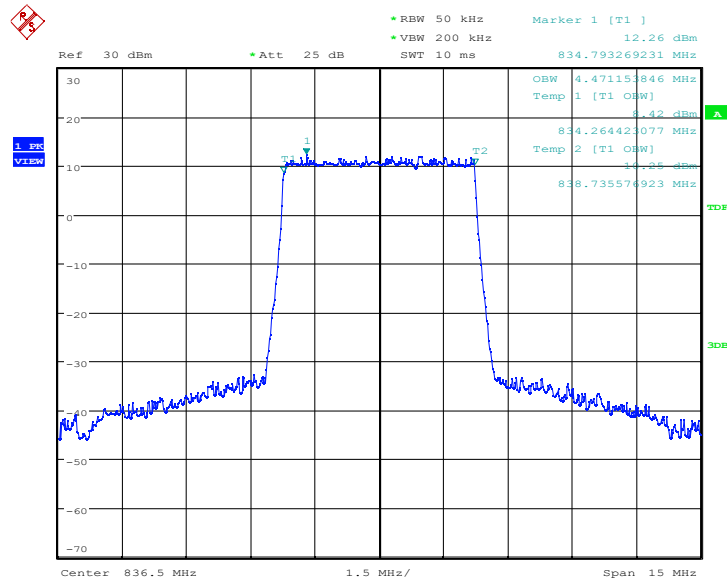
LTE band 5,5MHz(99%)

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

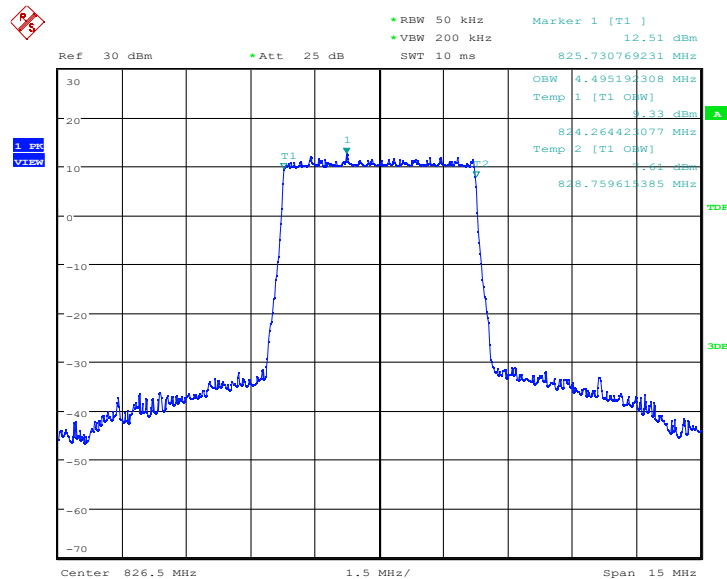
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LTE band 5 , 5MHz Bandwidth,QPSK (99% BW)



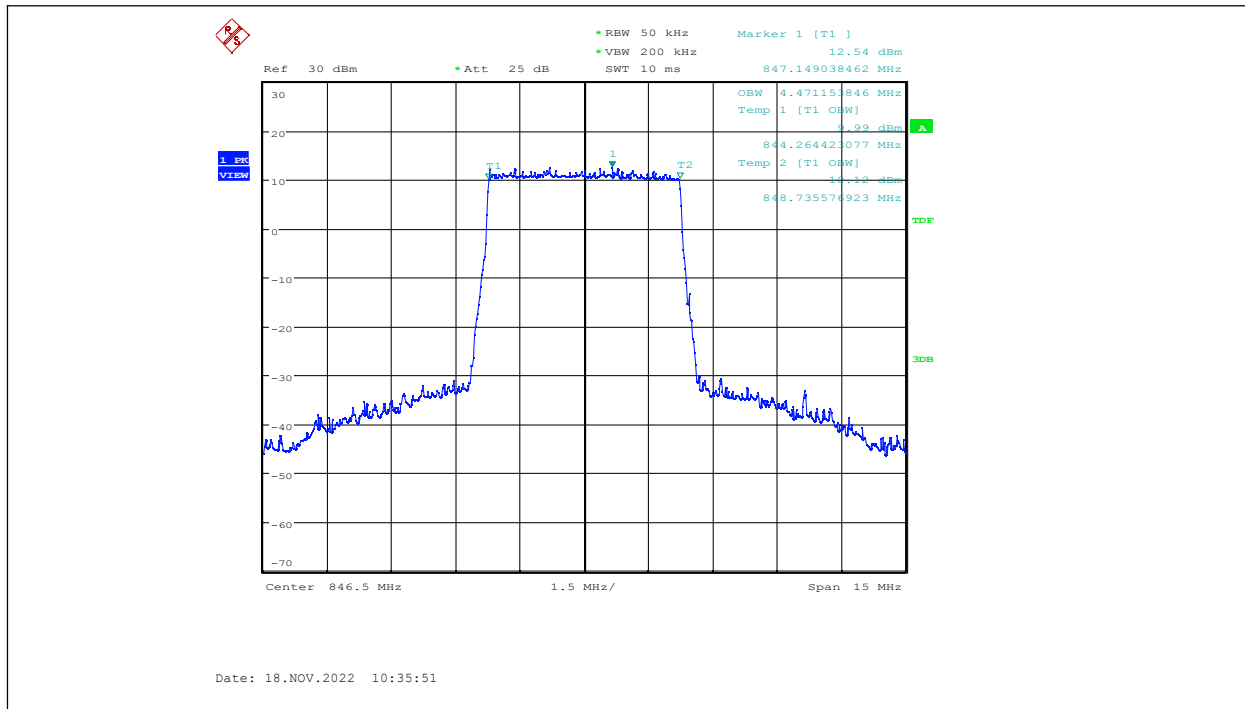
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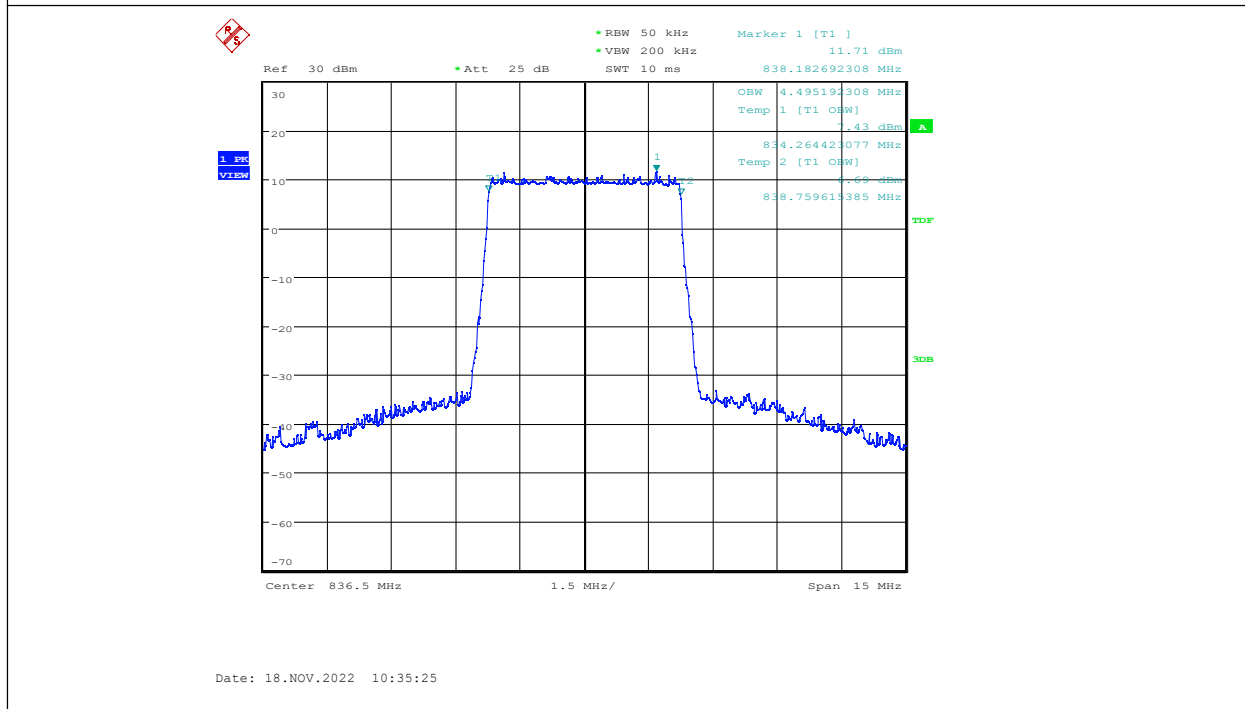
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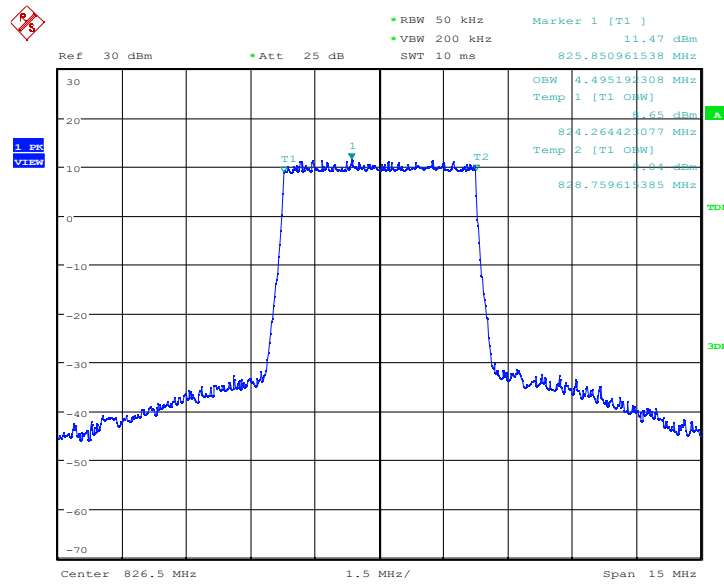


LTE band 5 , 5MHz Bandwidth,16QAM (99% BW)

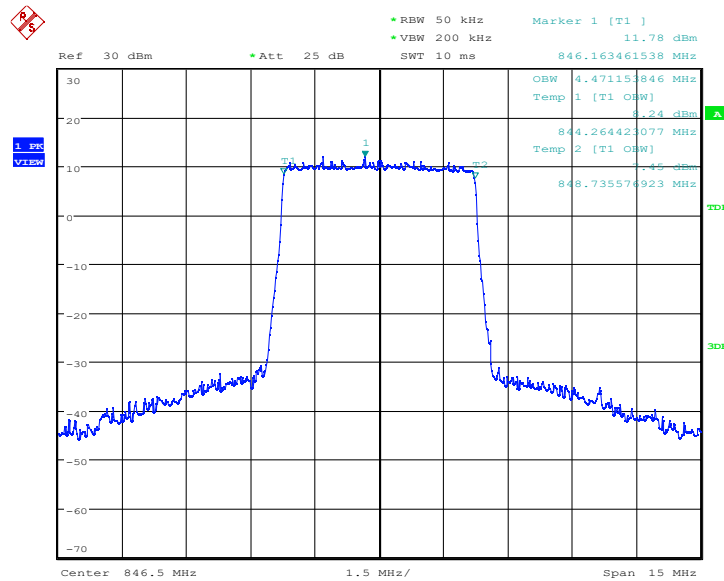


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Date: 18.NOV.2022 10:34:33



Date: 18.NOV.2022 10:36:17

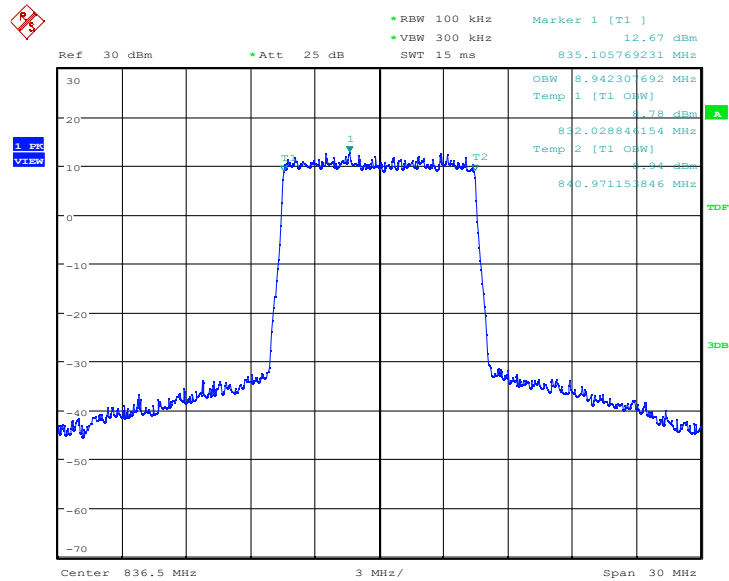
LTE band 5,10MHz(99%)

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

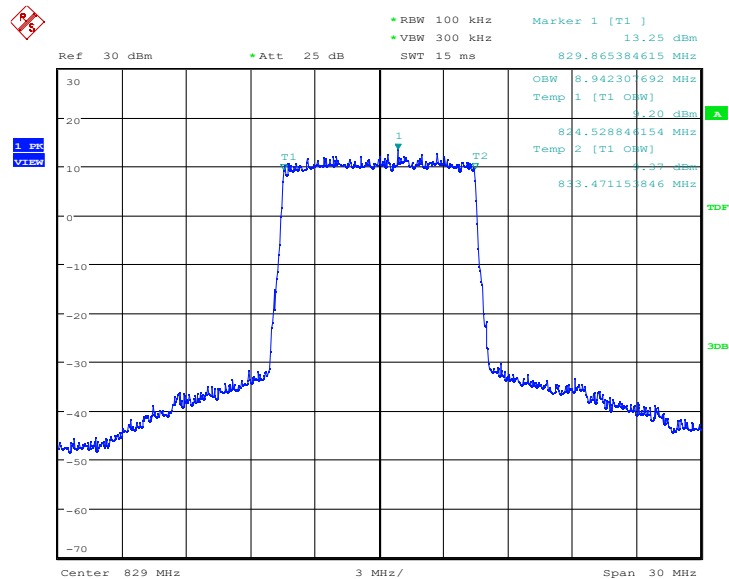
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LTE band 5 , 10MHz Bandwidth,QPSK (99% BW)



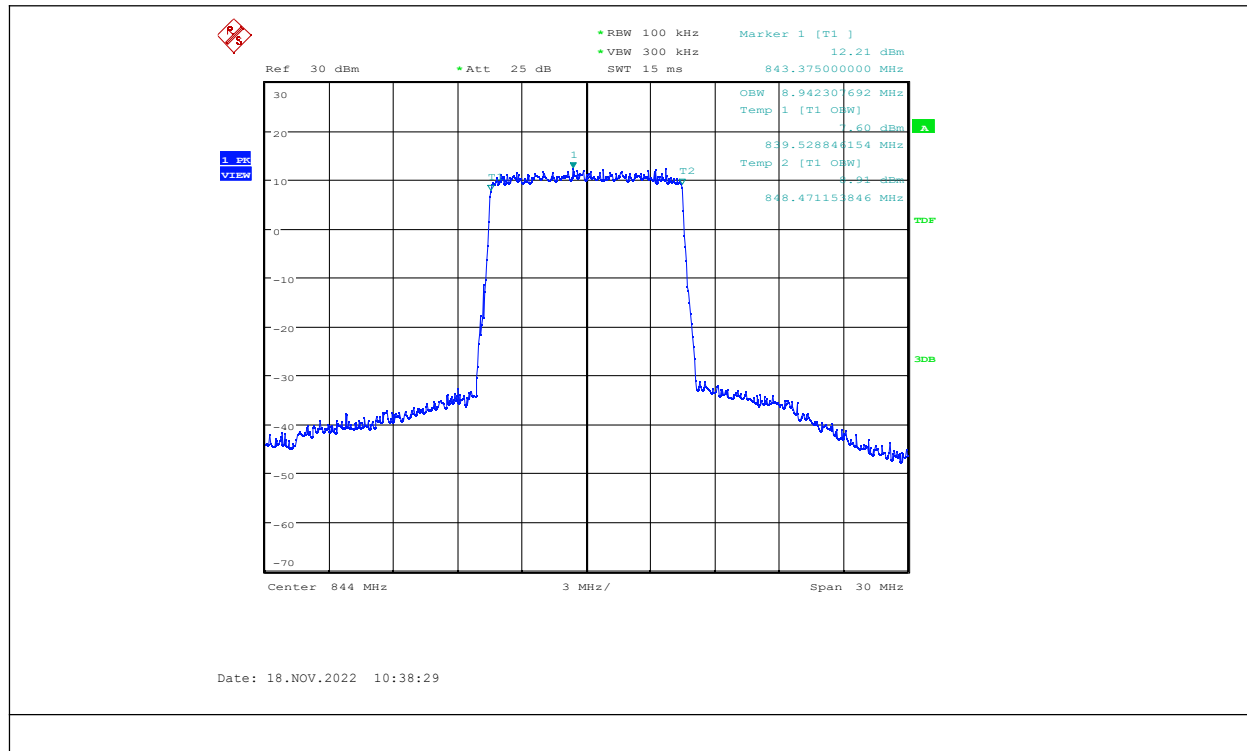
Date: 18.NOV.2022 10:37:39



Date: 18.NOV.2022 10:36:55

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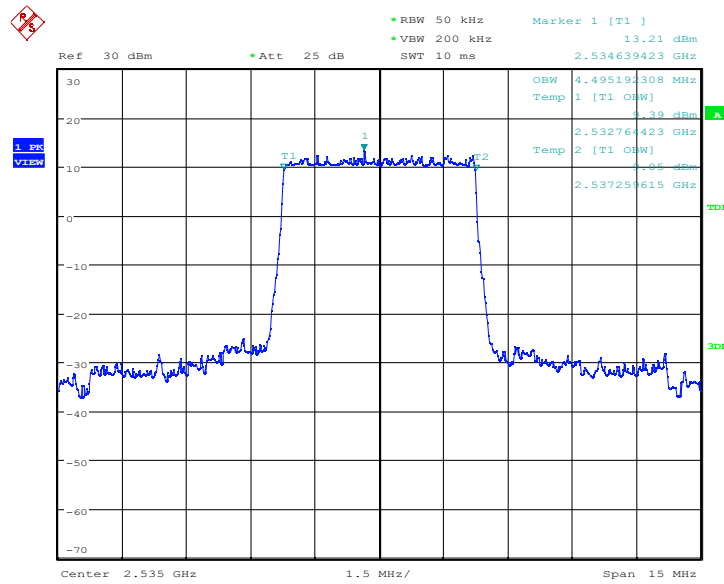
LTE band 7,5MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
2502.5	4.495	4.495
2535	4.495	4.495
2567.5	4.495	4.495
LTE band 7 , 5MHz Bandwidth,QPSK (99% BW)		

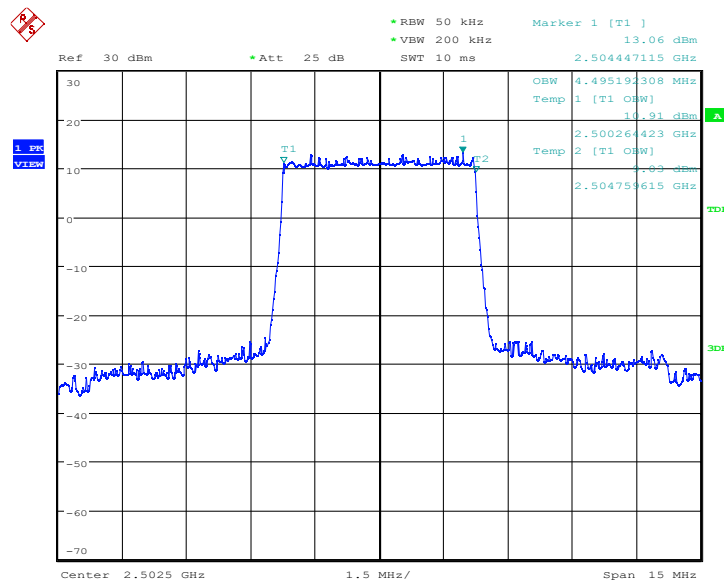
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Report No.: I22W00078-LTE-RF-FCC-Rev3



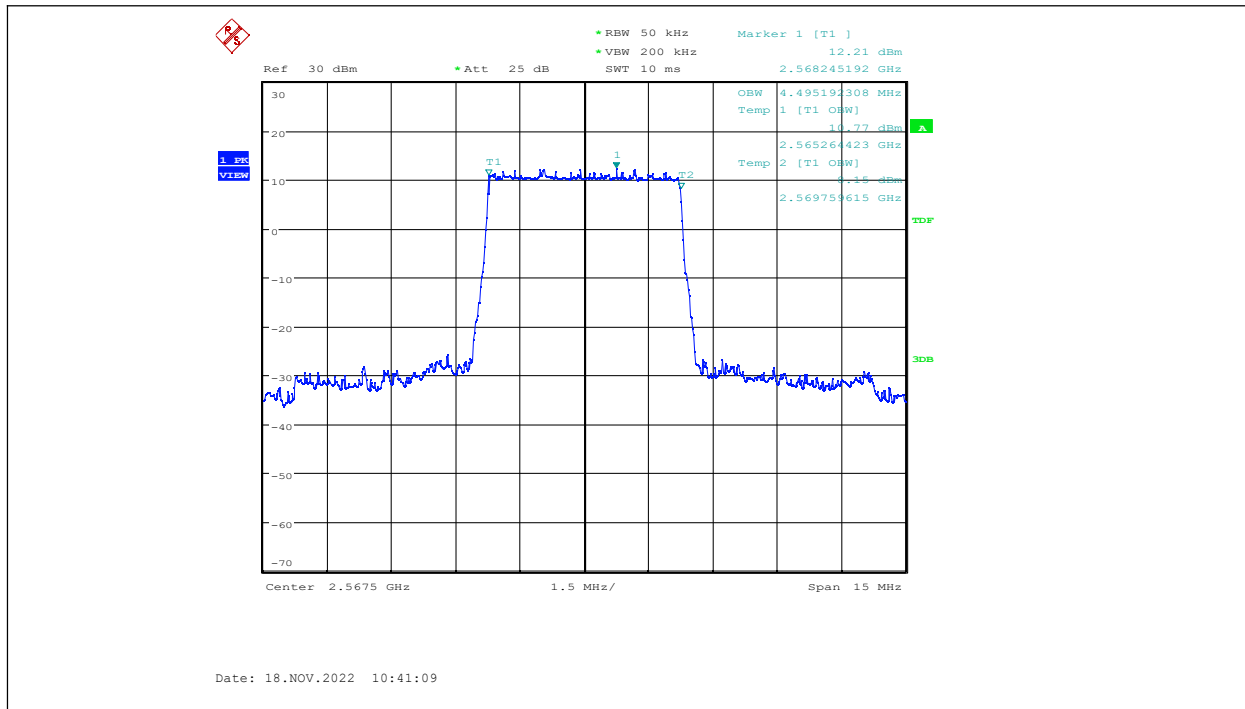
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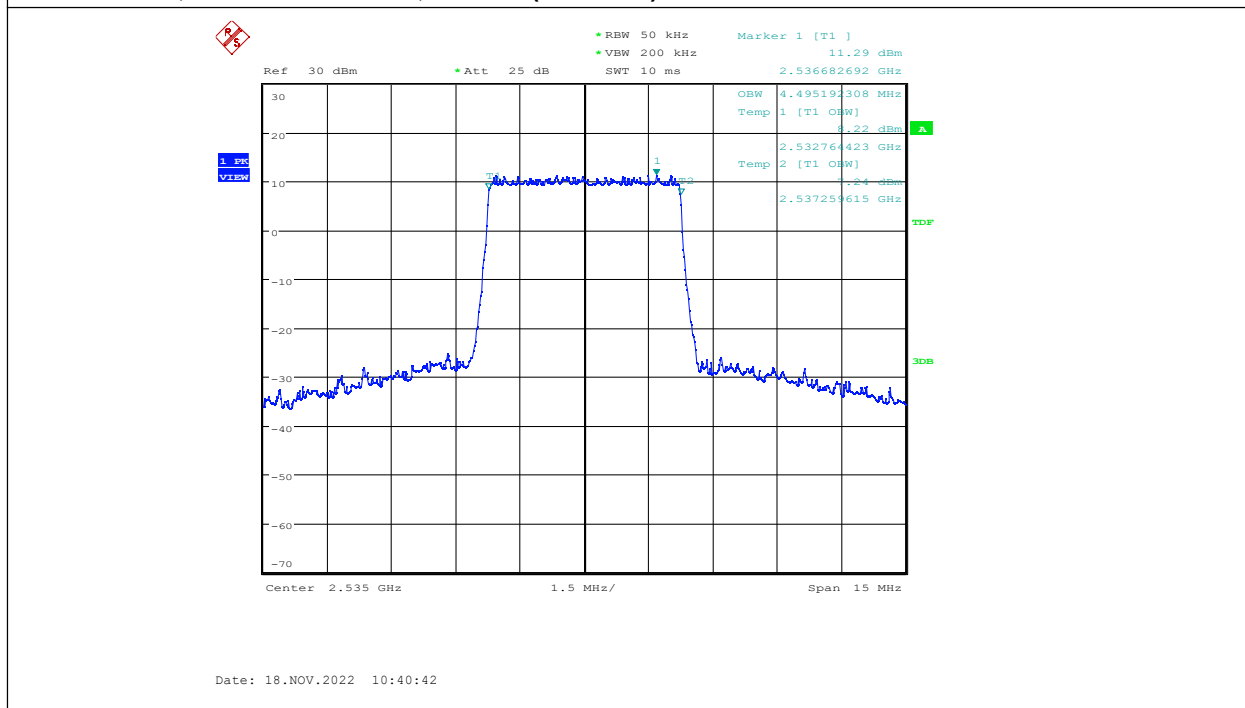
Date: 18.NOV.2022 10:39:32

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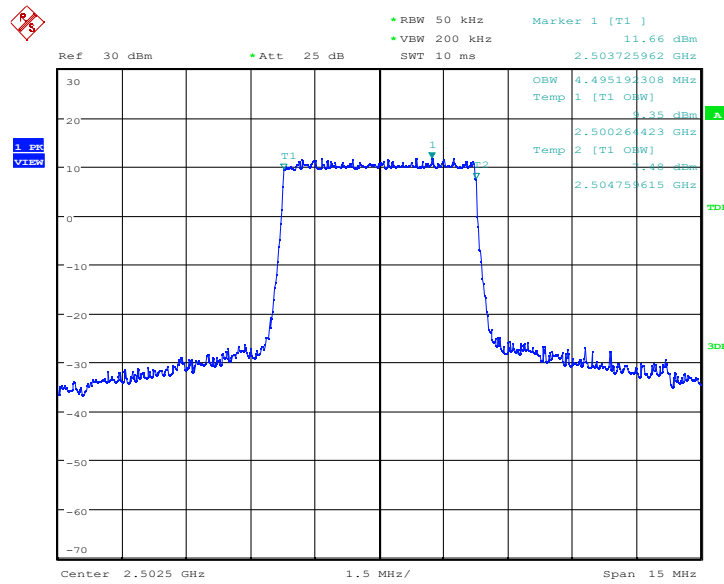
LTE band 7 , 5MHz Bandwidth,16QAM (99% BW)



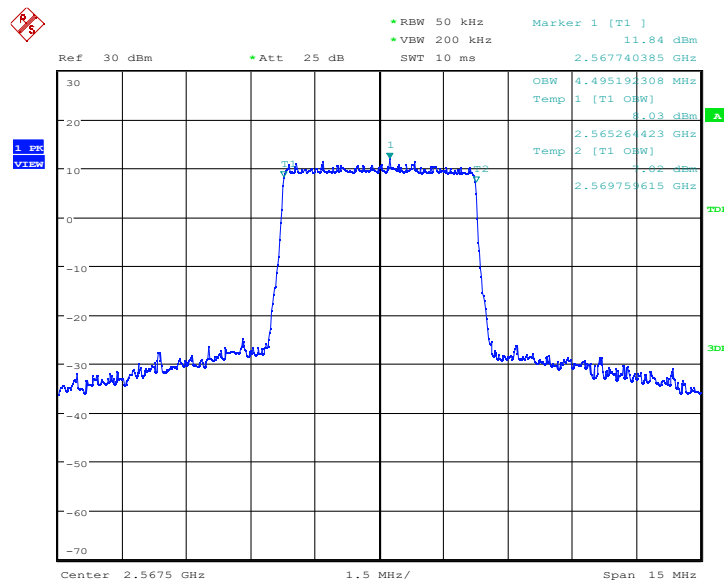
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Report No.: I22W00078-LTE-RF-FCC-Rev3



Date: 18.NOV.2022 10:39:55



Date: 18.NOV.2022 10:41:35

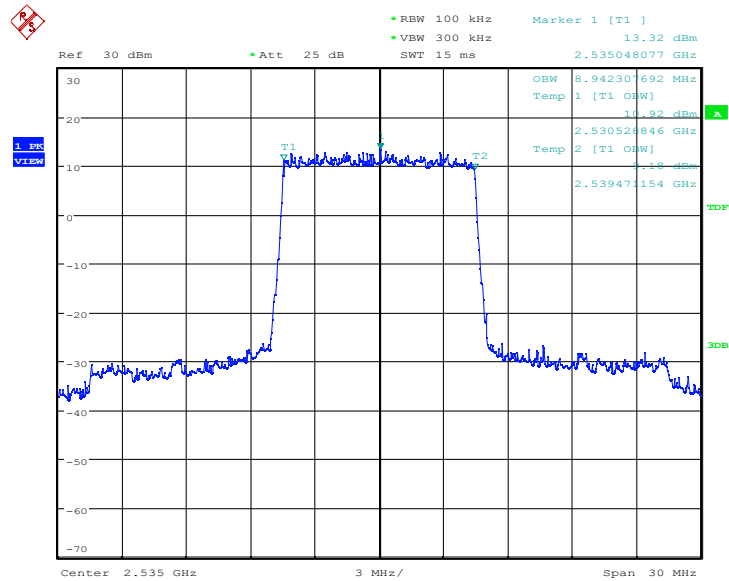
LTE band 7,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)
	QPSK
2505	8.942
2535	8.942
2565	8.942

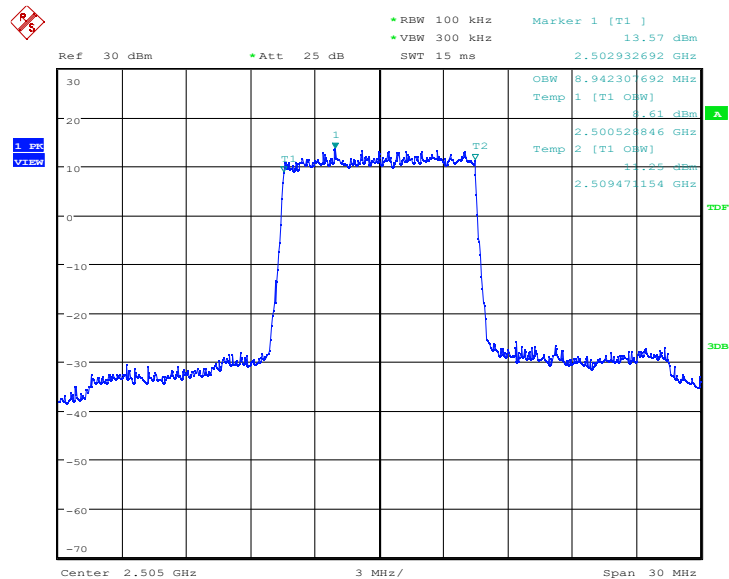
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LTE band 7 , 10MHz Bandwidth,QPSK (99% BW)



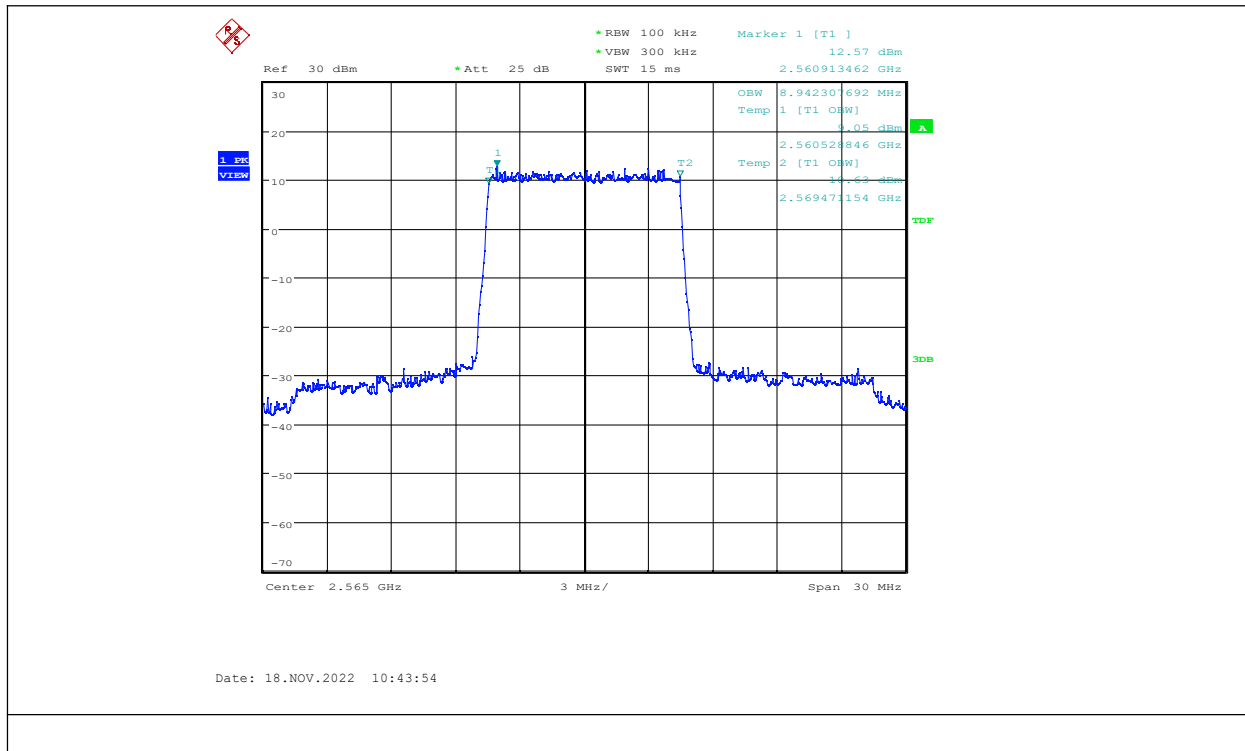
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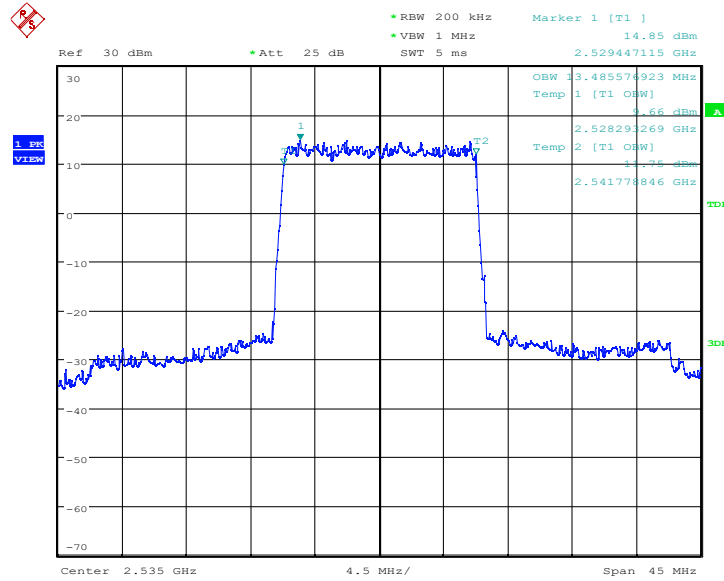
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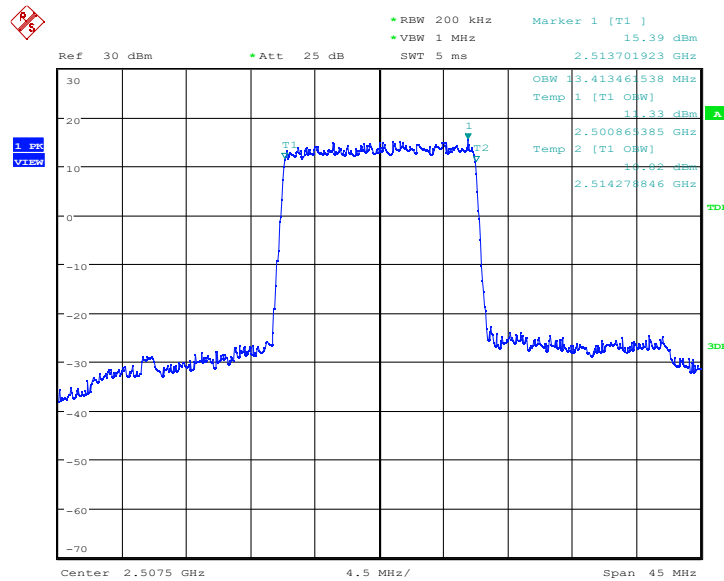


LTE band 7,15MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)
	QPSK
2507.5	13.413
2535	13.486
2562.5	13.486
LTE band 7 , 15MHz Bandwidth,QPSK (99% BW)	



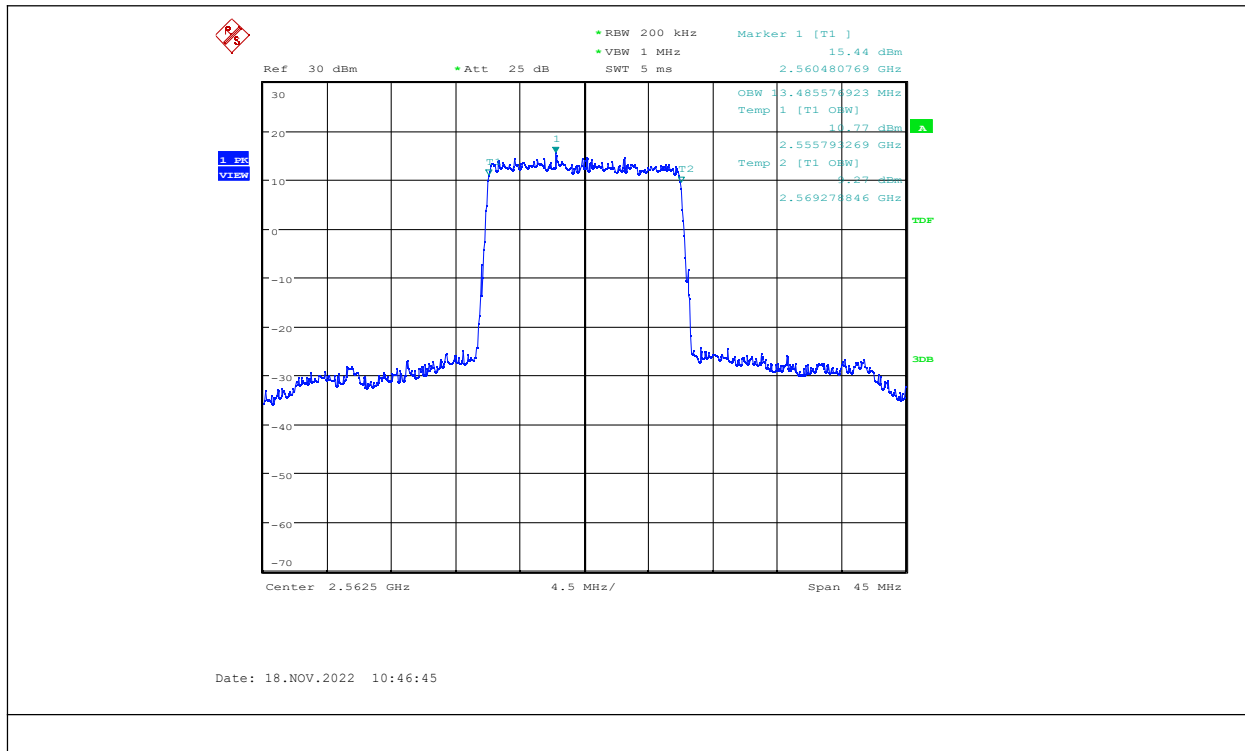
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Date: 18.NOV.2022 10:45:00

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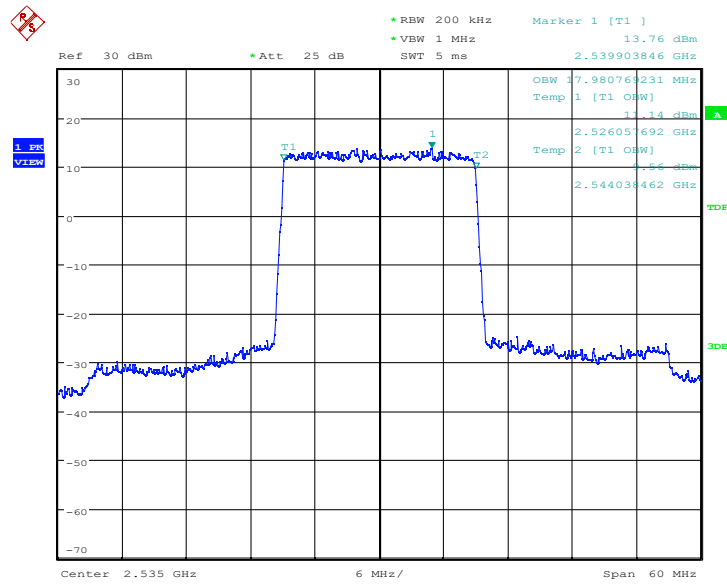


LTE band 7,20MHz(99%)

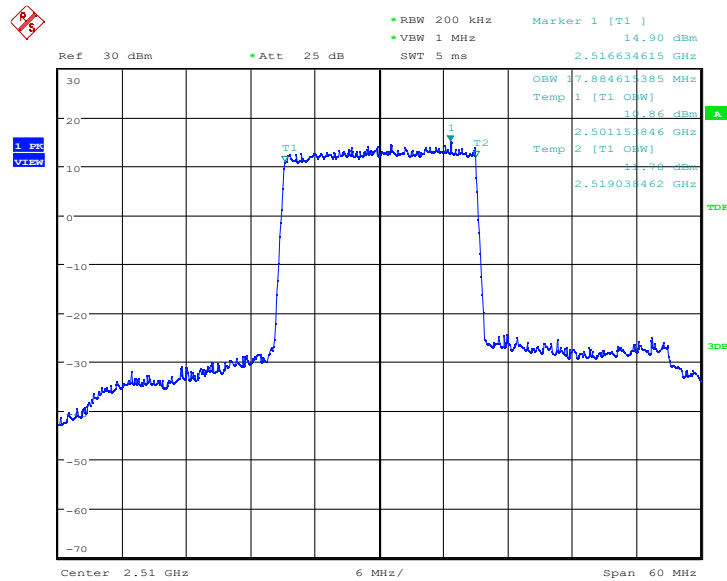
Frequency (MHz)	Occupied Bandwidth (99%)(MHz)
	QPSK
2510	17.885
2535	17.981
2560	17.981
LTE band 7 , 20MHz Bandwidth,QPSK (99% BW)	

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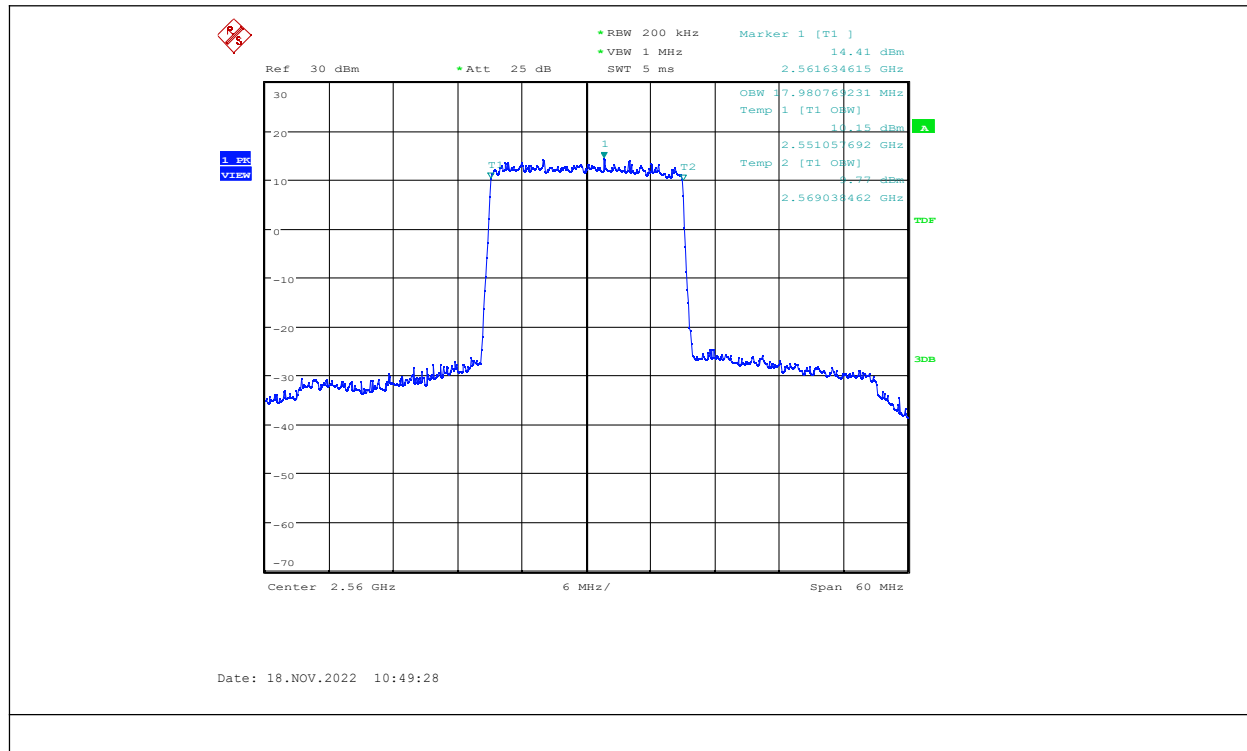
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Date: 18.NOV.2022 10:47:41

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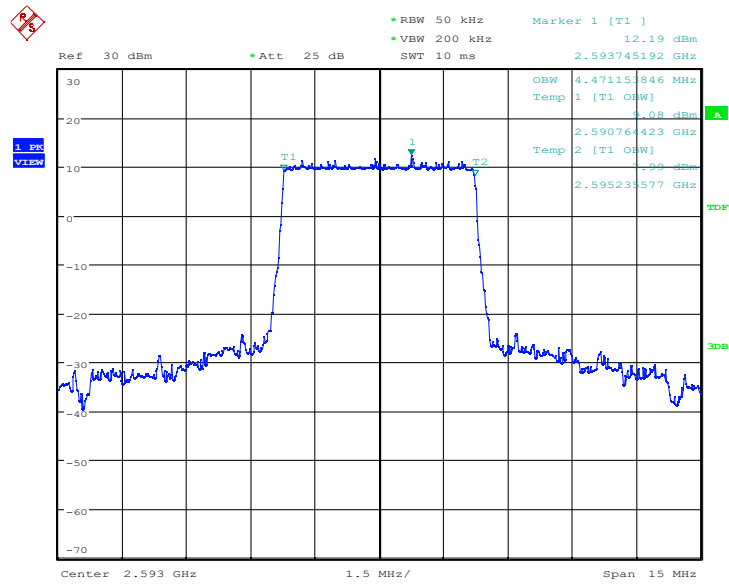


LTE band 41,5MHz(99%)

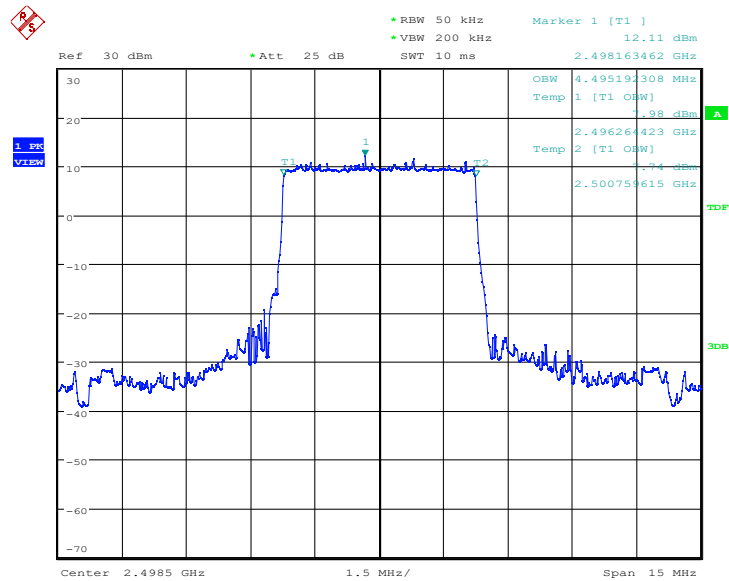
Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
2498.5	4.495	4.471
2593	4.471	4.471
2687.5	4.519	4.471
LTE band 41 , 5MHz Bandwidth,QPSK (99% BW)		

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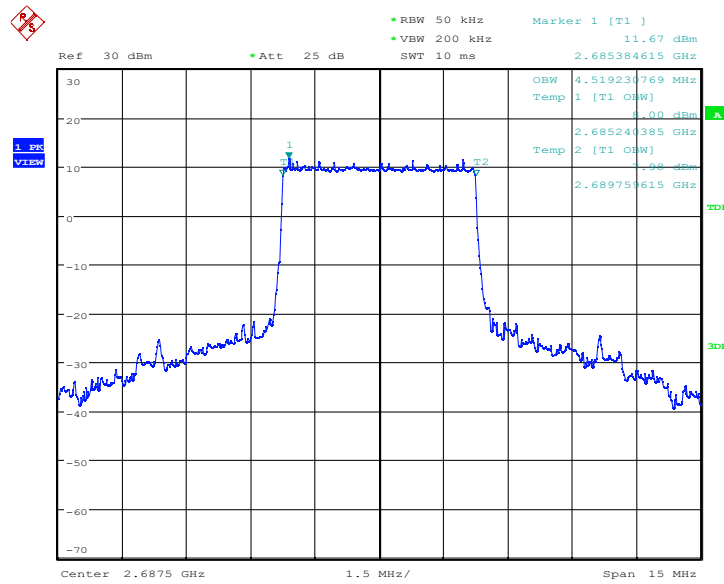
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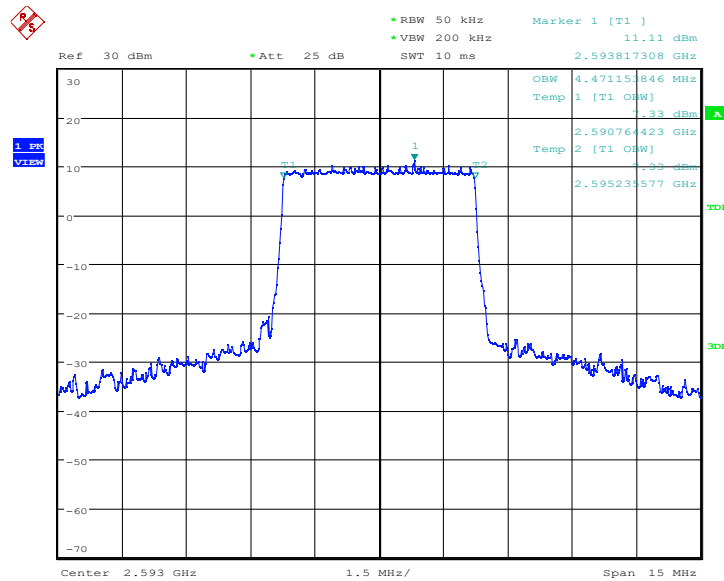
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Date: 18.NOV.2022 10:52:25

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

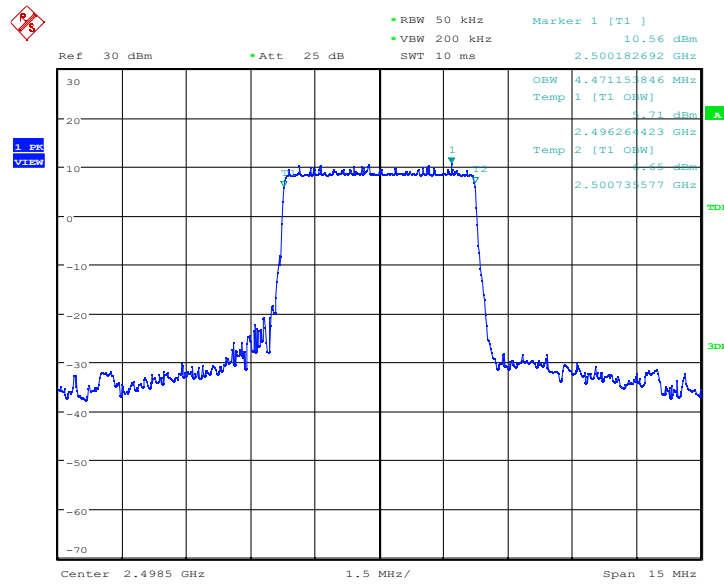


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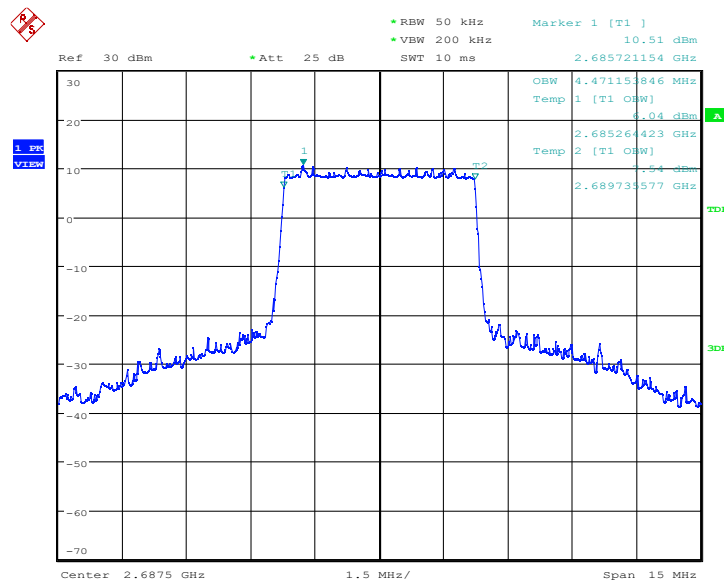
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Report No.: I22W00078-LTE-RF-FCC-Rev3



Date: 18.NOV.2022 10:51:03



Date: 18.NOV.2022 10:52:50

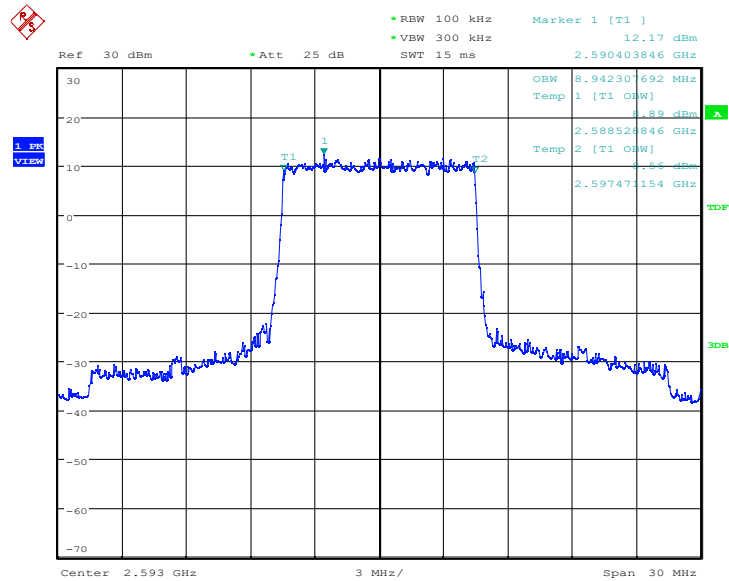
LTE band 41,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)
	QPSK
2501	8.990
2593	8.942
2685	8.942

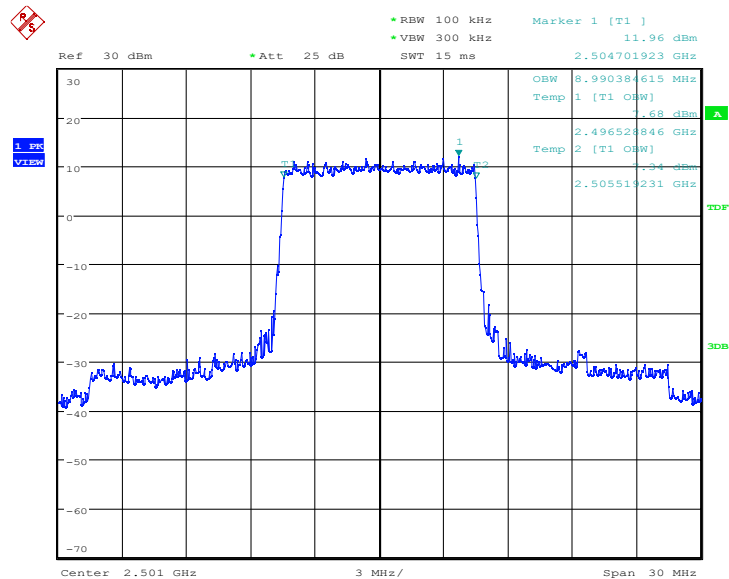
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LTE band 41 , 10MHz Bandwidth,QPSK (99% BW)



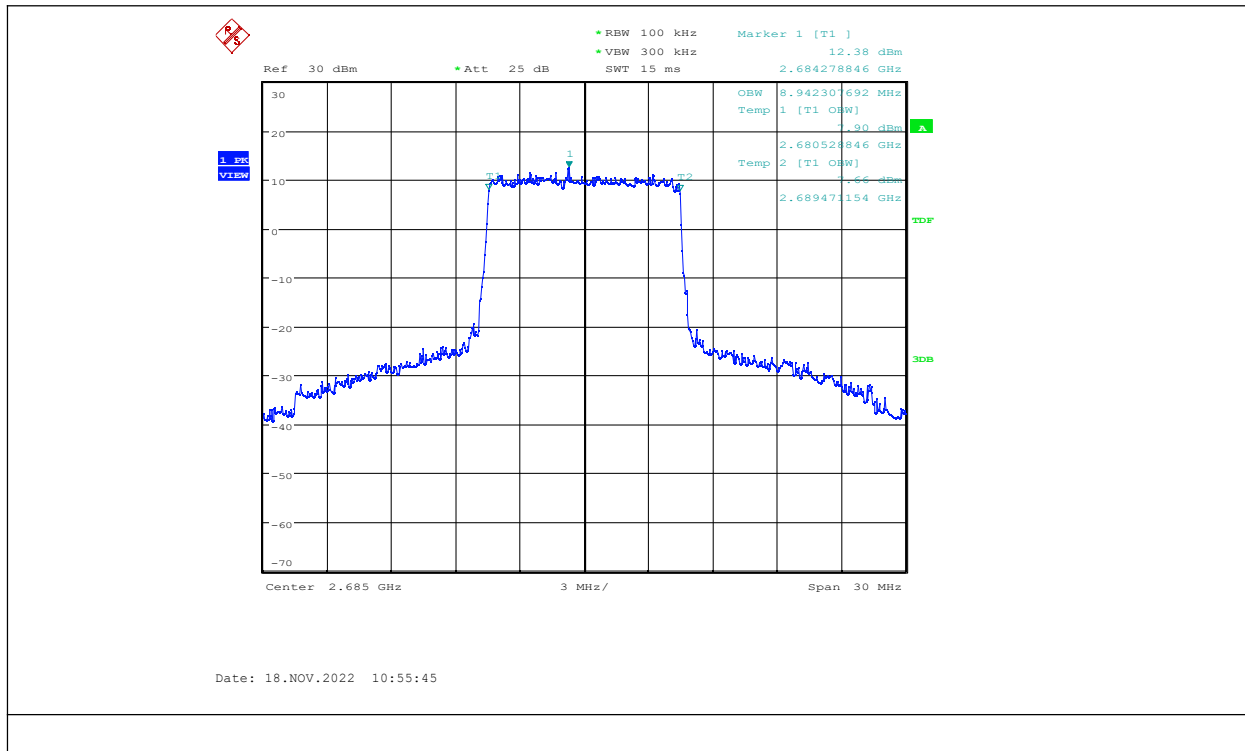
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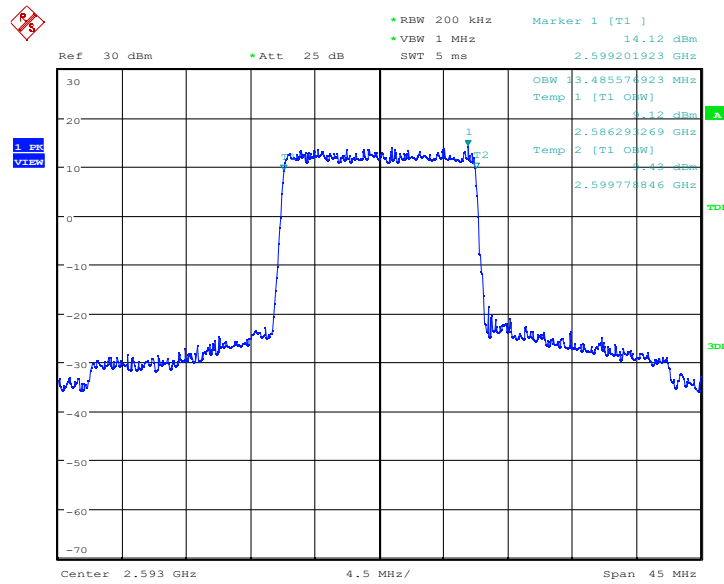
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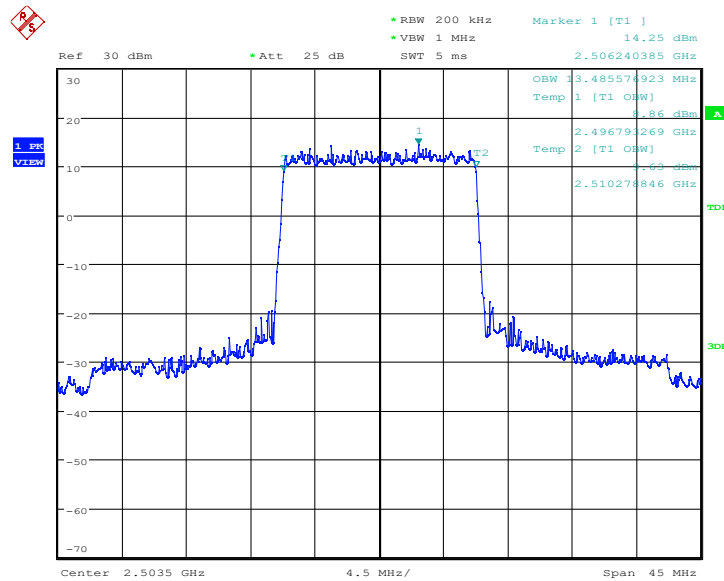


LTE band 41,15MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)
	QPSK
2503.5	13.486
2593	13.486
2682.5	13.413
LTE band 41 , 15MHz Bandwidth,QPSK (99% BW)	



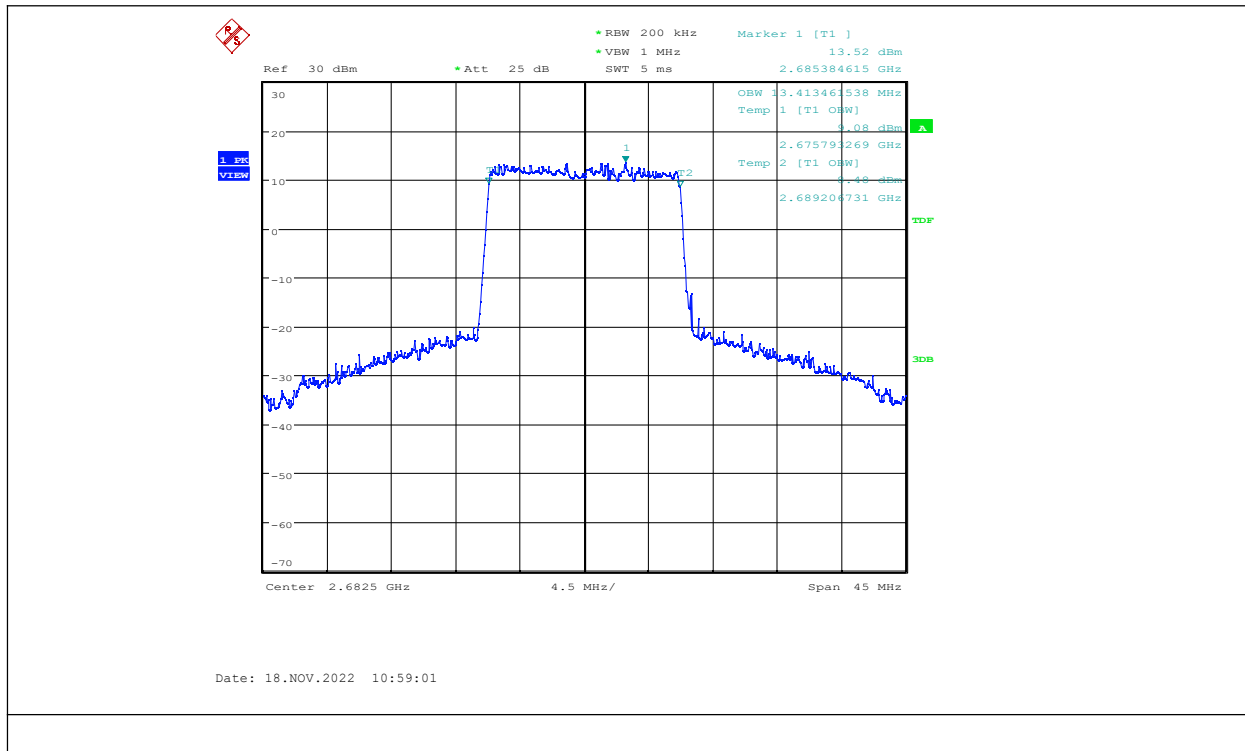
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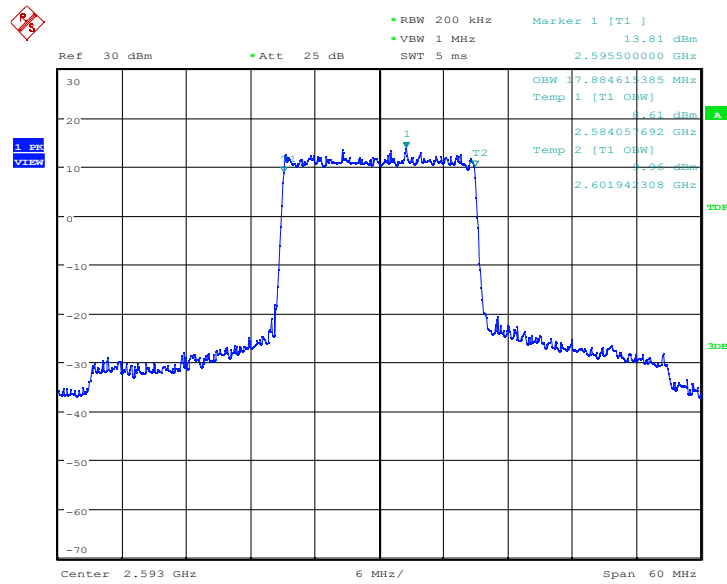
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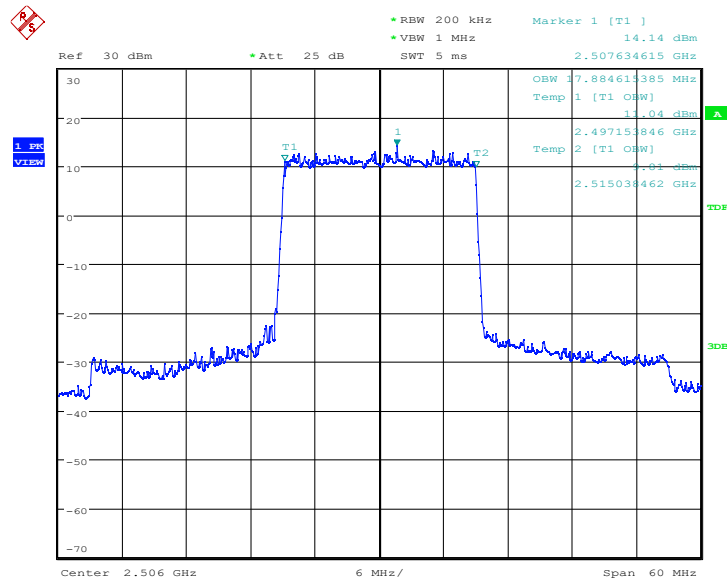
LTE band 41,20MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)
	QPSK
2506	17.885
2593	17.885
2680	17.885
LTE band 41 , 20MHz Bandwidth,QPSK (99% BW)	

Report No.: I22W00078-LTE-RF-FCC-Rev3



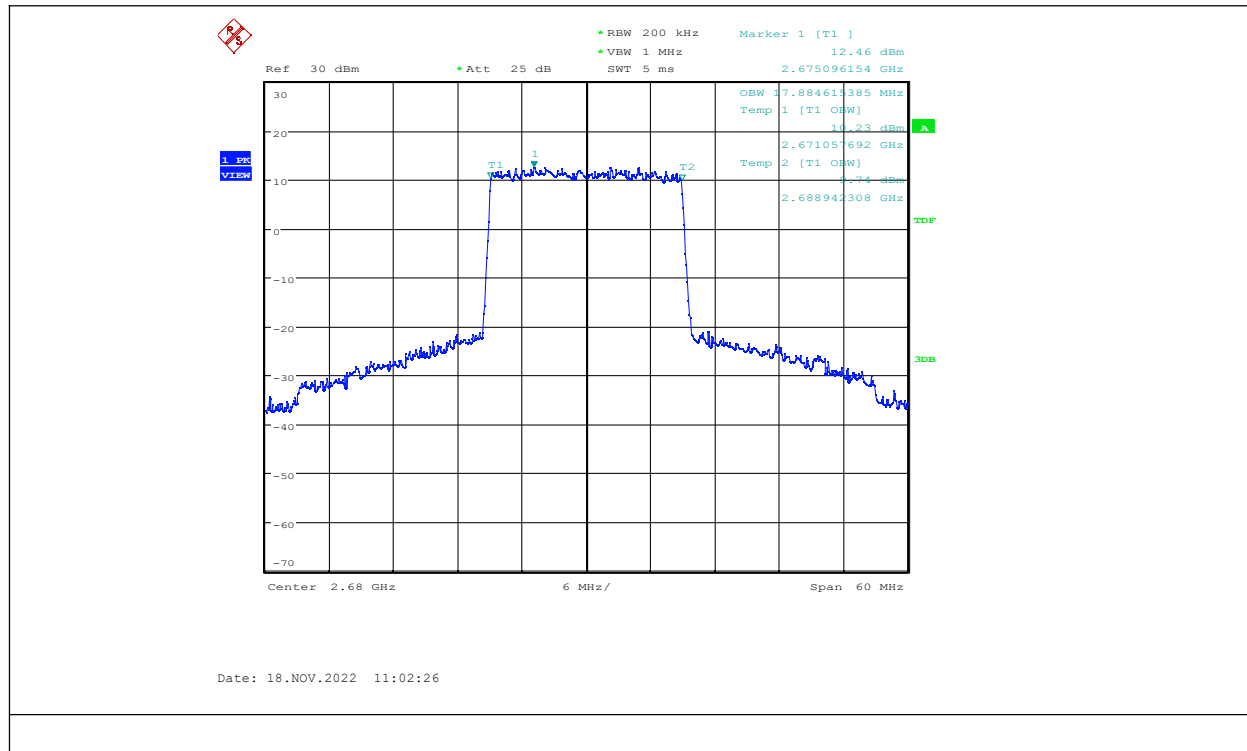
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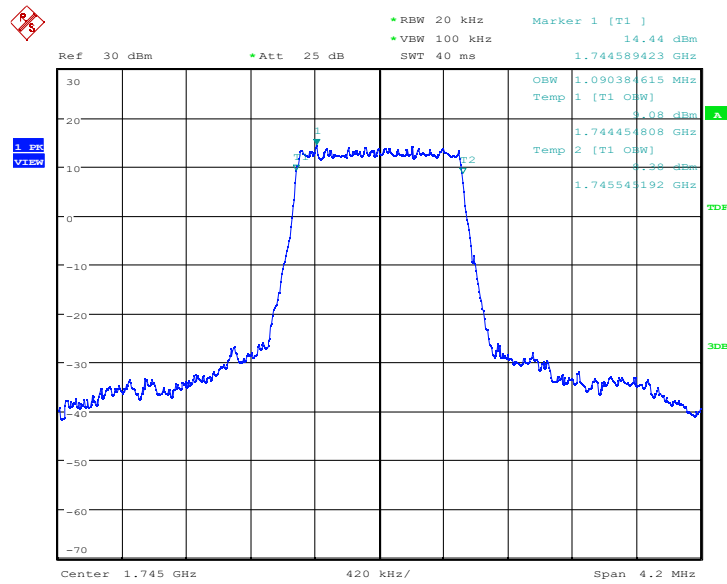
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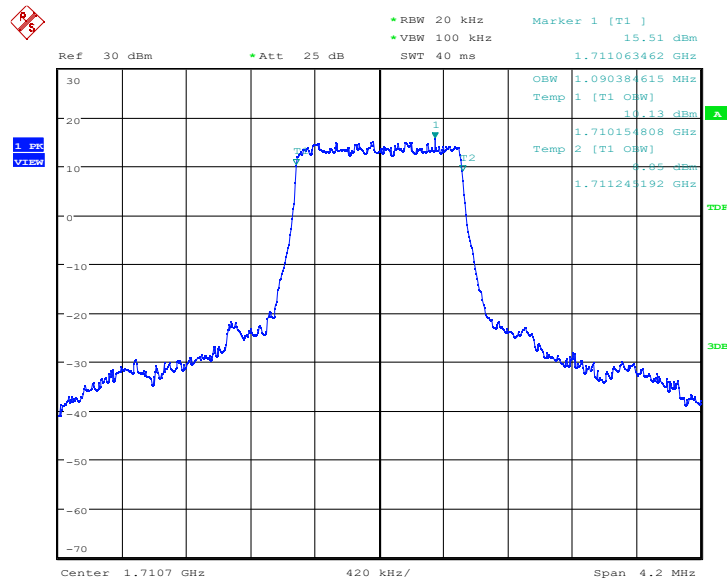


LTE band 66,1.4MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1710.7	1.090	1.090
1745	1.090	1.090
1779.3	1.097	1.090
LTE band 66 , 1.4MHz Bandwidth,QPSK (99% BW)		



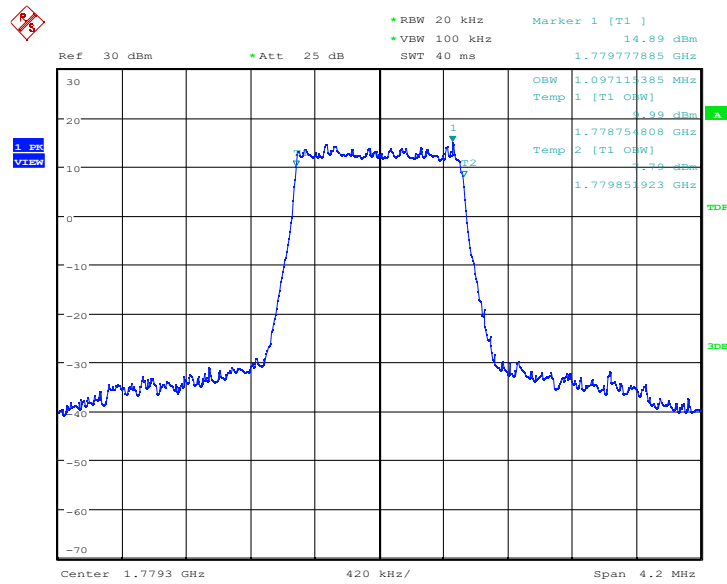
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Date: 18.NOV.2022 11:03:57

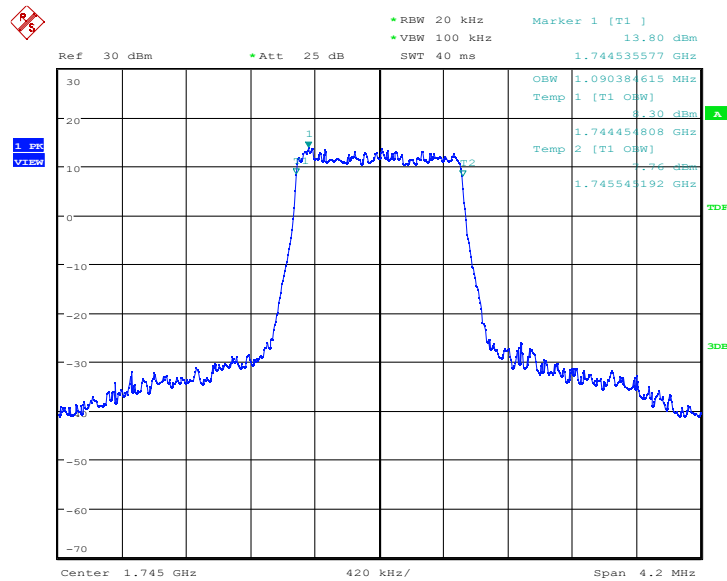
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Date: 18.NOV.2022 11:05:48

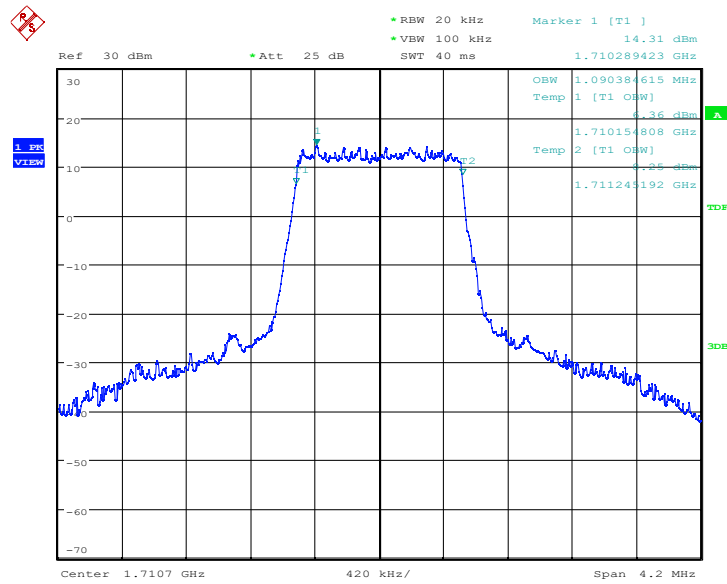
LTE band 66 , 1.4MHz Bandwidth,16QAM (99% BW)



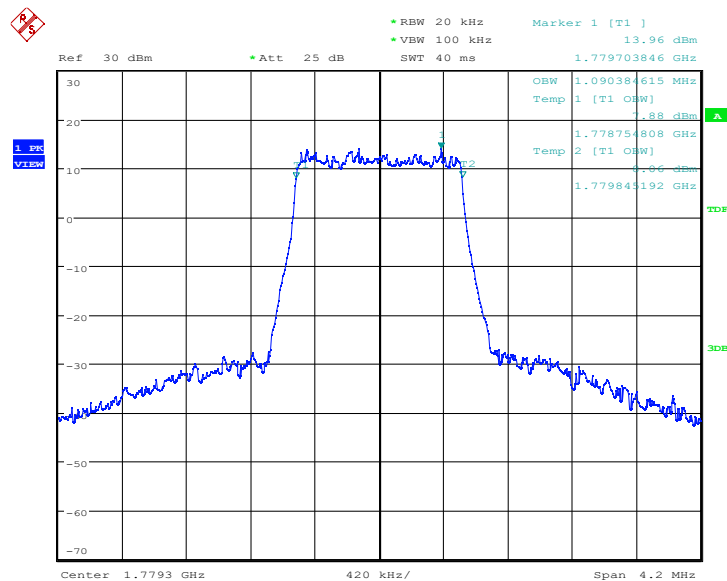
Date: 18.NOV.2022 11:05:23

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Date: 18.NOV.2022 11:04:23



Date: 18.NOV.2022 11:06:14

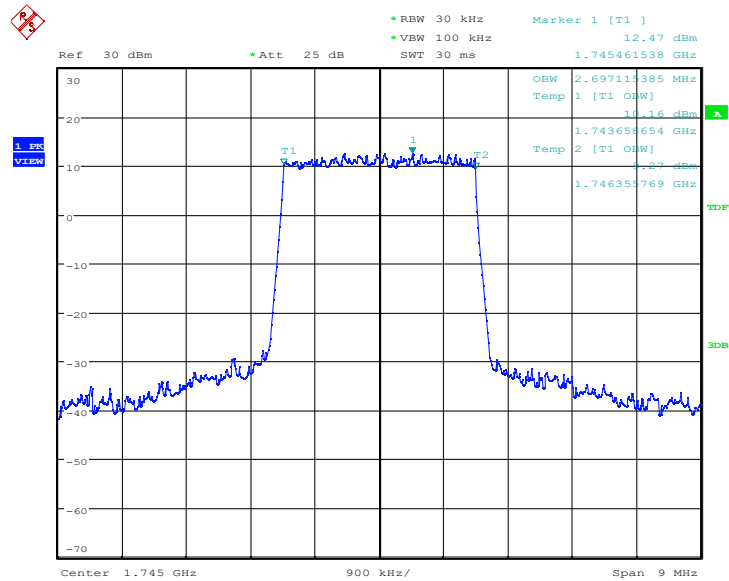
LTE band 66,3MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1711.5	2.697	2.683
1745	2.697	2.712
1778.5	2.683	2.697

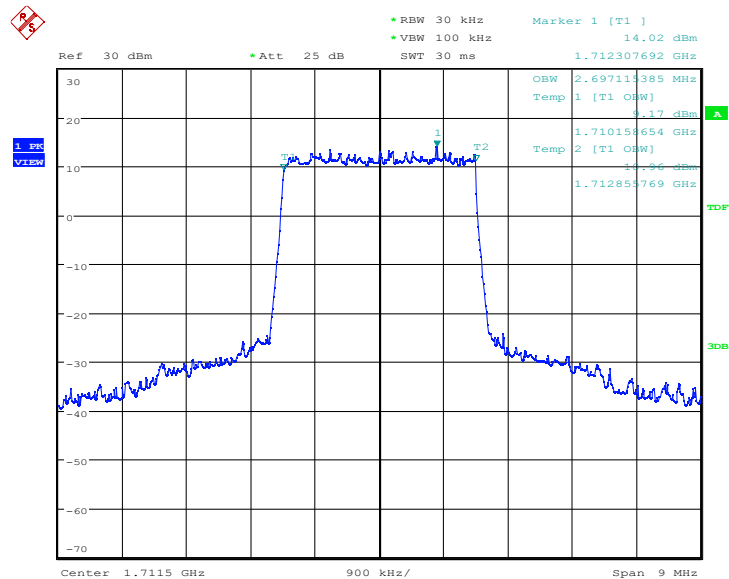
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LTE band 66 , 3MHz Bandwidth,QPSK (99% BW)



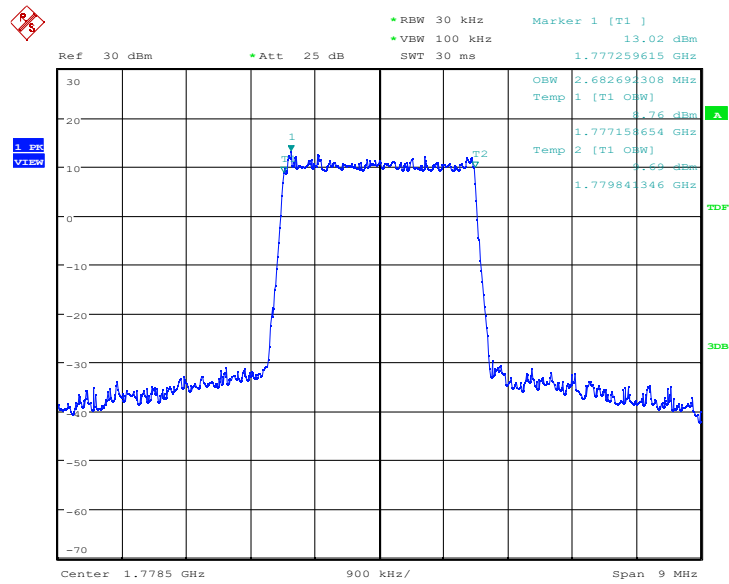
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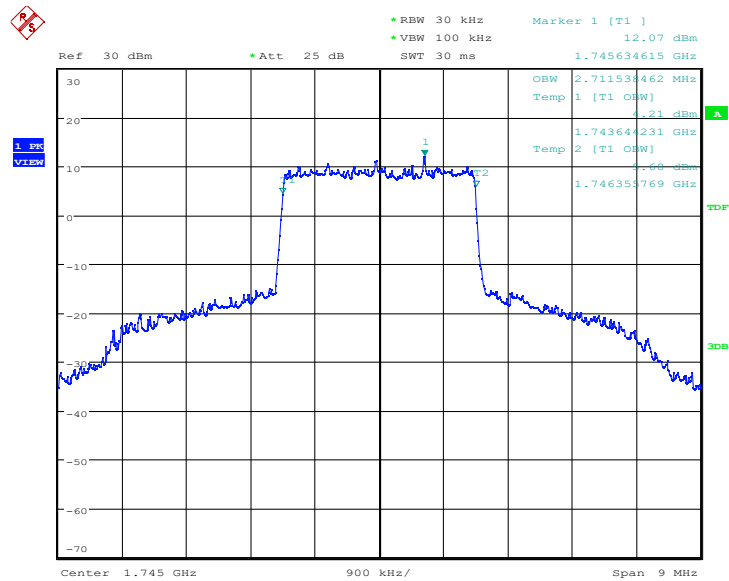
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Date: 18.NOV.2022 11:08:18

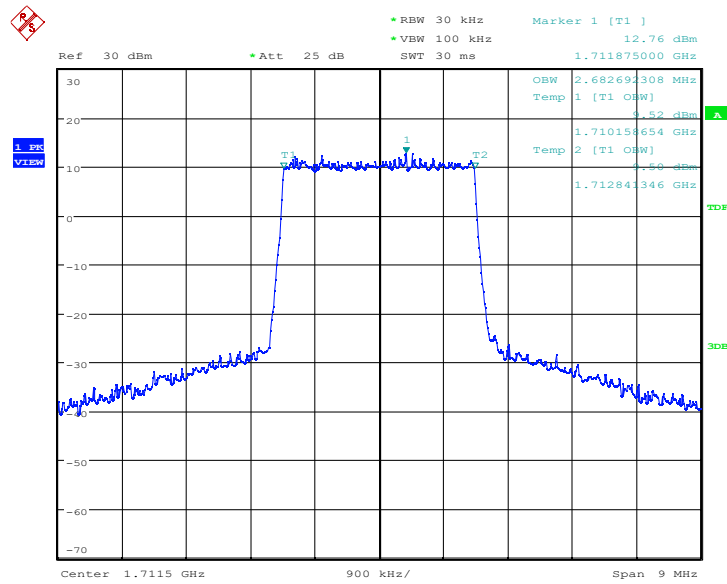
LTE band 66 , 3MHz Bandwidth,16QAM (99% BW)



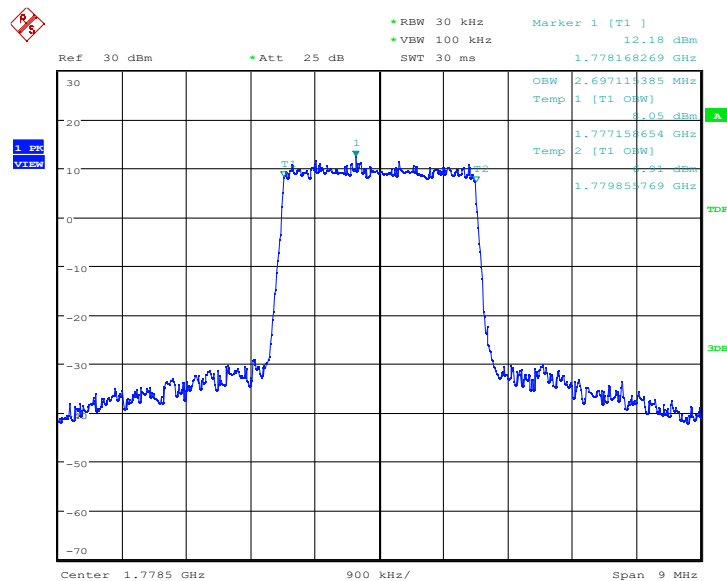
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Date: 18.NOV.2022 11:07:10



Date: 18.NOV.2022 11:08:38

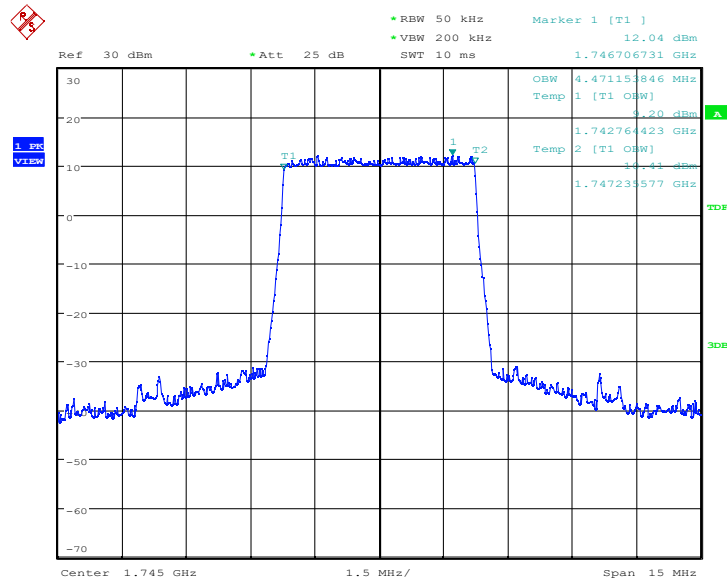
LTE band 66,5MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1712.5	4.519	4.495
1745	4.471	4.495
1777.5	4.495	4.471

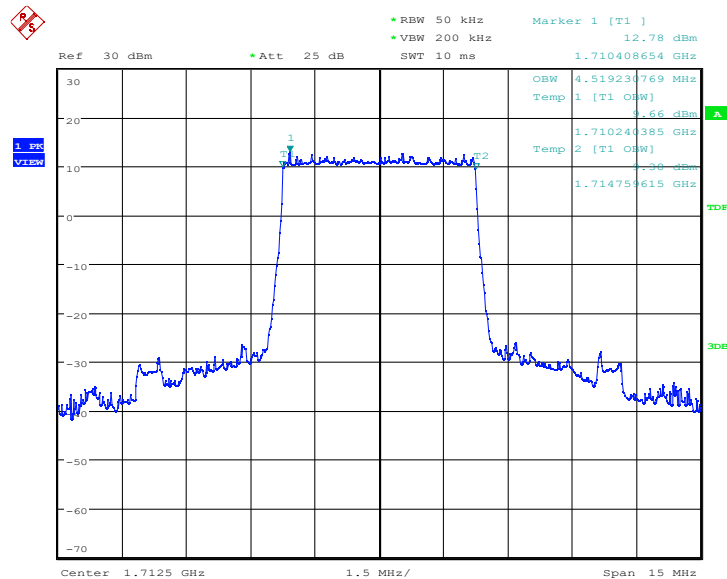
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LTE band 66 , 5MHz Bandwidth,QPSK (99% BW)



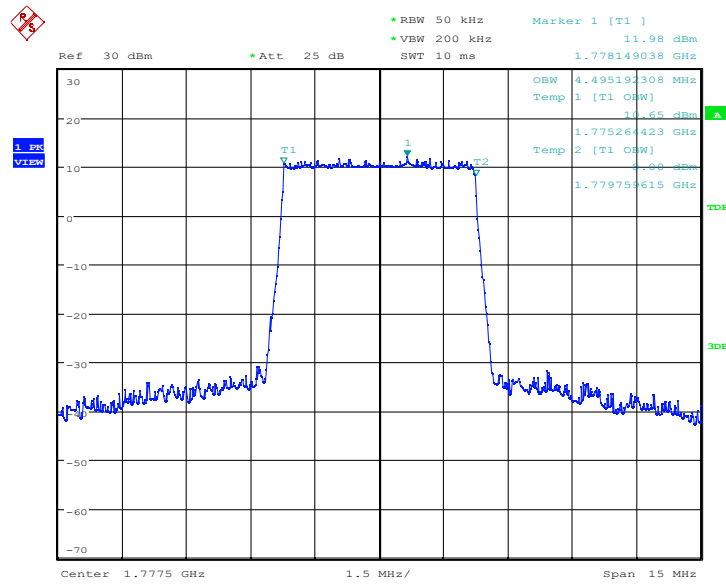
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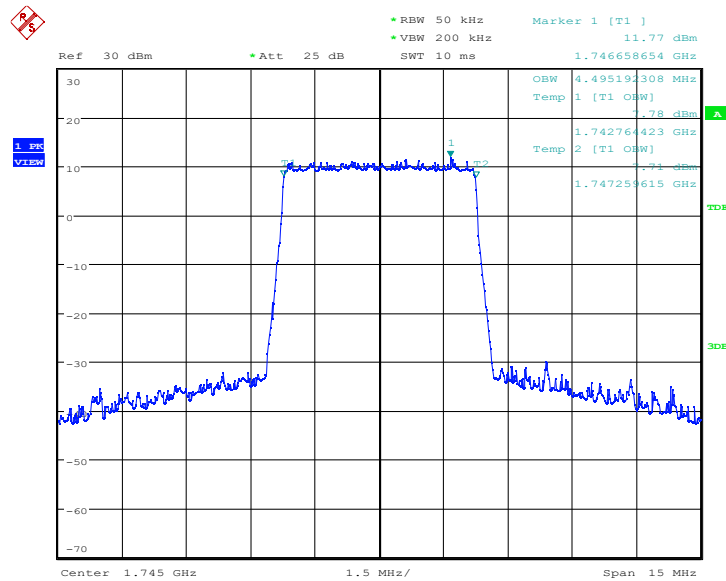
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Date: 18.NOV.2022 11:10:37

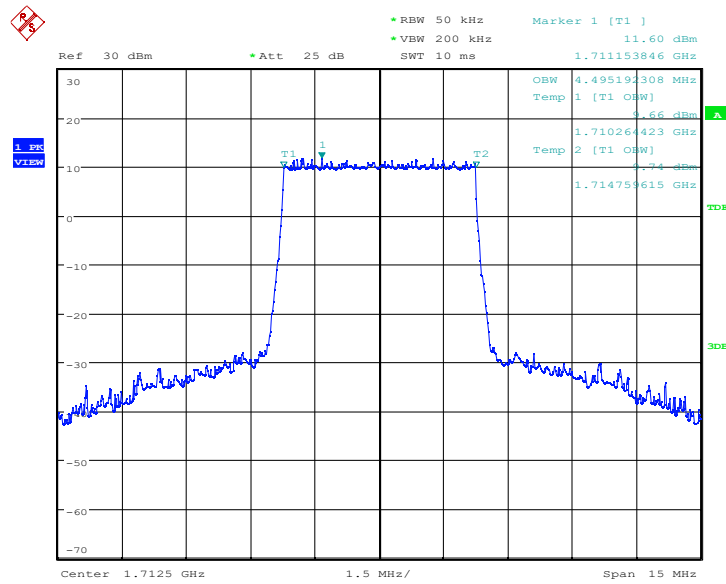
LTE band 66 , 5MHz Bandwidth,16QAM (99% BW)



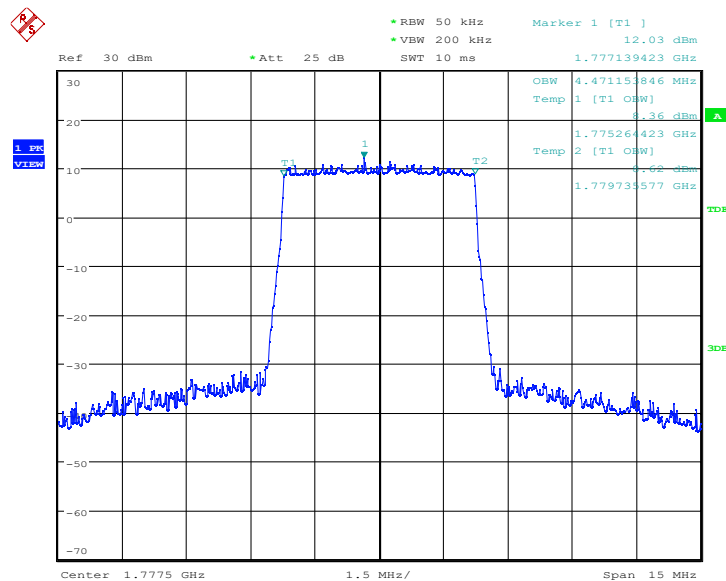
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Date: 18.NOV.2022 11:09:29



Date: 18.NOV.2022 11:10:57

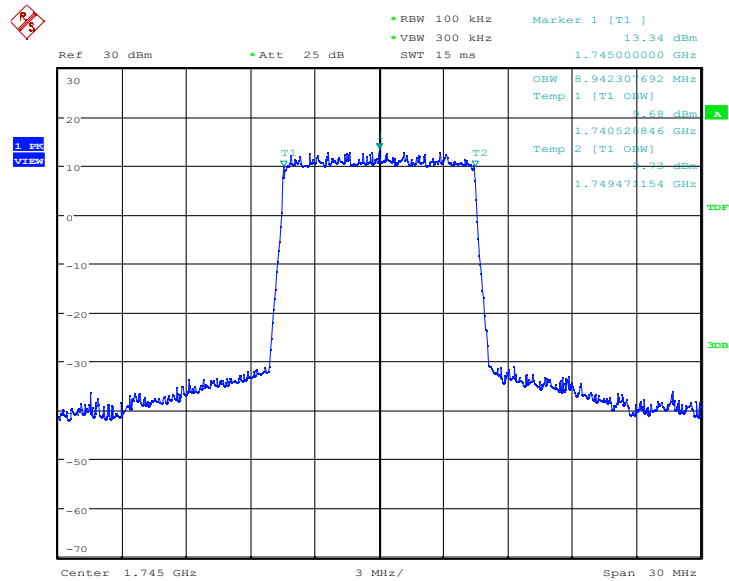
LTE band 66,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)
	QPSK
1715	8.942
1745	8.942
1775	8.942

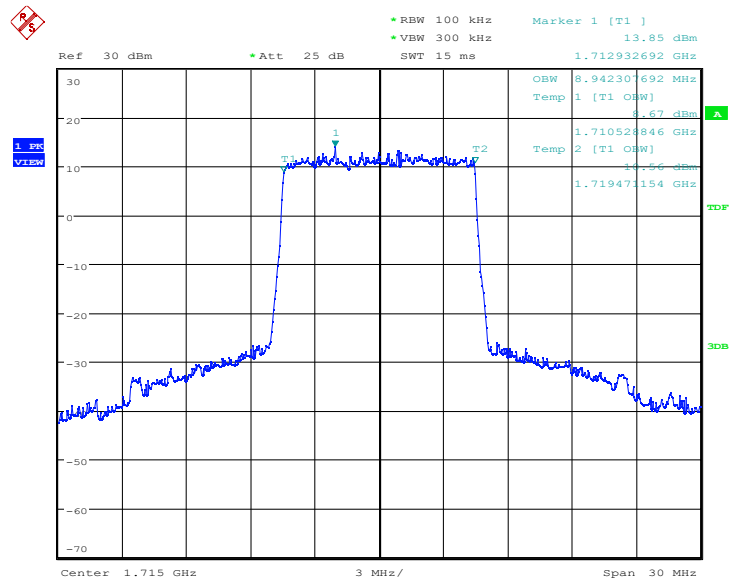
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LTE band 66 , 10MHz Bandwidth,QPSK (99% BW)



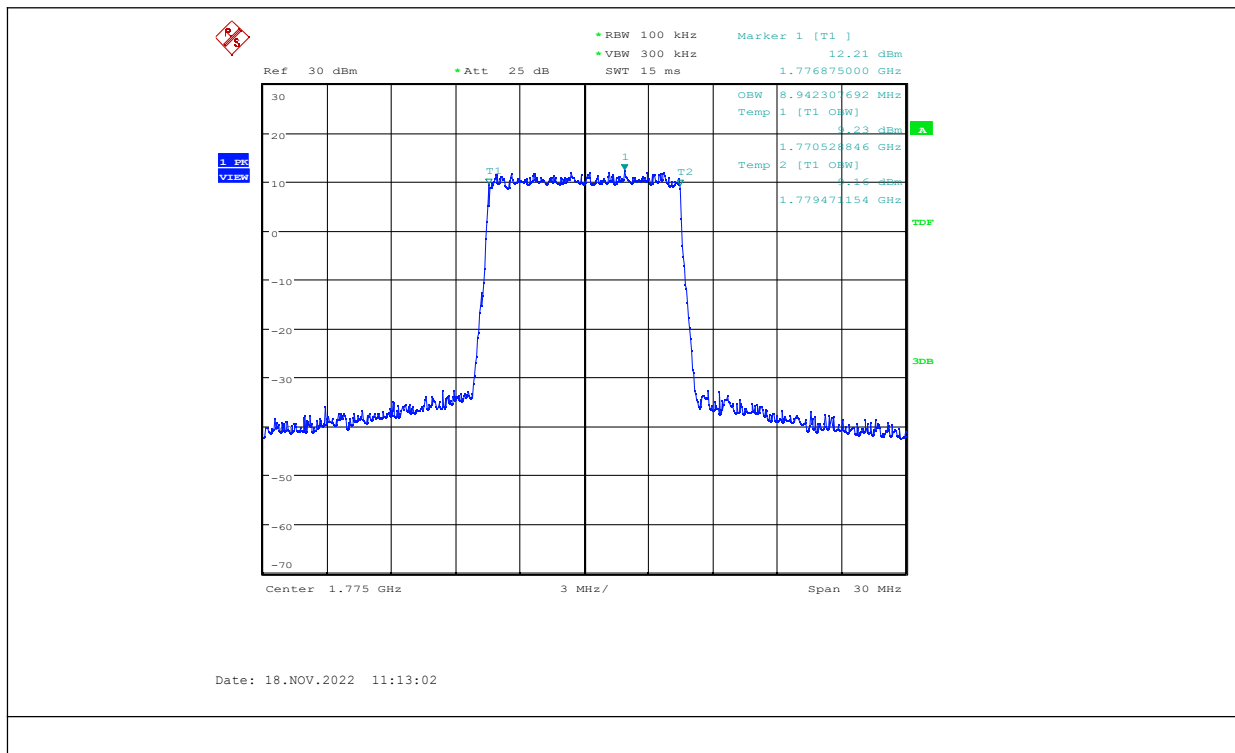
Date: 18.NOV.2022 11:12:18



Date: 18.NOV.2022 11:11:30

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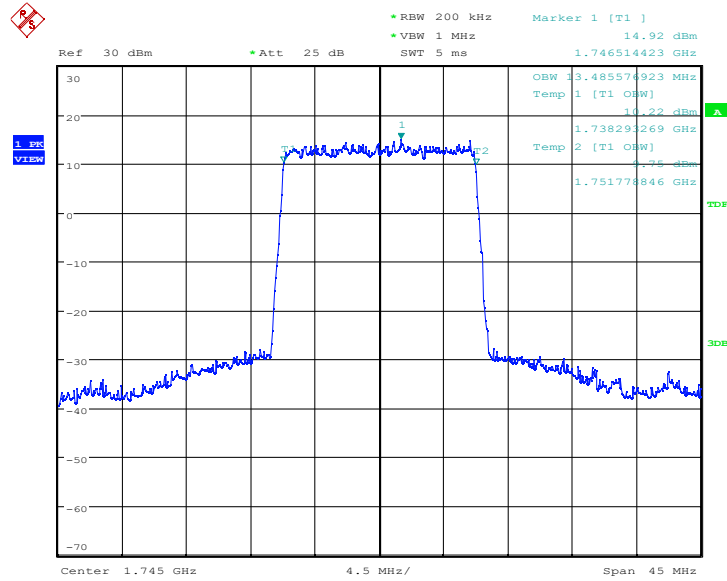


LTE band 66,15MHz(99%)

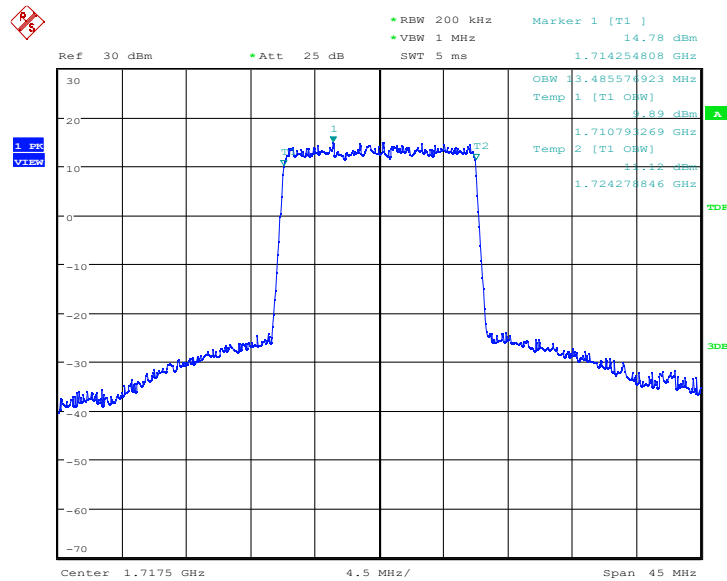
Frequency (MHz)	Occupied Bandwidth (99%)(MHz)
	QPSK
1717.5	13.486
1745	13.486
1772.5	13.413
LTE band 66 , 15MHz Bandwidth,QPSK (99% BW)	

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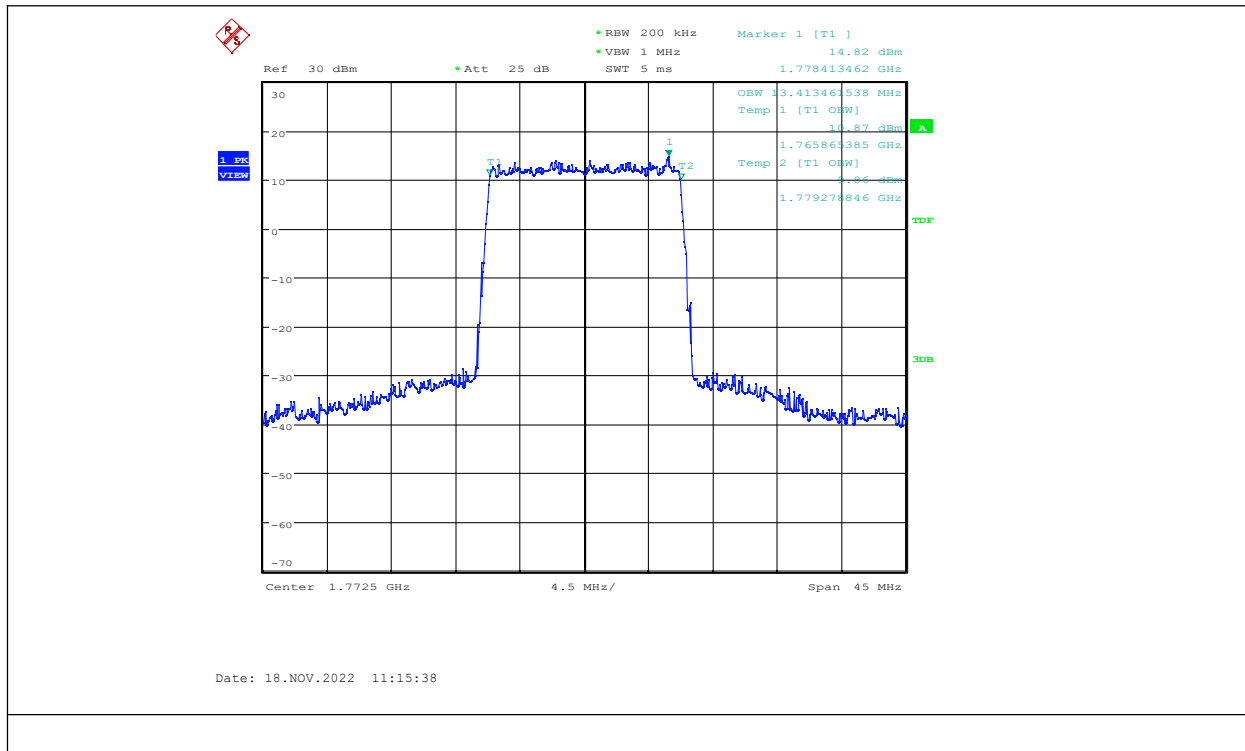
Date: 18.NOV.2022 11:14:49



Date: 18.NOV.2022 11:13:56

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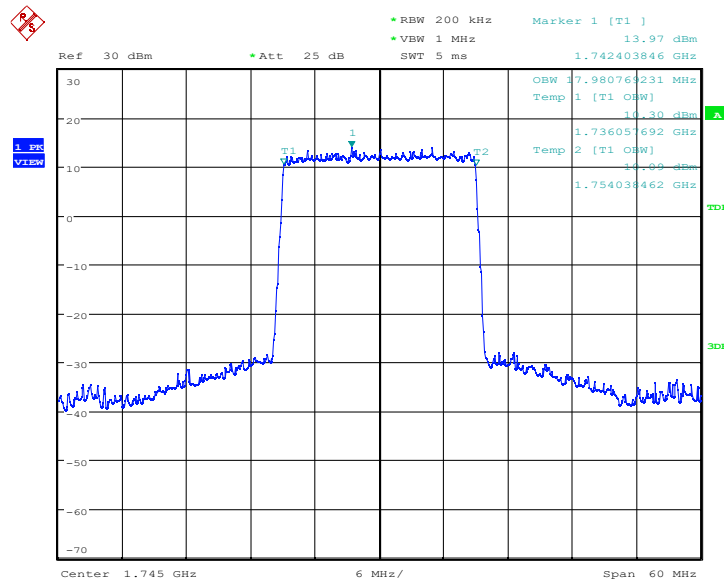


LTE band 66,20MHz(99%)

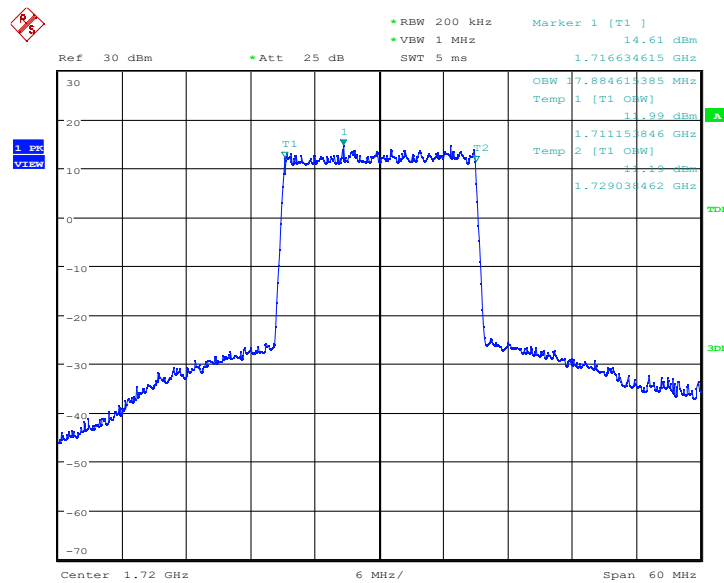
Frequency (MHz)	Occupied Bandwidth (99%)(MHz)
	QPSK
1720	17.885
1745	17.981
1770	17.981
LTE band 66 , 20MHz Bandwidth,QPSK (99% BW)	

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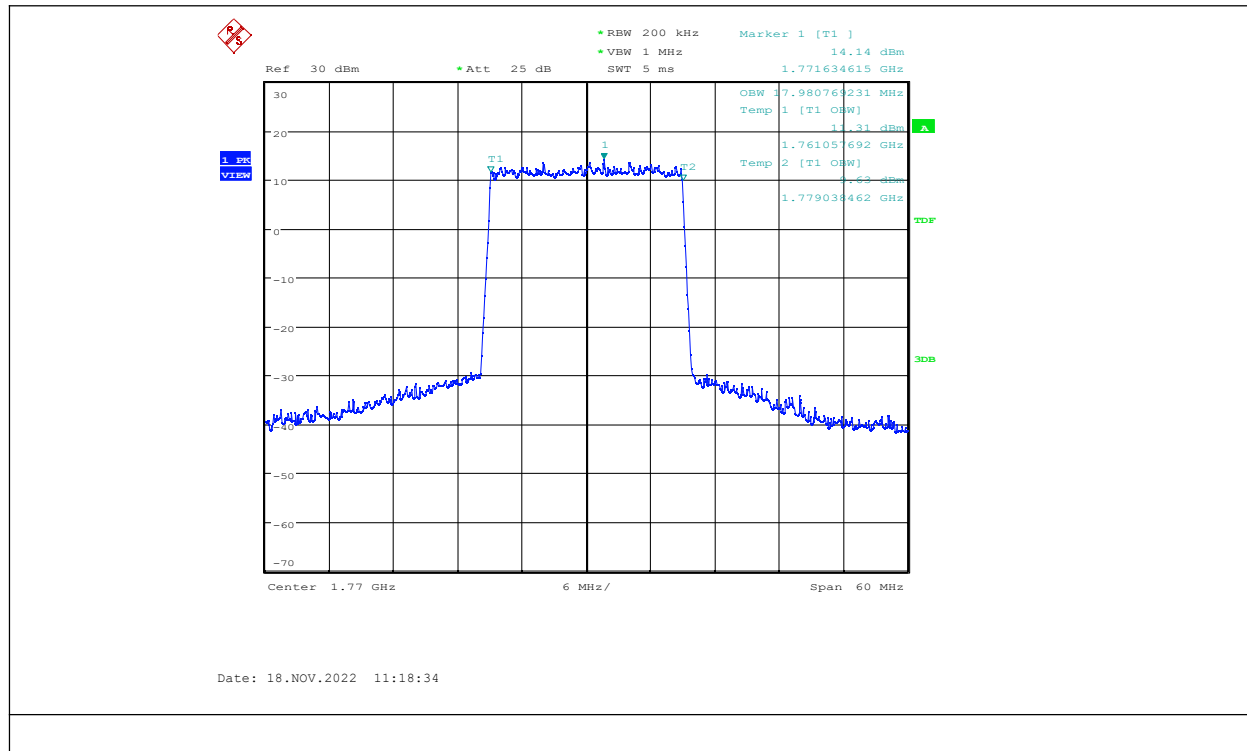
Date: 18.NOV.2022 11:17:29



Date: 18.NOV.2022 11:16:38

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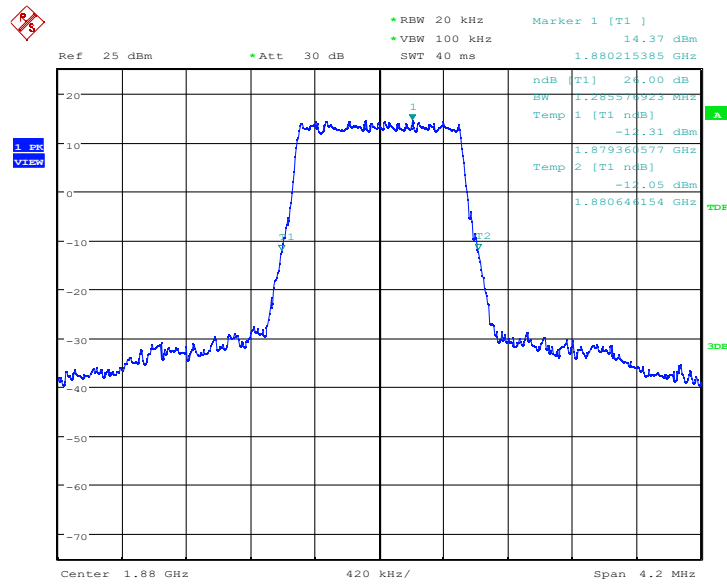
LTE band 2,1.4MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
1850.7	1.252	1.279
1880	1.286	1.252
1909.3	1.259	1.259

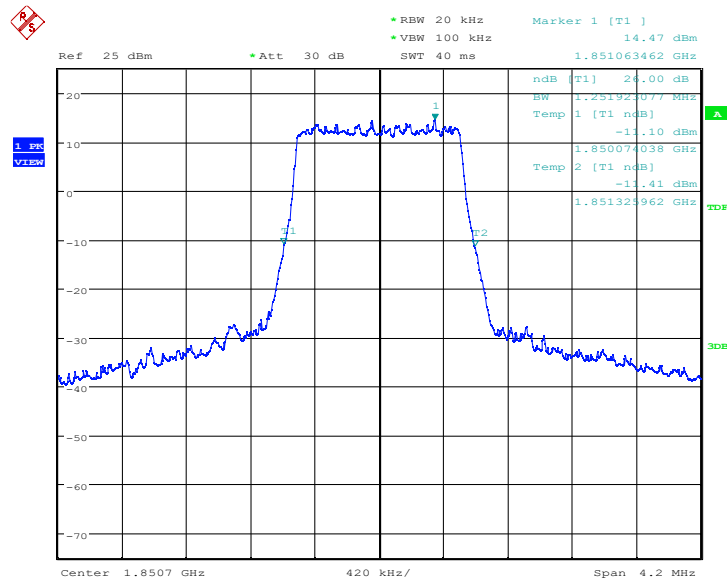
LTE band 2 , 1.4MHz Bandwidth,QPSK (-26dBc BW)

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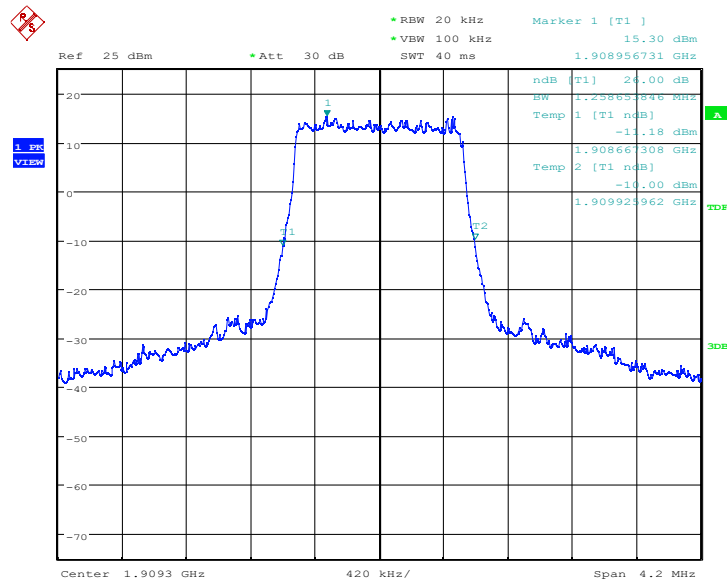
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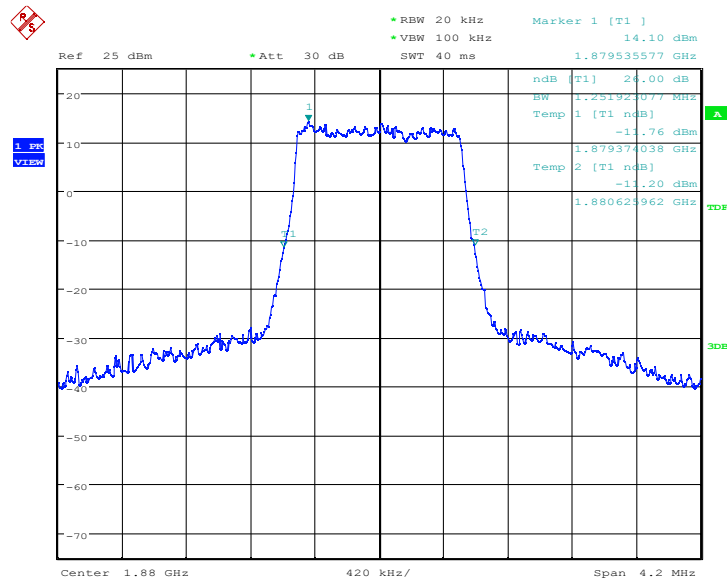
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Date: 18.NOV.2022 23:25:37

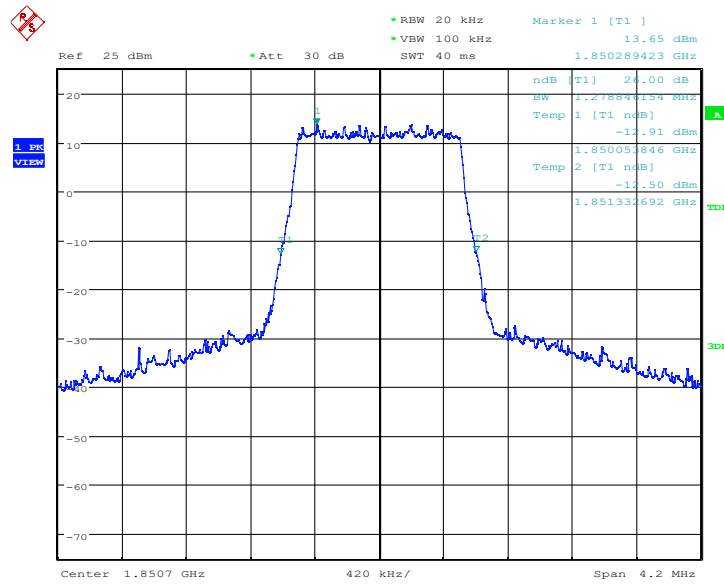
LTE band 2 , 1.4MHz Bandwidth,16QAM (-26dBc BW)



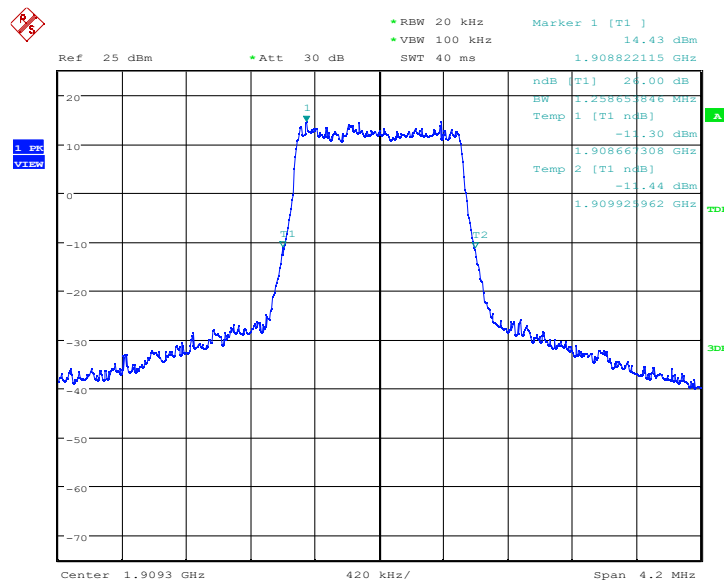
Date: 18.NOV.2022 23:25:10

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Date: 18.NOV.2022 23:24:20



Date: 18.NOV.2022 23:25:58

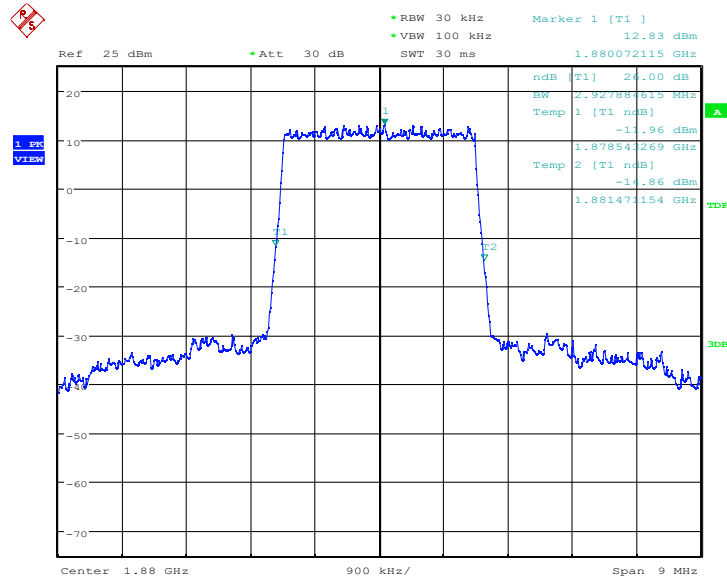
LTE band 2,3MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
1851.5	2.913	2.913
1880	2.928	2.913
1908.5	2.913	2.913

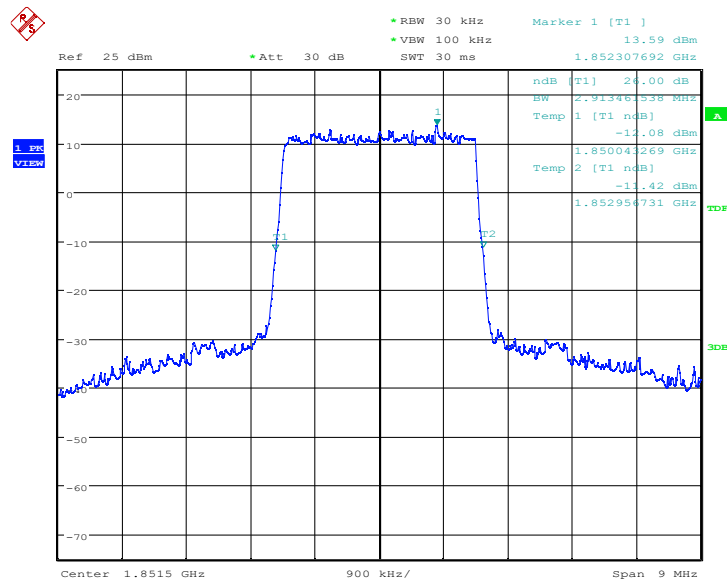
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LTE band 2 , 3MHz Bandwidth,QPSK (-26dBc BW)



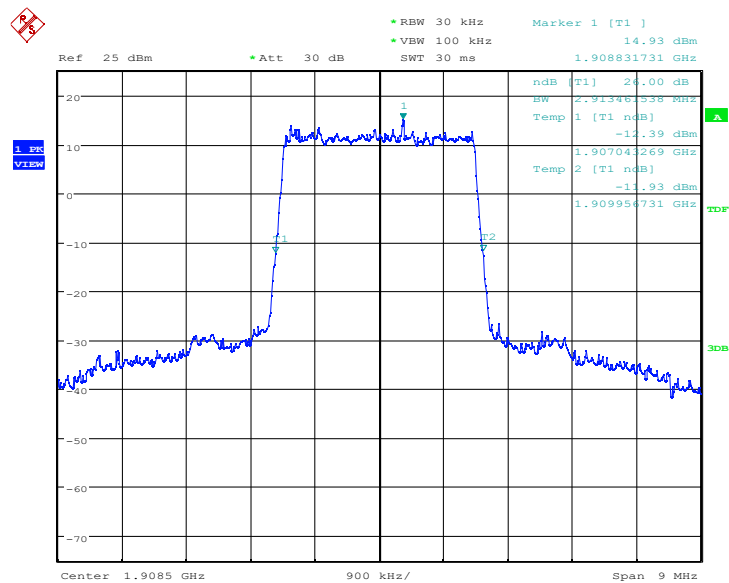
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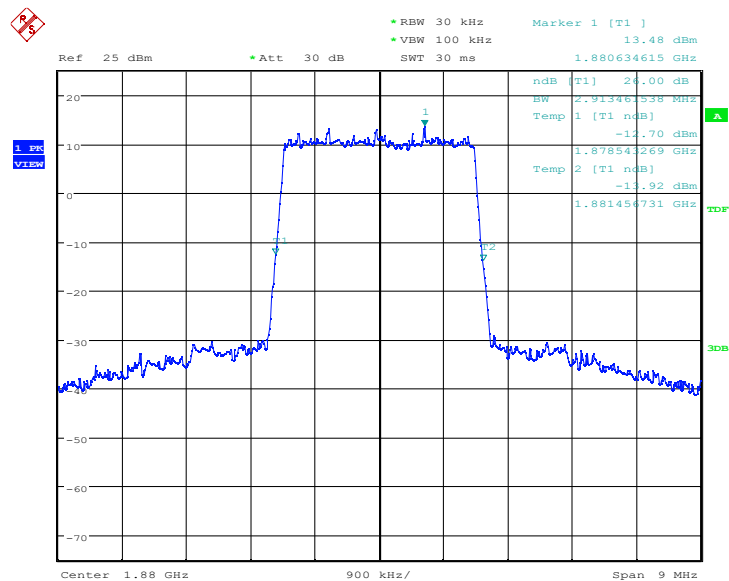
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Date: 18.NOV.2022 23:28:05

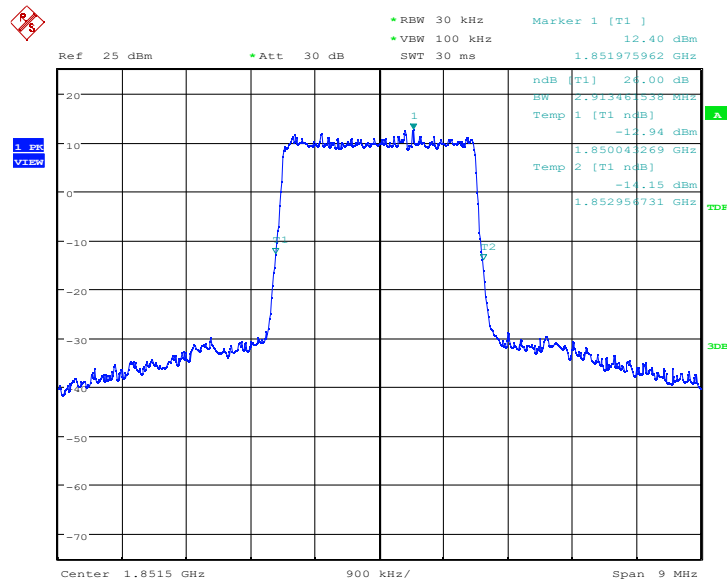
LTE band 2 , 3MHz Bandwidth,16QAM (-26dBc BW)



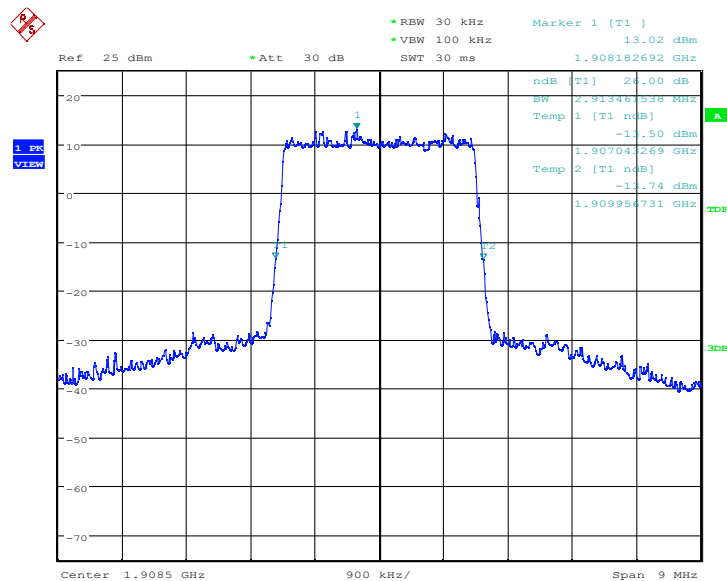
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Date: 18.NOV.2022 23:26:49



Date: 18.NOV.2022 23:28:31

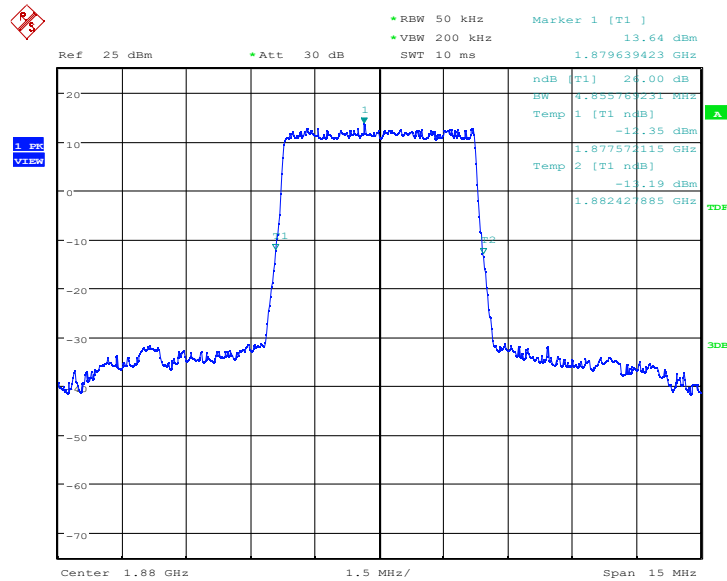
LTE band 2,5MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
1852.5	4.880	4.880
1880	4.865	4.904
1907.5	4.856	4.808

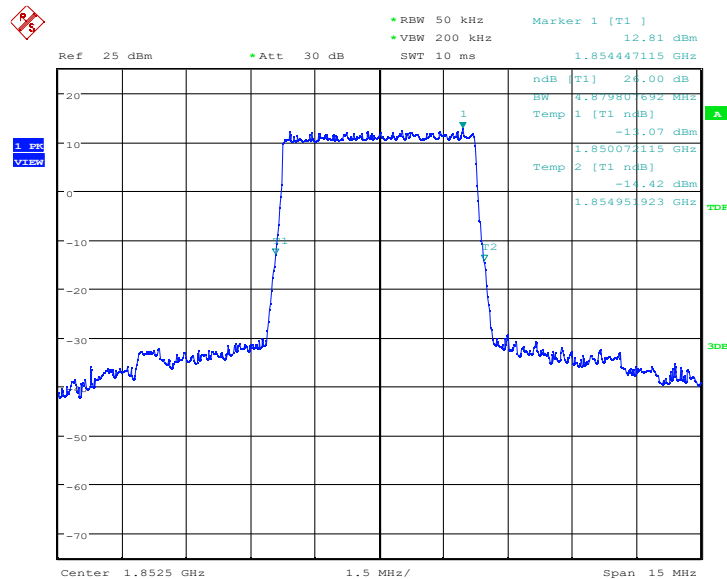
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LTE band 2 , 5MHz Bandwidth,QPSK (-26dBc BW)



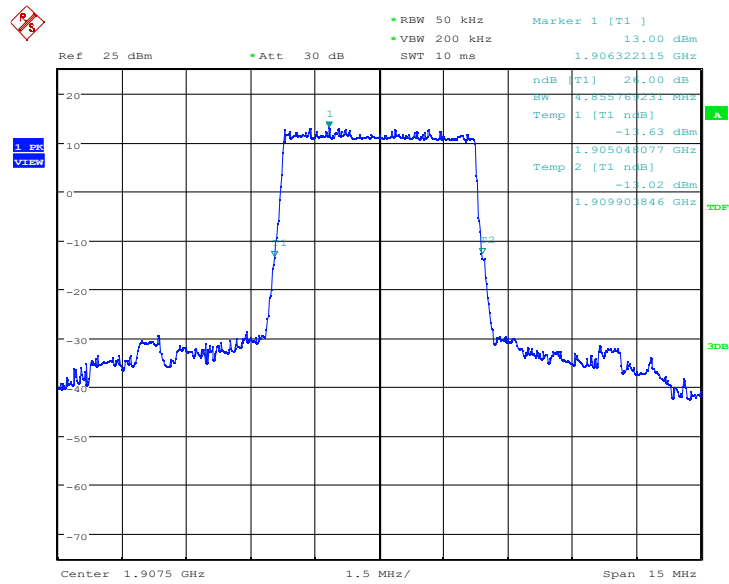
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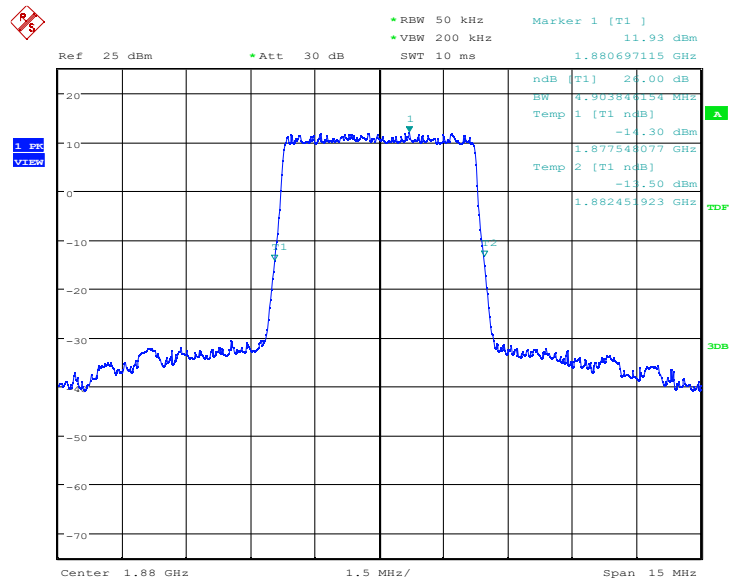
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Date: 18.NOV.2022 23:30:47

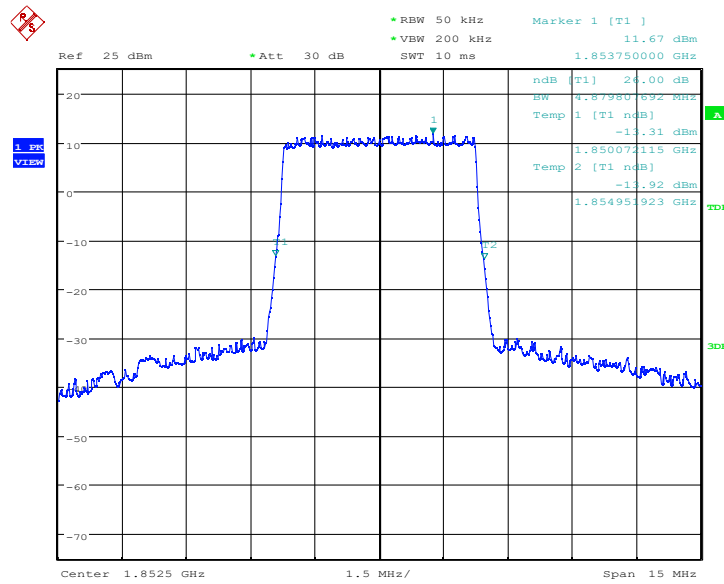
LTE band 2 , 5MHz Bandwidth,16QAM (-26dBc BW)



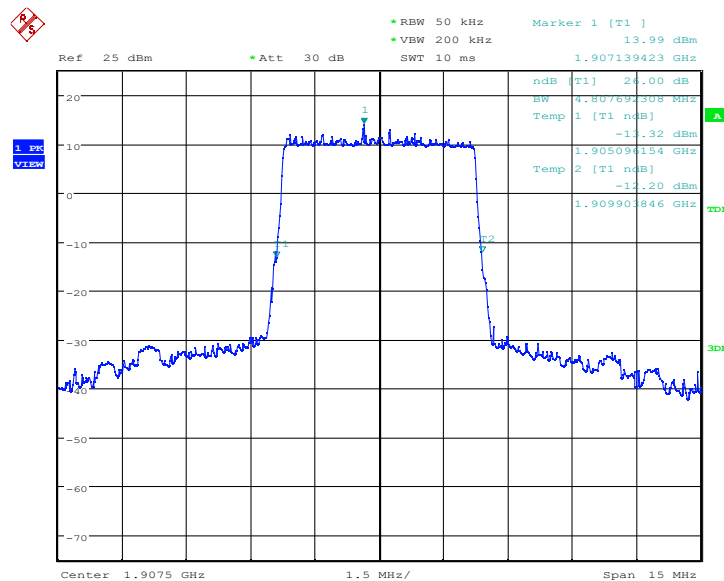
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Date: 18.NOV.2022 23:29:28



Date: 18.NOV.2022 23:31:08

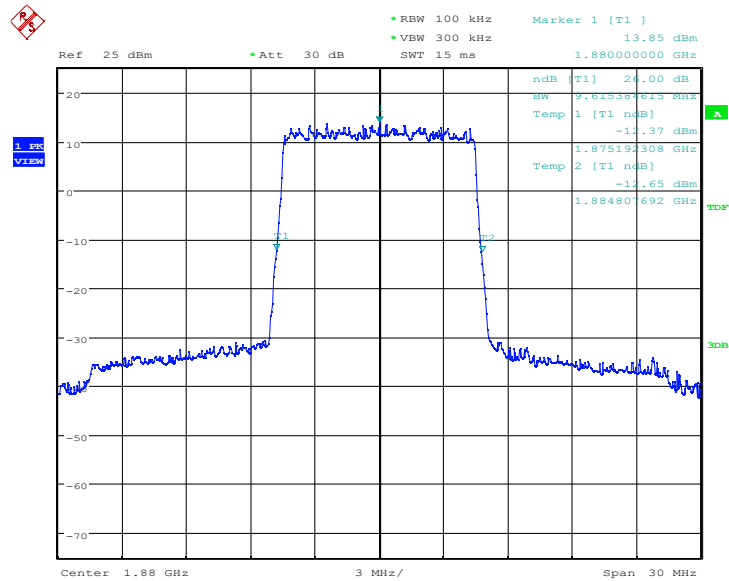
LTE band 2,10MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)
	QPSK
1855	9.615
1880	9.615
1905	9.663

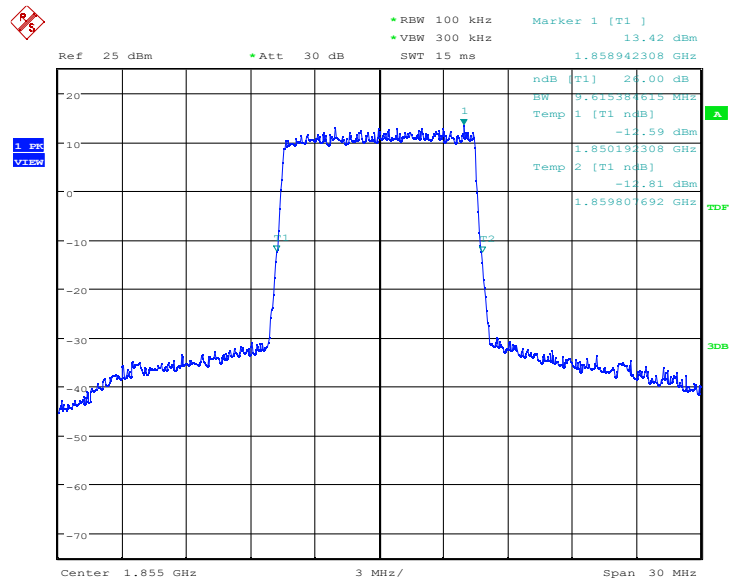
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LTE band 2 , 10MHz Bandwidth,QPSK (-26dBc BW)



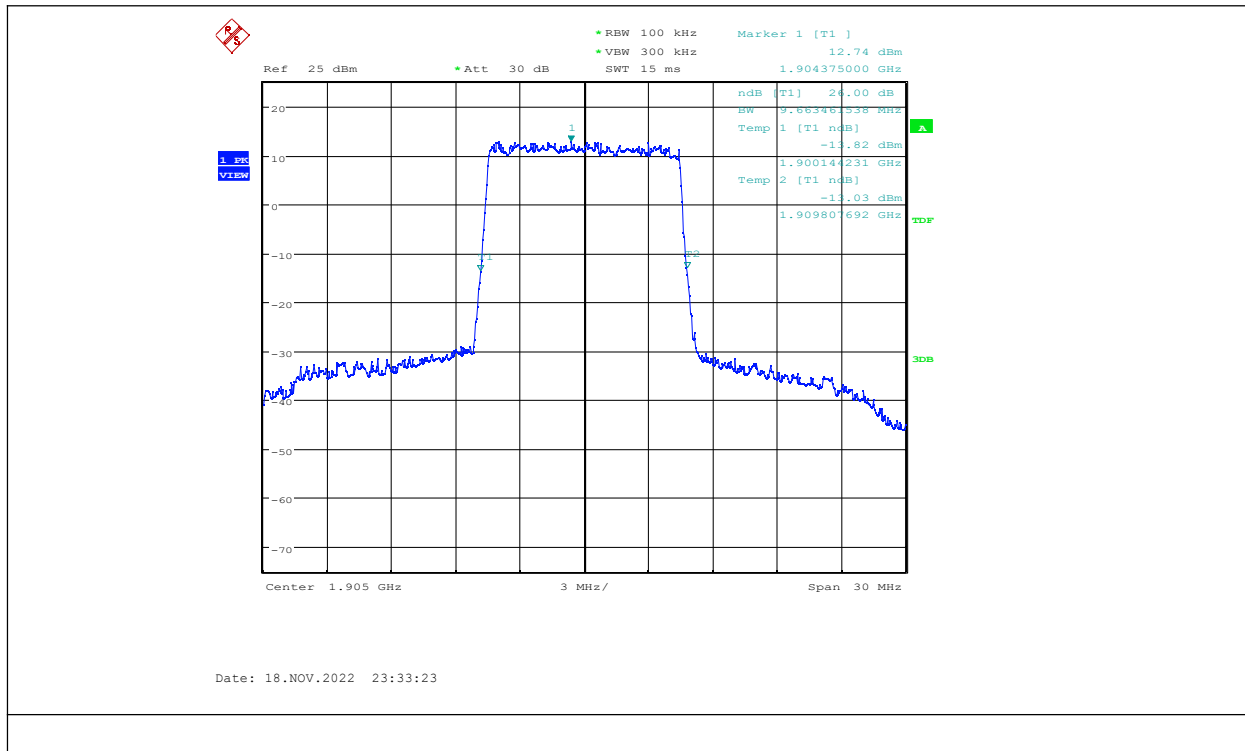
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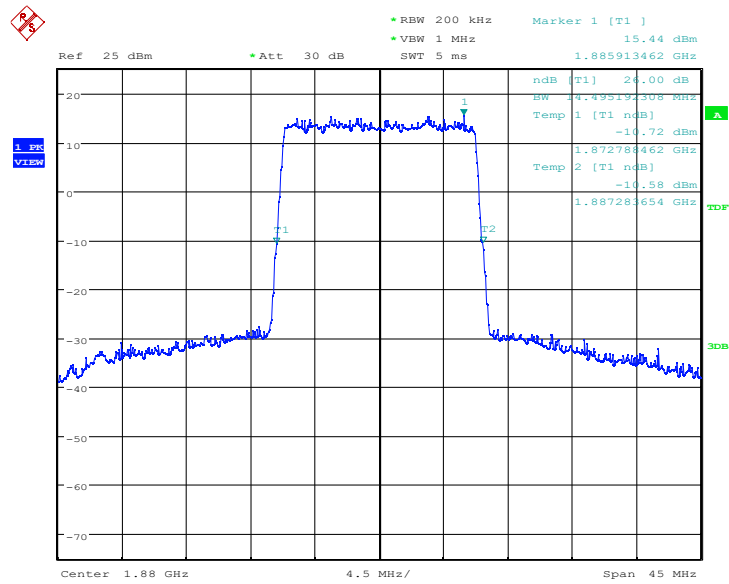
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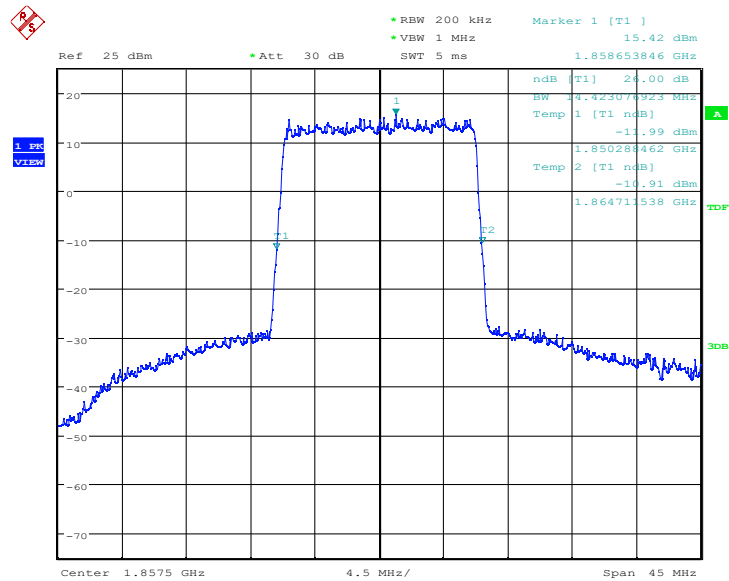
LTE band 2,15MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)
	QPSK
1857.5	14.423
1880	14.495
1902.5	14.423
LTE band 2 , 15MHz Bandwidth,QPSK (-26dBc BW)	

Report No.: I22W00078-LTE-RF-FCC-Rev3



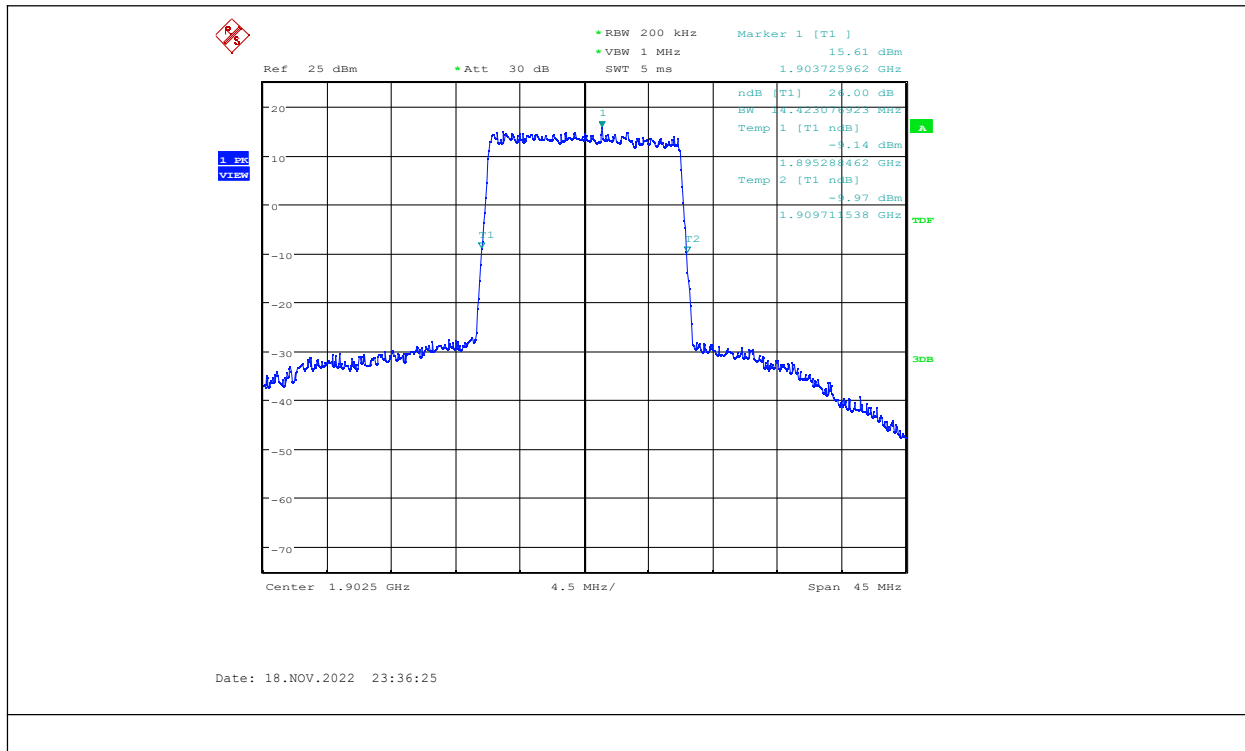
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Date: 18.NOV.2022 23:34:23

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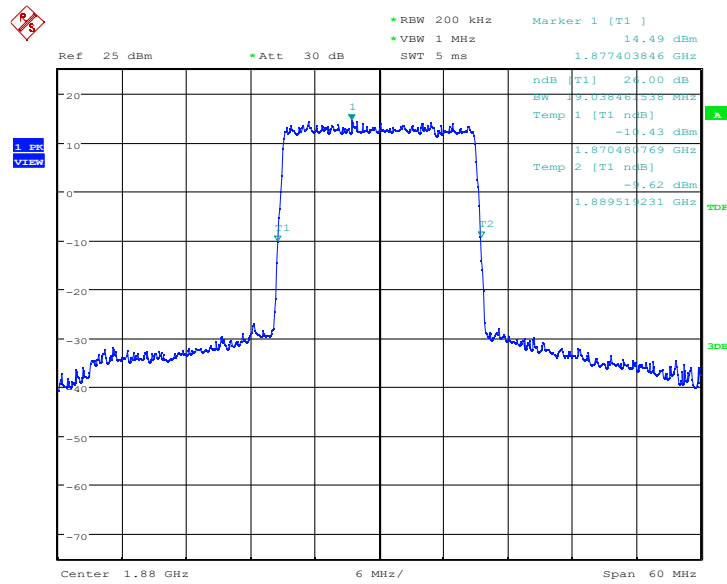
LTE band 2,20MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)
	QPSK
1860	19.038
1880	19.038
1900	19.038
LTE band 2 , 20MHz Bandwidth,QPSK (-26dBc BW)	

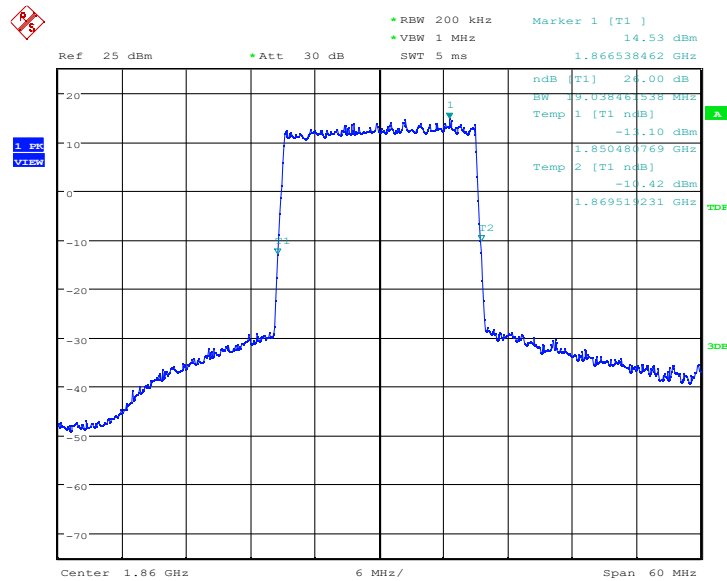
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Report No.: I22W00078-LTE-RF-FCC-Rev3



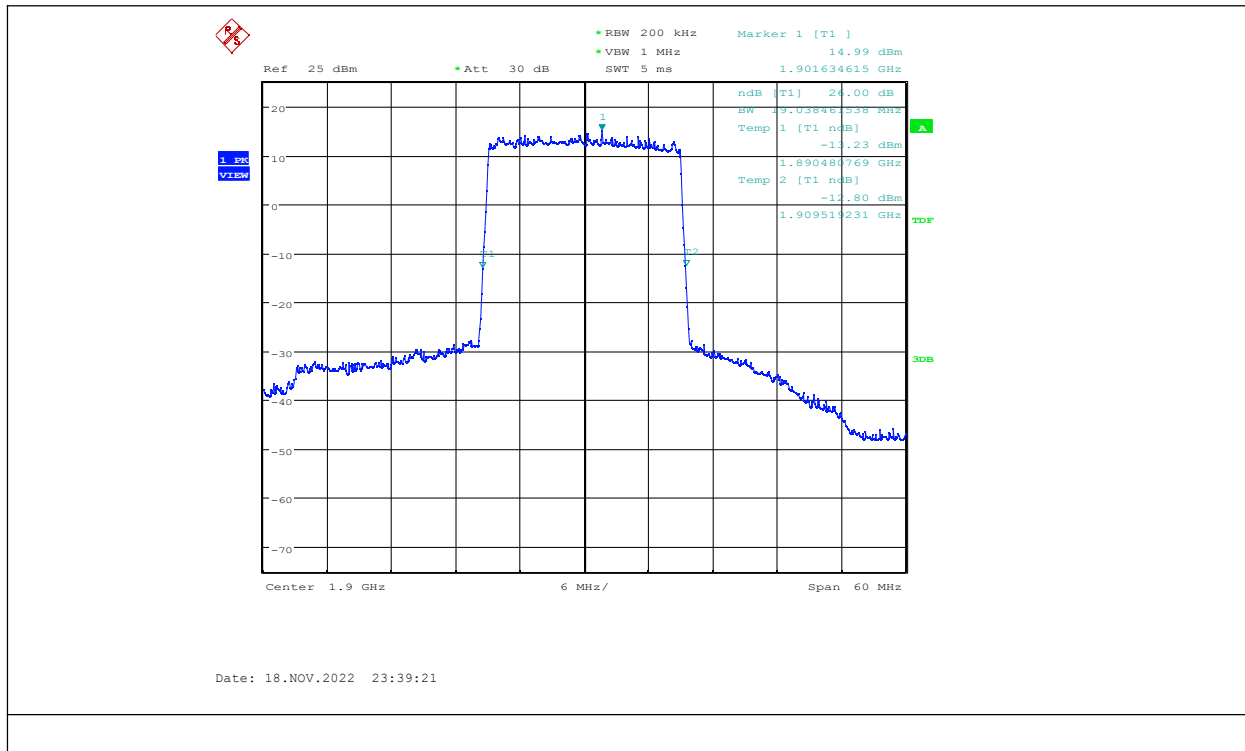
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Date: 18.NOV.2022 23:37:25

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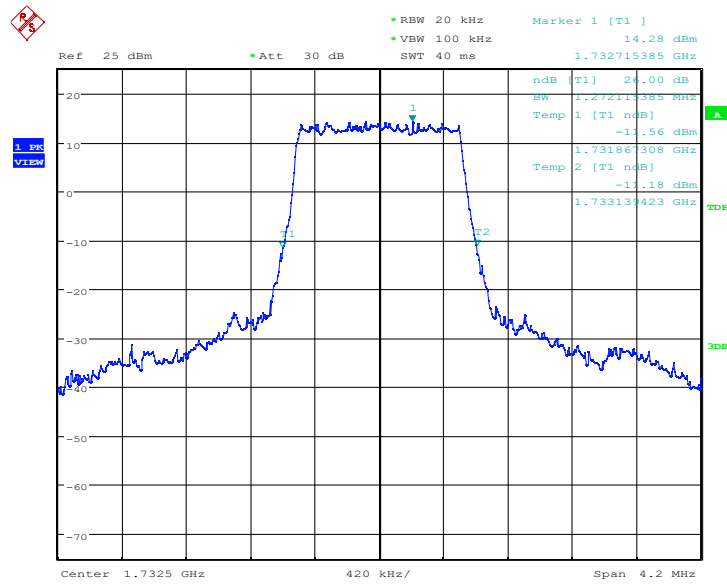
LTE band 4,1.4MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
1710.7	1.259	1.279
1732.5	1.272	1.252
1754.3	1.252	1.265
LTE band 4 , 1.4MHz Bandwidth,QPSK (-26dBc BW)		

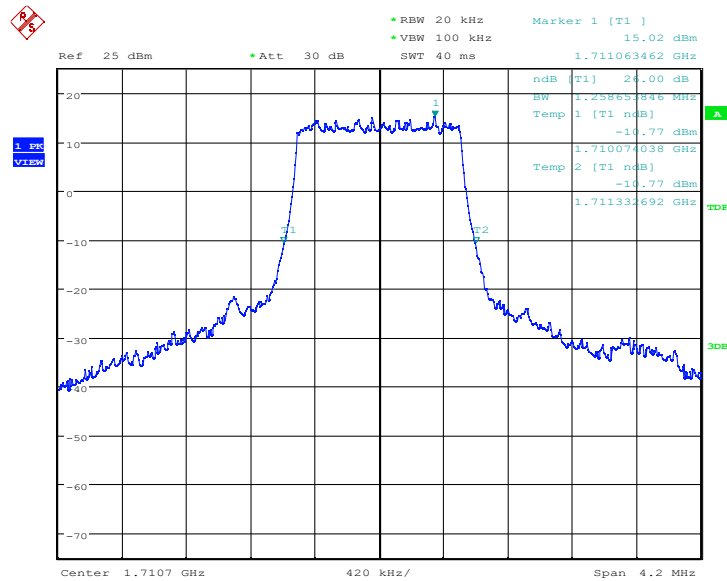
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Report No.: I22W00078-LTE-RF-FCC-Rev3



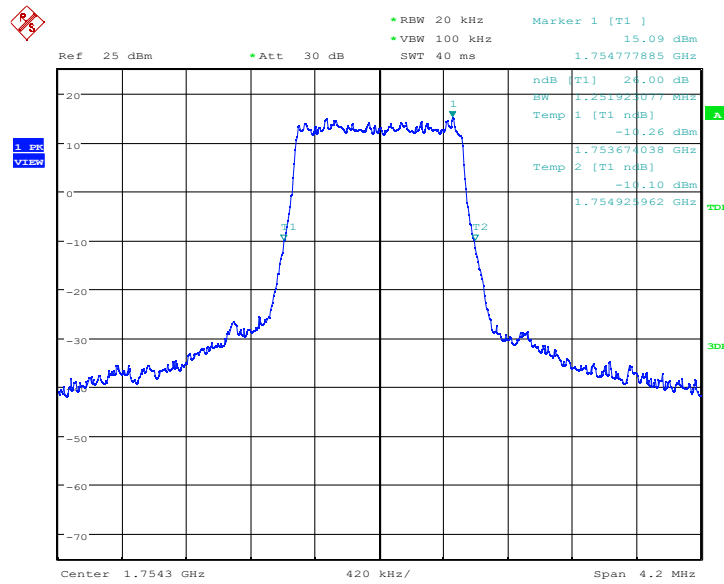
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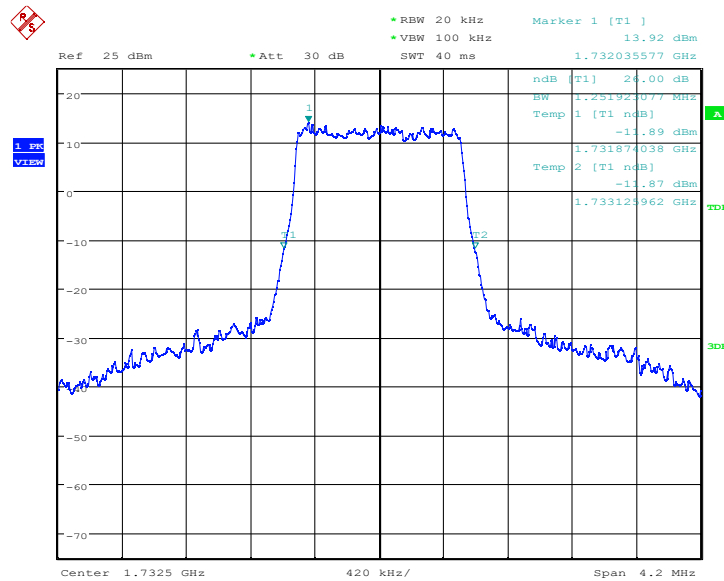
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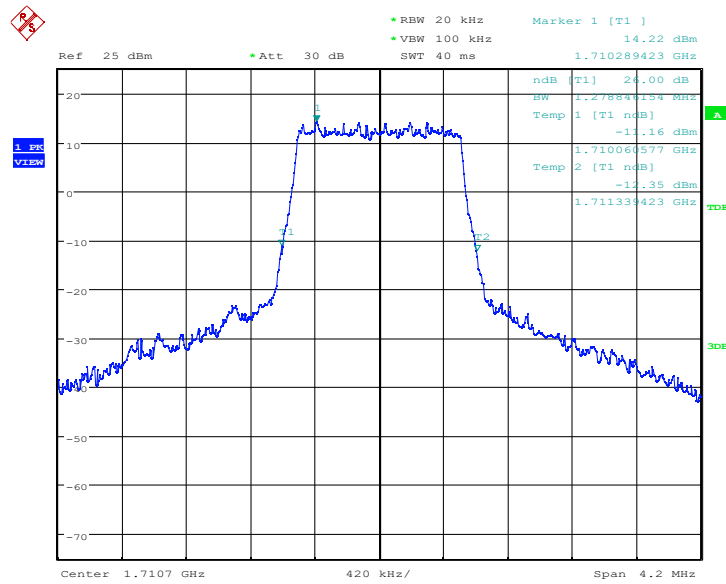
LTE band 4 , 1.4MHz Bandwidth,16QAM (-26dBc BW)



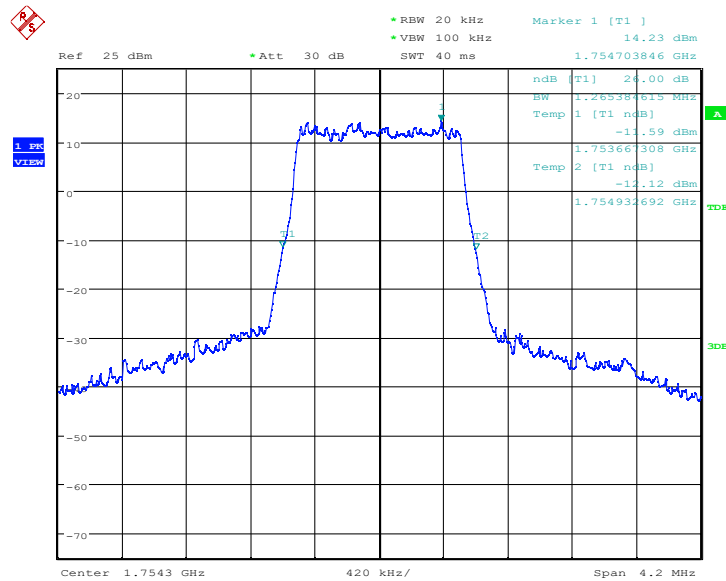
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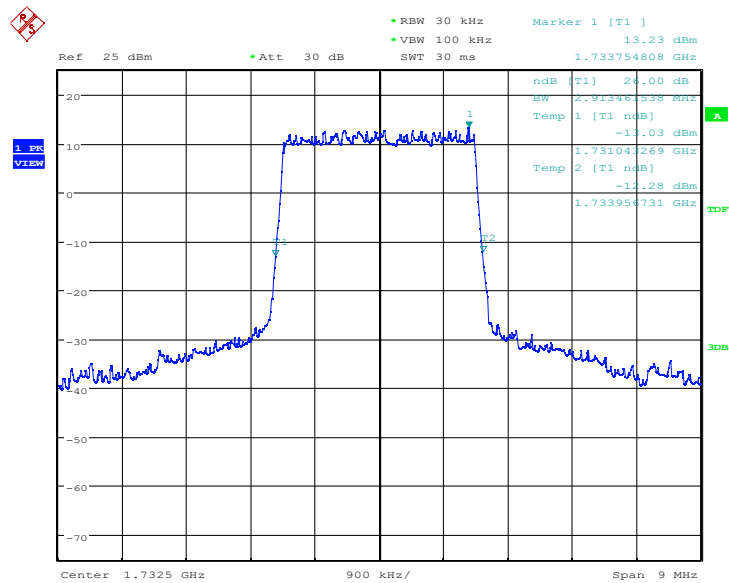
LTE band 4,3MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
1711.5	2.913	2.899
1732.5	2.913	2.913
1753.5	2.913	2.928

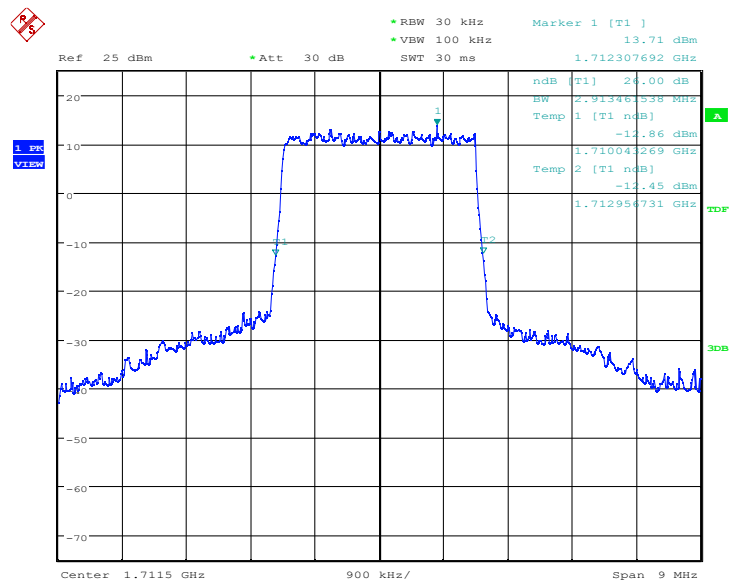
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Tel: 0086-23-88069965 FAX:0086-23-88608777

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



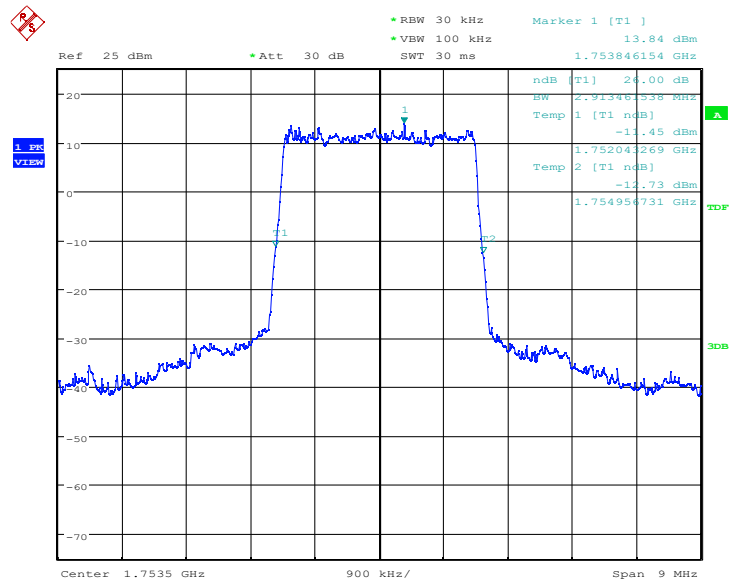
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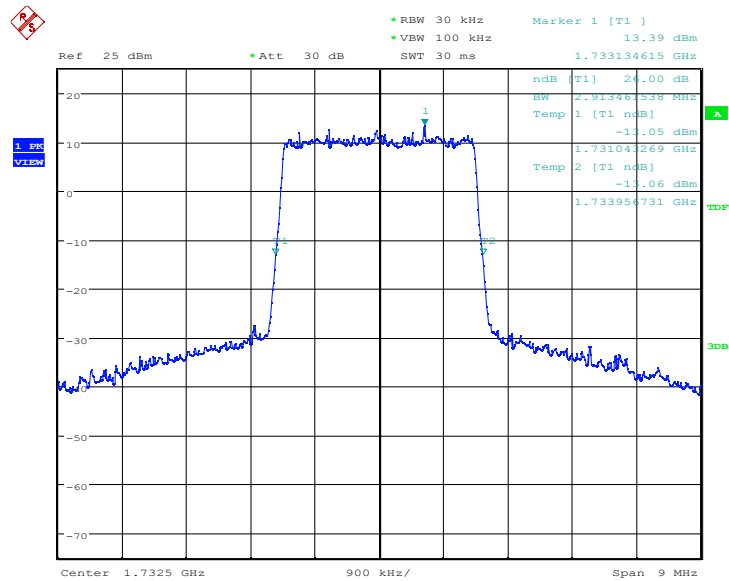
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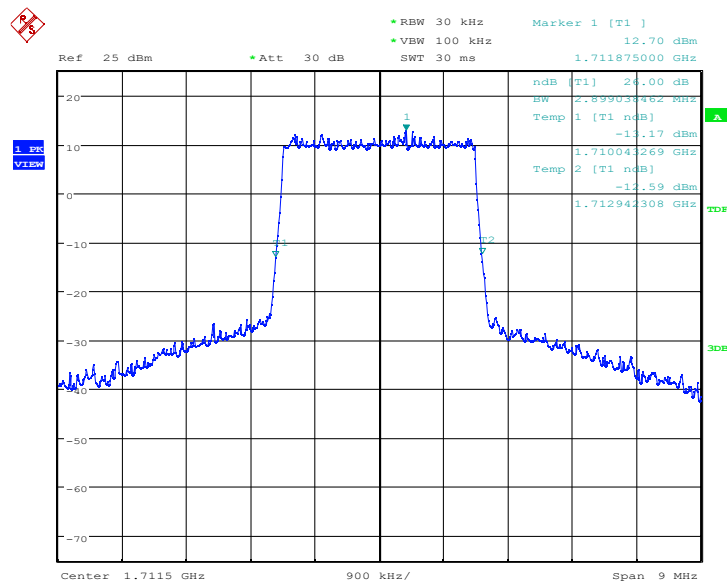
LTE band 4 , 3MHz Bandwidth,16QAM (-26dBc BW)



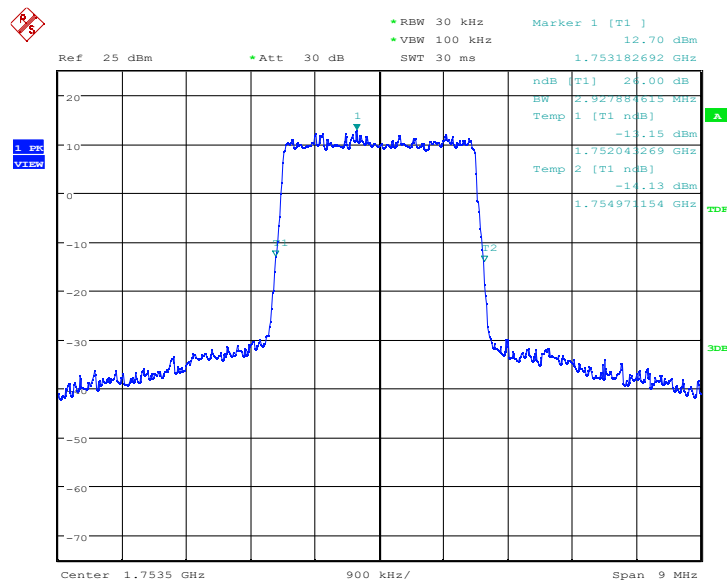
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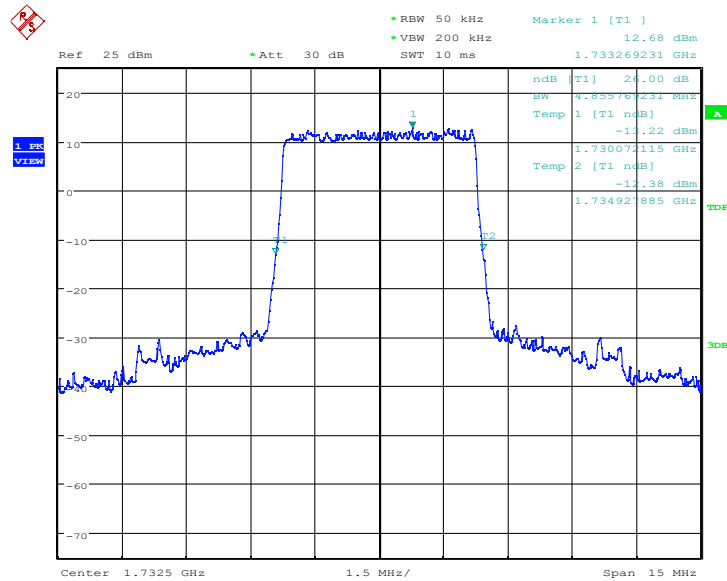
LTE band 4,5MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
1712.5	4.856	4.880
1732.5	4.856	4.880
1752.5	4.904	4.808

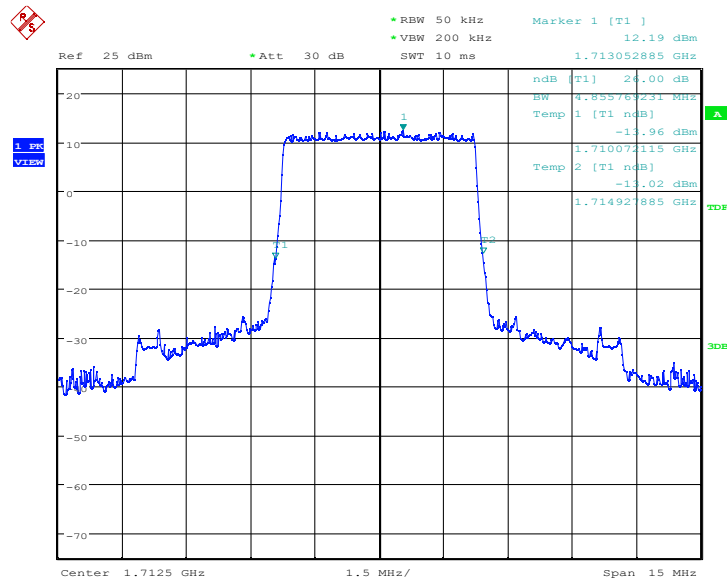
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LTE band 4 , 5MHz Bandwidth,QPSK (-26dBc BW)



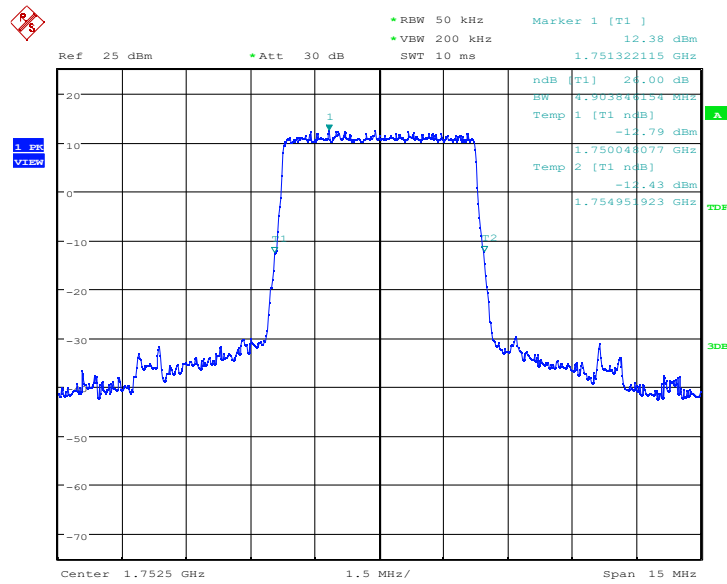
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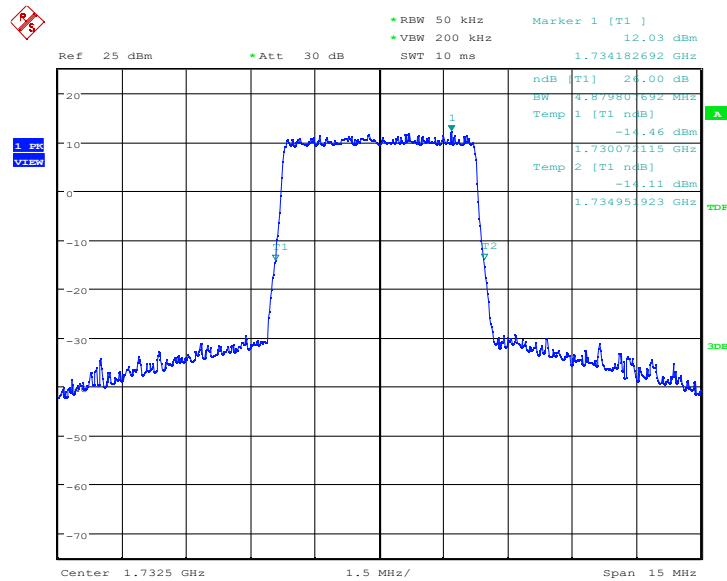
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Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 18.NOV.2022 23:47:46

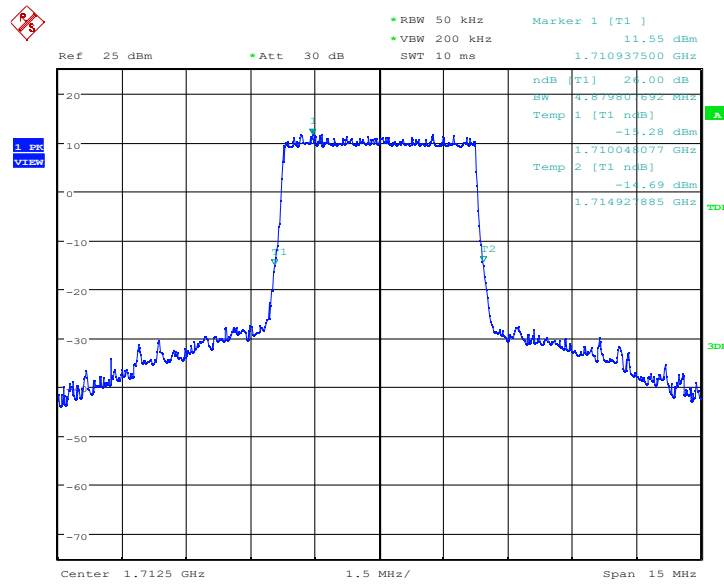
LTE band 4 , 5MHz Bandwidth,16QAM (-26dBc BW)



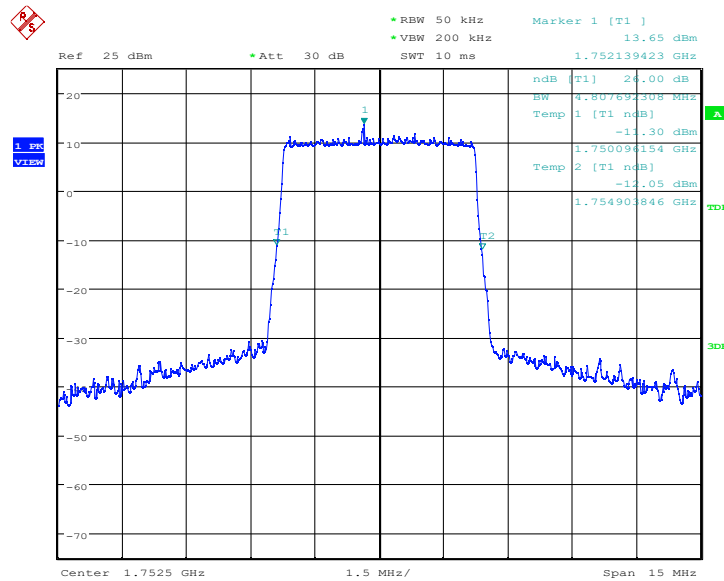
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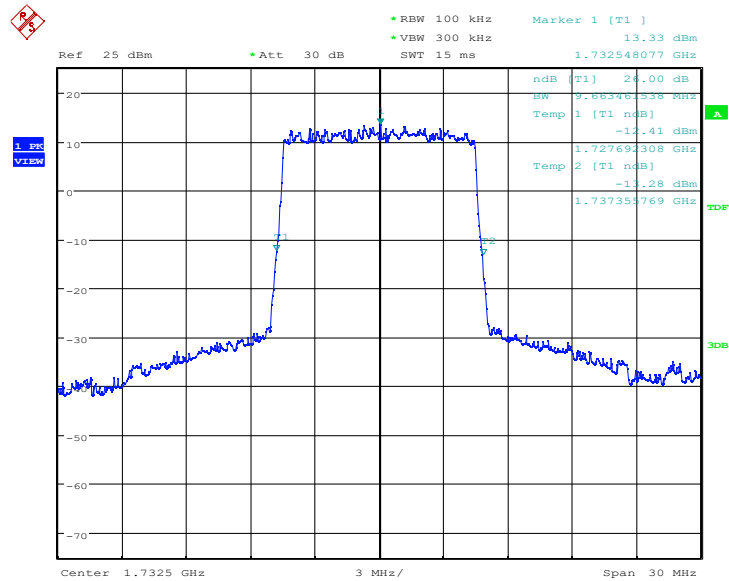
LTE band 4,10MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)
	QPSK
1715	9.615
1732.5	9.663
1750	9.712

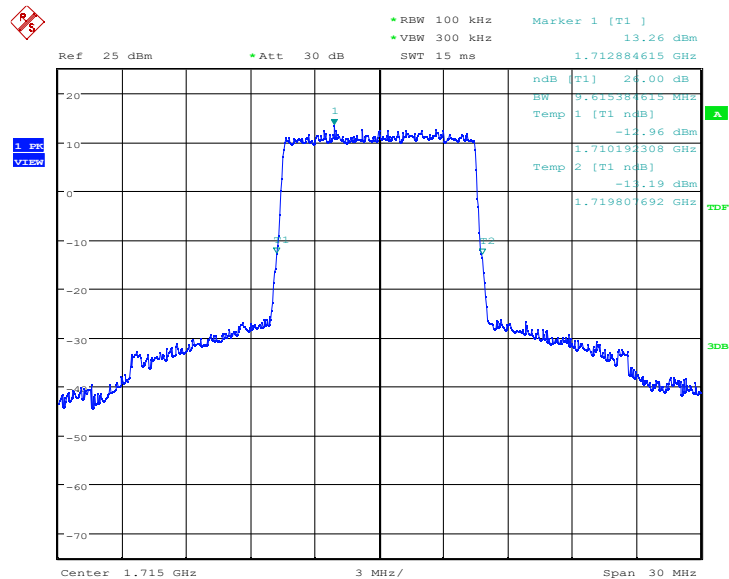
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LTE band 4 , 10MHz Bandwidth,QPSK (-26dBc BW)



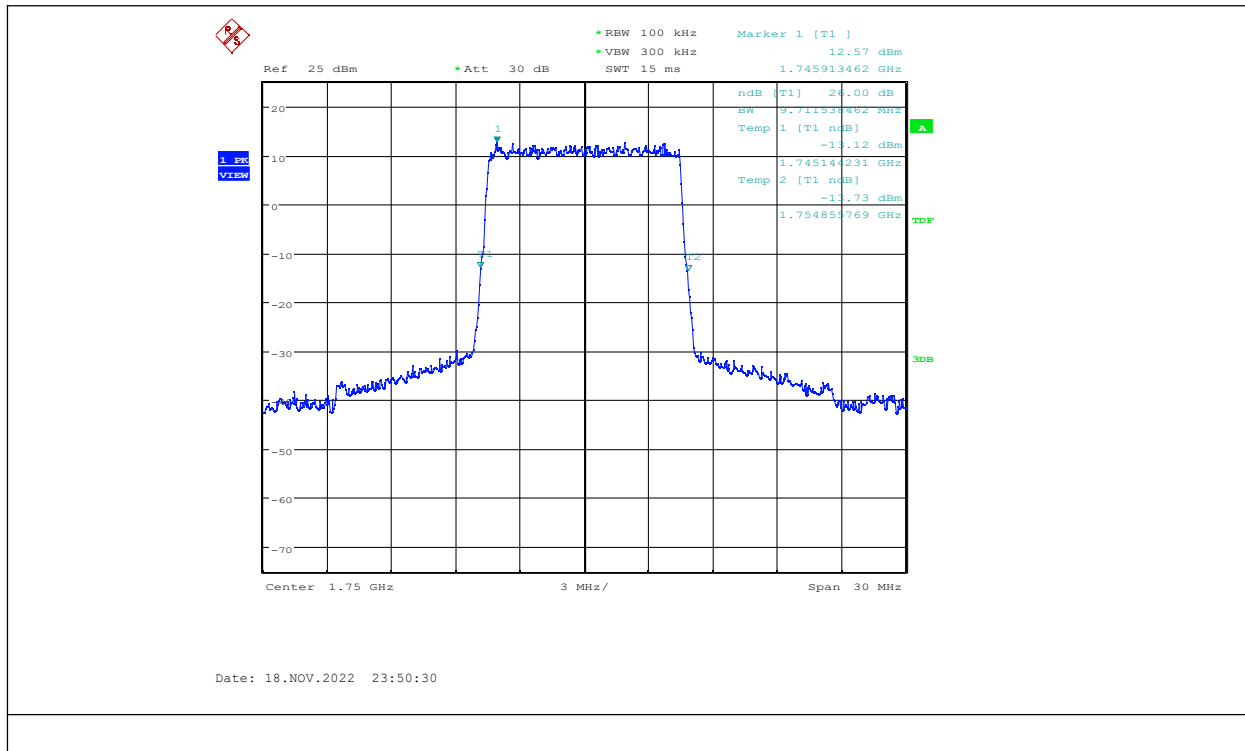
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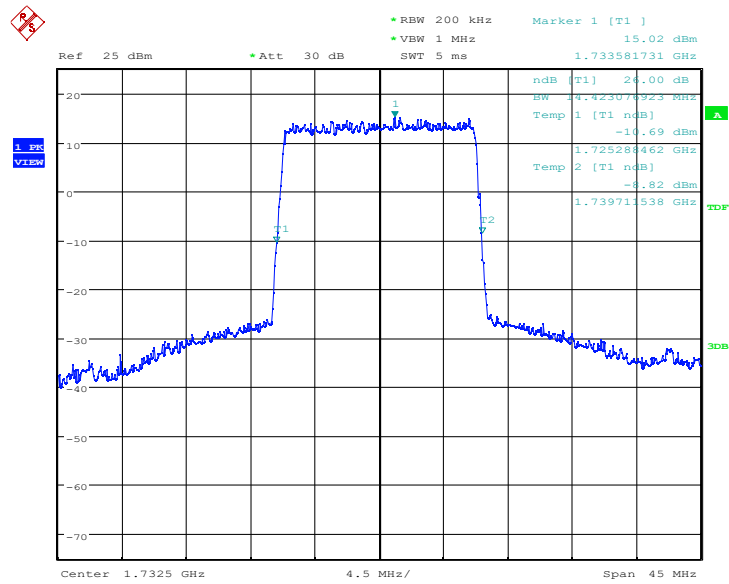


LTE band 4,15MHz(-26dBc)

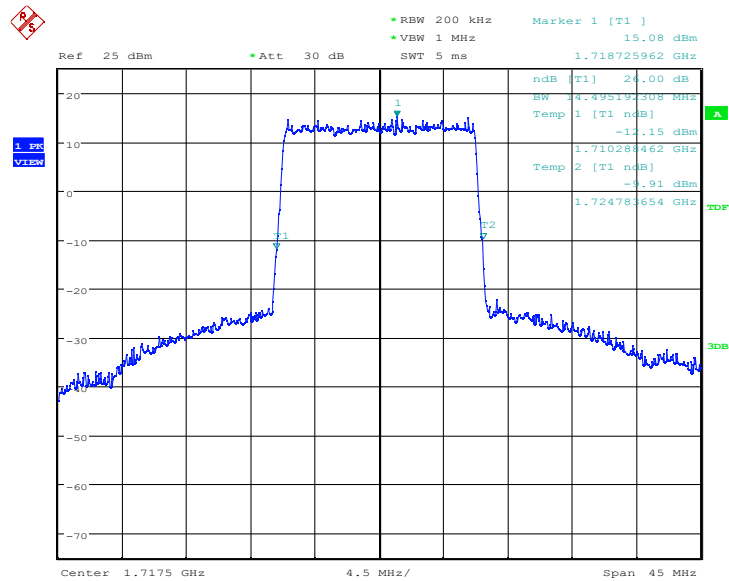
Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)
	QPSK
1717.5	14.495
1732.5	14.423
1747.5	14.423
LTE band 4 , 15MHz Bandwidth,QPSK (-26dBc BW)	

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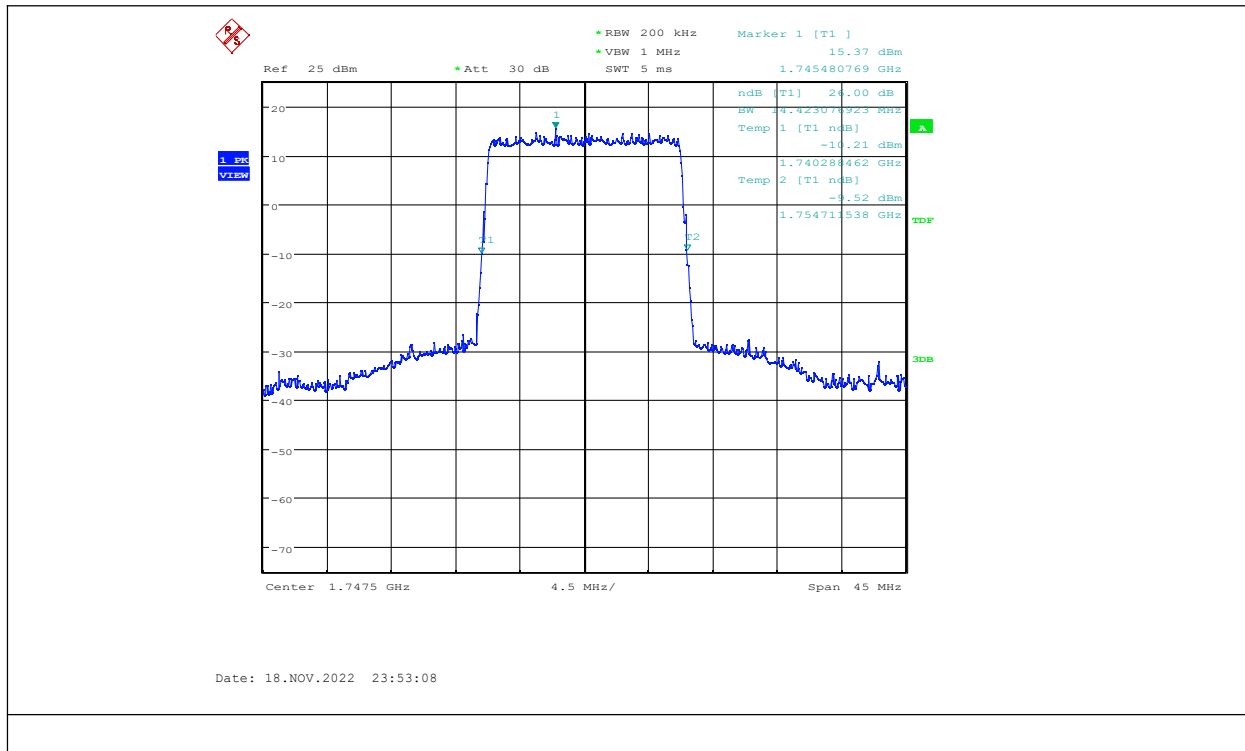
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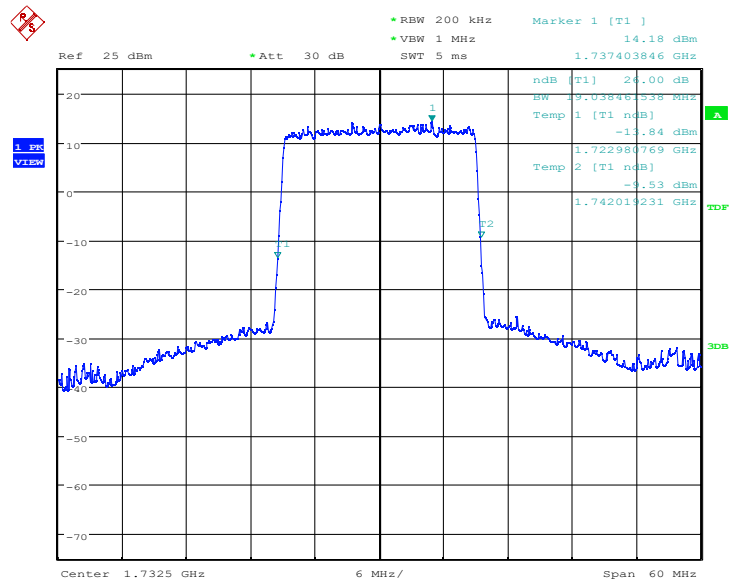
LTE band 4,20MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)
	QPSK
1720	19.038
1732.5	19.038
1745	19.038
LTE band 4 , 20MHz Bandwidth,QPSK (-26dBc BW)	

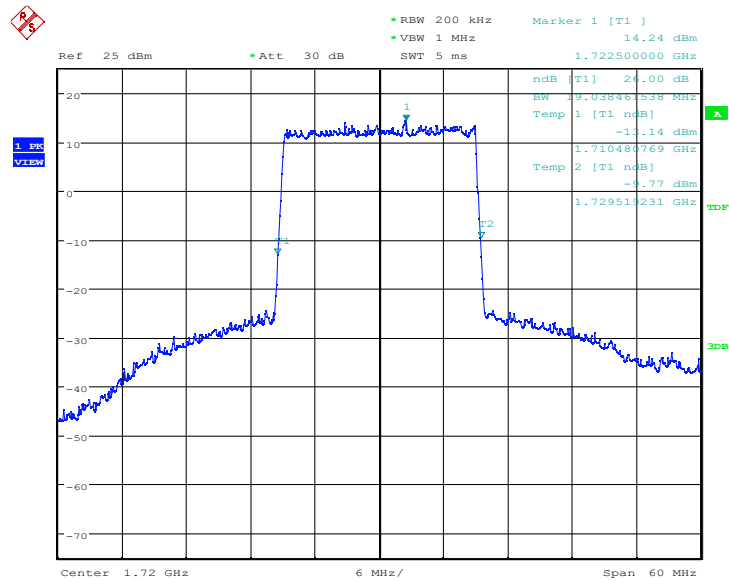
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Report No.: I22W00078-LTE-RF-FCC-Rev3



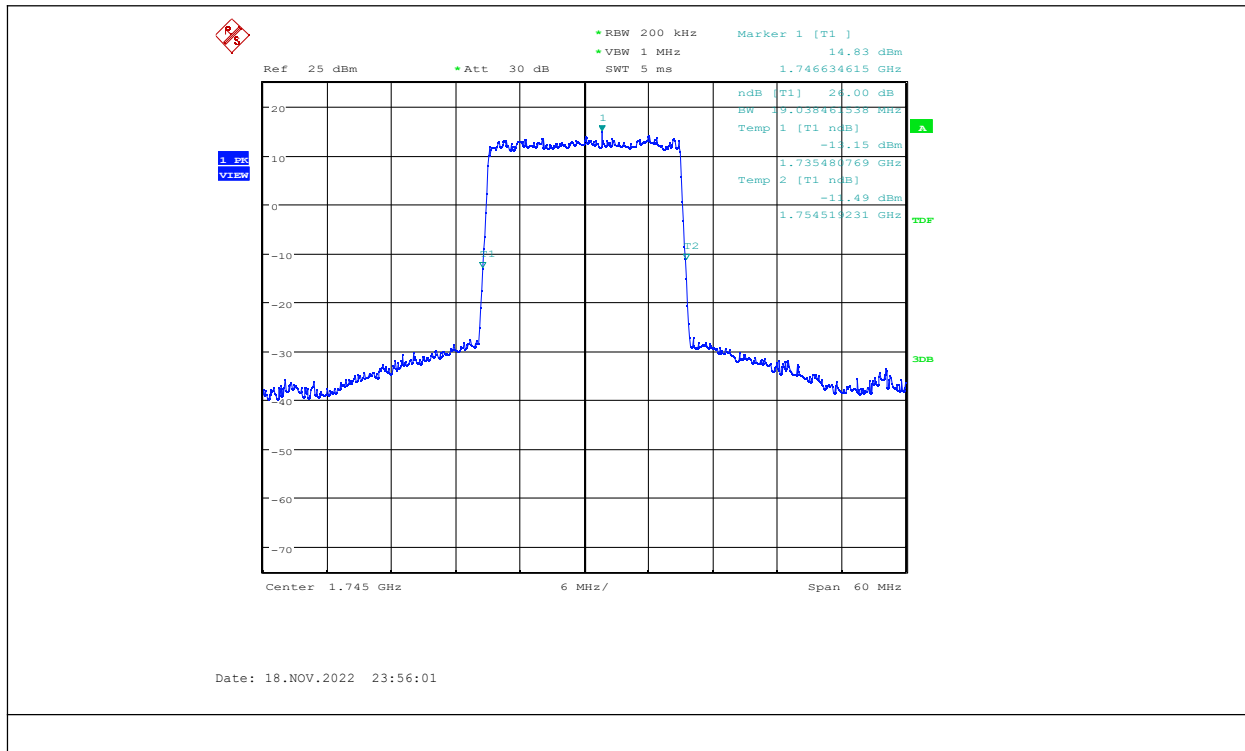
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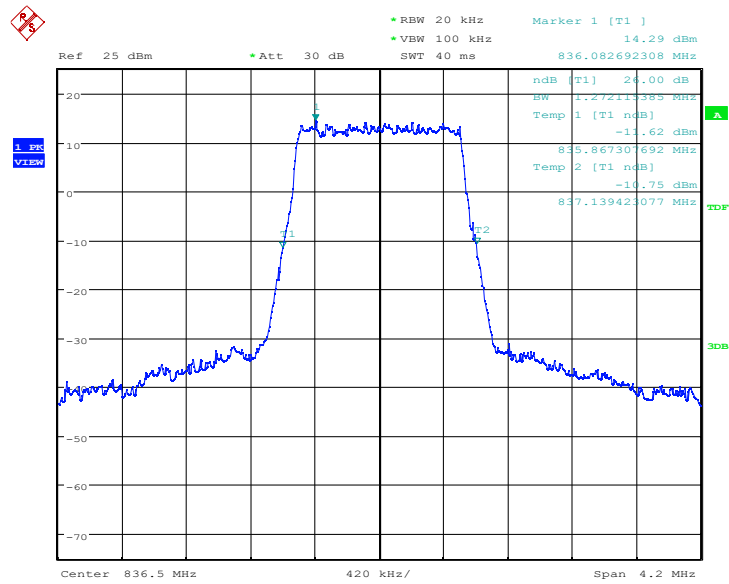


LTE band 5,1.4MHz(-26dBc)

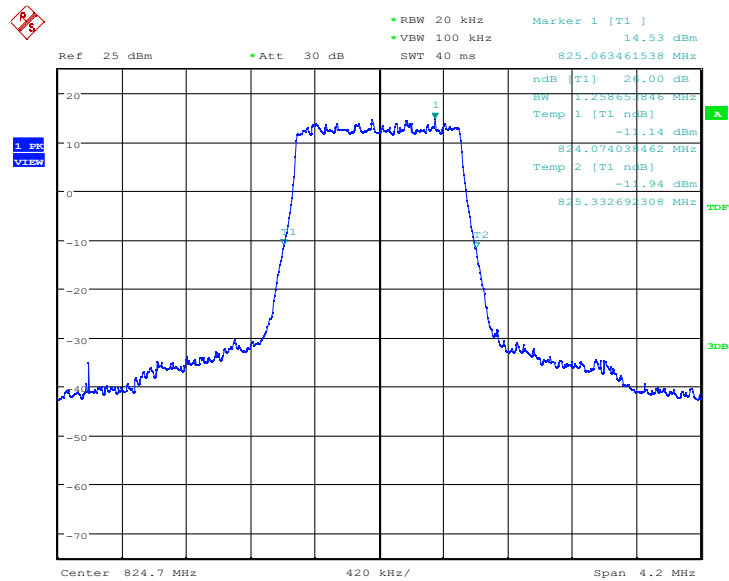
Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
824.7	1.259	1.279
836.5	1.272	1.259
848.3	1.259	1.259
LTE band 5 , 1.4MHz Bandwidth,QPSK (-26dBc BW)		

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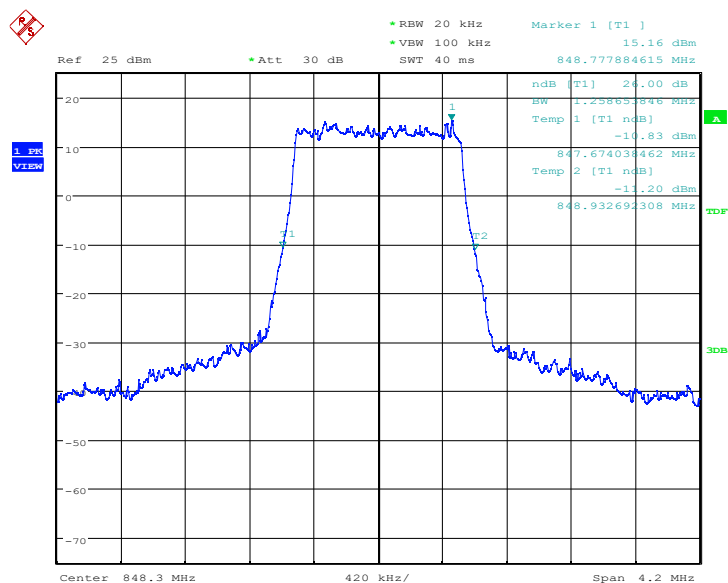
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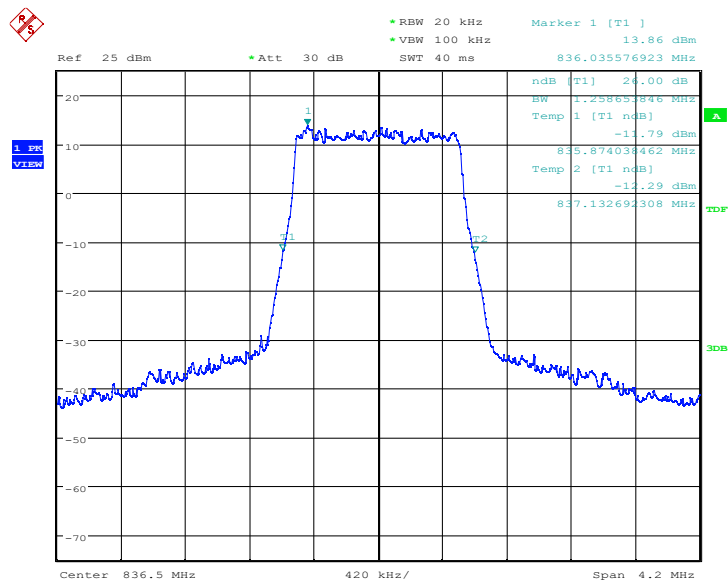
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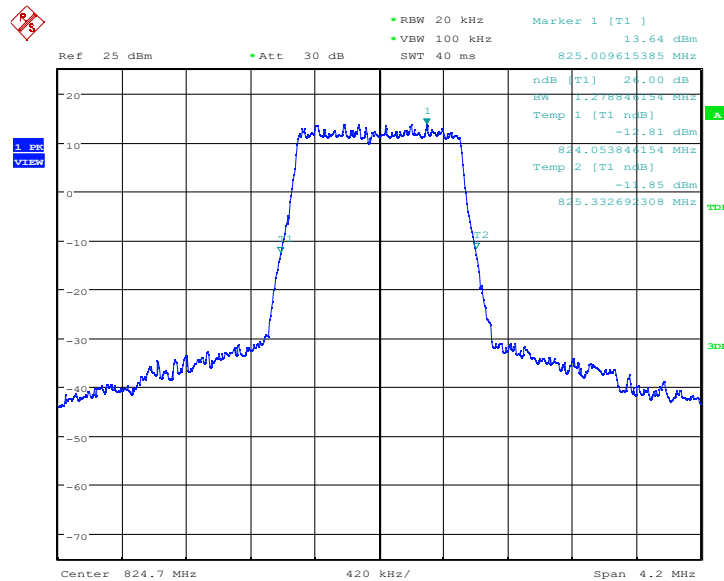
LTE band 5 , 1.4MHz Bandwidth,16QAM (-26dBc BW)



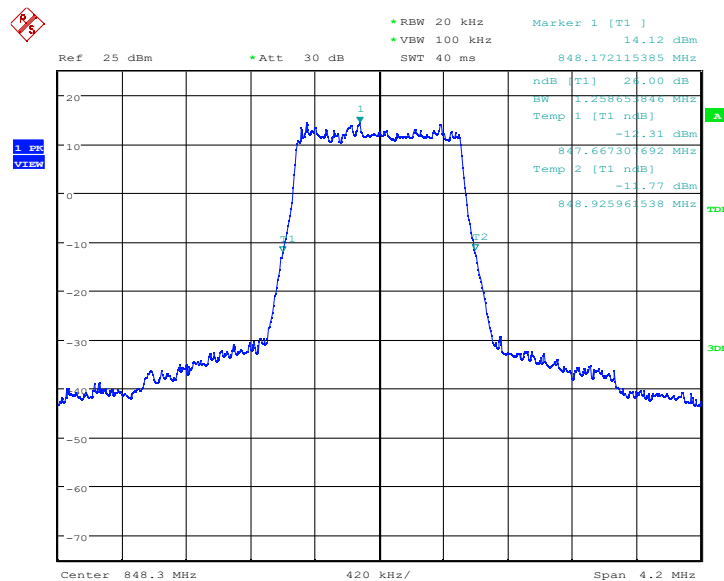
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Date: 18.NOV.2022 23:58:13



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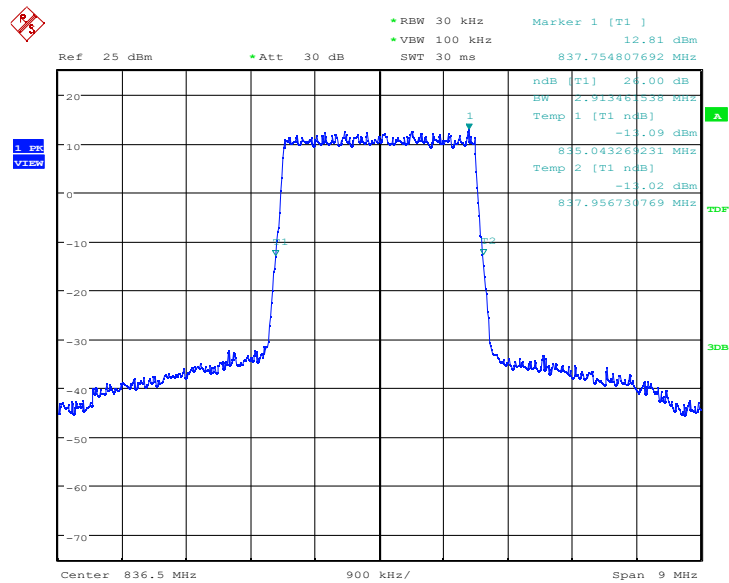
LTE band 5,3MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
825.5	2.913	2.928
836.5	2.913	2.899
847.5	2.913	2.928

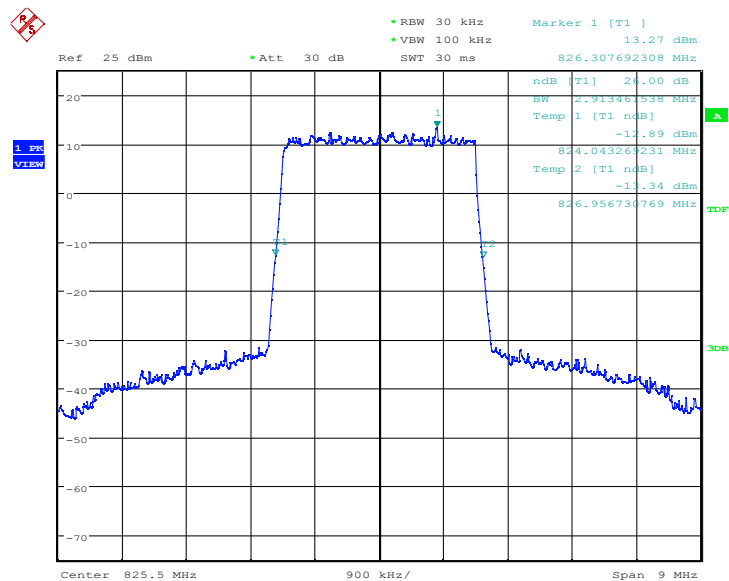
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LTE band 5 , 3MHz Bandwidth,QPSK (-26dBc BW)



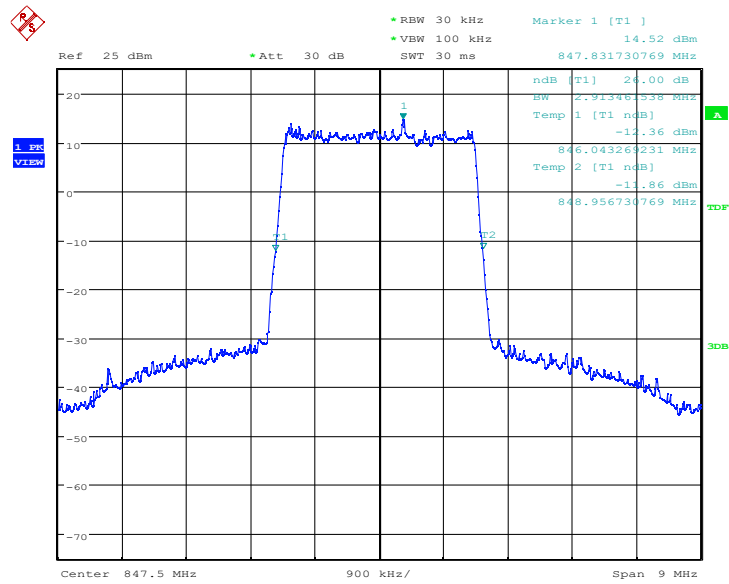
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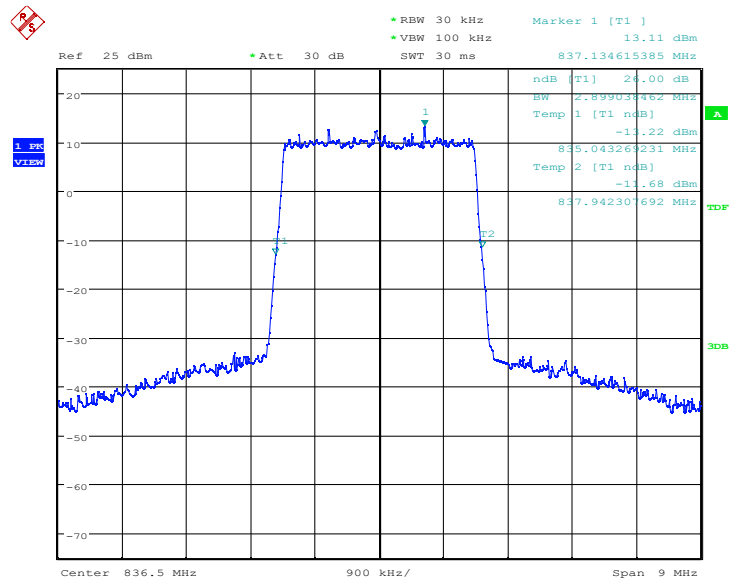
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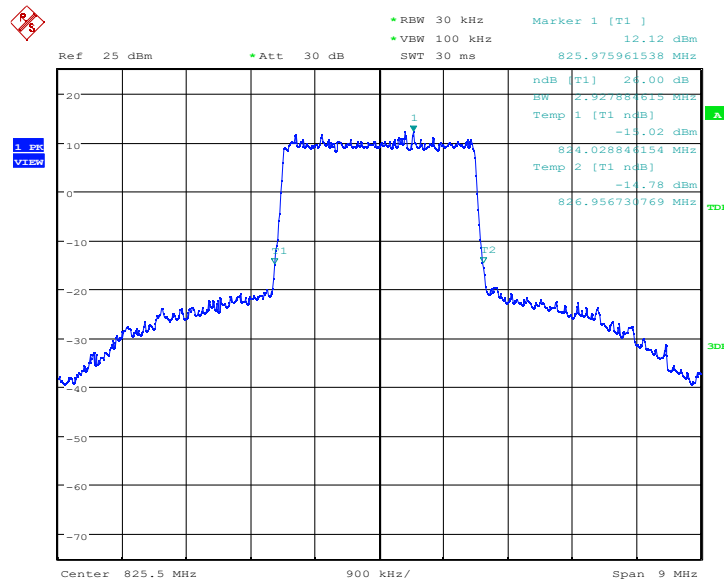
LTE band 5 , 3MHz Bandwidth,16QAM (-26dBc BW)



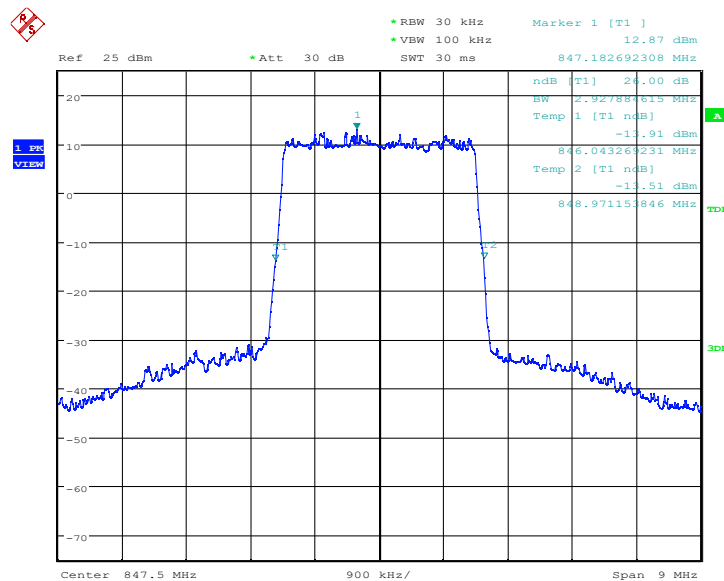
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Date: 19.NOV.2022 00:00:54



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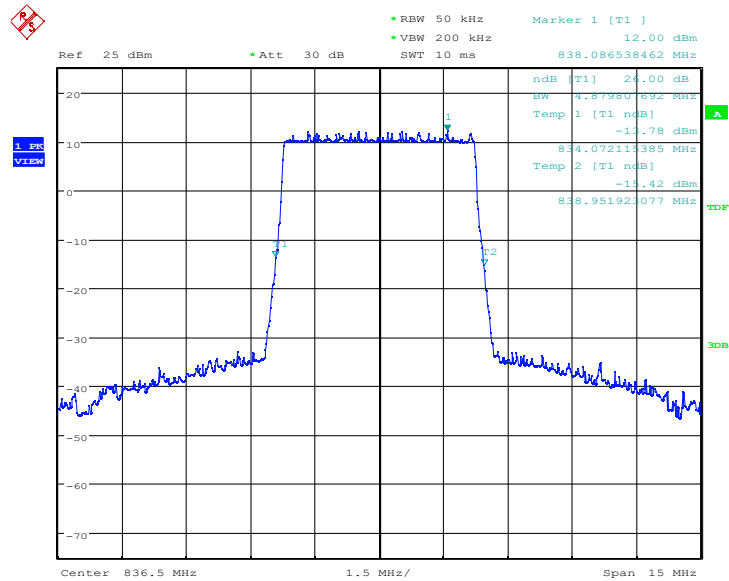
LTE band 5,5MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
826.5	4.856	4.880
836.5	4.880	4.880
846.5	4.880	4.808

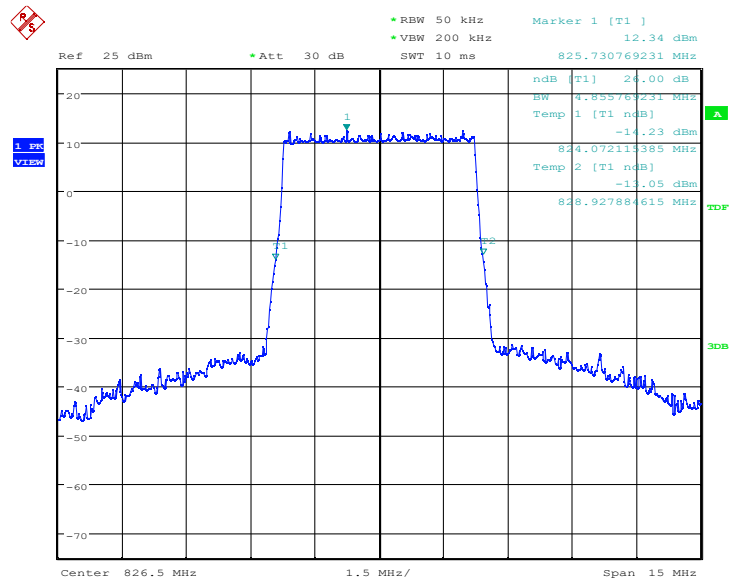
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LTE band 5 , 5MHz Bandwidth,QPSK (-26dBc BW)



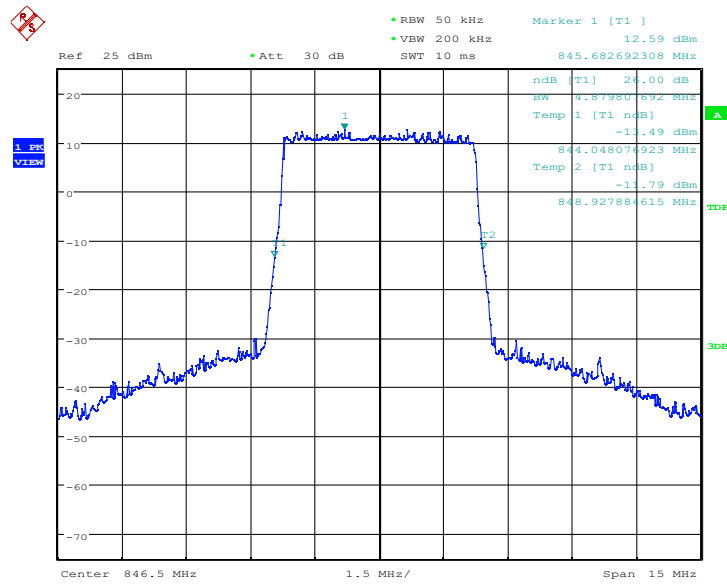
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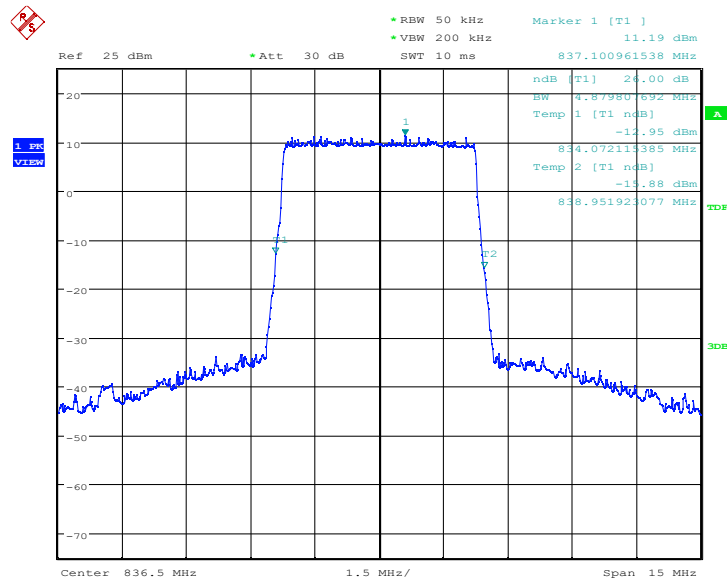
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Date: 19.NOV.2022 00:04:44

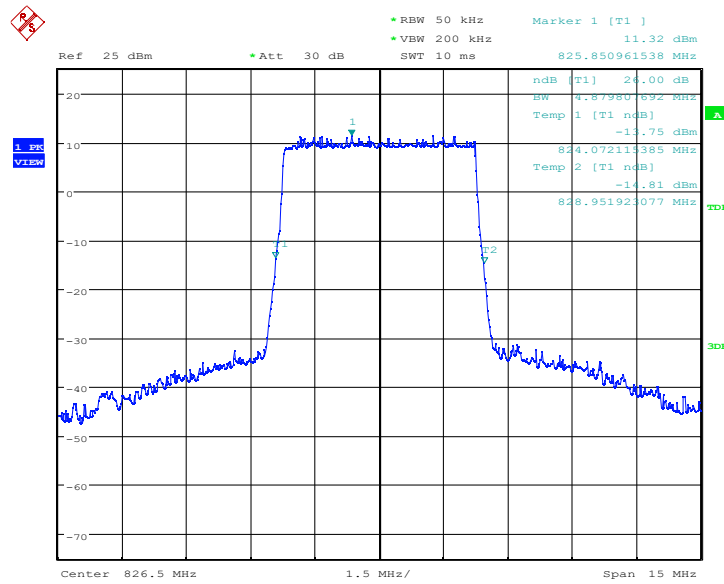
LTE band 5 , 5MHz Bandwidth,16QAM (-26dBc BW)



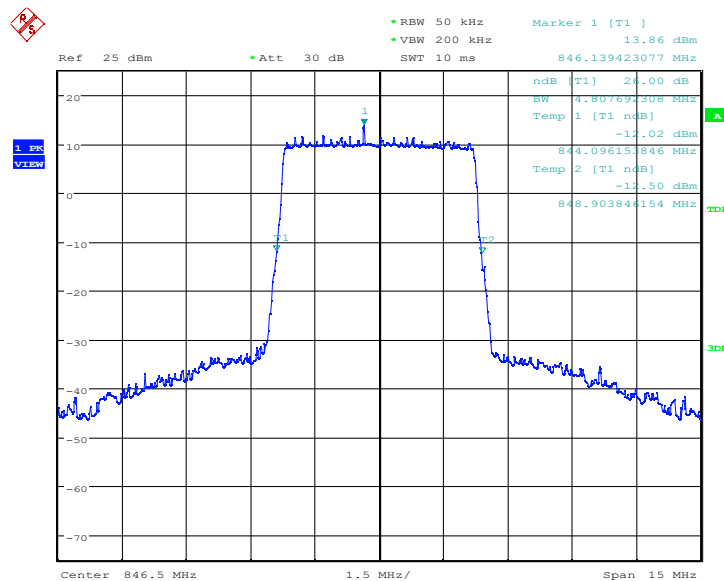
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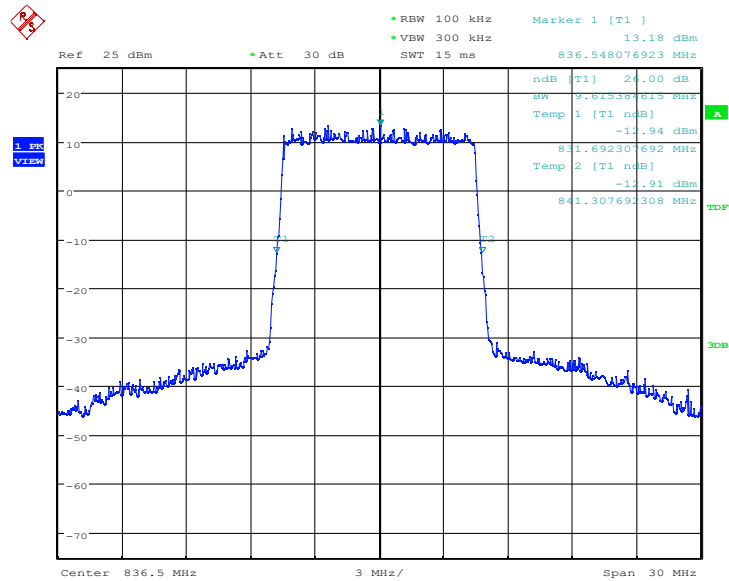
LTE band 5,10MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)
	QPSK
829	9.567
836.5	9.615
844	9.615

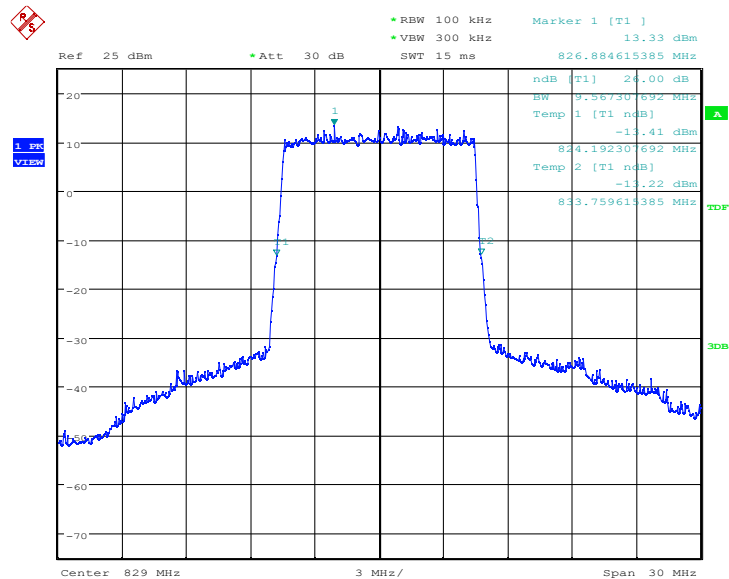
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LTE band 5 , 10MHz Bandwidth,QPSK (-26dBc BW)



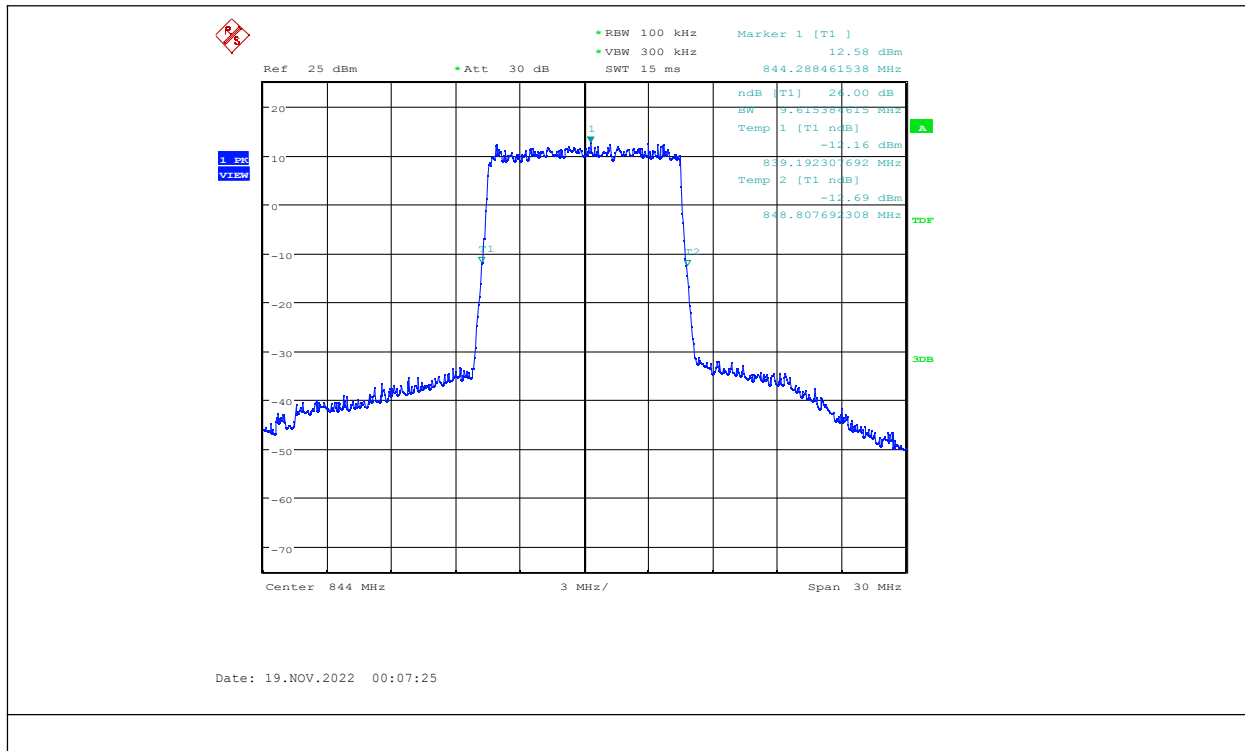
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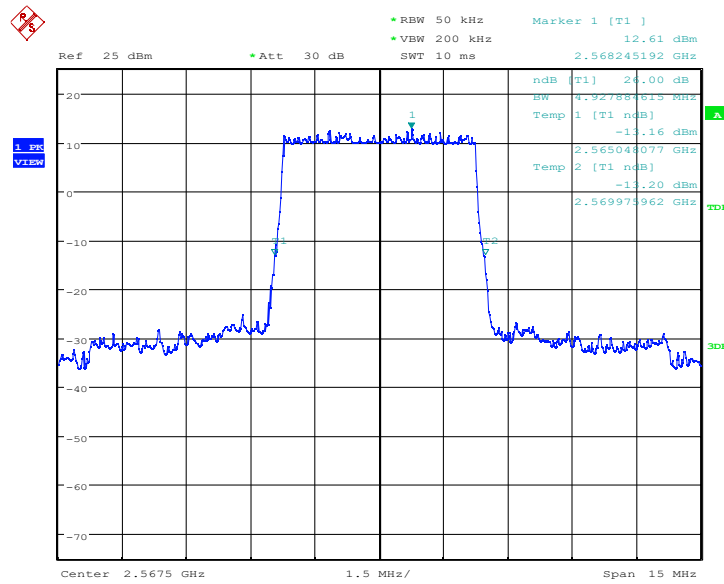
LTE band 7,5MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
2502.5	4.880	4.856
2535	4.856	4.904
2567.5	4.928	4.880
LTE band 7 , 5MHz Bandwidth,QPSK (-26dBc BW)		

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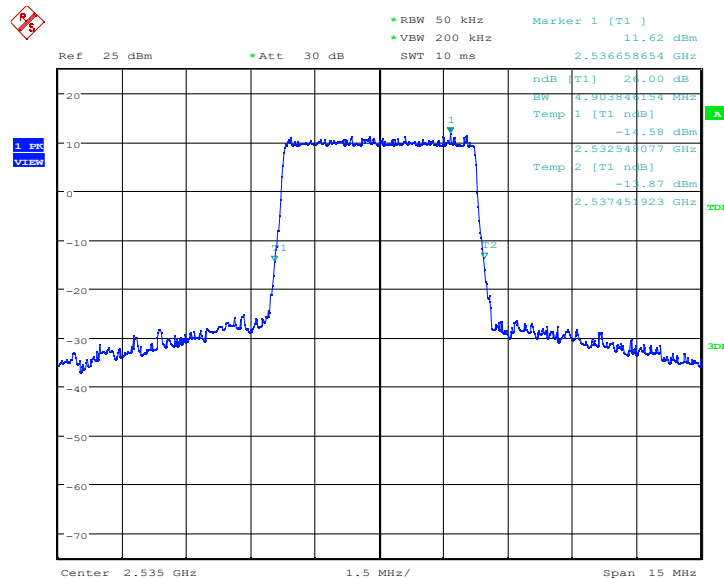
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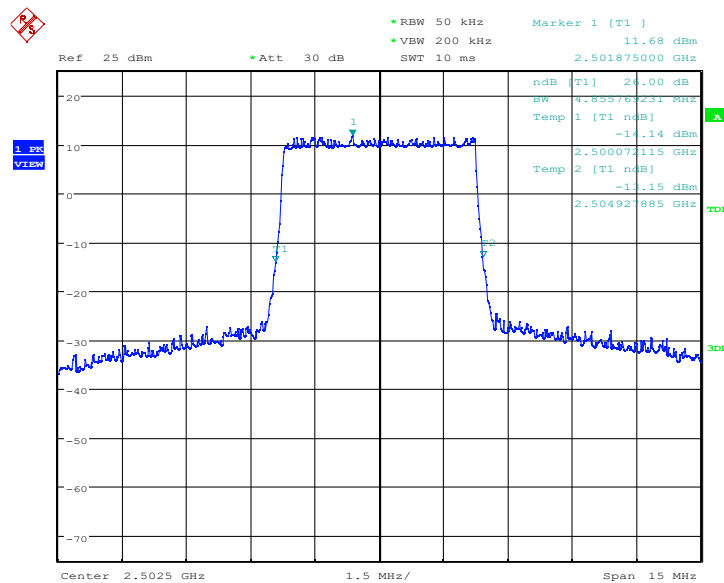
LTE band 7 , 5MHz Bandwidth,16QAM (-26dBc BW)



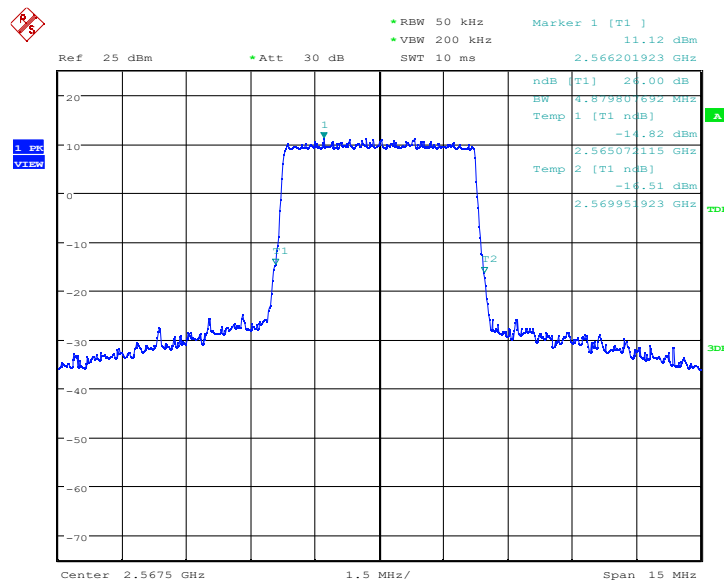
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Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 19.NOV.2022 00:08:47



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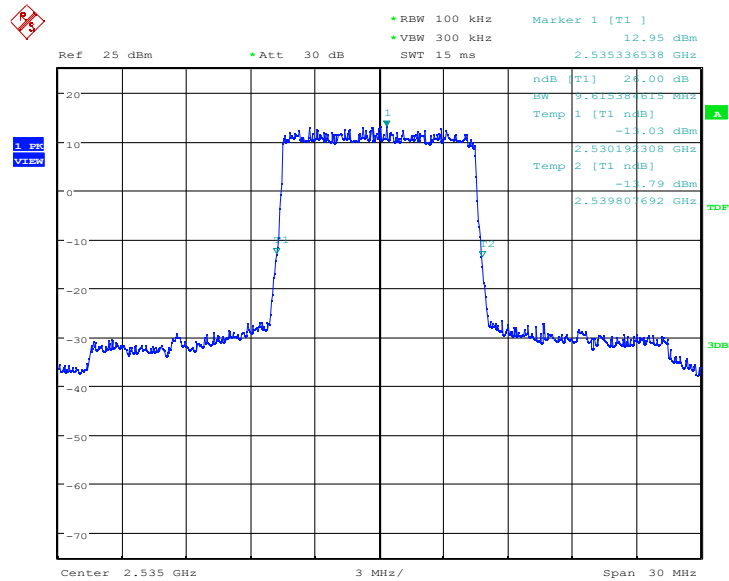
LTE band 7,10MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)
	QPSK
2505	9.615
2535	9.615
2565	9.663

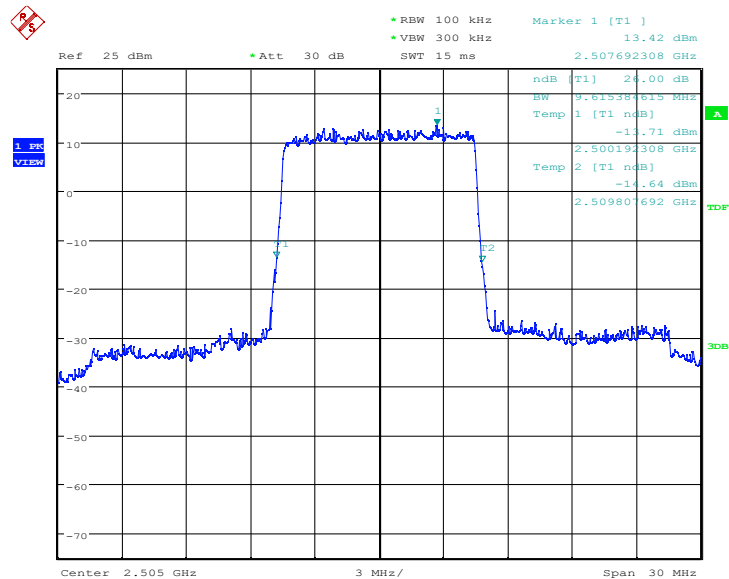
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LTE band 7 , 10MHz Bandwidth,QPSK (-26dBc BW)



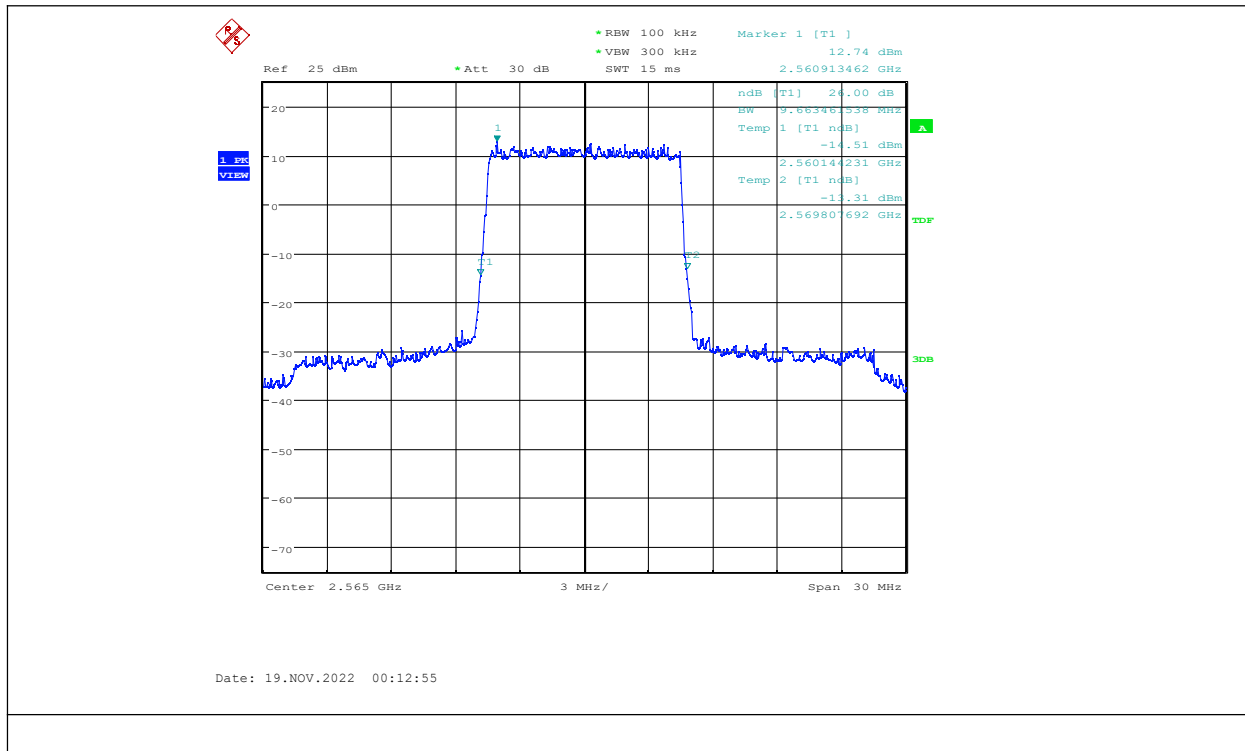
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LTE band 7,15MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)
	QPSK
2507.5	14.423
2535	14.495
2562.5	14.423
LTE band 7 , 15MHz Bandwidth,QPSK (-26dBc BW)	

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R
S

• RBW 200 kHz • VBW 1 MHz • Att 30 dB Ref 25 dBm Marker 1 [T1] 14.59 dBm

SWT 5 ms 2.531682692 GHz

ndB [T1] 24.00 dB
BW 4.495194308 MHz
Temp 1 [T1 n dB] -8.58 dBm
2.527784462 GHz
Temp 2 [T1 n dB] -10.39 dBm
2.542283654 GHz

T1 T2

1 dB
VIEW

A
TDR
3D

Center 2.535 GHz 4.5 MHz/ Span 45 MHz

1 dB View

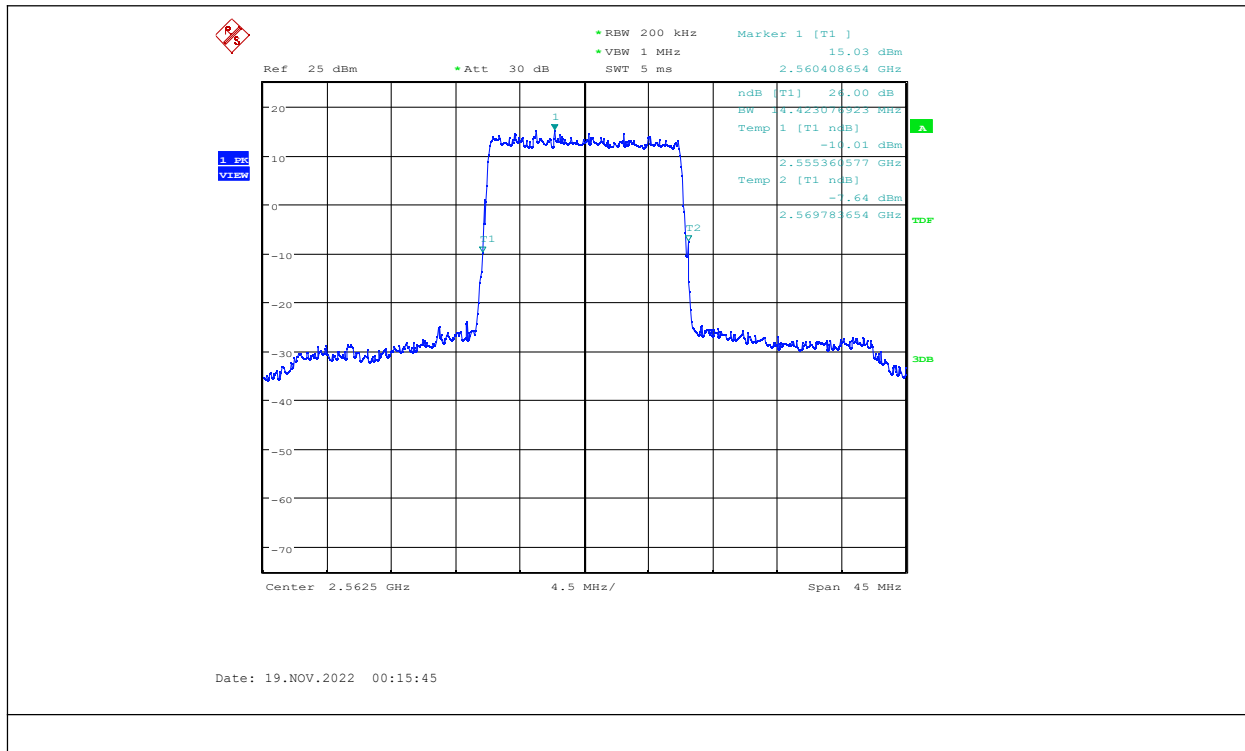
Ref 25 dBm Att 30 dB RBW 200 kHz VBW 1 MHz SWT 5 ms

Marker 1 [T1] 15.23 dBm 2.513774038 GHz

Marker 2 [T2] -3.99 dBm 2.514783654 GHz

Center 2.5075 GHz 4.5 MHz/ Span 45 MHz

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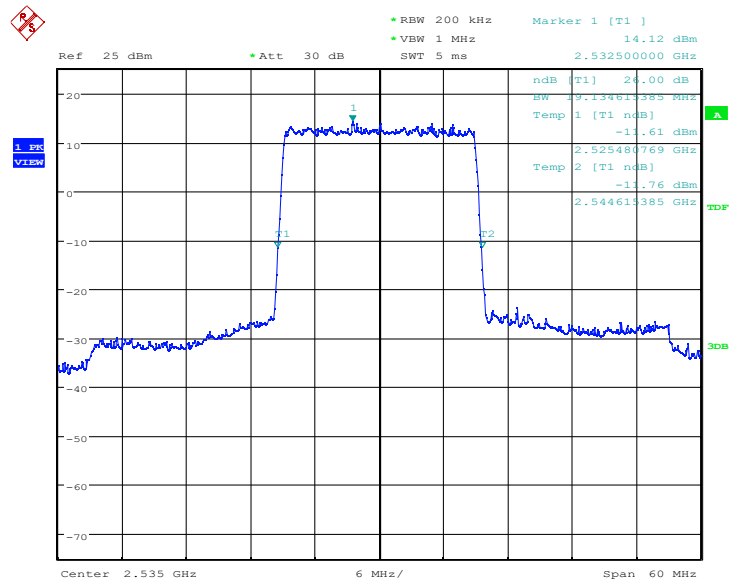
LTE band 7,20MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)
	QPSK
2510	19.135
2535	19.135
2560	18.942
LTE band 7 , 20MHz Bandwidth,QPSK (-26dBc BW)	

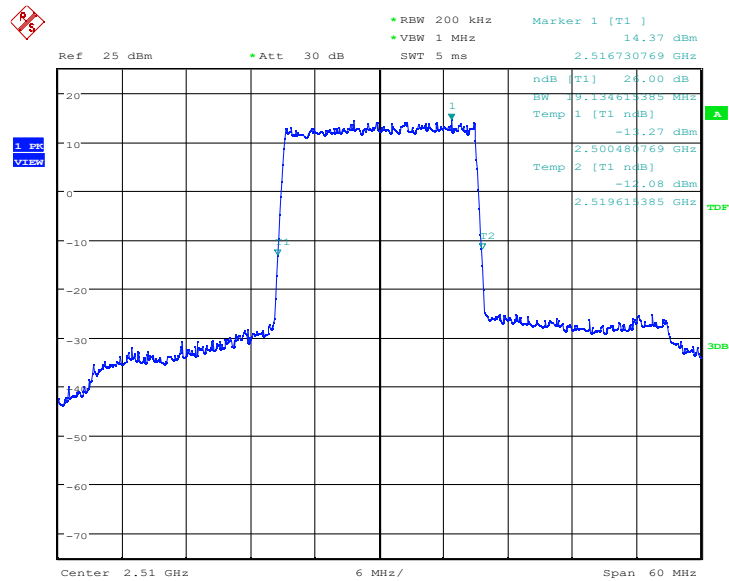
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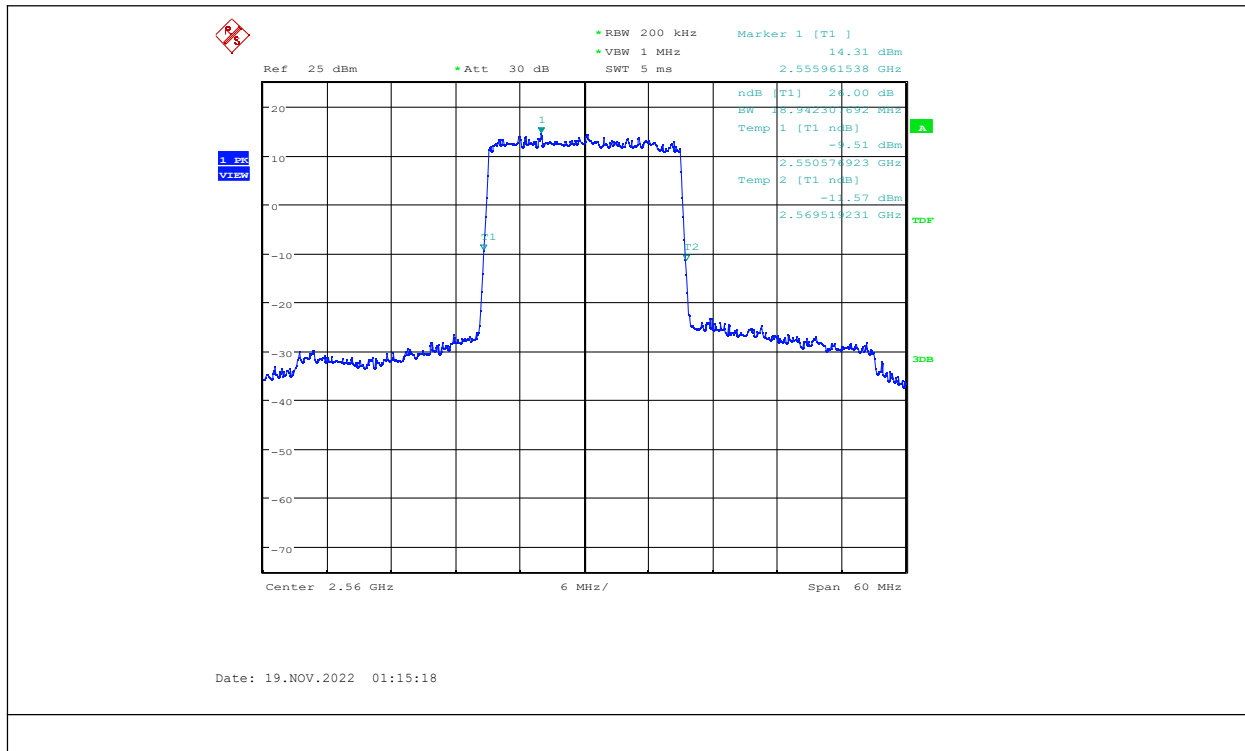
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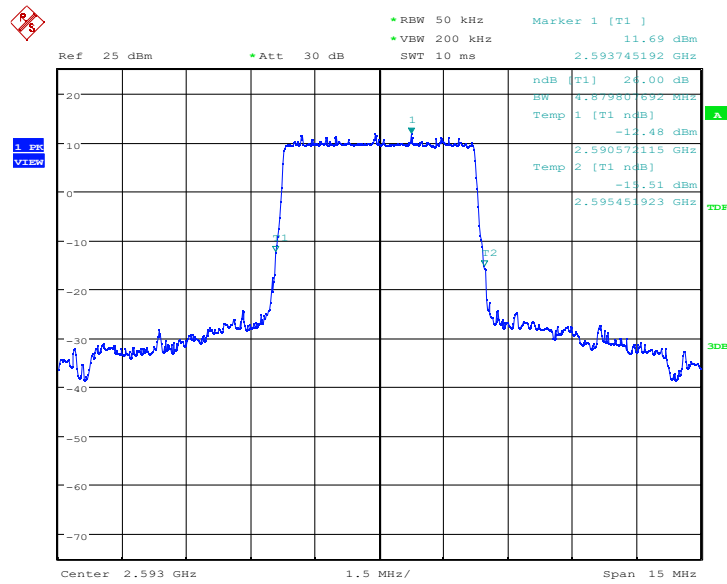
LTE band 41,5MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
2498.5	4.808	4.832
2593	4.880	4.904
2687.5	4.832	4.904
LTE band 41 , 5MHz Bandwidth,QPSK (-26dBc BW)		

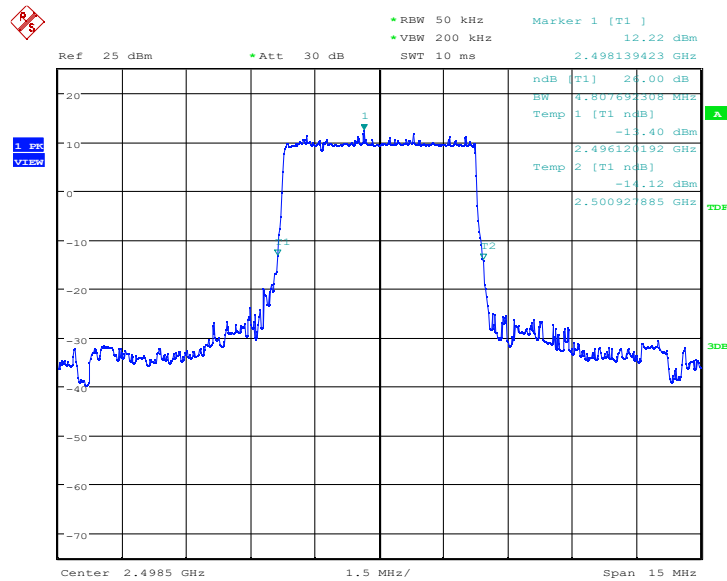
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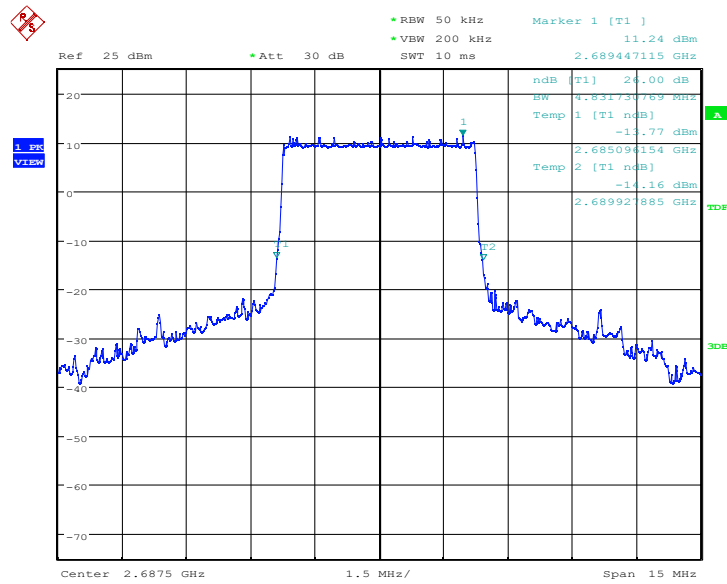
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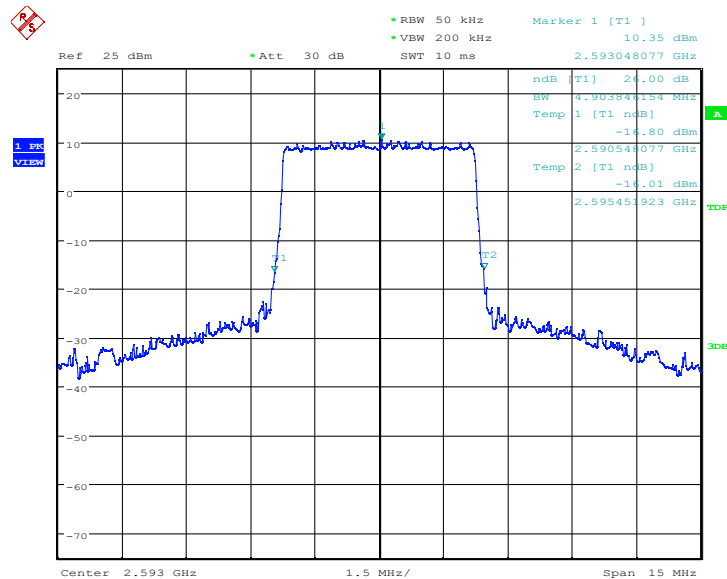
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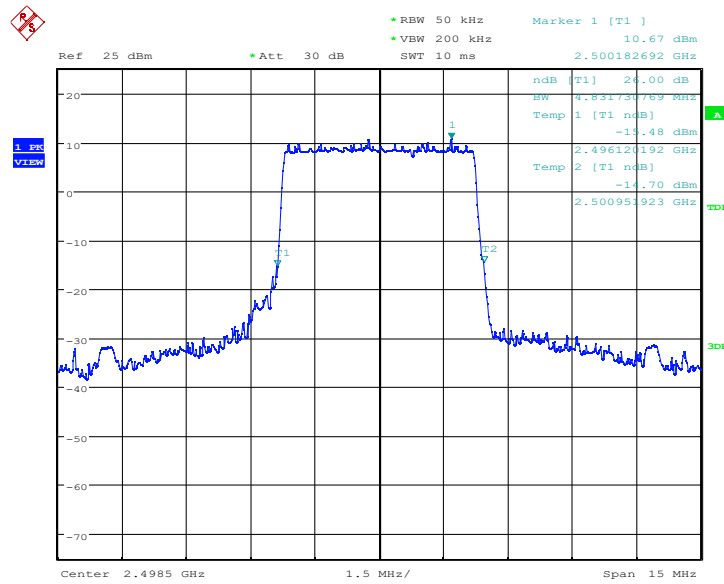
LTE band 41 , 5MHz Bandwidth,16QAM (-26dBc BW)



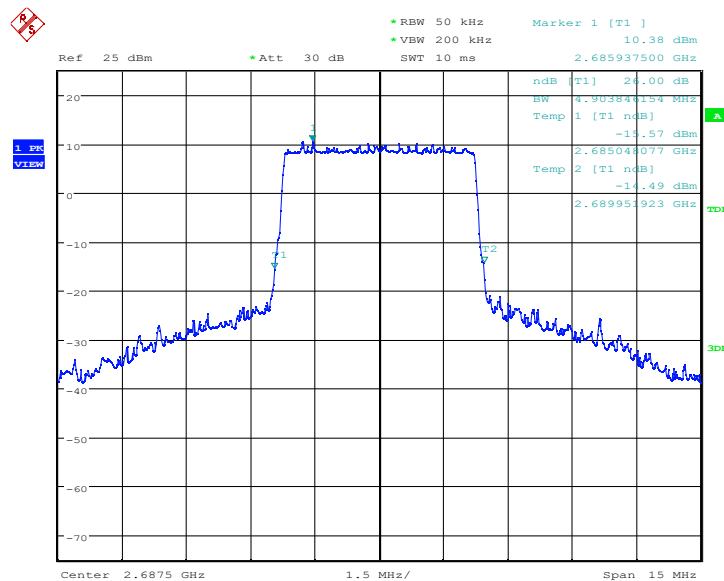
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Tel: 0086-23-88069965 FAX:0086-23-88608777



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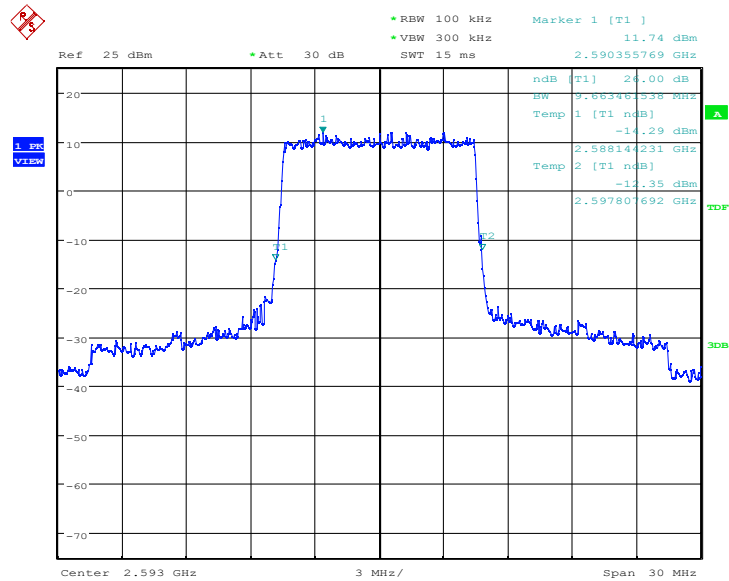
LTE band 41,10MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)
	QPSK
2501	9.615
2593	9.663
2685	9.615

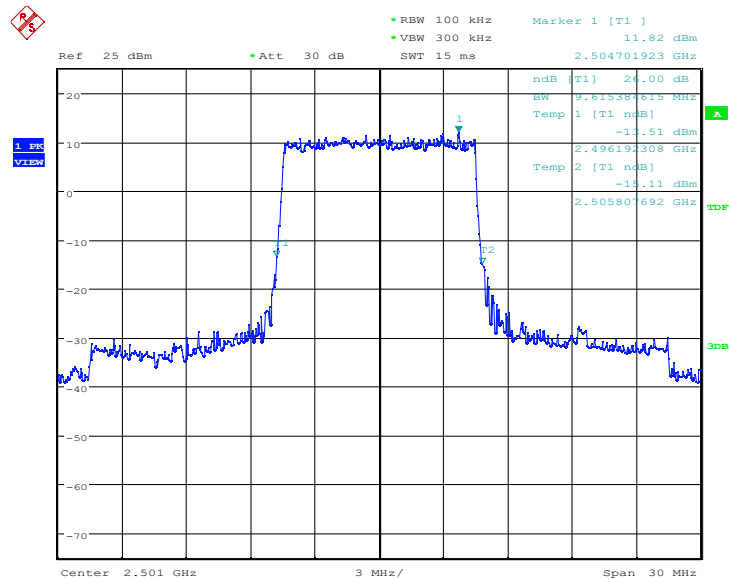
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LTE band 41 , 10MHz Bandwidth,QPSK (-26dBc BW)



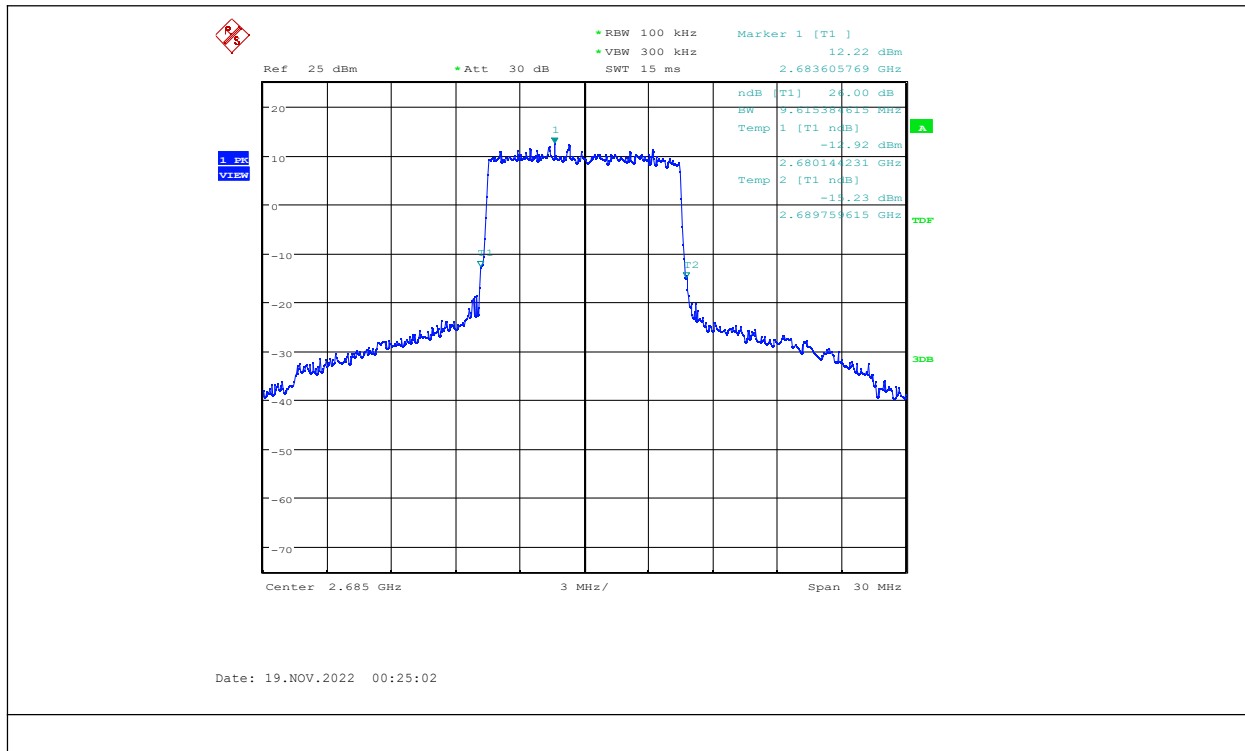
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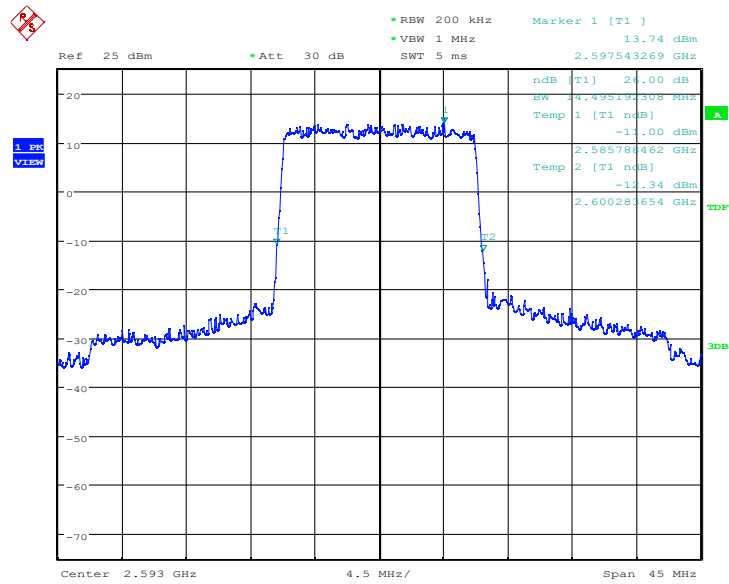
LTE band 41,15MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)
	QPSK
2503.5	14.495
2593	14.495
2682.5	14.423
LTE band 41 , 15MHz Bandwidth,QPSK (-26dBc BW)	

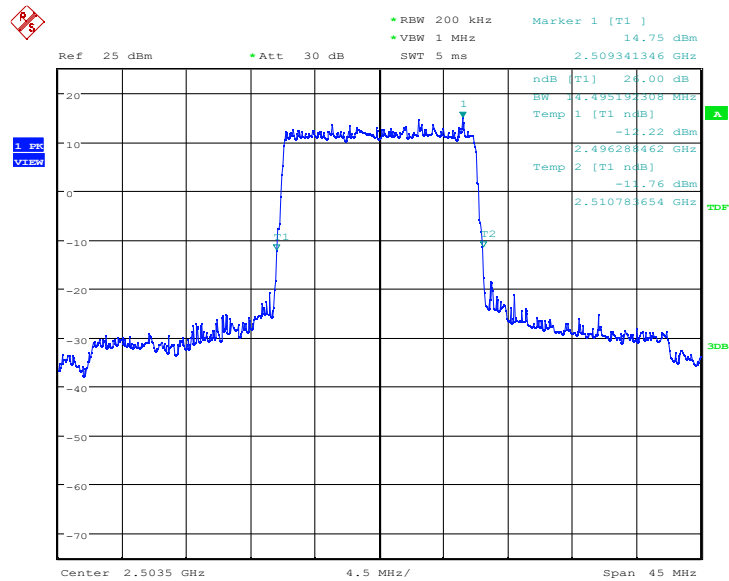
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Report No.: I22W00078-LTE-RF-FCC-Rev3



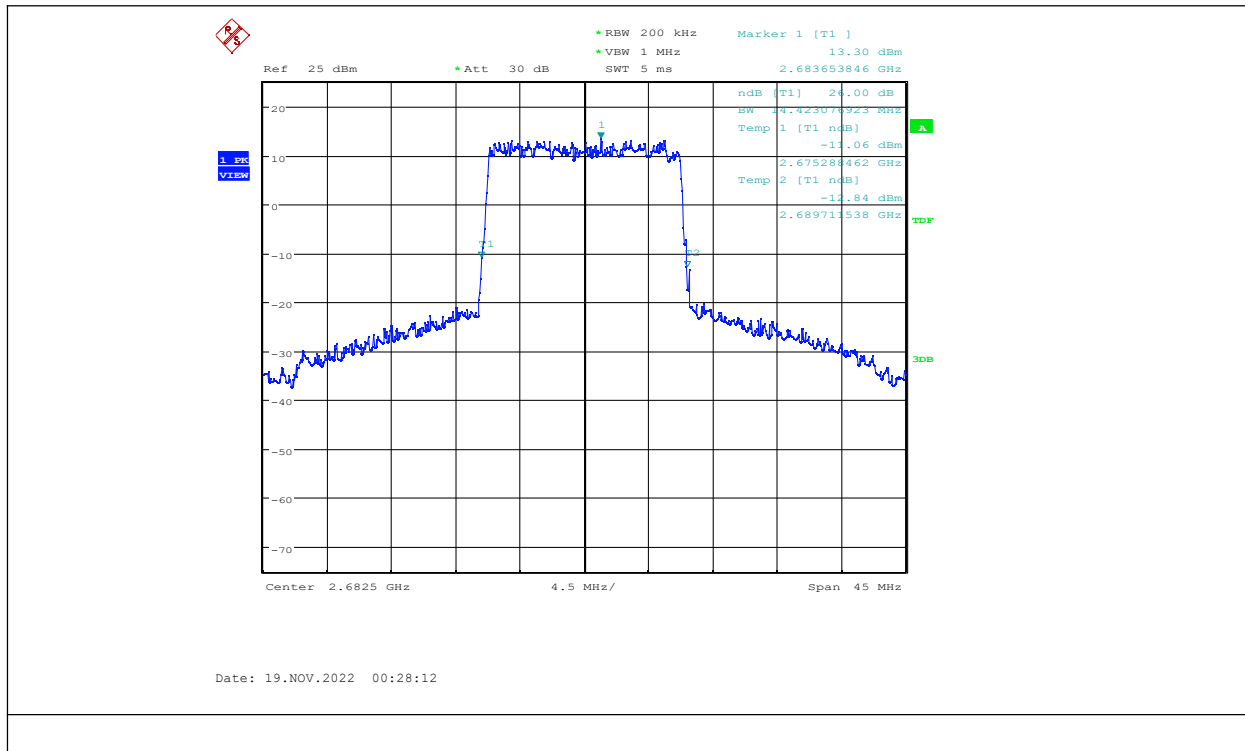
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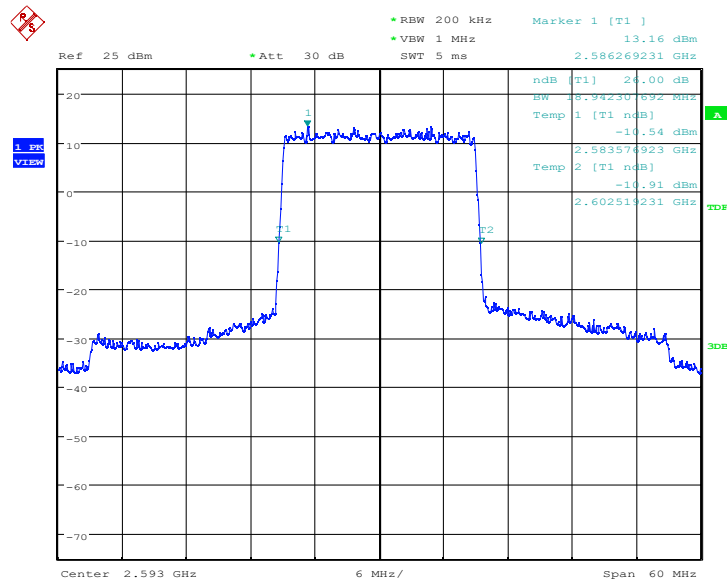
LTE band 41,20MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)
	QPSK
2506	19.038
2593	18.942
2680	19.038
LTE band 41 , 20MHz Bandwidth,QPSK (-26dBc BW)	

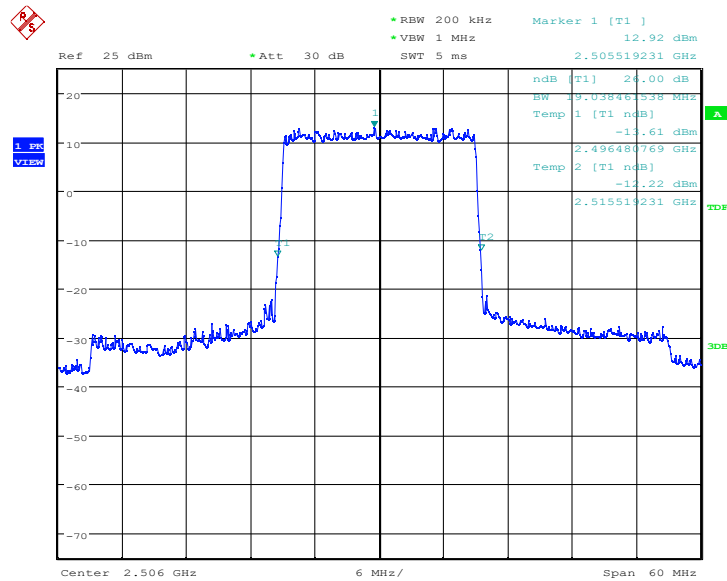
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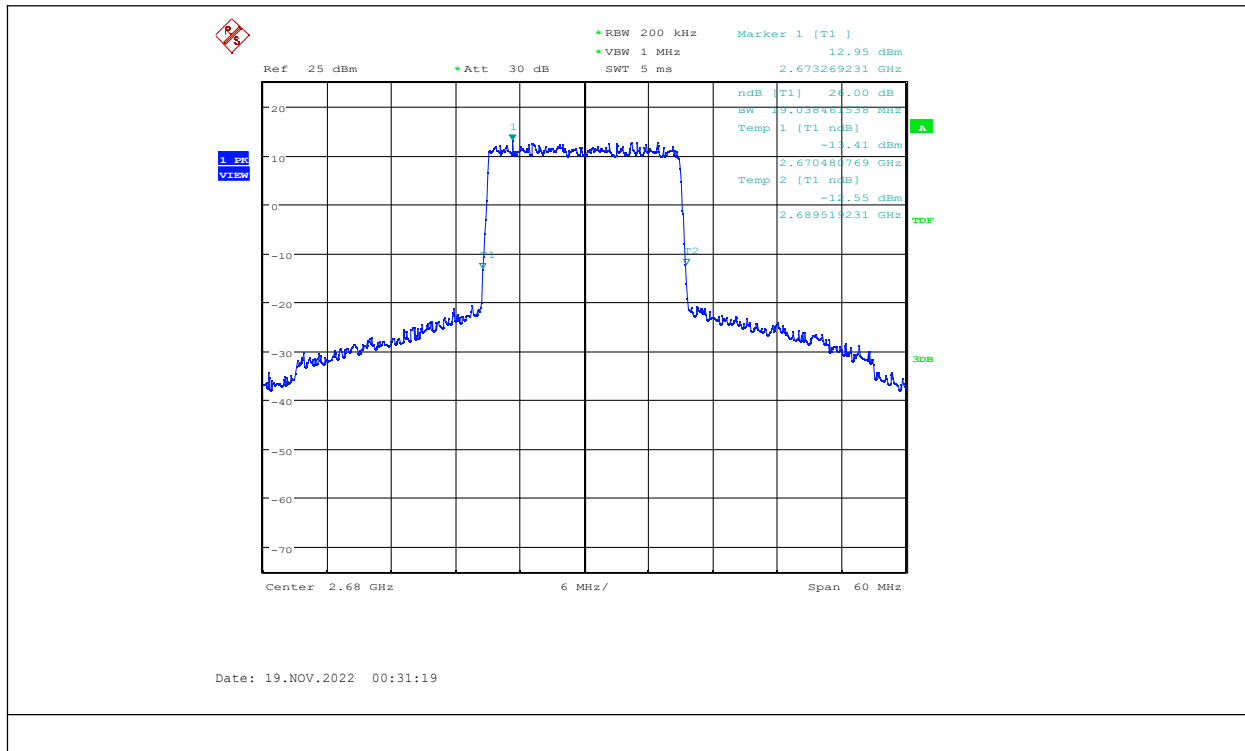
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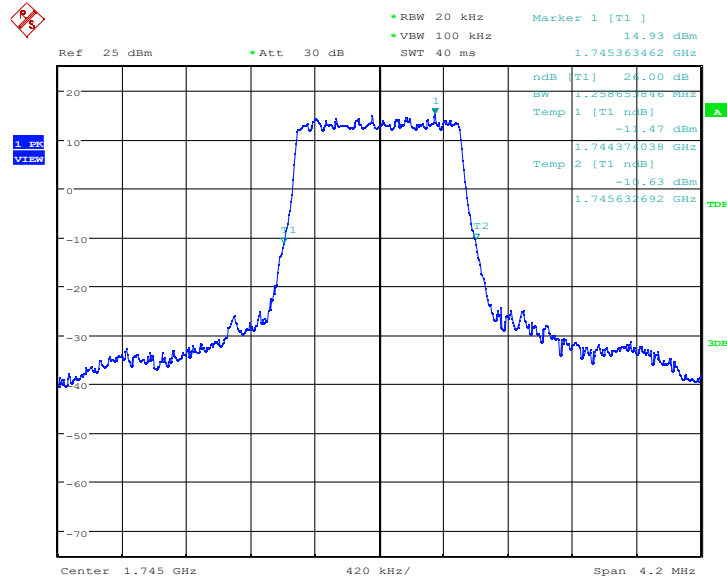
LTE band 66,1.4MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
1710.7	1.259	1.272
1745	1.259	1.286
1779.3	1.265	1.252
LTE band 66 , 1.4MHz Bandwidth,QPSK (-26dBc BW)		

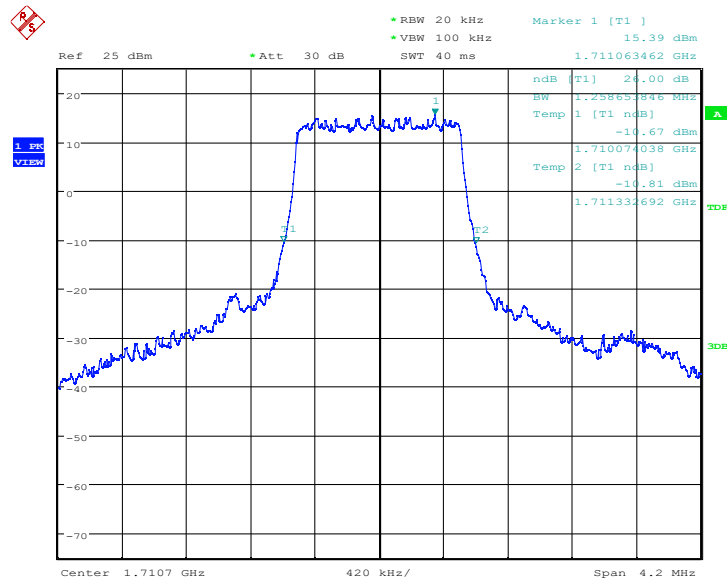
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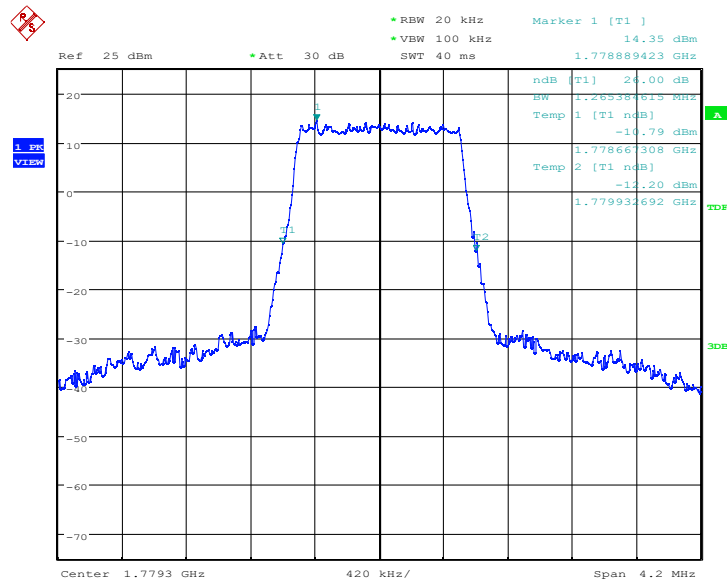
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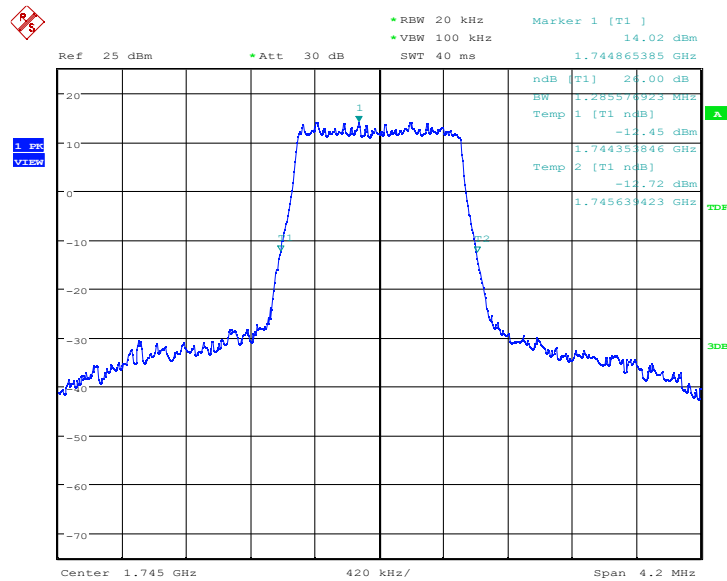
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Date: 19.NOV.2022 00:47:25

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

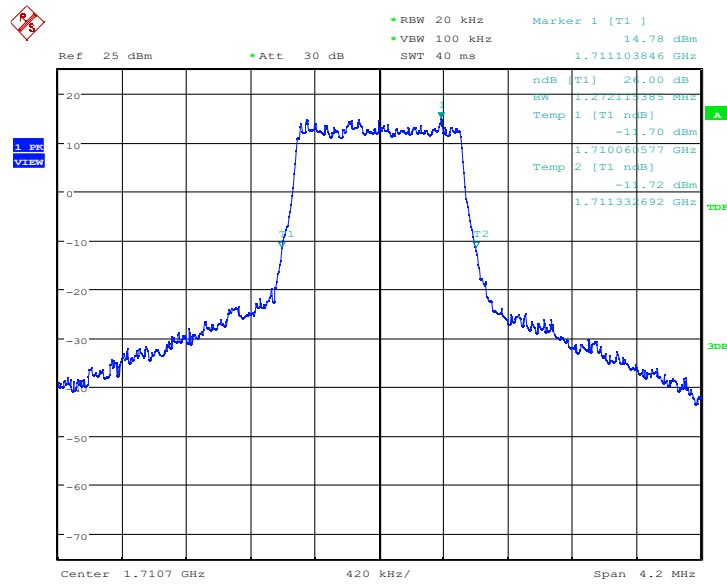


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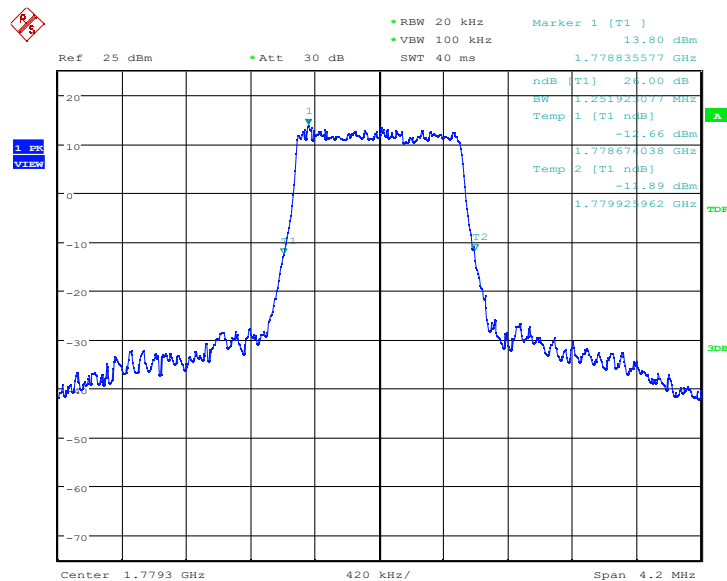
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Report No.: I22W00078-LTE-RF-FCC-Rev3



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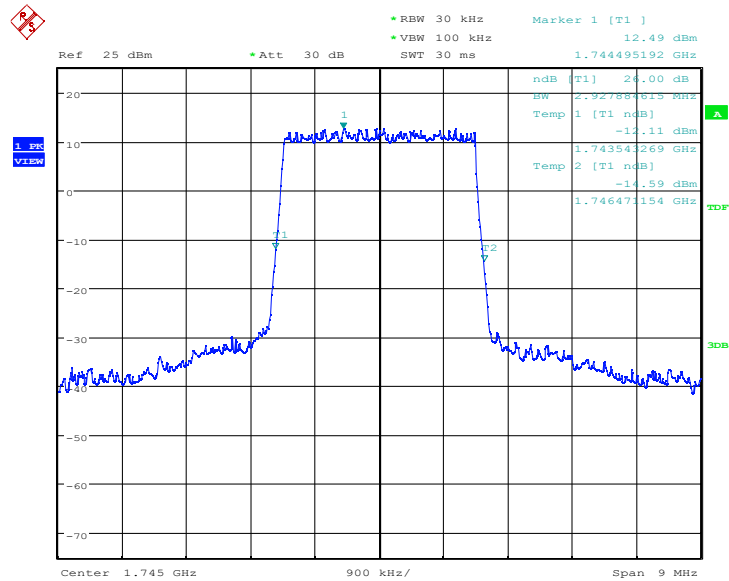
LTE band 66,3MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
1711.5	2.913	2.913
1745	2.928	2.913
1778.5	2.899	2.913

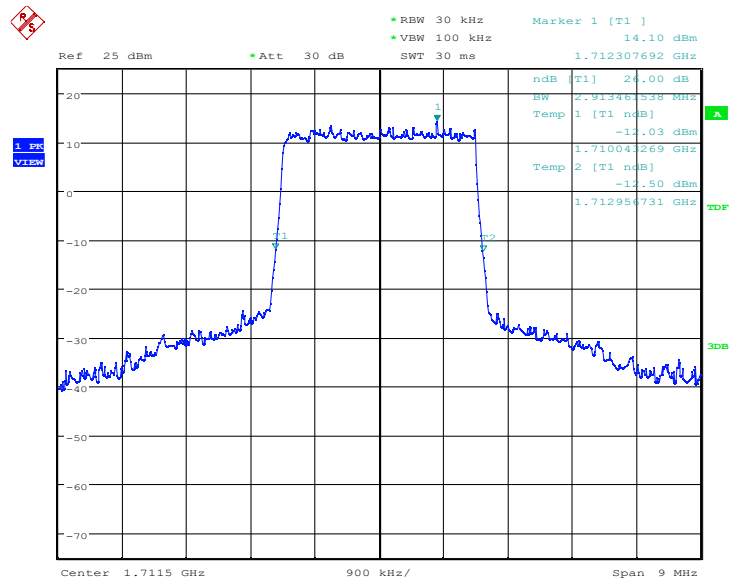
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Tel: 0086-23-88069965 FAX:0086-23-88608777

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



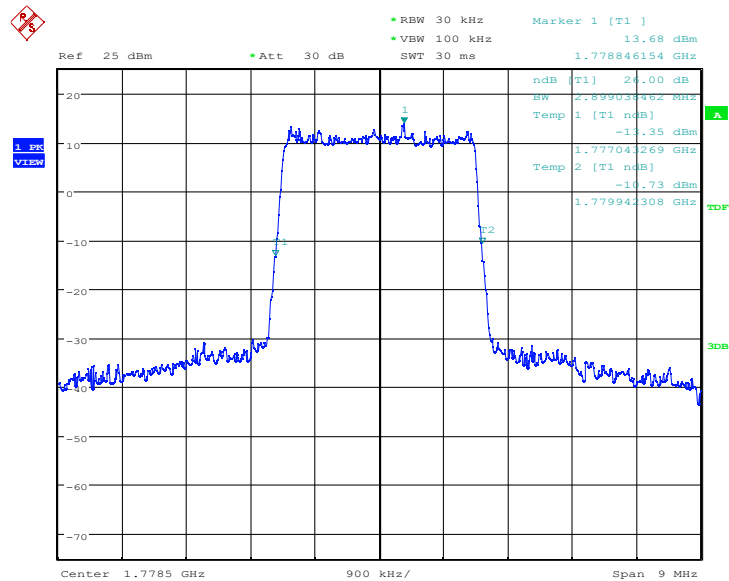
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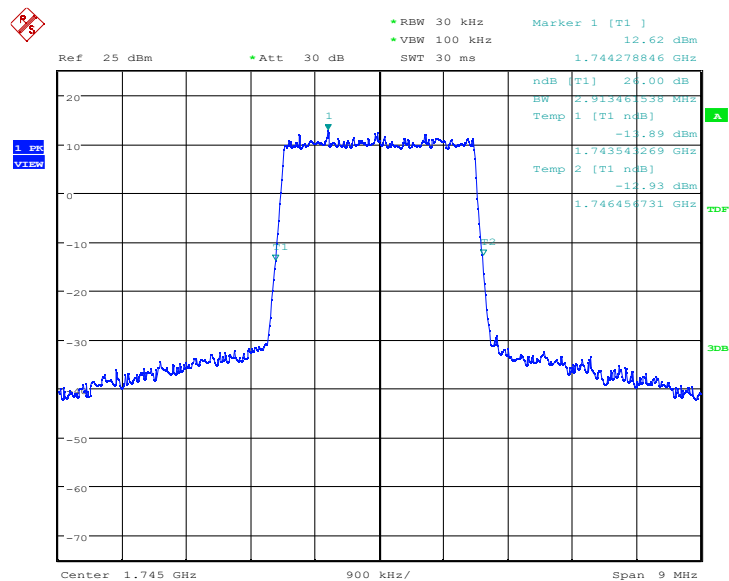
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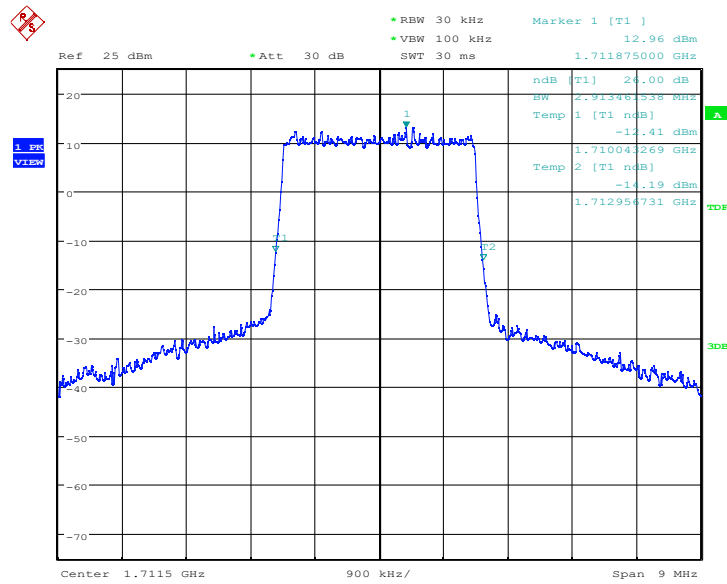
LTE band 66 , 3MHz Bandwidth,16QAM (-26dBc BW)



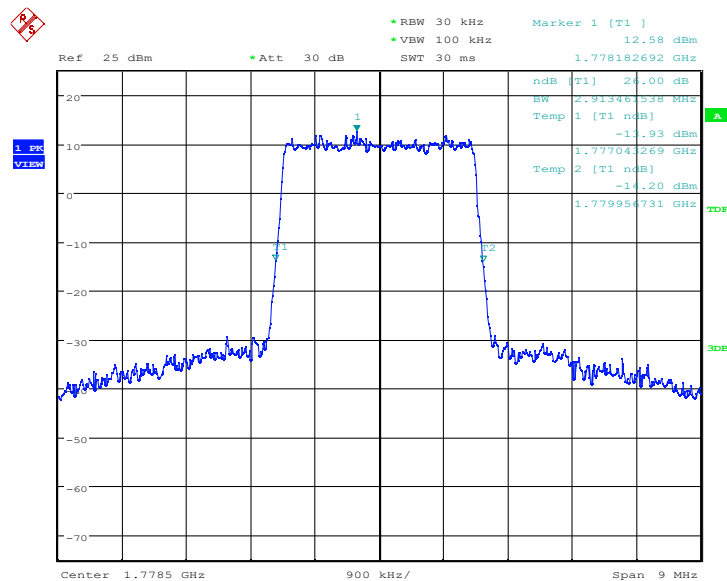
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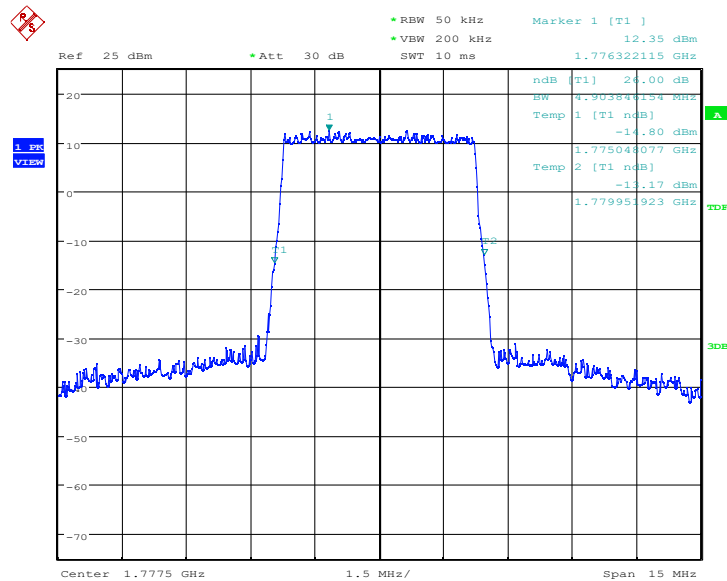
LTE band 66,5MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
1712.5	4.880	4.880
1745	4.856	4.904
1777.5	4.904	4.808

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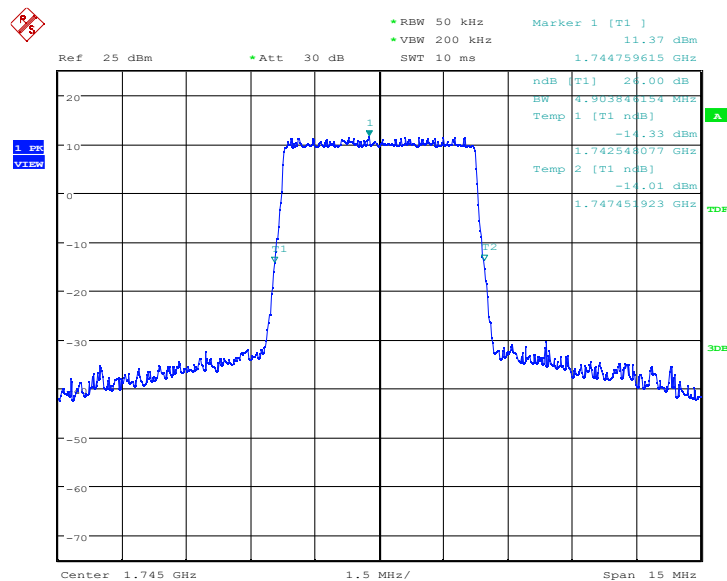
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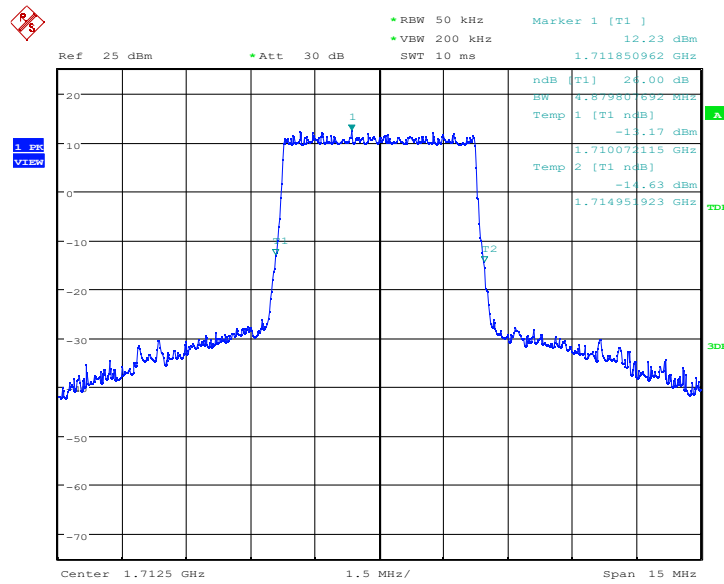
LTE band 66 , 5MHz Bandwidth,16QAM (-26dBc BW)



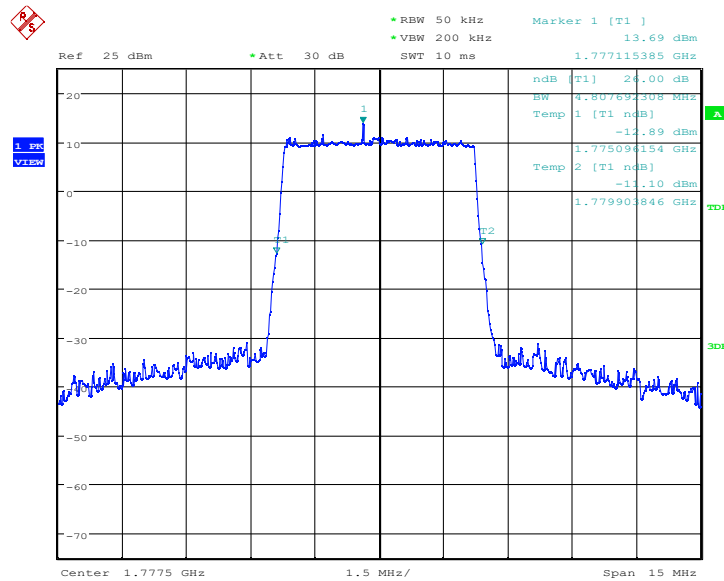
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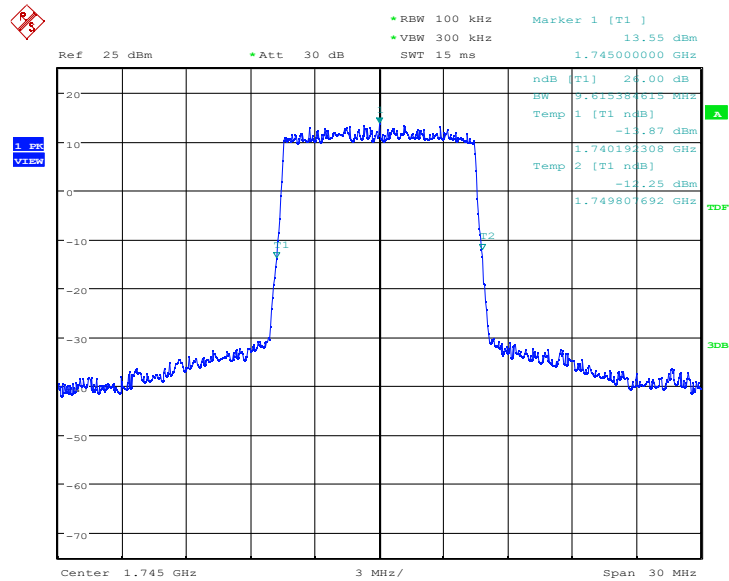
LTE band 66,10MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)
	QPSK
1715	9.615
1745	9.615
1775	9.615

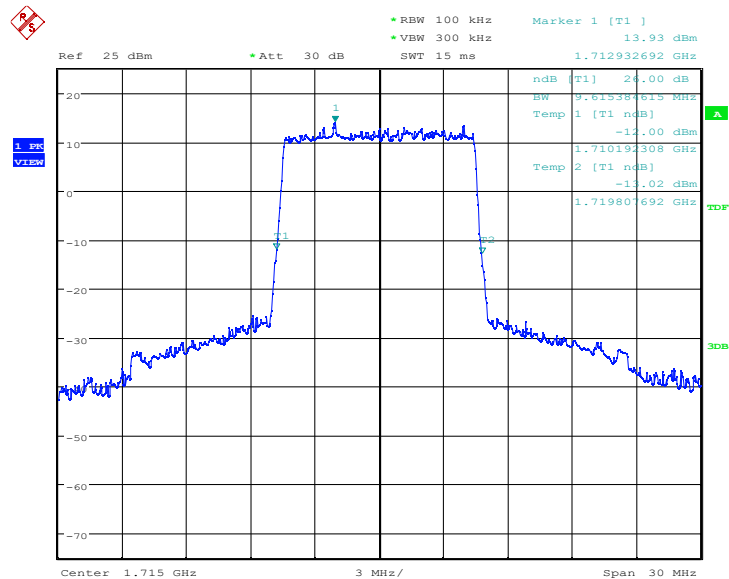
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LTE band 66 , 10MHz Bandwidth,QPSK (-26dBc BW)



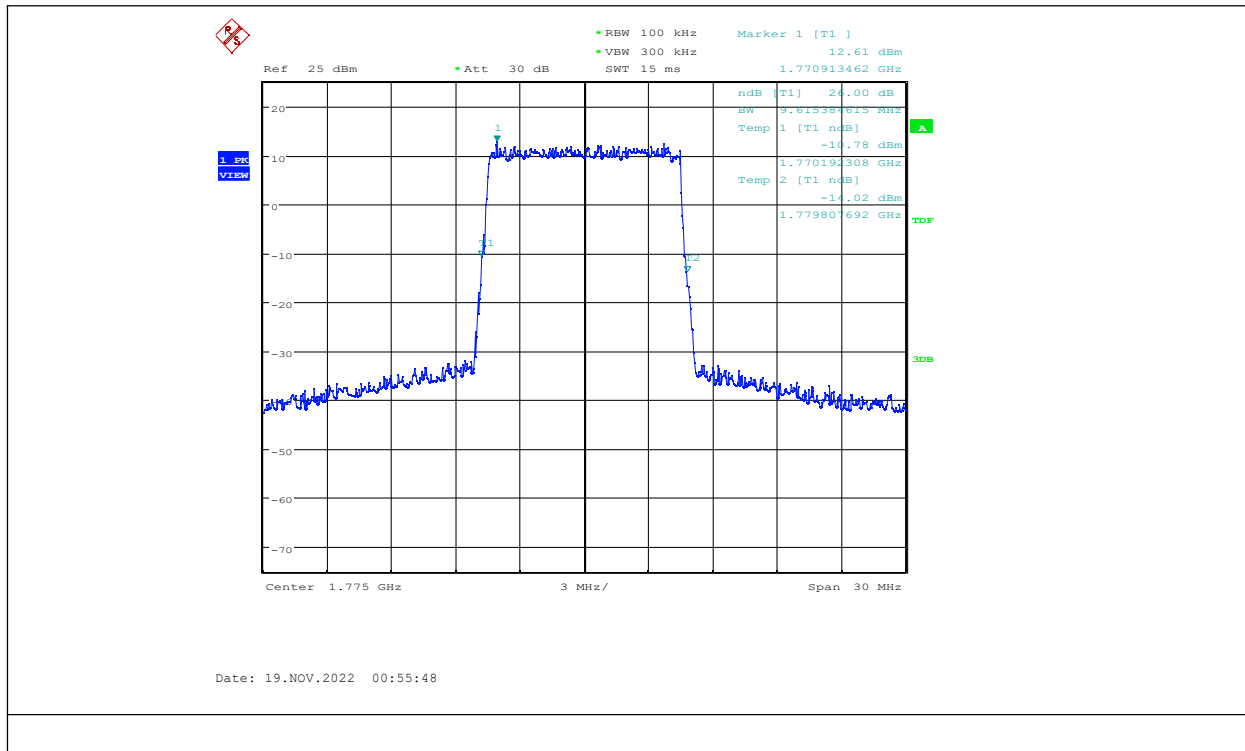
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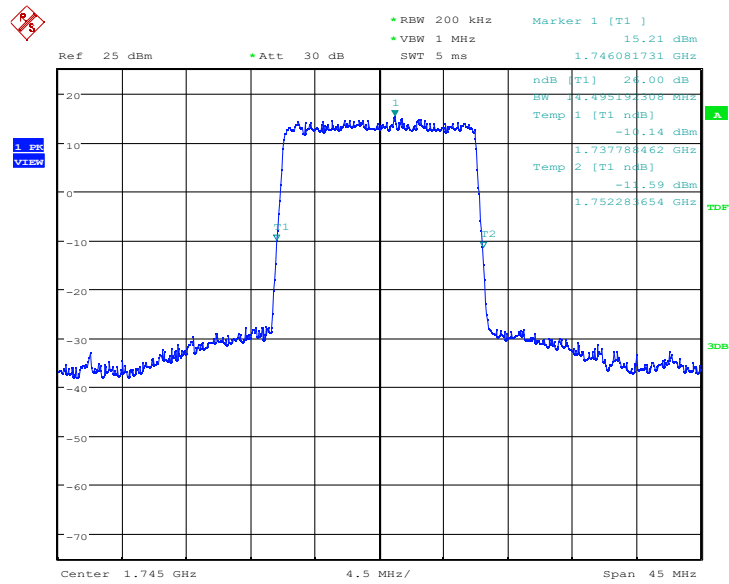
LTE band 66,15MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)
	QPSK
1717.5	14.423
1745	14.495
1772.5	14.495
LTE band 66 , 15MHz Bandwidth,QPSK (-26dBc BW)	

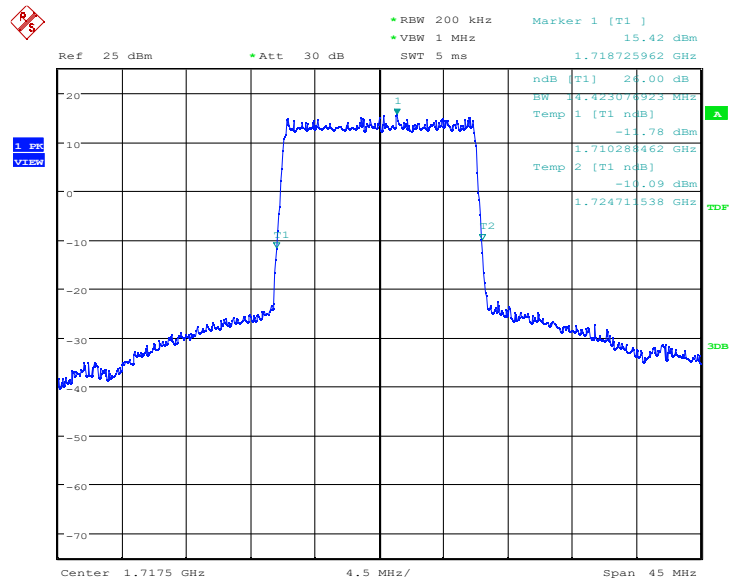
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Report No.: I22W00078-LTE-RF-FCC-Rev3



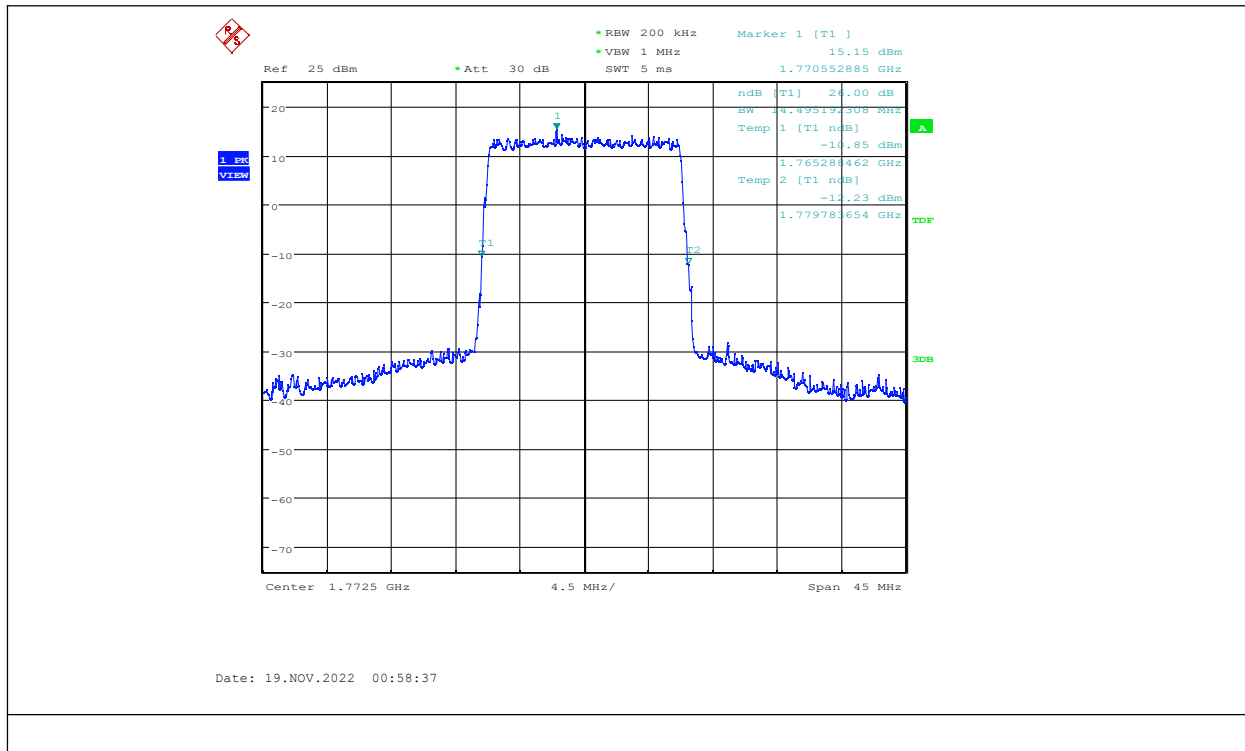
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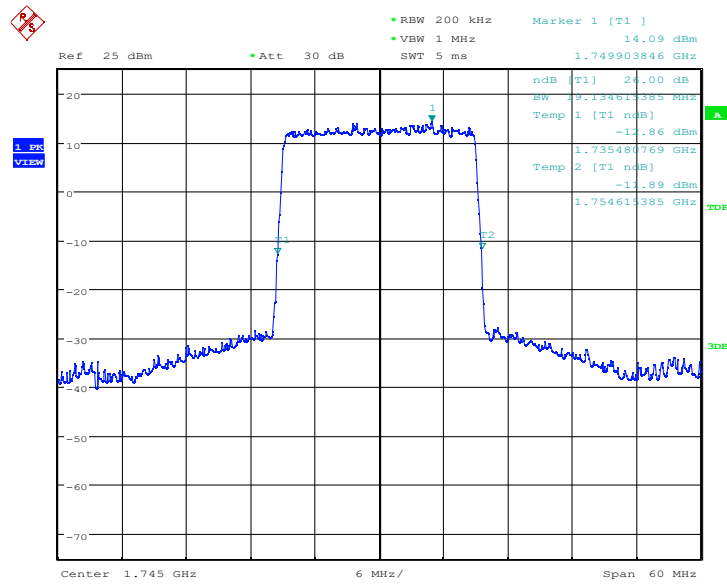
LTE band 66,20MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)
	QPSK
1720	19.135
1745	19.135
1770	19.038
LTE band 66 , 20MHz Bandwidth,QPSK (-26dBc BW)	

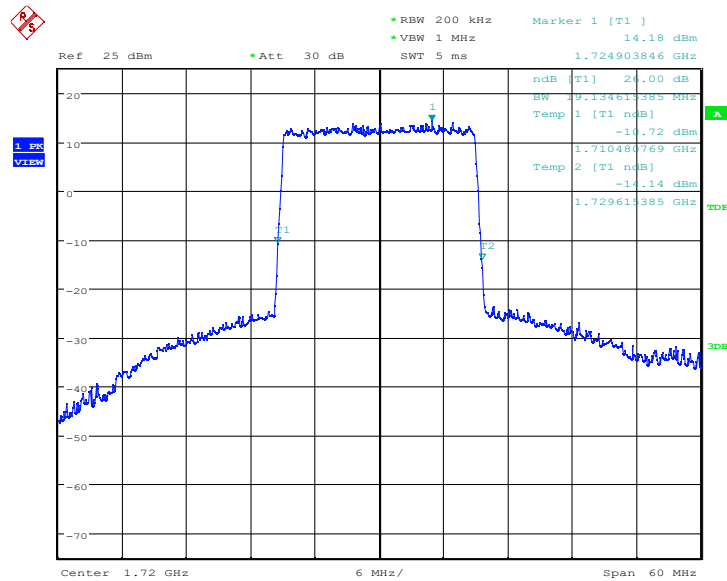
Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
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Report No.: I22W00078-LTE-RF-FCC-Rev3



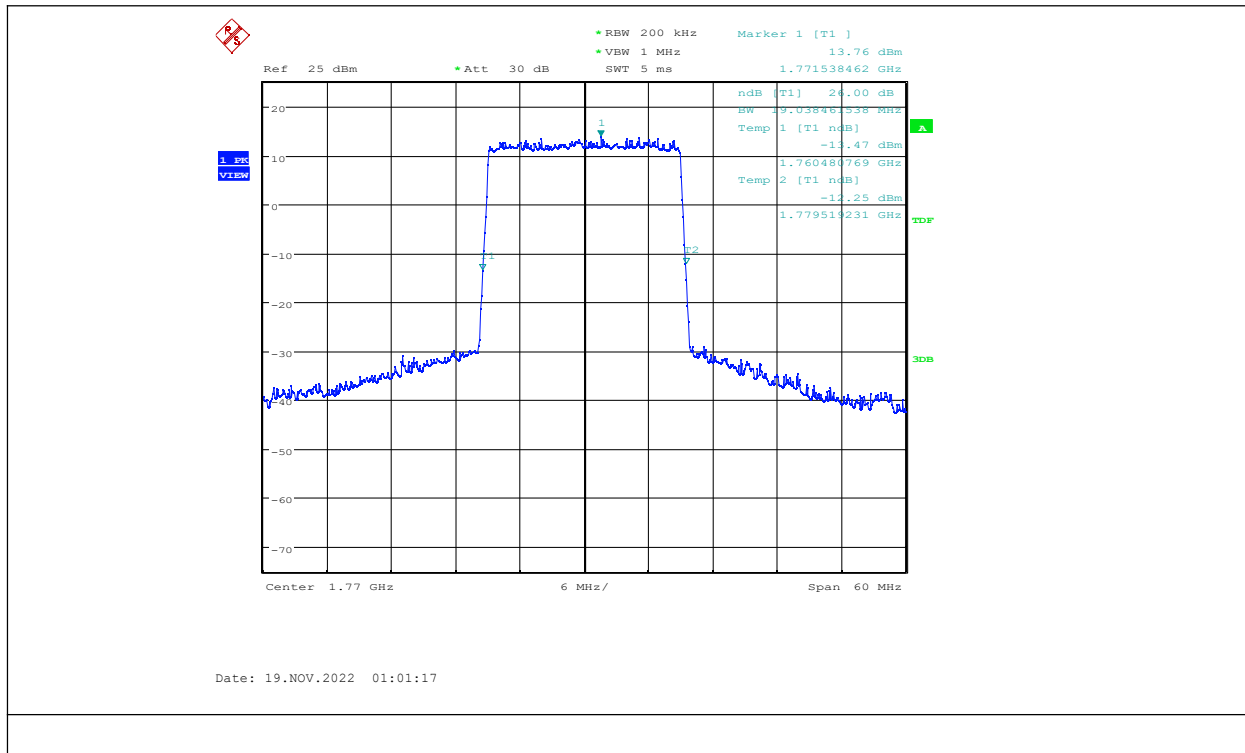
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6.5. Conducted spurious emissions

Specifications:	FCC Part 2.1051, 24.238, 2.1053, 22.917, 27.53
DUT Serial Number:	868070047049113
Test conditions:	Ambient Temperature:15°C-35°C Relative Humidity:30%-60% Air pressure: 86-106kPa
Test Results:	Pass

Limit Level Construction:

According to Part 22.917 (a), i.e., Out of Band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

According to Part 24.238 (a), i.e., Out of Band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB, so the limit level is: $P(\text{dBm}) - (43 + 10 \log(P)) \text{ dB} = -13 \text{ dBm}$.

According to Part 27.53(h):

Except as otherwise specified below, for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 Bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log(10P)$ dB.

According to Part 27.53(m):For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log(P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log(P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log(P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log(P)$ dB on all frequencies between 2490.5MHz and 2496 MHz and $55 + 10 \log(P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

Measurement Uncertainty:

Item	Uncertainty
Expanded Uncertainty	1.74 dB (k=2)

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.

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