

TEST REPORT

REPORT NUMBER: I22W00046-LTE RF-Rev2

ON

Type of Equipment: LTE Module
Type of Designation: L508
Brand Name: LYNQ
Manufacturer: Shanghai MobileTek Communication Ltd.
FCC ID: 2AK9DL508

ACCORDING TO

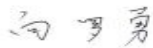
**FCC CFR Part 2, FREQUENCY ALLOCATIONS AND RADIO TREATY MATTERS;
GENERAL RULES AND REGULATIONS, e-CFR, 2019
PART 22, PUBLIC MOBILE SERVICES, e-CFR, 2019
PART 24, PERSONAL COMMUNICATIONS SERVICES, e-CFR, 2019
PART 27, MISCELLANEOUS WIRELESS COMMUNICATIONS SERVICES, e-CFR, 2019
ANSI C63.26-2015**

Chongqing Academy of Information and Communications Technology

Month date, year

Jul, 27, 2022

Signature



Xiang Luoyong
Director

Note:

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



Report No.: I22W00046-LTE RF-Rev2

Revision Version

Report Number	Revision	Date	Memo
I22W00046-LTE-WWAN	00	2022-06-27	Initial creation of test report
I22W00046-LTE RF-Rev1	01	2022-07-22	First creation of test report
I22W00046-LTE RF-Rev2	02	2022-07-27	Second creation of test report

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1. Test Laboratory

1.1. Testing Location

Name:	Chongqing Academy of Information and Communications Technology
FCC Registration number:	CN1239
Address:	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:	2022-06-09
Testing End Date:	2022-07-22

1.4. Signature



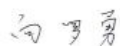
2022-07-27

Dong Junxin
(Prepared this test report)

Date

2022-07-27

Li Xu
(Reviewed this test report)

Date

2022-07-27

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 Module
Model name	L508
Brand name	LYNQ
GSM Frequency Band	2/5
WCDMA Frequency Band	2/4/5
LTE Frequency Band	2/4/5/7/66
Type of modulation	GMSK/8PSK/QPSK/16QAM
Extreme Temperature	-40/+85°C
Nominal Voltage	3.8
Extreme High Voltage	4.6
Extreme Low Voltage	3.2

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	864788050910772	V2	L508v01.01b02.00	2022-06-08
S3	864788050032635	V2	L508v01.01b02.00	2022-06-08

*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	B2	1850.2-1909.8	1930.2-1989.8	--
	B5	824.2-848.8	869.2-893.8	--
WCDMA	B2	1852.4-1907.6	1932.4-1987.6	--
	B4	1712.4-1752.6	2112.4-2152.6	--
	B5	826.4-846.6	871.4-891.6	--
LTE	B2	1850-1909.9	1930-1989.9	--
	B4	1710-1754.9	2110-2154.9	--
	B5	824-848.9	869-893.9	--
	B7	2500-2569.9	2620-2689.9	--
	B66	1710-1780	2110-2200	--

3.4. Internal Identification of AE used during the test

AE ID*	Description	dB*
AE1	Antenna	Table Antenna gain

The antenna is only used for testing RSE, it is a test auxiliary accessory, not standard with the module. The gain of the antenna is as follows:

Technology/Band	Gain
GSM 850/1900	2dBi
WCDMA B2/4	5dBi
WCDMA B5	6dBi
LTE B2	5dBi
LTE B4	6dBi
LTE B5	3dBi
LTE B7	5dBi
LTE B66	5dBi

Table Antenna gain

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

dB*: is provided customer.

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4. Reference Documents

4.1. Documents supplied by applicant

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

4.2. Reference Documents for testing

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

Reference	Title	Version
FCC CFR Part 2	FREQUENCY ALLOCATIONS AND RADIO TREATY MATTERS; GENERAL RULES AND REGULATIONS, e-CFR	2019
PART 22	PUBLIC MOBILE SERVICES	2019
PART 24	PERSONAL COMMUNICATIONS SERVICES, e-CFR	2019
PART 27	MISCELLANEOUS WIRELESS COMMUNICATIONS SERVICES, e-CFR	2019
ANSI C63.26	--	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
4	Universal Radio Communication Tester	CMW500	164483	--	--	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	01	4.43 SP3	R&S	2023-06-29
2	Ultra-wideband Log Periodic Antenna	VULB 9163	01392	--	--	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

5.3. Climate Chamber

No.	Name	Type	SN	Manufacture	Cal.Due Date
1	Climate chamber	SH-241	92010759	ESPEC	2023-06-29
2	Fully-Anechoic Chamber	FACT3-2	--	ETS	2025-04-29

5.4. Vibration table

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

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5.5. 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.According to the product change description of the product, Only the following test cases were repeated , Other test results refer to the reference report I22W00023_LTE_WWAN_Rev1.		

6.2. Conducted RF Power Output

Specifications:	FCC Part 2.1046, 22.913(a), 24.232(c), 27.50
DUT Serial Number:	864788050910772
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(c), portable stations (hand-held devices) in the 600 MHz uplink Band and the 698-746 MHz Band, and fixed and mobile stations in the 600 MHz uplink Band are limited to 3 watts ERP.

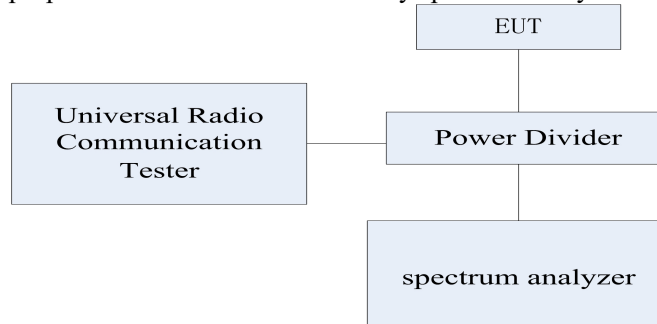
According to Part 27.50(d), fixed, mobile, and portable (hand-held) stations operating in the 1710-1755 MHz Band and mobile and portable stations operating in the 1695-1710 MHz and 1755-1780 MHz Bands are limited to 1 watt EIRP.

Measurement Uncertainty:

Item	Uncertainty
Expanded Uncertainty	0.62 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 and measured by spectrum analyzer.



Test Method:

- 1) The EUT was coupled to the spectrum analyzer and the Wireless Telecommunications Test Set through

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a power divider. The loss of the RF cables of the test system is calibrated to correct the readings.

2) For RMS power test, the spectrum analyzer was set to RMS Detector function and Maximum hold mode.

3) For Peak power test, the spectrum analyzer was set to Maxpeak Detector function and Maximum hold mode.

4) The resolution Bandwidth of the spectrum analyzer was comparable to the emission Bandwidth.

Note: --

6.2.1 Conducted RF Power Output Results

LTE band 2

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Avg Power (dBm)	Peak Power (dBm)
1.4MHz	1 RB low	1850.7	QPSK	22.24	28.17
1.4MHz	1 RB mid	1850.7	QPSK	22.04	27.92
1.4MHz	1 RB high	1850.7	QPSK	22.18	28.08
1.4MHz	100% RB	1850.7	QPSK	21.11	26.92
1.4MHz	1 RB low	1850.7	16QAM	21.49	27.73
1.4MHz	1 RB mid	1850.7	16QAM	21.25	27.39
1.4MHz	1 RB high	1850.7	16QAM	21.42	27.65
1.4MHz	100% RB	1850.7	16QAM	20.34	27.44
1.4MHz	1 RB low	1880	QPSK	22.54	27.71
1.4MHz	1 RB mid	1880	QPSK	22.49	27.64
1.4MHz	1 RB high	1880	QPSK	22.56	27.75
1.4MHz	100% RB	1880	QPSK	21.44	28.08
1.4MHz	1 RB low	1880	16QAM	21.57	27.98
1.4MHz	1 RB mid	1880	16QAM	21.43	27.87
1.4MHz	1 RB high	1880	16QAM	21.51	27.95
1.4MHz	100% RB	1880	16QAM	20.54	27.22
1.4MHz	1 RB low	1909.3	QPSK	22.74	27.99
1.4MHz	1 RB mid	1909.3	QPSK	22.51	27.82
1.4MHz	1 RB high	1909.3	QPSK	22.60	27.87
1.4MHz	100% RB	1909.3	QPSK	21.61	27.50
1.4MHz	1 RB low	1909.3	16QAM	21.96	27.65
1.4MHz	1 RB mid	1909.3	16QAM	21.76	27.38
1.4MHz	1 RB high	1909.3	16QAM	21.87	27.47
1.4MHz	100% RB	1909.3	16QAM	20.54	27.60
3MHz	1 RB low	1851.5	QPSK	22.12	27.24
3MHz	1 RB mid	1851.5	QPSK	22.09	27.11
3MHz	1 RB high	1851.5	QPSK	22.00	27.11
3MHz	100% RB	1851.5	QPSK	21.06	27.16
3MHz	1 RB low	1851.5	16QAM	21.06	27.49
3MHz	1 RB mid	1851.5	16QAM	21.08	27.48
3MHz	1 RB high	1851.5	16QAM	21.00	27.44
3MHz	100% RB	1851.5	16QAM	20.28	28.09
3MHz	1 RB low	1880	QPSK	22.48	28.03

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3MHz	1 RB mid	1880	QPSK	22.47	28.02
3MHz	1 RB high	1880	QPSK	22.28	27.91
3MHz	100% RB	1880	QPSK	21.42	27.70
3MHz	1 RB low	1880	16QAM	21.67	27.45
3MHz	1 RB mid	1880	16QAM	21.65	27.44
3MHz	1 RB high	1880	16QAM	21.46	27.40
3MHz	100% RB	1880	16QAM	20.43	28.11
3MHz	1 RB low	1908.5	QPSK	22.69	27.75
3MHz	1 RB mid	1908.5	QPSK	22.58	27.59
3MHz	1 RB high	1908.5	QPSK	22.35	27.42
3MHz	100% RB	1908.5	QPSK	21.68	27.82
3MHz	1 RB low	1908.5	16QAM	21.94	27.45
3MHz	1 RB mid	1908.5	16QAM	21.85	27.18
3MHz	1 RB high	1908.5	16QAM	21.64	27.06
3MHz	100% RB	1908.5	16QAM	20.79	27.37
5MHz	1 RB low	1852.5	QPSK	22.13	27.32
5MHz	1 RB mid	1852.5	QPSK	22.17	27.16
5MHz	1 RB high	1852.5	QPSK	22.03	27.18
5MHz	100% RB	1852.5	QPSK	21.08	27.33
5MHz	1 RB low	1852.5	16QAM	21.21	26.89
5MHz	1 RB mid	1852.5	16QAM	21.25	26.84
5MHz	1 RB high	1852.5	16QAM	21.09	26.78
5MHz	100% RB	1852.5	16QAM	20.31	27.18
5MHz	1 RB low	1880	QPSK	22.52	27.32
5MHz	1 RB mid	1880	QPSK	22.52	27.26
5MHz	1 RB high	1880	QPSK	22.23	27.06
5MHz	100% RB	1880	QPSK	21.41	28.02
5MHz	1 RB low	1880	16QAM	21.79	27.27
5MHz	1 RB mid	1880	16QAM	21.80	27.25
5MHz	1 RB high	1880	16QAM	21.51	27.04
5MHz	100% RB	1880	16QAM	20.48	27.45
5MHz	1 RB low	1907.5	QPSK	22.73	27.45
5MHz	1 RB mid	1907.5	QPSK	22.72	27.35
5MHz	1 RB high	1907.5	QPSK	22.37	27.08
5MHz	100% RB	1907.5	QPSK	21.64	27.55
5MHz	1 RB low	1907.5	16QAM	21.81	27.45
5MHz	1 RB mid	1907.5	16QAM	21.83	27.31
5MHz	1 RB high	1907.5	16QAM	21.51	27.15

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5MHz	100% RB	1907.5	16QAM	20.76	27.44
10MHz	1 RB low	1855	QPSK	22.04	27.15
10MHz	1 RB mid	1855	QPSK	22.01	27.04
10MHz	1 RB high	1855	QPSK	21.97	27.05
10MHz	100% RB	1855	QPSK	20.98	26.90
10MHz	1 RB low	1855	16QAM	21.00	27.47
10MHz	1 RB mid	1855	16QAM	20.99	27.38
10MHz	1 RB high	1855	16QAM	20.99	27.43
10MHz	100% RB	1855	16QAM	20.18	26.91
10MHz	1 RB low	1880	QPSK	22.36	27.99
10MHz	1 RB mid	1880	QPSK	22.35	27.93
10MHz	1 RB high	1880	QPSK	21.75	27.55
10MHz	100% RB	1880	QPSK	21.20	27.86
10MHz	1 RB low	1880	16QAM	21.68	27.48
10MHz	1 RB mid	1880	16QAM	21.64	27.38
10MHz	1 RB high	1880	16QAM	21.02	27.00
10MHz	100% RB	1880	16QAM	20.32	27.69
10MHz	1 RB low	1905	QPSK	22.40	27.69
10MHz	1 RB mid	1905	QPSK	22.65	27.71
10MHz	1 RB high	1905	QPSK	22.05	27.24
10MHz	100% RB	1905	QPSK	21.54	27.42
10MHz	1 RB low	1905	16QAM	21.76	27.33
10MHz	1 RB mid	1905	16QAM	21.94	27.34
10MHz	1 RB high	1905	16QAM	21.42	26.97
10MHz	100% RB	1905	16QAM	20.62	27.72
15MHz	1 RB low	1857.5	QPSK	22.17	27.24
15MHz	1 RB mid	1857.5	QPSK	22.30	27.33
15MHz	1 RB high	1857.5	QPSK	22.37	27.44
15MHz	100% RB	1857.5	QPSK	21.29	27.68
15MHz	1 RB low	1857.5	16QAM	21.21	27.64
15MHz	1 RB mid	1857.5	16QAM	21.30	27.69
15MHz	1 RB high	1857.5	16QAM	21.35	27.77
15MHz	100% RB	1857.5	16QAM	20.53	27.69
15MHz	1 RB low	1880	QPSK	22.65	28.14
15MHz	1 RB mid	1880	QPSK	22.46	28.00
15MHz	1 RB high	1880	QPSK	21.98	27.67
15MHz	100% RB	1880	QPSK	21.40	28.21
15MHz	1 RB low	1880	16QAM	22.03	27.67

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15MHz	1 RB mid	1880	16QAM	21.86	27.54
15MHz	1 RB high	1880	16QAM	21.41	27.19
15MHz	100% RB	1880	16QAM	20.47	27.87
15MHz	1 RB low	1902.5	QPSK	22.28	27.60
15MHz	1 RB mid	1902.5	QPSK	22.72	27.86
15MHz	1 RB high	1902.5	QPSK	22.25	27.35
15MHz	100% RB	1902.5	QPSK	21.69	28.12
15MHz	1 RB low	1902.5	16QAM	21.58	27.16
15MHz	1 RB mid	1902.5	16QAM	22.00	27.41
15MHz	1 RB high	1902.5	16QAM	21.57	27.01
15MHz	100% RB	1902.5	16QAM	20.71	28.01
20MHz	1 RB low	1860	QPSK	22.10	28.29
20MHz	1 RB mid	1860	QPSK	22.31	28.40
20MHz	1 RB high	1860	QPSK	22.34	28.46
20MHz	100% RB	1860	QPSK	21.37	27.81
20MHz	1 RB low	1860	16QAM	21.23	26.25
20MHz	1 RB mid	1860	16QAM	21.49	26.48
20MHz	1 RB high	1860	16QAM	21.56	26.64
20MHz	100% RB	1860	16QAM	20.60	27.88
20MHz	1 RB low	1880	QPSK	22.53	27.95
20MHz	1 RB mid	1880	QPSK	22.54	27.96
20MHz	1 RB high	1880	QPSK	21.95	27.57
20MHz	100% RB	1880	QPSK	21.31	27.79
20MHz	1 RB low	1880	16QAM	21.91	28.01
20MHz	1 RB mid	1880	16QAM	21.84	27.94
20MHz	1 RB high	1880	16QAM	21.33	27.61
20MHz	100% RB	1880	16QAM	20.36	28.16
20MHz	1 RB low	1900	QPSK	22.14	27.40
20MHz	1 RB mid	1900	QPSK	22.71	27.78
20MHz	1 RB high	1900	QPSK	22.27	27.28
20MHz	100% RB	1900	QPSK	21.55	27.80
20MHz	1 RB low	1900	16QAM	21.23	27.05
20MHz	1 RB mid	1900	16QAM	21.88	27.56
20MHz	1 RB high	1900	16QAM	21.39	27.05
20MHz	100% RB	1900	16QAM	20.65	27.98

LTE band 5

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Avg Power (dBm)	Peak Power (dBm)
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1.4MHz	1 RB low	824.7	QPSK	22.63	27.68
1.4MHz	1 RB mid	824.7	QPSK	22.58	27.58
1.4MHz	1 RB high	824.7	QPSK	22.74	27.82
1.4MHz	100% RB	824.7	QPSK	21.56	28.27
1.4MHz	1 RB low	824.7	16QAM	21.48	27.79
1.4MHz	1 RB mid	824.7	16QAM	21.45	27.77
1.4MHz	1 RB high	824.7	16QAM	21.73	27.94
1.4MHz	100% RB	824.7	16QAM	20.64	27.15
1.4MHz	1 RB low	836.5	QPSK	22.69	27.61
1.4MHz	1 RB mid	836.5	QPSK	22.55	27.56
1.4MHz	1 RB high	836.5	QPSK	22.65	27.64
1.4MHz	100% RB	836.5	QPSK	21.63	27.49
1.4MHz	1 RB low	836.5	16QAM	21.92	27.28
1.4MHz	1 RB mid	836.5	16QAM	21.80	27.10
1.4MHz	1 RB high	836.5	16QAM	21.88	27.18
1.4MHz	100% RB	836.5	16QAM	20.65	27.46
1.4MHz	1 RB low	848.3	QPSK	22.99	28.24
1.4MHz	1 RB mid	848.3	QPSK	22.78	28.05
1.4MHz	1 RB high	848.3	QPSK	22.81	28.02
1.4MHz	100% RB	848.3	QPSK	21.76	27.49
1.4MHz	1 RB low	848.3	16QAM	22.11	27.82
1.4MHz	1 RB mid	848.3	16QAM	21.95	27.64
1.4MHz	1 RB high	848.3	16QAM	22.00	27.65
1.4MHz	100% RB	848.3	16QAM	20.93	27.67
3MHz	1 RB low	825.5	QPSK	22.44	27.58
3MHz	1 RB mid	825.5	QPSK	22.67	27.66
3MHz	1 RB high	825.5	QPSK	22.75	27.74
3MHz	100% RB	825.5	QPSK	21.64	27.44
3MHz	1 RB low	825.5	16QAM	21.36	27.73
3MHz	1 RB mid	825.5	16QAM	21.66	27.88
3MHz	1 RB high	825.5	16QAM	21.67	27.87
3MHz	100% RB	825.5	16QAM	20.62	27.93
3MHz	1 RB low	836.5	QPSK	22.59	27.52
3MHz	1 RB mid	836.5	QPSK	22.52	27.51
3MHz	1 RB high	836.5	QPSK	22.45	27.56
3MHz	100% RB	836.5	QPSK	21.60	27.45
3MHz	1 RB low	836.5	16QAM	21.82	27.02
3MHz	1 RB mid	836.5	16QAM	21.79	27.06

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3MHz	1 RB high	836.5	16QAM	21.70	27.15
3MHz	100% RB	836.5	16QAM	20.64	27.15
3MHz	1 RB low	847.5	QPSK	22.81	27.84
3MHz	1 RB mid	847.5	QPSK	22.77	27.68
3MHz	1 RB high	847.5	QPSK	22.58	27.46
3MHz	100% RB	847.5	QPSK	21.77	27.46
3MHz	1 RB low	847.5	16QAM	21.97	27.45
3MHz	1 RB mid	847.5	16QAM	21.97	27.27
3MHz	1 RB high	847.5	16QAM	21.76	27.07
3MHz	100% RB	847.5	16QAM	20.88	27.37
5MHz	1 RB low	826.5	QPSK	22.51	27.65
5MHz	1 RB mid	826.5	QPSK	22.91	27.80
5MHz	1 RB high	826.5	QPSK	22.94	27.72
5MHz	100% RB	826.5	QPSK	21.71	27.62
5MHz	1 RB low	826.5	16QAM	21.52	27.20
5MHz	1 RB mid	826.5	16QAM	21.97	27.45
5MHz	1 RB high	826.5	16QAM	21.99	27.38
5MHz	100% RB	826.5	16QAM	20.87	27.76
5MHz	1 RB low	836.5	QPSK	22.60	26.91
5MHz	1 RB mid	836.5	QPSK	22.63	26.99
5MHz	1 RB high	836.5	QPSK	22.49	26.99
5MHz	100% RB	836.5	QPSK	21.56	27.34
5MHz	1 RB low	836.5	16QAM	21.86	26.81
5MHz	1 RB mid	836.5	16QAM	21.90	26.89
5MHz	1 RB high	836.5	16QAM	21.70	26.91
5MHz	100% RB	836.5	16QAM	20.66	27.34
5MHz	1 RB low	846.5	QPSK	22.90	27.66
5MHz	1 RB mid	846.5	QPSK	22.92	27.49
5MHz	1 RB high	846.5	QPSK	22.68	27.21
5MHz	100% RB	846.5	QPSK	21.79	27.73
5MHz	1 RB low	846.5	16QAM	21.89	27.56
5MHz	1 RB mid	846.5	16QAM	21.99	27.48
5MHz	1 RB high	846.5	16QAM	21.71	27.16
5MHz	100% RB	846.5	16QAM	20.92	27.96
10MHz	1 RB low	829	QPSK	22.24	27.38
10MHz	1 RB mid	829	QPSK	22.83	27.50
10MHz	1 RB high	829	QPSK	22.30	27.00
10MHz	100% RB	829	QPSK	21.59	27.44

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10MHz	1 RB low	829	16QAM	21.15	27.63
10MHz	1 RB mid	829	16QAM	21.84	27.72
10MHz	1 RB high	829	16QAM	21.30	27.24
10MHz	100% RB	829	16QAM	20.67	27.46
10MHz	1 RB low	836.5	QPSK	22.57	27.60
10MHz	1 RB mid	836.5	QPSK	22.40	27.49
10MHz	1 RB high	836.5	QPSK	22.17	27.81
10MHz	100% RB	836.5	QPSK	21.34	27.77
10MHz	1 RB low	836.5	16QAM	21.80	27.12
10MHz	1 RB mid	836.5	16QAM	21.66	27.03
10MHz	1 RB high	836.5	16QAM	21.32	27.15
10MHz	100% RB	836.5	16QAM	20.38	27.47
10MHz	1 RB low	844	QPSK	22.24	27.39
10MHz	1 RB mid	844	QPSK	22.59	27.81
10MHz	1 RB high	844	QPSK	22.32	27.37
10MHz	100% RB	844	QPSK	21.39	28.07
10MHz	1 RB low	844	16QAM	21.44	26.93
10MHz	1 RB mid	844	16QAM	21.78	27.23
10MHz	1 RB high	844	16QAM	21.51	26.95
10MHz	100% RB	844	16QAM	20.47	27.56

LTE band 7

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Avg Power (dBm)	Peak Power (dBm)
5MHz	1 RB low	2502.5	QPSK	22.29	26.77
5MHz	1 RB mid	2502.5	QPSK	22.30	26.75
5MHz	1 RB high	2502.5	QPSK	22.15	26.76
5MHz	100% RB	2502.5	QPSK	21.20	27.05
5MHz	1 RB low	2502.5	16QAM	21.33	26.55
5MHz	1 RB mid	2502.5	16QAM	21.35	26.56
5MHz	1 RB high	2502.5	16QAM	21.19	26.55
5MHz	100% RB	2502.5	16QAM	20.40	26.89
5MHz	1 RB low	2535	QPSK	22.48	26.85
5MHz	1 RB mid	2535	QPSK	22.51	26.80
5MHz	1 RB high	2535	QPSK	22.48	26.80
5MHz	100% RB	2535	QPSK	21.58	27.57
5MHz	1 RB low	2535	16QAM	21.78	26.79
5MHz	1 RB mid	2535	16QAM	21.90	26.83
5MHz	1 RB high	2535	16QAM	21.72	26.75

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5MHz	100% RB	2535	16QAM	20.66	27.25
5MHz	1 RB low	2567.5	QPSK	22.45	26.55
5MHz	1 RB mid	2567.5	QPSK	22.56	26.50
5MHz	1 RB high	2567.5	QPSK	22.47	26.43
5MHz	100% RB	2567.5	QPSK	21.47	27.12
5MHz	1 RB low	2567.5	16QAM	21.49	26.52
5MHz	1 RB mid	2567.5	16QAM	21.60	26.49
5MHz	1 RB high	2567.5	16QAM	21.55	26.47
5MHz	100% RB	2567.5	16QAM	20.57	27.24
10MHz	1 RB low	2505	QPSK	22.06	26.65
10MHz	1 RB mid	2505	QPSK	22.13	26.71
10MHz	1 RB high	2505	QPSK	22.01	26.68
10MHz	100% RB	2505	QPSK	21.03	26.95
10MHz	1 RB low	2505	16QAM	21.03	26.75
10MHz	1 RB mid	2505	16QAM	21.11	26.82
10MHz	1 RB high	2505	16QAM	20.93	26.82
10MHz	100% RB	2505	16QAM	20.26	26.99
10MHz	1 RB low	2535	QPSK	22.34	27.25
10MHz	1 RB mid	2535	QPSK	22.46	27.23
10MHz	1 RB high	2535	QPSK	22.19	27.16
10MHz	100% RB	2535	QPSK	21.39	27.58
10MHz	1 RB low	2535	16QAM	21.57	26.90
10MHz	1 RB mid	2535	16QAM	21.76	26.98
10MHz	1 RB high	2535	16QAM	21.45	26.86
10MHz	100% RB	2535	16QAM	20.53	27.69
10MHz	1 RB low	2565	QPSK	22.26	26.73
10MHz	1 RB mid	2565	QPSK	22.40	26.63
10MHz	1 RB high	2565	QPSK	22.34	26.55
10MHz	100% RB	2565	QPSK	21.32	27.43
10MHz	1 RB low	2565	16QAM	21.45	26.49
10MHz	1 RB mid	2565	16QAM	21.61	26.47
10MHz	1 RB high	2565	16QAM	21.54	26.43
10MHz	100% RB	2565	16QAM	20.46	27.10
15MHz	1 RB low	2507.5	QPSK	22.17	26.74
15MHz	1 RB mid	2507.5	QPSK	22.13	26.71
15MHz	1 RB high	2507.5	QPSK	22.11	26.77
15MHz	100% RB	2507.5	QPSK	21.17	27.30
15MHz	1 RB low	2507.5	16QAM	21.15	26.84

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15MHz	1 RB mid	2507.5	16QAM	21.14	26.88
15MHz	1 RB high	2507.5	16QAM	21.01	26.88
15MHz	100% RB	2507.5	16QAM	20.33	27.37
15MHz	1 RB low	2535	QPSK	22.46	27.23
15MHz	1 RB mid	2535	QPSK	22.43	27.18
15MHz	1 RB high	2535	QPSK	22.09	27.03
15MHz	100% RB	2535	QPSK	21.43	27.76
15MHz	1 RB low	2535	16QAM	21.77	26.96
15MHz	1 RB mid	2535	16QAM	21.89	26.96
15MHz	1 RB high	2535	16QAM	21.61	26.84
15MHz	100% RB	2535	16QAM	20.60	27.62
15MHz	1 RB low	2562.5	QPSK	22.19	26.78
15MHz	1 RB mid	2562.5	QPSK	22.38	26.68
15MHz	1 RB high	2562.5	QPSK	22.24	26.42
15MHz	100% RB	2562.5	QPSK	21.41	27.46
15MHz	1 RB low	2562.5	16QAM	21.36	26.50
15MHz	1 RB mid	2562.5	16QAM	21.63	26.51
15MHz	1 RB high	2562.5	16QAM	21.58	26.39
15MHz	100% RB	2562.5	16QAM	20.50	27.59
20MHz	1 RB low	2510	QPSK	21.99	27.05
20MHz	1 RB mid	2510	QPSK	22.06	27.18
20MHz	1 RB high	2510	QPSK	22.25	27.34
20MHz	100% RB	2510	QPSK	21.20	27.28
20MHz	1 RB low	2510	16QAM	21.13	26.03
20MHz	1 RB mid	2510	16QAM	21.28	26.10
20MHz	1 RB high	2510	16QAM	21.40	26.24
20MHz	100% RB	2510	16QAM	20.34	27.36
20MHz	1 RB low	2535	QPSK	22.44	27.12
20MHz	1 RB mid	2535	QPSK	22.51	27.10
20MHz	1 RB high	2535	QPSK	22.12	26.95
20MHz	100% RB	2535	QPSK	21.32	27.39
20MHz	1 RB low	2535	16QAM	21.59	27.14
20MHz	1 RB mid	2535	16QAM	21.83	27.21
20MHz	1 RB high	2535	16QAM	21.35	27.02
20MHz	100% RB	2535	16QAM	20.45	27.61
20MHz	1 RB low	2560	QPSK	22.04	26.76
20MHz	1 RB mid	2560	QPSK	22.45	26.69
20MHz	1 RB high	2560	QPSK	22.43	26.57

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20MHz	100% RB	2560	QPSK	21.37	27.27
20MHz	1 RB low	2560	16QAM	21.08	26.53
20MHz	1 RB mid	2560	16QAM	21.55	26.62
20MHz	1 RB high	2560	16QAM	21.51	26.53
20MHz	100% RB	2560	16QAM	20.53	27.40

LTE band 66

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Avg Power (dBm)	Peak Power (dBm)
1.4MHz	1 RB low	1710.7	QPSK	22.34	27.45
1.4MHz	1 RB mid	1710.7	QPSK	22.19	27.26
1.4MHz	1 RB high	1710.7	QPSK	22.41	27.56
1.4MHz	100% RB	1710.7	QPSK	21.23	27.78
1.4MHz	1 RB low	1710.7	16QAM	21.29	27.68
1.4MHz	1 RB mid	1710.7	16QAM	21.20	27.59
1.4MHz	1 RB high	1710.7	16QAM	21.30	27.69
1.4MHz	100% RB	1710.7	16QAM	20.28	26.76
1.4MHz	1 RB low	1745	QPSK	21.48	26.98
1.4MHz	1 RB mid	1745	QPSK	21.31	26.87
1.4MHz	1 RB high	1745	QPSK	21.43	26.99
1.4MHz	100% RB	1745	QPSK	20.34	26.66
1.4MHz	1 RB low	1745	16QAM	20.64	26.62
1.4MHz	1 RB mid	1745	16QAM	20.55	26.41
1.4MHz	1 RB high	1745	16QAM	20.59	26.46
1.4MHz	100% RB	1745	16QAM	19.36	26.66
1.4MHz	1 RB low	1779.3	QPSK	21.36	27.27
1.4MHz	1 RB mid	1779.3	QPSK	21.12	27.06
1.4MHz	1 RB high	1779.3	QPSK	21.12	27.07
1.4MHz	100% RB	1779.3	QPSK	20.30	26.35
1.4MHz	1 RB low	1779.3	16QAM	20.69	26.96
1.4MHz	1 RB mid	1779.3	16QAM	20.44	26.68
1.4MHz	1 RB high	1779.3	16QAM	20.50	26.77
1.4MHz	100% RB	1779.3	16QAM	19.57	26.80
3MHz	1 RB low	1711.5	QPSK	22.19	27.38
3MHz	1 RB mid	1711.5	QPSK	22.23	27.30
3MHz	1 RB high	1711.5	QPSK	22.18	27.33
3MHz	100% RB	1711.5	QPSK	21.23	27.09
3MHz	1 RB low	1711.5	16QAM	21.15	27.61
3MHz	1 RB mid	1711.5	16QAM	21.22	27.63

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3MHz	1 RB high	1711.5	16QAM	21.09	27.55
3MHz	100% RB	1711.5	16QAM	20.21	27.56
3MHz	1 RB low	1745	QPSK	21.26	26.84
3MHz	1 RB mid	1745	QPSK	21.33	26.90
3MHz	1 RB high	1745	QPSK	21.30	26.93
3MHz	100% RB	1745	QPSK	20.26	26.38
3MHz	1 RB low	1745	16QAM	20.49	26.32
3MHz	1 RB mid	1745	16QAM	20.59	26.43
3MHz	1 RB high	1745	16QAM	20.46	26.45
3MHz	100% RB	1745	16QAM	19.40	27.23
3MHz	1 RB low	1778.5	QPSK	21.68	26.96
3MHz	1 RB mid	1778.5	QPSK	21.34	26.65
3MHz	1 RB high	1778.5	QPSK	20.99	26.41
3MHz	100% RB	1778.5	QPSK	20.50	26.75
3MHz	1 RB low	1778.5	16QAM	20.97	26.69
3MHz	1 RB mid	1778.5	16QAM	20.65	26.27
3MHz	1 RB high	1778.5	16QAM	20.32	26.03
3MHz	100% RB	1778.5	16QAM	19.77	26.23
5MHz	1 RB low	1712.5	QPSK	22.25	27.49
5MHz	1 RB mid	1712.5	QPSK	22.30	27.36
5MHz	1 RB high	1712.5	QPSK	22.13	27.29
5MHz	100% RB	1712.5	QPSK	21.14	27.31
5MHz	1 RB low	1712.5	16QAM	21.20	26.99
5MHz	1 RB mid	1712.5	16QAM	21.34	26.93
5MHz	1 RB high	1712.5	16QAM	21.23	26.90
5MHz	100% RB	1712.5	16QAM	20.26	27.24
5MHz	1 RB low	1745	QPSK	21.31	26.19
5MHz	1 RB mid	1745	QPSK	21.44	26.26
5MHz	1 RB high	1745	QPSK	21.34	26.23
5MHz	100% RB	1745	QPSK	20.24	26.81
5MHz	1 RB low	1745	16QAM	20.56	26.12
5MHz	1 RB mid	1745	16QAM	20.70	26.20
5MHz	1 RB high	1745	16QAM	20.59	26.20
5MHz	100% RB	1745	16QAM	19.42	26.49
5MHz	1 RB low	1777.5	QPSK	22.10	26.92
5MHz	1 RB mid	1777.5	QPSK	21.68	26.56
5MHz	1 RB high	1777.5	QPSK	21.10	26.09
5MHz	100% RB	1777.5	QPSK	20.69	26.85

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5MHz	1 RB low	1777.5	16QAM	21.24	26.96
5MHz	1 RB mid	1777.5	16QAM	20.88	26.63
5MHz	1 RB high	1777.5	16QAM	20.31	26.23
5MHz	100% RB	1777.5	16QAM	19.93	27.26
10MHz	1 RB low	1715	QPSK	22.08	27.27
10MHz	1 RB mid	1715	QPSK	22.11	27.13
10MHz	1 RB high	1715	QPSK	22.40	27.37
10MHz	100% RB	1715	QPSK	21.11	27.40
10MHz	1 RB low	1715	16QAM	20.91	27.49
10MHz	1 RB mid	1715	16QAM	21.10	27.48
10MHz	1 RB high	1715	16QAM	21.36	27.66
10MHz	100% RB	1715	16QAM	20.17	26.81
10MHz	1 RB low	1745	QPSK	21.10	26.75
10MHz	1 RB mid	1745	QPSK	21.28	26.89
10MHz	1 RB high	1745	QPSK	21.10	26.91
10MHz	100% RB	1745	QPSK	20.09	26.94
10MHz	1 RB low	1745	16QAM	20.34	26.26
10MHz	1 RB mid	1745	16QAM	20.45	26.34
10MHz	1 RB high	1745	16QAM	20.39	26.43
10MHz	100% RB	1745	16QAM	19.31	26.91
10MHz	1 RB low	1775	QPSK	22.44	27.68
10MHz	1 RB mid	1775	QPSK	22.08	27.22
10MHz	1 RB high	1775	QPSK	20.92	26.43
10MHz	100% RB	1775	QPSK	20.99	27.55
10MHz	1 RB low	1775	16QAM	21.62	27.19
10MHz	1 RB mid	1775	16QAM	21.39	26.87
10MHz	1 RB high	1775	16QAM	20.24	26.05
10MHz	100% RB	1775	16QAM	20.18	27.36
15MHz	1 RB low	1717.5	QPSK	22.13	27.32
15MHz	1 RB mid	1717.5	QPSK	22.42	27.36
15MHz	1 RB high	1717.5	QPSK	22.88	27.74
15MHz	100% RB	1717.5	QPSK	21.45	27.79
15MHz	1 RB low	1717.5	16QAM	21.02	27.57
15MHz	1 RB mid	1717.5	16QAM	21.32	27.58
15MHz	1 RB high	1717.5	16QAM	21.81	27.94
15MHz	100% RB	1717.5	16QAM	20.52	27.39
15MHz	1 RB low	1745	QPSK	21.49	26.90
15MHz	1 RB mid	1745	QPSK	21.35	26.95

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15MHz	1 RB high	1745	QPSK	21.46	27.20
15MHz	100% RB	1745	QPSK	20.34	27.22
15MHz	1 RB low	1745	16QAM	20.85	26.52
15MHz	1 RB mid	1745	16QAM	20.74	26.50
15MHz	1 RB high	1745	16QAM	20.81	26.64
15MHz	100% RB	1745	16QAM	19.55	27.13
15MHz	1 RB low	1772.5	QPSK	22.37	27.62
15MHz	1 RB mid	1772.5	QPSK	22.43	27.57
15MHz	1 RB high	1772.5	QPSK	21.13	26.59
15MHz	100% RB	1772.5	QPSK	21.25	27.64
15MHz	1 RB low	1772.5	16QAM	21.52	27.05
15MHz	1 RB mid	1772.5	16QAM	21.69	27.19
15MHz	1 RB high	1772.5	16QAM	20.47	26.16
15MHz	100% RB	1772.5	16QAM	20.42	28.04
20MHz	1 RB low	1720	QPSK	22.00	28.28
20MHz	1 RB mid	1720	QPSK	22.70	28.61
20MHz	1 RB high	1720	QPSK	22.46	28.02
20MHz	100% RB	1720	QPSK	21.66	27.88
20MHz	1 RB low	1720	16QAM	21.05	26.18
20MHz	1 RB mid	1720	16QAM	21.79	26.61
20MHz	1 RB high	1720	16QAM	21.65	26.71
20MHz	100% RB	1720	16QAM	20.75	27.87
20MHz	1 RB low	1745	QPSK	21.83	27.02
20MHz	1 RB mid	1745	QPSK	21.48	26.91
20MHz	1 RB high	1745	QPSK	21.55	27.21
20MHz	100% RB	1745	QPSK	20.36	26.96
20MHz	1 RB low	1745	16QAM	21.06	27.01
20MHz	1 RB mid	1745	16QAM	20.65	26.89
20MHz	1 RB high	1745	16QAM	20.83	27.18
20MHz	100% RB	1745	16QAM	19.56	27.42
20MHz	1 RB low	1770	QPSK	22.38	27.58
20MHz	1 RB mid	1770	QPSK	22.78	27.81
20MHz	1 RB high	1770	QPSK	21.32	26.66
20MHz	100% RB	1770	QPSK	21.17	27.35
20MHz	1 RB low	1770	16QAM	21.47	27.22
20MHz	1 RB mid	1770	16QAM	21.87	27.51
20MHz	1 RB high	1770	16QAM	20.37	26.33
20MHz	100% RB	1770	16QAM	20.36	27.72

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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 (handheld) stations operating in the 1710–1755 MHz band are limited to 1 watt EIRP".

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

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

Conducted RF Power (dBm) +Antenna Gain (dBi) =EIRP (dBm)

Conducted RF Power (dBm) +Antenna Gain (dBi) -2.15dB=ERP (dBm)

Frequency Band	AntennaGain (dBi)	AntennaGain (dBd)
LTE Band 2	5	--
LTE Band 4	5	--
LTE Band 5	2	--
LTE Band 7	5	--
LTE Band 66	5	--

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6.3.1 LTE Band 2 result

LTE Band 2

Limits 33dBm(2w)

Max EIRP:27.74dBm

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Avg Power (dBm)	Radiated Power(dBm) G _T = 5dBi
1.4MHz	1 RB low	1850.7	QPSK	22.24	27.24
1.4MHz	1 RB mid	1850.7	QPSK	22.04	27.04
1.4MHz	1 RB high	1850.7	QPSK	22.18	27.18
1.4MHz	100% RB	1850.7	QPSK	21.11	26.11
1.4MHz	1 RB low	1850.7	16QAM	21.49	26.49
1.4MHz	1 RB mid	1850.7	16QAM	21.25	26.25
1.4MHz	1 RB high	1850.7	16QAM	21.42	26.42
1.4MHz	100% RB	1850.7	16QAM	20.34	25.34
1.4MHz	1 RB low	1880	QPSK	22.54	27.54
1.4MHz	1 RB mid	1880	QPSK	22.49	27.49
1.4MHz	1 RB high	1880	QPSK	22.56	27.56
1.4MHz	100% RB	1880	QPSK	21.44	26.44
1.4MHz	1 RB low	1880	16QAM	21.57	26.57
1.4MHz	1 RB mid	1880	16QAM	21.43	26.43
1.4MHz	1 RB high	1880	16QAM	21.51	26.51
1.4MHz	100% RB	1880	16QAM	20.54	25.54
1.4MHz	1 RB low	1909.3	QPSK	22.74	27.74
1.4MHz	1 RB mid	1909.3	QPSK	22.51	27.51
1.4MHz	1 RB high	1909.3	QPSK	22.60	27.60
1.4MHz	100% RB	1909.3	QPSK	21.61	26.61
1.4MHz	1 RB low	1909.3	16QAM	21.96	26.96
1.4MHz	1 RB mid	1909.3	16QAM	21.76	26.76
1.4MHz	1 RB high	1909.3	16QAM	21.87	26.87
1.4MHz	100% RB	1909.3	16QAM	20.54	25.54
3MHz	1 RB low	1851.5	QPSK	22.12	27.12
3MHz	1 RB mid	1851.5	QPSK	22.09	27.09
3MHz	1 RB high	1851.5	QPSK	22.00	27.00
3MHz	100% RB	1851.5	QPSK	21.06	26.06
3MHz	1 RB low	1851.5	16QAM	21.06	26.06

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3MHz	1 RB mid	1851.5	16QAM	21.08	26.08
3MHz	1 RB high	1851.5	16QAM	21.00	26.00
3MHz	100% RB	1851.5	16QAM	20.28	25.28
3MHz	1 RB low	1880	QPSK	22.48	27.48
3MHz	1 RB mid	1880	QPSK	22.47	27.47
3MHz	1 RB high	1880	QPSK	22.28	27.28
3MHz	100% RB	1880	QPSK	21.42	26.42
3MHz	1 RB low	1880	16QAM	21.67	26.67
3MHz	1 RB mid	1880	16QAM	21.65	26.65
3MHz	1 RB high	1880	16QAM	21.46	26.46
3MHz	100% RB	1880	16QAM	20.43	25.43
3MHz	1 RB low	1908.5	QPSK	22.69	27.69
3MHz	1 RB mid	1908.5	QPSK	22.58	27.58
3MHz	1 RB high	1908.5	QPSK	22.35	27.35
3MHz	100% RB	1908.5	QPSK	21.68	26.68
3MHz	1 RB low	1908.5	16QAM	21.94	26.94
3MHz	1 RB mid	1908.5	16QAM	21.85	26.85
3MHz	1 RB high	1908.5	16QAM	21.64	26.64
3MHz	100% RB	1908.5	16QAM	20.79	25.79
5MHz	1 RB low	1852.5	QPSK	22.13	27.13
5MHz	1 RB mid	1852.5	QPSK	22.17	27.17
5MHz	1 RB high	1852.5	QPSK	22.03	27.03
5MHz	100% RB	1852.5	QPSK	21.08	26.08
5MHz	1 RB low	1852.5	16QAM	21.21	26.21
5MHz	1 RB mid	1852.5	16QAM	21.25	26.25
5MHz	1 RB high	1852.5	16QAM	21.09	26.09
5MHz	100% RB	1852.5	16QAM	20.31	25.31
5MHz	1 RB low	1880	QPSK	22.52	27.52
5MHz	1 RB mid	1880	QPSK	22.52	27.52
5MHz	1 RB high	1880	QPSK	22.23	27.23
5MHz	100% RB	1880	QPSK	21.41	26.41
5MHz	1 RB low	1880	16QAM	21.79	26.79
5MHz	1 RB mid	1880	16QAM	21.80	26.80
5MHz	1 RB high	1880	16QAM	21.51	26.51
5MHz	100% RB	1880	16QAM	20.48	25.48
5MHz	1 RB low	1907.5	QPSK	22.73	27.73
5MHz	1 RB mid	1907.5	QPSK	22.72	27.72
5MHz	1 RB high	1907.5	QPSK	22.37	27.37

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5MHz	100% RB	1907.5	QPSK	21.64	26.64
5MHz	1 RB low	1907.5	16QAM	21.81	26.81
5MHz	1 RB mid	1907.5	16QAM	21.83	26.83
5MHz	1 RB high	1907.5	16QAM	21.51	26.51
5MHz	100% RB	1907.5	16QAM	20.76	25.76
10MHz	1 RB low	1855	QPSK	22.04	27.04
10MHz	1 RB mid	1855	QPSK	22.01	27.01
10MHz	1 RB high	1855	QPSK	21.97	26.97
10MHz	100% RB	1855	QPSK	20.98	25.98
10MHz	1 RB low	1855	16QAM	21.00	26.00
10MHz	1 RB mid	1855	16QAM	20.99	25.99
10MHz	1 RB high	1855	16QAM	20.99	25.99
10MHz	100% RB	1855	16QAM	20.18	25.18
10MHz	1 RB low	1880	QPSK	22.36	27.36
10MHz	1 RB mid	1880	QPSK	22.35	27.35
10MHz	1 RB high	1880	QPSK	21.75	26.75
10MHz	100% RB	1880	QPSK	21.20	26.20
10MHz	1 RB low	1880	16QAM	21.68	26.68
10MHz	1 RB mid	1880	16QAM	21.64	26.64
10MHz	1 RB high	1880	16QAM	21.02	26.02
10MHz	100% RB	1880	16QAM	20.32	25.32
10MHz	1 RB low	1905	QPSK	22.40	27.40
10MHz	1 RB mid	1905	QPSK	22.65	27.65
10MHz	1 RB high	1905	QPSK	22.05	27.05
10MHz	100% RB	1905	QPSK	21.54	26.54
10MHz	1 RB low	1905	16QAM	21.76	26.76
10MHz	1 RB mid	1905	16QAM	21.94	26.94
10MHz	1 RB high	1905	16QAM	21.42	26.42
10MHz	100% RB	1905	16QAM	20.62	25.62
15MHz	1 RB low	1857.5	QPSK	22.17	27.17
15MHz	1 RB mid	1857.5	QPSK	22.30	27.30
15MHz	1 RB high	1857.5	QPSK	22.37	27.37
15MHz	100% RB	1857.5	QPSK	21.29	26.29
15MHz	1 RB low	1857.5	16QAM	21.21	26.21
15MHz	1 RB mid	1857.5	16QAM	21.30	26.30
15MHz	1 RB high	1857.5	16QAM	21.35	26.35
15MHz	100% RB	1857.5	16QAM	20.53	25.53
15MHz	1 RB low	1880	QPSK	22.65	27.65

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15MHz	1 RB mid	1880	QPSK	22.46	27.46
15MHz	1 RB high	1880	QPSK	21.98	26.98
15MHz	100% RB	1880	QPSK	21.40	26.40
15MHz	1 RB low	1880	16QAM	22.03	27.03
15MHz	1 RB mid	1880	16QAM	21.86	26.86
15MHz	1 RB high	1880	16QAM	21.41	26.41
15MHz	100% RB	1880	16QAM	20.47	25.47
15MHz	1 RB low	1902.5	QPSK	22.28	27.28
15MHz	1 RB mid	1902.5	QPSK	22.72	27.72
15MHz	1 RB high	1902.5	QPSK	22.25	27.25
15MHz	100% RB	1902.5	QPSK	21.69	26.69
15MHz	1 RB low	1902.5	16QAM	21.58	26.58
15MHz	1 RB mid	1902.5	16QAM	22.00	27.00
15MHz	1 RB high	1902.5	16QAM	21.57	26.57
15MHz	100% RB	1902.5	16QAM	20.71	25.71
20MHz	1 RB low	1860	QPSK	22.10	27.10
20MHz	1 RB mid	1860	QPSK	22.31	27.31
20MHz	1 RB high	1860	QPSK	22.34	27.34
20MHz	100% RB	1860	QPSK	21.37	26.37
20MHz	1 RB low	1860	16QAM	21.23	26.23
20MHz	1 RB mid	1860	16QAM	21.49	26.49
20MHz	1 RB high	1860	16QAM	21.56	26.56
20MHz	100% RB	1860	16QAM	20.60	25.60
20MHz	1 RB low	1880	QPSK	22.53	27.53
20MHz	1 RB mid	1880	QPSK	22.54	27.54
20MHz	1 RB high	1880	QPSK	21.95	26.95
20MHz	100% RB	1880	QPSK	21.31	26.31
20MHz	1 RB low	1880	16QAM	21.91	26.91
20MHz	1 RB mid	1880	16QAM	21.84	26.84
20MHz	1 RB high	1880	16QAM	21.33	26.33
20MHz	100% RB	1880	16QAM	20.36	25.36
20MHz	1 RB low	1900	QPSK	22.14	27.14
20MHz	1 RB mid	1900	QPSK	22.71	27.71
20MHz	1 RB high	1900	QPSK	22.27	27.27
20MHz	100% RB	1900	QPSK	21.55	26.55
20MHz	1 RB low	1900	16QAM	21.23	26.23
20MHz	1 RB mid	1900	16QAM	21.88	26.88
20MHz	1 RB high	1900	16QAM	21.39	26.39

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20MHz	100% RB	1900	16QAM	20.65	25.65
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6.3.2 LTE Band 5 result

LTE Band 5

Limits 38.5dBm(7w)

Max ERP:23.84dBm

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Avg Power (dBm)	Radiated Power(dBm) G _T = 3dBi
1.4MHz	1 RB low	824.7	QPSK	22.63	23.48
1.4MHz	1 RB mid	824.7	QPSK	22.58	23.43
1.4MHz	1 RB high	824.7	QPSK	22.74	23.59
1.4MHz	100% RB	824.7	QPSK	21.56	22.41
1.4MHz	1 RB low	824.7	16QAM	21.48	22.33
1.4MHz	1 RB mid	824.7	16QAM	21.45	22.30
1.4MHz	1 RB high	824.7	16QAM	21.73	22.58
1.4MHz	100% RB	824.7	16QAM	20.64	21.49
1.4MHz	1 RB low	836.5	QPSK	22.69	23.54
1.4MHz	1 RB mid	836.5	QPSK	22.55	23.40
1.4MHz	1 RB high	836.5	QPSK	22.65	23.50
1.4MHz	100% RB	836.5	QPSK	21.63	22.48
1.4MHz	1 RB low	836.5	16QAM	21.92	22.77
1.4MHz	1 RB mid	836.5	16QAM	21.80	22.65
1.4MHz	1 RB high	836.5	16QAM	21.88	22.73
1.4MHz	100% RB	836.5	16QAM	20.65	21.50
1.4MHz	1 RB low	848.3	QPSK	22.99	23.84
1.4MHz	1 RB mid	848.3	QPSK	22.78	23.63
1.4MHz	1 RB high	848.3	QPSK	22.81	23.66
1.4MHz	100% RB	848.3	QPSK	21.76	22.61
1.4MHz	1 RB low	848.3	16QAM	22.11	22.96
1.4MHz	1 RB mid	848.3	16QAM	21.95	22.80
1.4MHz	1 RB high	848.3	16QAM	22.00	22.85
1.4MHz	100% RB	848.3	16QAM	20.93	21.78
3MHz	1 RB low	825.5	QPSK	22.44	23.29
3MHz	1 RB mid	825.5	QPSK	22.67	23.52
3MHz	1 RB high	825.5	QPSK	22.75	23.60

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3MHz	100% RB	825.5	QPSK	21.64	22.49
3MHz	1 RB low	825.5	16QAM	21.36	22.21
3MHz	1 RB mid	825.5	16QAM	21.66	22.51
3MHz	1 RB high	825.5	16QAM	21.67	22.52
3MHz	100% RB	825.5	16QAM	20.62	21.47
3MHz	1 RB low	836.5	QPSK	22.59	23.44
3MHz	1 RB mid	836.5	QPSK	22.52	23.37
3MHz	1 RB high	836.5	QPSK	22.45	23.30
3MHz	100% RB	836.5	QPSK	21.60	22.45
3MHz	1 RB low	836.5	16QAM	21.82	22.67
3MHz	1 RB mid	836.5	16QAM	21.79	22.64
3MHz	1 RB high	836.5	16QAM	21.70	22.55
3MHz	100% RB	836.5	16QAM	20.64	21.49
3MHz	1 RB low	847.5	QPSK	22.81	23.66
3MHz	1 RB mid	847.5	QPSK	22.77	23.62
3MHz	1 RB high	847.5	QPSK	22.58	23.43
3MHz	100% RB	847.5	QPSK	21.77	22.62
3MHz	1 RB low	847.5	16QAM	21.97	22.82
3MHz	1 RB mid	847.5	16QAM	21.97	22.82
3MHz	1 RB high	847.5	16QAM	21.76	22.61
3MHz	100% RB	847.5	16QAM	20.88	21.73
5MHz	1 RB low	826.5	QPSK	22.51	23.36
5MHz	1 RB mid	826.5	QPSK	22.91	23.76
5MHz	1 RB high	826.5	QPSK	22.94	23.79
5MHz	100% RB	826.5	QPSK	21.71	22.56
5MHz	1 RB low	826.5	16QAM	21.52	22.37
5MHz	1 RB mid	826.5	16QAM	21.97	22.82
5MHz	1 RB high	826.5	16QAM	21.99	22.84
5MHz	100% RB	826.5	16QAM	20.87	21.72
5MHz	1 RB low	836.5	QPSK	22.60	23.45
5MHz	1 RB mid	836.5	QPSK	22.63	23.48
5MHz	1 RB high	836.5	QPSK	22.49	23.34
5MHz	100% RB	836.5	QPSK	21.56	22.41
5MHz	1 RB low	836.5	16QAM	21.86	22.71
5MHz	1 RB mid	836.5	16QAM	21.90	22.75
5MHz	1 RB high	836.5	16QAM	21.70	22.55
5MHz	100% RB	836.5	16QAM	20.66	21.51
5MHz	1 RB low	846.5	QPSK	22.90	23.75

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5MHz	1 RB mid	846.5	QPSK	22.92	23.77
5MHz	1 RB high	846.5	QPSK	22.68	23.53
5MHz	100% RB	846.5	QPSK	21.79	22.64
5MHz	1 RB low	846.5	16QAM	21.89	22.74
5MHz	1 RB mid	846.5	16QAM	21.99	22.84
5MHz	1 RB high	846.5	16QAM	21.71	22.56
5MHz	100% RB	846.5	16QAM	20.92	21.77
10MHz	1 RB low	829	QPSK	22.24	23.09
10MHz	1 RB mid	829	QPSK	22.83	23.68
10MHz	1 RB high	829	QPSK	22.30	23.15
10MHz	100% RB	829	QPSK	21.59	22.44
10MHz	1 RB low	829	16QAM	21.15	22.00
10MHz	1 RB mid	829	16QAM	21.84	22.69
10MHz	1 RB high	829	16QAM	21.30	22.15
10MHz	100% RB	829	16QAM	20.67	21.52
10MHz	1 RB low	836.5	QPSK	22.57	23.42
10MHz	1 RB mid	836.5	QPSK	22.40	23.25
10MHz	1 RB high	836.5	QPSK	22.17	23.02
10MHz	100% RB	836.5	QPSK	21.34	22.19
10MHz	1 RB low	836.5	16QAM	21.80	22.65
10MHz	1 RB mid	836.5	16QAM	21.66	22.51
10MHz	1 RB high	836.5	16QAM	21.32	22.17
10MHz	100% RB	836.5	16QAM	20.38	21.23
10MHz	1 RB low	844	QPSK	22.24	23.09
10MHz	1 RB mid	844	QPSK	22.59	23.44
10MHz	1 RB high	844	QPSK	22.32	23.17
10MHz	100% RB	844	QPSK	21.39	22.24
10MHz	1 RB low	844	16QAM	21.44	22.29
10MHz	1 RB mid	844	16QAM	21.78	22.63
10MHz	1 RB high	844	16QAM	21.51	22.36
10MHz	100% RB	844	16QAM	20.47	21.32

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6.3.3 LTE Band 7 result

LTE band 7

Limits 33dBm(2w)

Max EIRP:27.56dBm

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Avg Power (dBm)	Radiated Power(dBm) G _T = 5dBi
5MHz	1 RB low	2502.5	QPSK	22.29	27.29
5MHz	1 RB mid	2502.5	QPSK	22.30	27.30
5MHz	1 RB high	2502.5	QPSK	22.15	27.15
5MHz	100% RB	2502.5	QPSK	21.20	26.20
5MHz	1 RB low	2502.5	16QAM	21.33	26.33
5MHz	1 RB mid	2502.5	16QAM	21.35	26.35
5MHz	1 RB high	2502.5	16QAM	21.19	26.19
5MHz	100% RB	2502.5	16QAM	20.40	25.40
5MHz	1 RB low	2535	QPSK	22.48	27.48
5MHz	1 RB mid	2535	QPSK	22.51	27.51
5MHz	1 RB high	2535	QPSK	22.48	27.48
5MHz	100% RB	2535	QPSK	21.58	26.58
5MHz	1 RB low	2535	16QAM	21.78	26.78
5MHz	1 RB mid	2535	16QAM	21.90	26.90
5MHz	1 RB high	2535	16QAM	21.72	26.72
5MHz	100% RB	2535	16QAM	20.66	25.66
5MHz	1 RB low	2567.5	QPSK	22.45	27.45
5MHz	1 RB mid	2567.5	QPSK	22.56	27.56
5MHz	1 RB high	2567.5	QPSK	22.47	27.47
5MHz	100% RB	2567.5	QPSK	21.47	26.47
5MHz	1 RB low	2567.5	16QAM	21.49	26.49
5MHz	1 RB mid	2567.5	16QAM	21.60	26.60
5MHz	1 RB high	2567.5	16QAM	21.55	26.55
5MHz	100% RB	2567.5	16QAM	20.57	25.57
10MHz	1 RB low	2505	QPSK	22.06	27.06
10MHz	1 RB mid	2505	QPSK	22.13	27.13
10MHz	1 RB high	2505	QPSK	22.01	27.01
10MHz	100% RB	2505	QPSK	21.03	26.03
10MHz	1 RB low	2505	16QAM	21.03	26.03

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10MHz	1 RB mid	2505	16QAM	21.11	26.11
10MHz	1 RB high	2505	16QAM	20.93	25.93
10MHz	100% RB	2505	16QAM	20.26	25.26
10MHz	1 RB low	2535	QPSK	22.34	27.34
10MHz	1 RB mid	2535	QPSK	22.46	27.46
10MHz	1 RB high	2535	QPSK	22.19	27.19
10MHz	100% RB	2535	QPSK	21.39	26.39
10MHz	1 RB low	2535	16QAM	21.57	26.57
10MHz	1 RB mid	2535	16QAM	21.76	26.76
10MHz	1 RB high	2535	16QAM	21.45	26.45
10MHz	100% RB	2535	16QAM	20.53	25.53
10MHz	1 RB low	2565	QPSK	22.26	27.26
10MHz	1 RB mid	2565	QPSK	22.40	27.40
10MHz	1 RB high	2565	QPSK	22.34	27.34
10MHz	100% RB	2565	QPSK	21.32	26.32
10MHz	1 RB low	2565	16QAM	21.45	26.45
10MHz	1 RB mid	2565	16QAM	21.61	26.61
10MHz	1 RB high	2565	16QAM	21.54	26.54
10MHz	100% RB	2565	16QAM	20.46	25.46
15MHz	1 RB low	2507.5	QPSK	22.17	27.17
15MHz	1 RB mid	2507.5	QPSK	22.13	27.13
15MHz	1 RB high	2507.5	QPSK	22.11	27.11
15MHz	100% RB	2507.5	QPSK	21.17	26.17
15MHz	1 RB low	2507.5	16QAM	21.15	26.15
15MHz	1 RB mid	2507.5	16QAM	21.14	26.14
15MHz	1 RB high	2507.5	16QAM	21.01	26.01
15MHz	100% RB	2507.5	16QAM	20.33	25.33
15MHz	1 RB low	2535	QPSK	22.46	27.46
15MHz	1 RB mid	2535	QPSK	22.43	27.43
15MHz	1 RB high	2535	QPSK	22.09	27.09
15MHz	100% RB	2535	QPSK	21.43	26.43
15MHz	1 RB low	2535	16QAM	21.77	26.77
15MHz	1 RB mid	2535	16QAM	21.89	26.89
15MHz	1 RB high	2535	16QAM	21.61	26.61
15MHz	100% RB	2535	16QAM	20.60	25.60
15MHz	1 RB low	2562.5	QPSK	22.19	27.19
15MHz	1 RB mid	2562.5	QPSK	22.38	27.38
15MHz	1 RB high	2562.5	QPSK	22.24	27.24

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15MHz	100% RB	2562.5	QPSK	21.41	26.41
15MHz	1 RB low	2562.5	16QAM	21.36	26.36
15MHz	1 RB mid	2562.5	16QAM	21.63	26.63
15MHz	1 RB high	2562.5	16QAM	21.58	26.58
15MHz	100% RB	2562.5	16QAM	20.50	25.50
20MHz	1 RB low	2510	QPSK	21.99	26.99
20MHz	1 RB mid	2510	QPSK	22.06	27.06
20MHz	1 RB high	2510	QPSK	22.25	27.25
20MHz	100% RB	2510	QPSK	21.20	26.20
20MHz	1 RB low	2510	16QAM	21.13	26.13
20MHz	1 RB mid	2510	16QAM	21.28	26.28
20MHz	1 RB high	2510	16QAM	21.40	26.40
20MHz	100% RB	2510	16QAM	20.34	25.34
20MHz	1 RB low	2535	QPSK	22.44	27.44
20MHz	1 RB mid	2535	QPSK	22.51	27.51
20MHz	1 RB high	2535	QPSK	22.12	27.12
20MHz	100% RB	2535	QPSK	21.32	26.32
20MHz	1 RB low	2535	16QAM	21.59	26.59
20MHz	1 RB mid	2535	16QAM	21.83	26.83
20MHz	1 RB high	2535	16QAM	21.35	26.35
20MHz	100% RB	2535	16QAM	20.45	25.45
20MHz	1 RB low	2560	QPSK	22.04	27.04
20MHz	1 RB mid	2560	QPSK	22.45	27.45
20MHz	1 RB high	2560	QPSK	22.43	27.43
20MHz	100% RB	2560	QPSK	21.37	26.37
20MHz	1 RB low	2560	16QAM	21.08	26.08
20MHz	1 RB mid	2560	16QAM	21.55	26.55
20MHz	1 RB high	2560	16QAM	21.51	26.51
20MHz	100% RB	2560	16QAM	20.53	25.53

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6.3.4 LTE Band 66 result

LTE Band 66

Limits 30dBm(1w)

Max EIRP:27.88dBm

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Avg Power (dBm)	Radiated Power(dBm) G _T = 5dBi
1.4MHz	1 RB low	1710.7	QPSK	22.34	27.34
1.4MHz	1 RB mid	1710.7	QPSK	22.19	27.19
1.4MHz	1 RB high	1710.7	QPSK	22.41	27.41
1.4MHz	100% RB	1710.7	QPSK	21.23	26.23
1.4MHz	1 RB low	1710.7	16QAM	21.29	26.29
1.4MHz	1 RB mid	1710.7	16QAM	21.20	26.20
1.4MHz	1 RB high	1710.7	16QAM	21.30	26.30
1.4MHz	100% RB	1710.7	16QAM	20.28	25.28
1.4MHz	1 RB low	1745	QPSK	21.48	26.48
1.4MHz	1 RB mid	1745	QPSK	21.31	26.31
1.4MHz	1 RB high	1745	QPSK	21.43	26.43
1.4MHz	100% RB	1745	QPSK	20.34	25.34
1.4MHz	1 RB low	1745	16QAM	20.64	25.64
1.4MHz	1 RB mid	1745	16QAM	20.55	25.55
1.4MHz	1 RB high	1745	16QAM	20.59	25.59
1.4MHz	100% RB	1745	16QAM	19.36	24.36
1.4MHz	1 RB low	1779.3	QPSK	21.36	26.36
1.4MHz	1 RB mid	1779.3	QPSK	21.12	26.12
1.4MHz	1 RB high	1779.3	QPSK	21.12	26.12
1.4MHz	100% RB	1779.3	QPSK	20.30	25.30
1.4MHz	1 RB low	1779.3	16QAM	20.69	25.69
1.4MHz	1 RB mid	1779.3	16QAM	20.44	25.44
1.4MHz	1 RB high	1779.3	16QAM	20.50	25.50
1.4MHz	100% RB	1779.3	16QAM	19.57	24.57
3MHz	1 RB low	1711.5	QPSK	22.19	27.19
3MHz	1 RB mid	1711.5	QPSK	22.23	27.23
3MHz	1 RB high	1711.5	QPSK	22.18	27.18
3MHz	100% RB	1711.5	QPSK	21.23	26.23
3MHz	1 RB low	1711.5	16QAM	21.15	26.15
3MHz	1 RB mid	1711.5	16QAM	21.22	26.22

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3MHz	1 RB high	1711.5	16QAM	21.09	26.09
3MHz	100% RB	1711.5	16QAM	20.21	25.21
3MHz	1 RB low	1745	QPSK	21.26	26.26
3MHz	1 RB mid	1745	QPSK	21.33	26.33
3MHz	1 RB high	1745	QPSK	21.30	26.30
3MHz	100% RB	1745	QPSK	20.26	25.26
3MHz	1 RB low	1745	16QAM	20.49	25.49
3MHz	1 RB mid	1745	16QAM	20.59	25.59
3MHz	1 RB high	1745	16QAM	20.46	25.46
3MHz	100% RB	1745	16QAM	19.40	24.40
3MHz	1 RB low	1778.5	QPSK	21.68	26.68
3MHz	1 RB mid	1778.5	QPSK	21.34	26.34
3MHz	1 RB high	1778.5	QPSK	20.99	25.99
3MHz	100% RB	1778.5	QPSK	20.50	25.50
3MHz	1 RB low	1778.5	16QAM	20.97	25.97
3MHz	1 RB mid	1778.5	16QAM	20.65	25.65
3MHz	1 RB high	1778.5	16QAM	20.32	25.32
3MHz	100% RB	1778.5	16QAM	19.77	24.77
5MHz	1 RB low	1712.5	QPSK	22.25	27.25
5MHz	1 RB mid	1712.5	QPSK	22.30	27.30
5MHz	1 RB high	1712.5	QPSK	22.13	27.13
5MHz	100% RB	1712.5	QPSK	21.14	26.14
5MHz	1 RB low	1712.5	16QAM	21.20	26.20
5MHz	1 RB mid	1712.5	16QAM	21.34	26.34
5MHz	1 RB high	1712.5	16QAM	21.23	26.23
5MHz	100% RB	1712.5	16QAM	20.26	25.26
5MHz	1 RB low	1745	QPSK	21.31	26.31
5MHz	1 RB mid	1745	QPSK	21.44	26.44
5MHz	1 RB high	1745	QPSK	21.34	26.34
5MHz	100% RB	1745	QPSK	20.24	25.24
5MHz	1 RB low	1745	16QAM	20.56	25.56
5MHz	1 RB mid	1745	16QAM	20.70	25.70
5MHz	1 RB high	1745	16QAM	20.59	25.59
5MHz	100% RB	1745	16QAM	19.42	24.42
5MHz	1 RB low	1777.5	QPSK	22.10	27.10
5MHz	1 RB mid	1777.5	QPSK	21.68	26.68
5MHz	1 RB high	1777.5	QPSK	21.10	26.10
5MHz	100% RB	1777.5	QPSK	20.69	25.69

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5MHz	1 RB low	1777.5	16QAM	21.24	26.24
5MHz	1 RB mid	1777.5	16QAM	20.88	25.88
5MHz	1 RB high	1777.5	16QAM	20.31	25.31
5MHz	100% RB	1777.5	16QAM	19.93	24.93
10MHz	1 RB low	1715	QPSK	22.08	27.08
10MHz	1 RB mid	1715	QPSK	22.11	27.11
10MHz	1 RB high	1715	QPSK	22.40	27.40
10MHz	100% RB	1715	QPSK	21.11	26.11
10MHz	1 RB low	1715	16QAM	20.91	25.91
10MHz	1 RB mid	1715	16QAM	21.10	26.10
10MHz	1 RB high	1715	16QAM	21.36	26.36
10MHz	100% RB	1715	16QAM	20.17	25.17
10MHz	1 RB low	1745	QPSK	21.10	26.10
10MHz	1 RB mid	1745	QPSK	21.28	26.28
10MHz	1 RB high	1745	QPSK	21.10	26.10
10MHz	100% RB	1745	QPSK	20.09	25.09
10MHz	1 RB low	1745	16QAM	20.34	25.34
10MHz	1 RB mid	1745	16QAM	20.45	25.45
10MHz	1 RB high	1745	16QAM	20.39	25.39
10MHz	100% RB	1745	16QAM	19.31	24.31
10MHz	1 RB low	1775	QPSK	22.44	27.44
10MHz	1 RB mid	1775	QPSK	22.08	27.08
10MHz	1 RB high	1775	QPSK	20.92	25.92
10MHz	100% RB	1775	QPSK	20.99	25.99
10MHz	1 RB low	1775	16QAM	21.62	26.62
10MHz	1 RB mid	1775	16QAM	21.39	26.39
10MHz	1 RB high	1775	16QAM	20.24	25.24
10MHz	100% RB	1775	16QAM	20.18	25.18
15MHz	1 RB low	1717.5	QPSK	22.13	27.13
15MHz	1 RB mid	1717.5	QPSK	22.42	27.42
15MHz	1 RB high	1717.5	QPSK	22.88	27.88
15MHz	100% RB	1717.5	QPSK	21.45	26.45
15MHz	1 RB low	1717.5	16QAM	21.02	26.02
15MHz	1 RB mid	1717.5	16QAM	21.32	26.32
15MHz	1 RB high	1717.5	16QAM	21.81	26.81
15MHz	100% RB	1717.5	16QAM	20.52	25.52
15MHz	1 RB low	1745	QPSK	21.49	26.49
15MHz	1 RB mid	1745	QPSK	21.35	26.35

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15MHz	1 RB high	1745	QPSK	21.46	26.46
15MHz	100% RB	1745	QPSK	20.34	25.34
15MHz	1 RB low	1745	16QAM	20.85	25.85
15MHz	1 RB mid	1745	16QAM	20.74	25.74
15MHz	1 RB high	1745	16QAM	20.81	25.81
15MHz	100% RB	1745	16QAM	19.55	24.55
15MHz	1 RB low	1772.5	QPSK	22.37	27.37
15MHz	1 RB mid	1772.5	QPSK	22.43	27.43
15MHz	1 RB high	1772.5	QPSK	21.13	26.13
15MHz	100% RB	1772.5	QPSK	21.25	26.25
15MHz	1 RB low	1772.5	16QAM	21.52	26.52
15MHz	1 RB mid	1772.5	16QAM	21.69	26.69
15MHz	1 RB high	1772.5	16QAM	20.47	25.47
15MHz	100% RB	1772.5	16QAM	20.42	25.42
20MHz	1 RB low	1720	QPSK	22.00	27.00
20MHz	1 RB mid	1720	QPSK	22.70	27.70
20MHz	1 RB high	1720	QPSK	22.46	27.46
20MHz	100% RB	1720	QPSK	21.66	26.66
20MHz	1 RB low	1720	16QAM	21.05	26.05
20MHz	1 RB mid	1720	16QAM	21.79	26.79
20MHz	1 RB high	1720	16QAM	21.65	26.65
20MHz	100% RB	1720	16QAM	20.75	25.75
20MHz	1 RB low	1745	QPSK	21.83	26.83
20MHz	1 RB mid	1745	QPSK	21.48	26.48
20MHz	1 RB high	1745	QPSK	21.55	26.55
20MHz	100% RB	1745	QPSK	20.36	25.36
20MHz	1 RB low	1745	16QAM	21.06	26.06
20MHz	1 RB mid	1745	16QAM	20.65	25.65
20MHz	1 RB high	1745	16QAM	20.83	25.83
20MHz	100% RB	1745	16QAM	19.56	24.56
20MHz	1 RB low	1770	QPSK	22.38	27.38
20MHz	1 RB mid	1770	QPSK	22.78	27.78
20MHz	1 RB high	1770	QPSK	21.32	26.32
20MHz	100% RB	1770	QPSK	21.17	26.17
20MHz	1 RB low	1770	16QAM	21.47	26.47
20MHz	1 RB mid	1770	16QAM	21.87	26.87
20MHz	1 RB high	1770	16QAM	20.37	25.37
20MHz	100% RB	1770	16QAM	20.36	25.36

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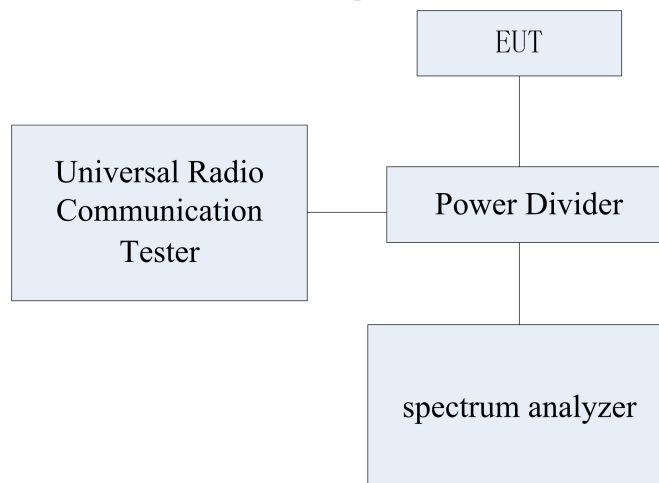
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6.4. Occupied Bandwidth

Specifications:	FCC Part 2.1049, 22.917(b), 24.238(b)
DUT Serial Number:	864788050910772
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	500 kHz (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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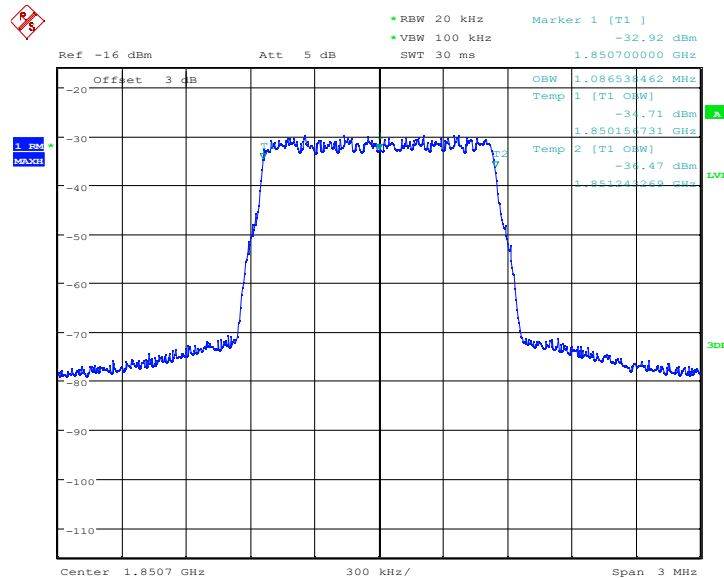
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6.4.1 occupied bandwidth Results

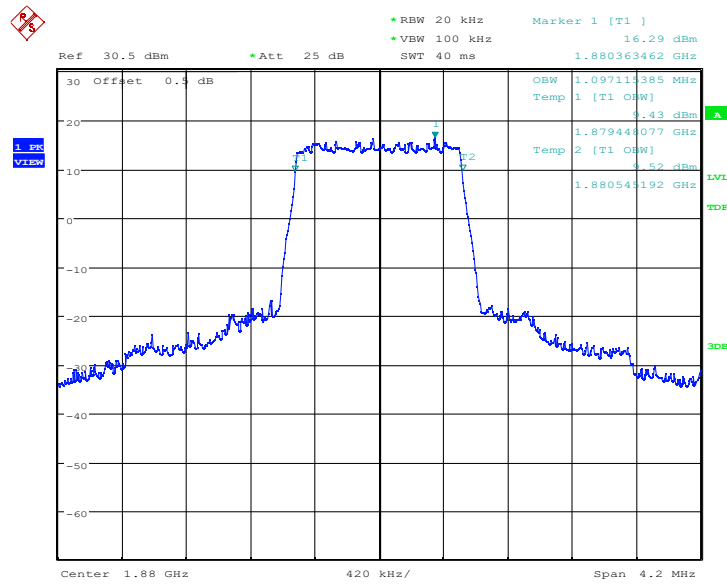
LTE band 2,1.4MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1850.7	1.086	1.096
1880	1.097	1.104
1909.3	1.086	1.091

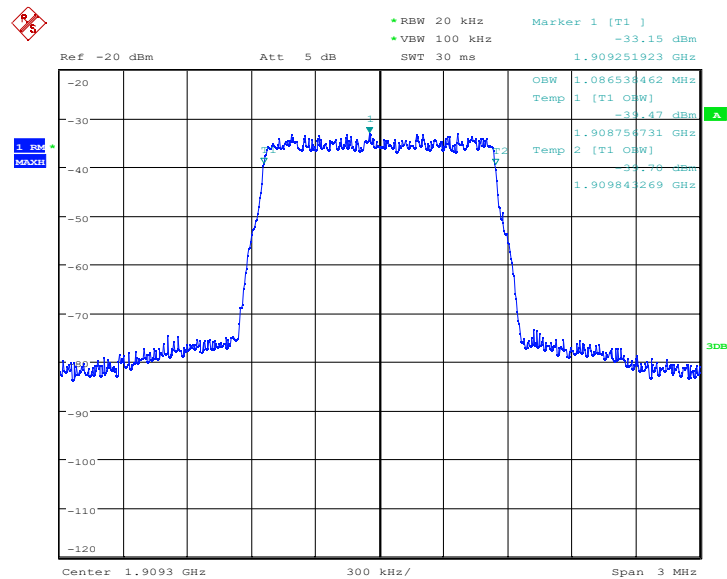
LTE band 2 , 1.4MHz Bandwidth,QPSK (99% BW)



Date: 21.JUL.2022 14:54:39

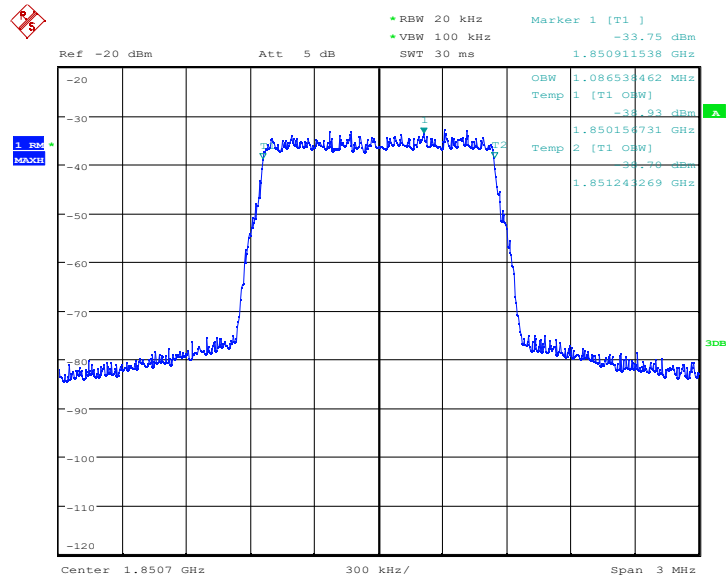


Date: 13.JUN.2022 22:49:52

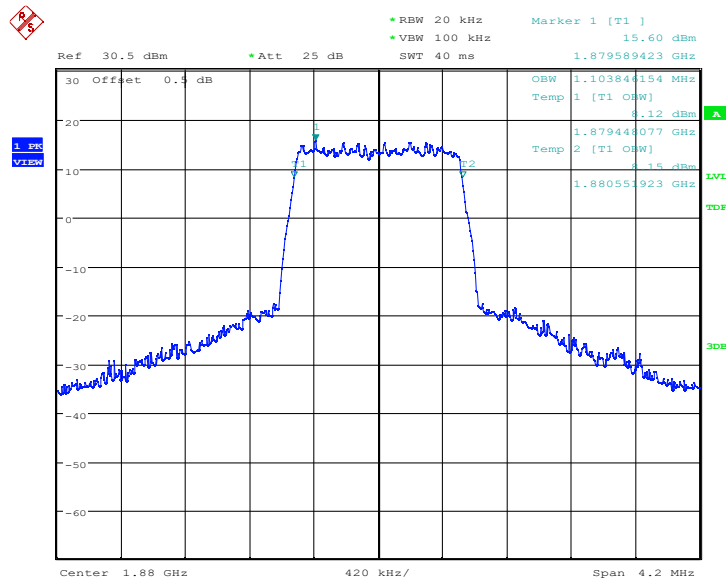


Date: 21.JUL.2022 15:49:19

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



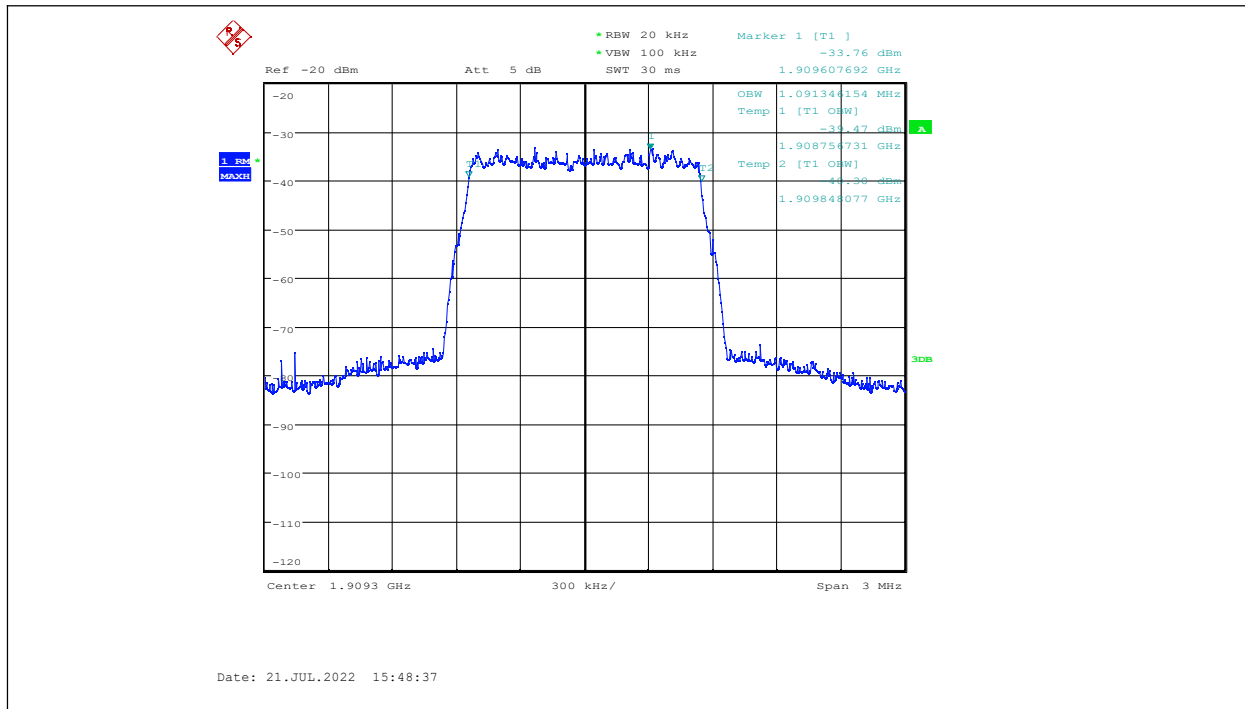
Date: 21.JUL.2022 14:58:13



Date: 13.JUN.2022 22:50:13

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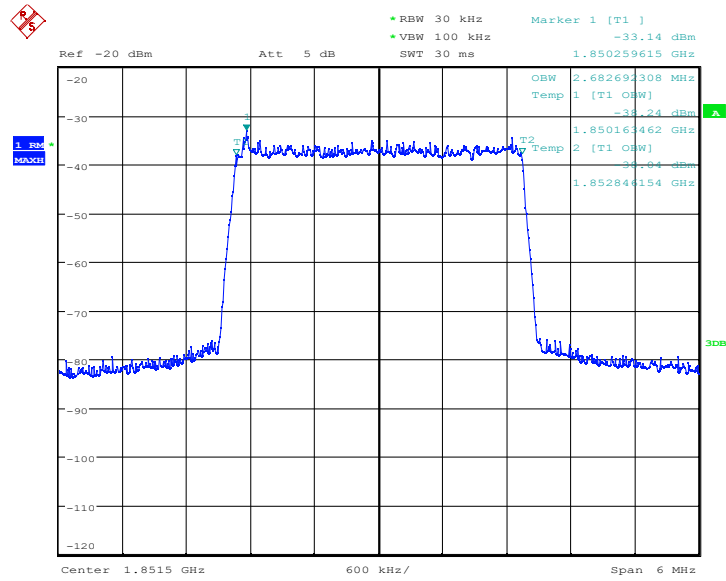


LTE band 2,3MHz(99%)

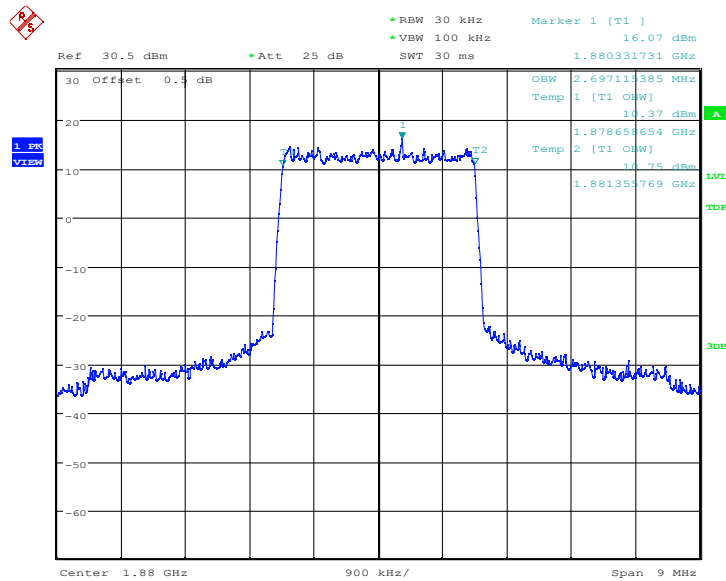
Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1851.5	2.682	2.692
1880	2.697	2.697
1908.5	2.692	2.692
LTE band 2 , 3MHz Bandwidth,QPSK (99% BW)		

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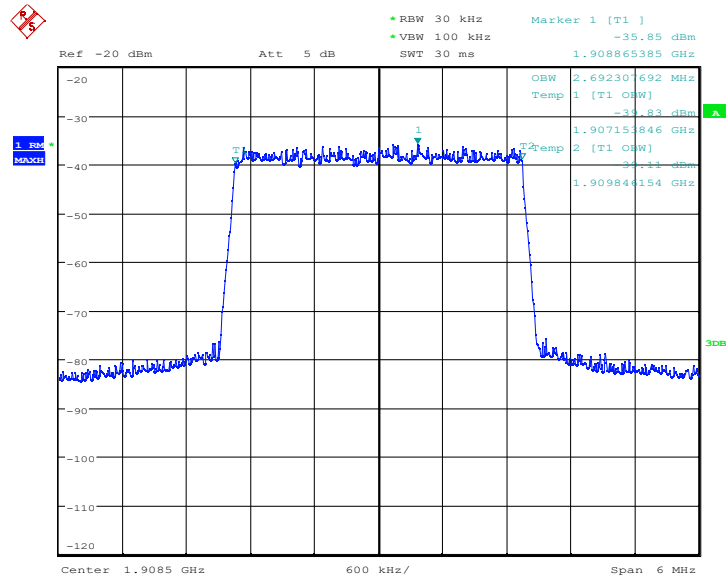
Date: 21.JUL.2022 15:02:25



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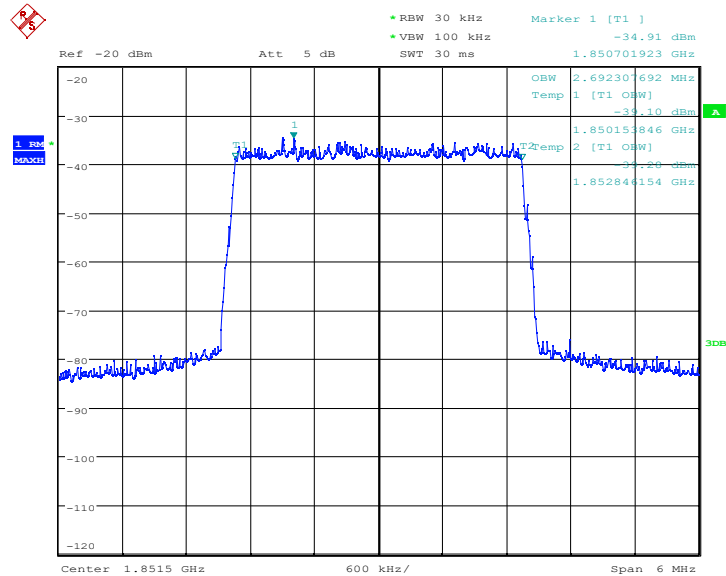
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Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 21.JUL.2022 15:47:41

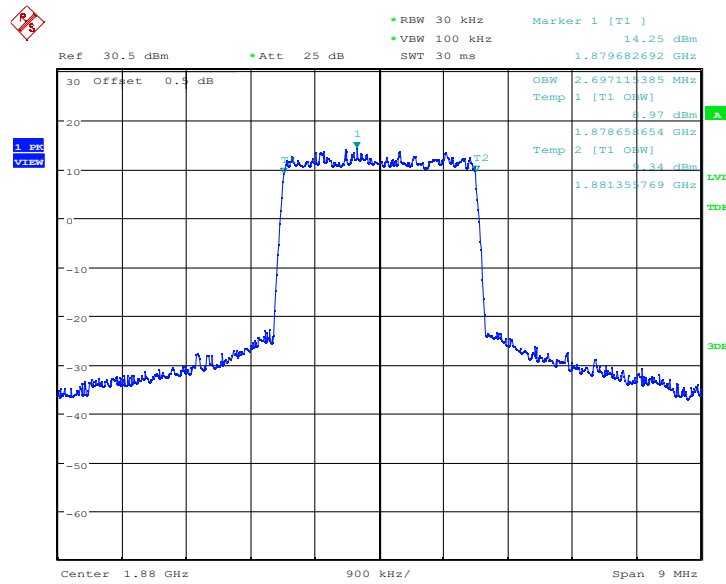
LTE band 2 , 3MHz Bandwidth,16QAM (99% BW)



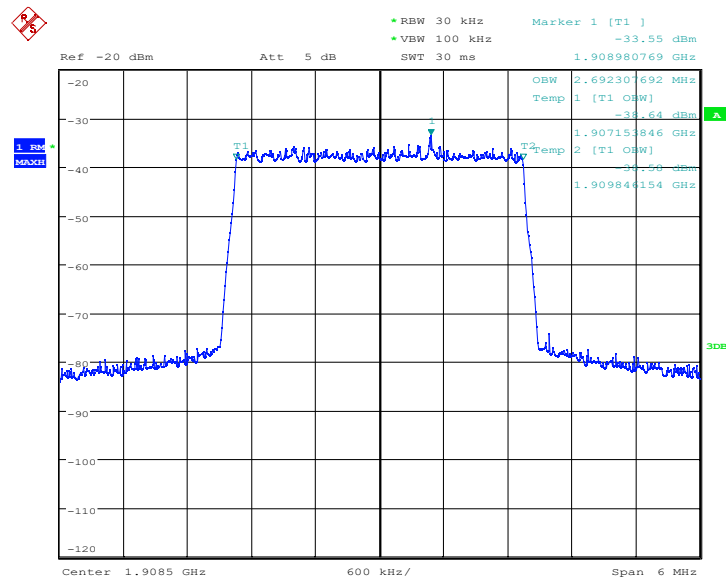
Date: 21.JUL.2022 15:04:17

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Date: 13.JUN.2022 22:51:01



Date: 21.JUL.2022 15:46:58

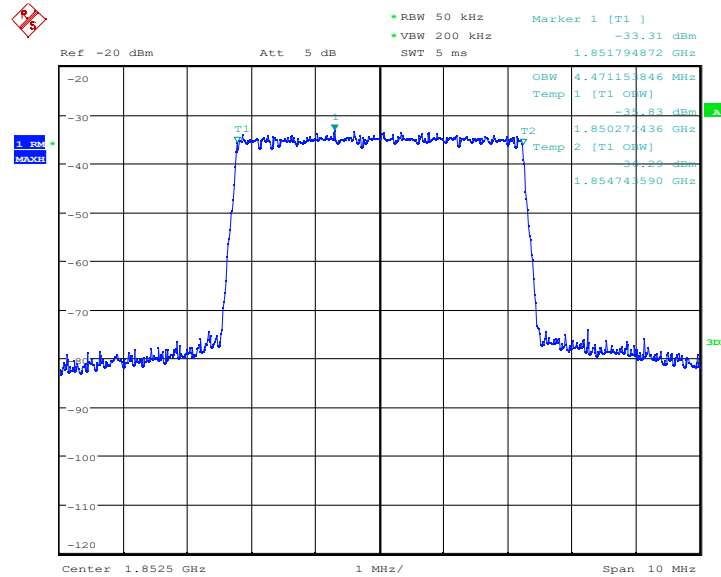
LTE band 2,5MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1852.5	4.471	4.487
1880	4.471	4.471
1907.5	4.471	4.455

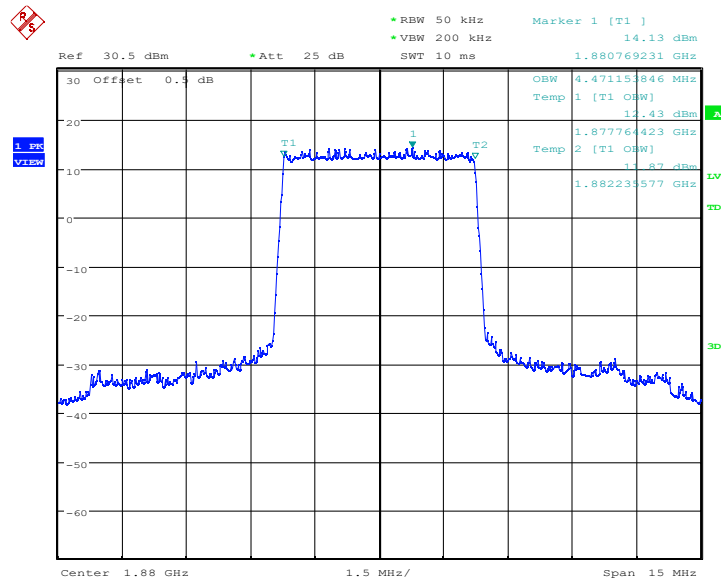
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LTE band 2 , 5MHz Bandwidth,QPSK (99% BW)



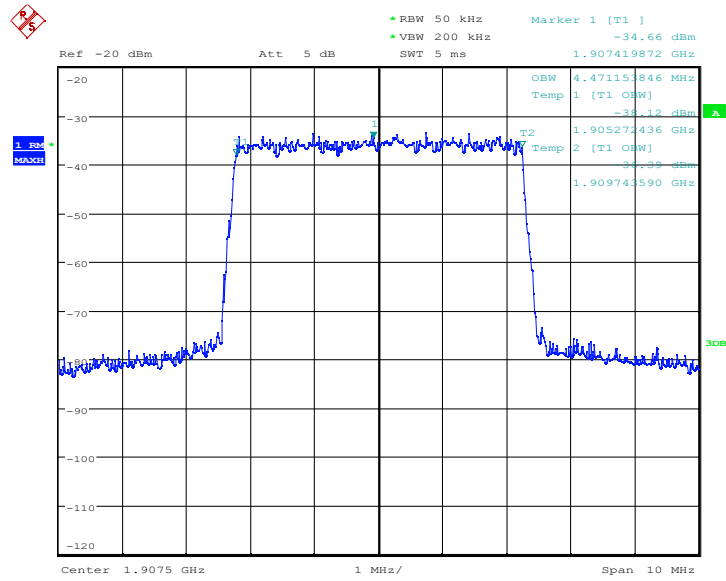
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Date: 13.JUN.2022 22:51:27

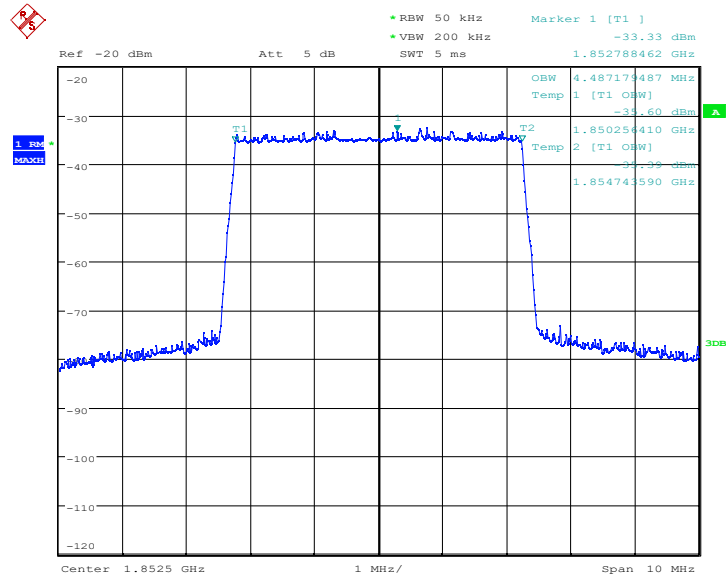
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Date: 21.JUL.2022 15:45:52

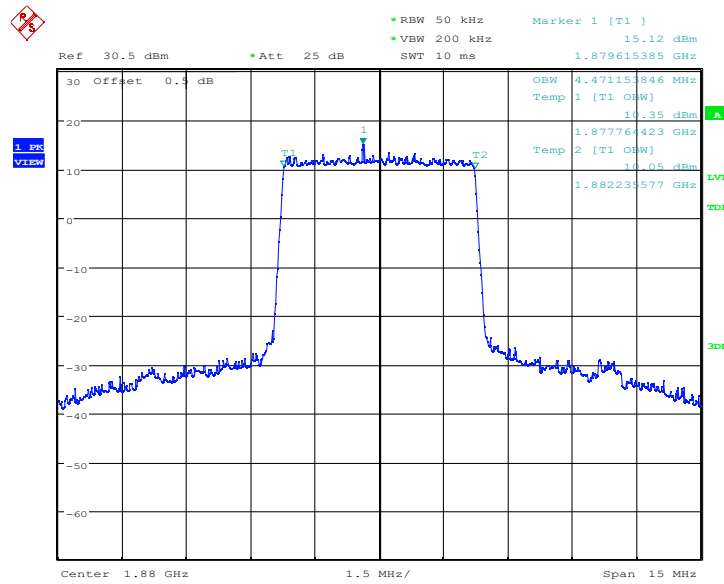
LTE band 2 , 5MHz Bandwidth,16QAM (99% BW)



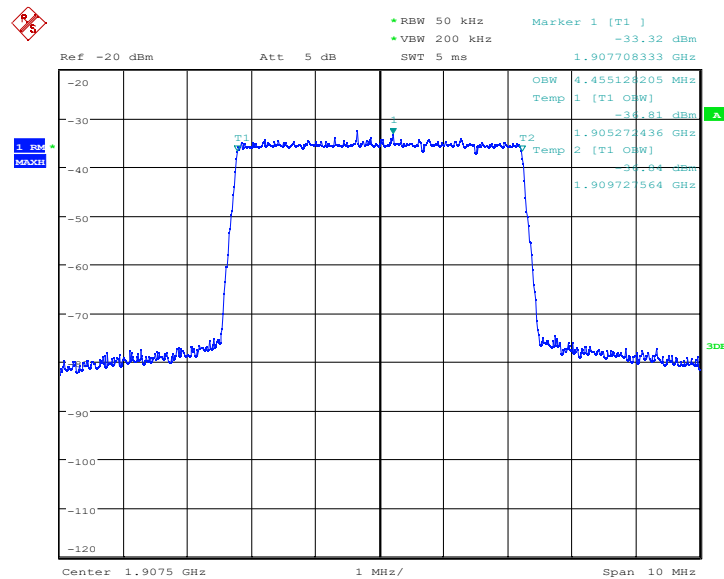
Date: 21.JUL.2022 15:05:43

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Date: 13.JUN.2022 22:51:49



Date: 21.JUL.2022 15:45:14

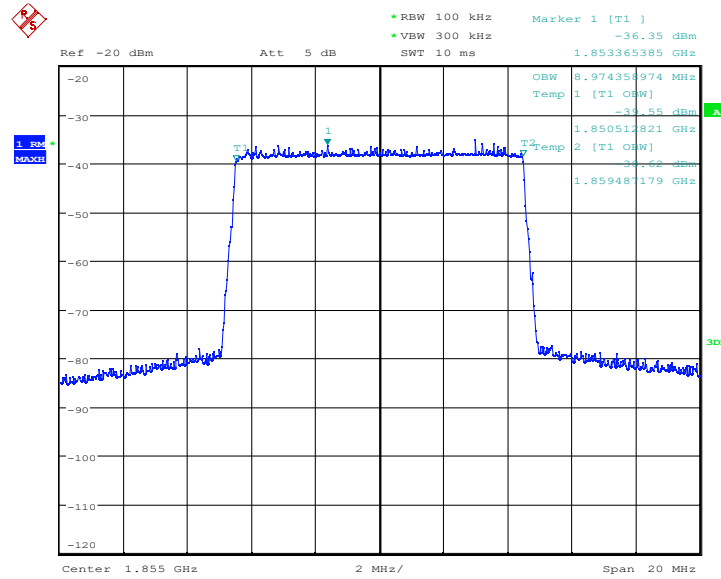
LTE band 2,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1855	8.974	8.974
1880	8.942	8.942
1905	8.942	8.942

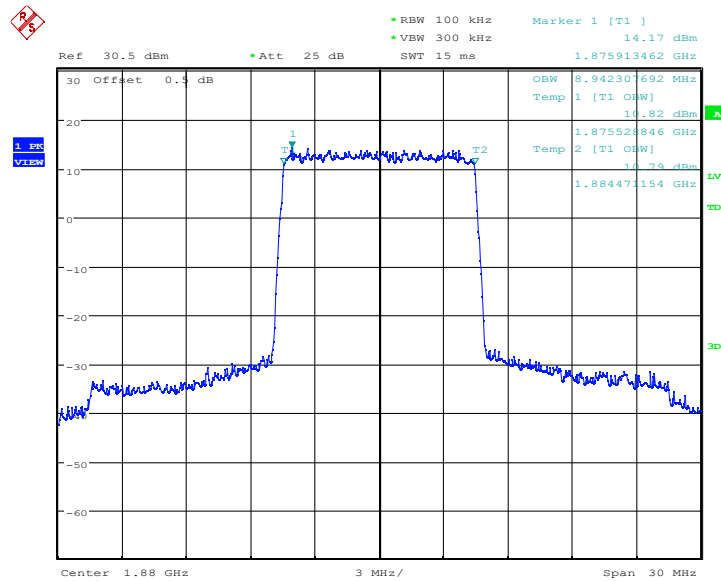
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LTE band 2 , 10MHz Bandwidth,QPSK (99% BW)



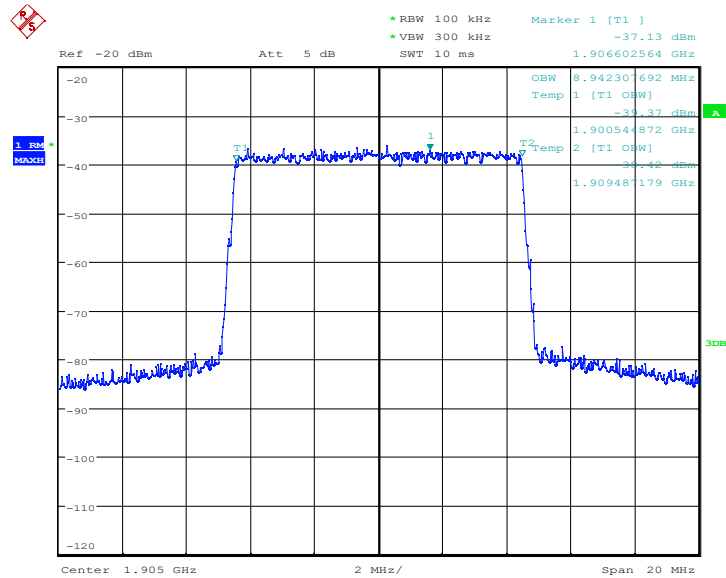
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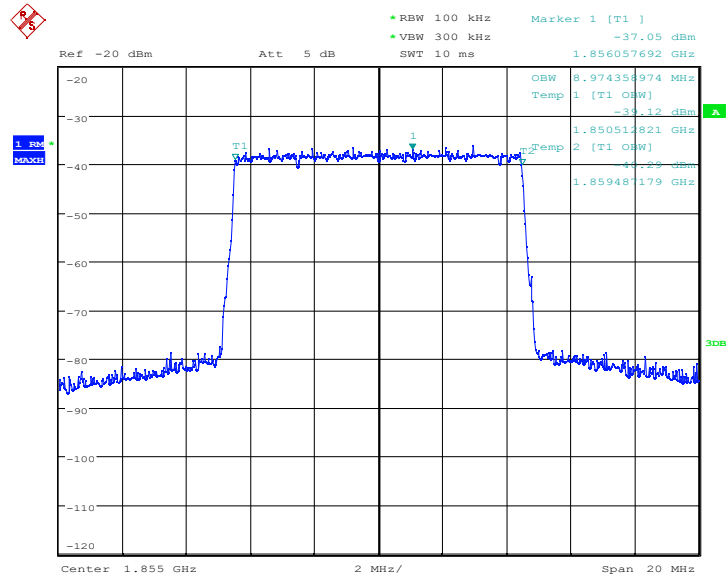
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Date: 21.JUL.2022 15:44:05

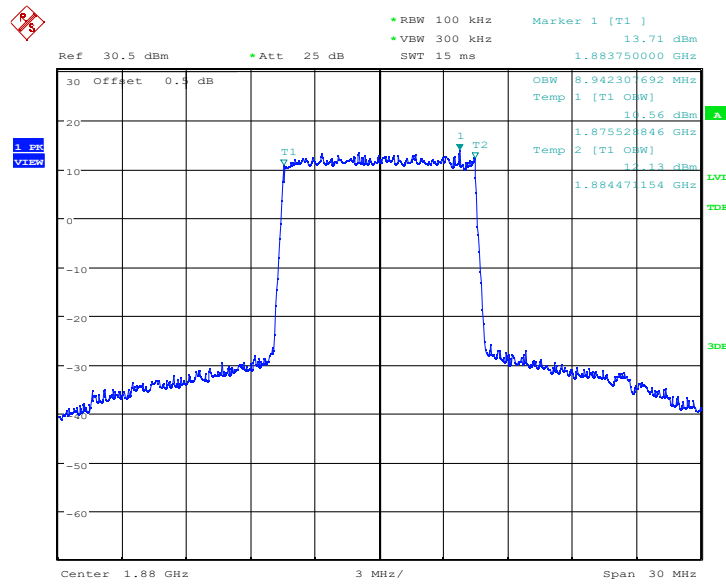
LTE band 2 , 10MHz Bandwidth,16QAM (99% BW)



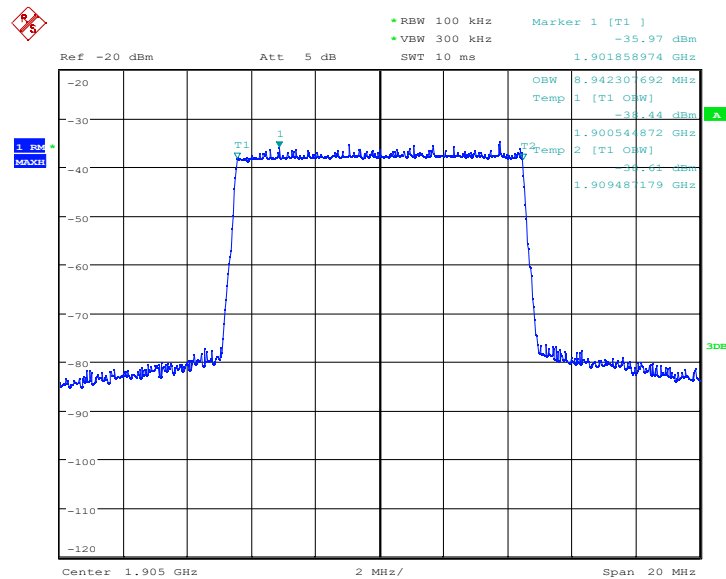
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Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 13.JUN.2022 22:52:42



Date: 21.JUL.2022 15:43:20

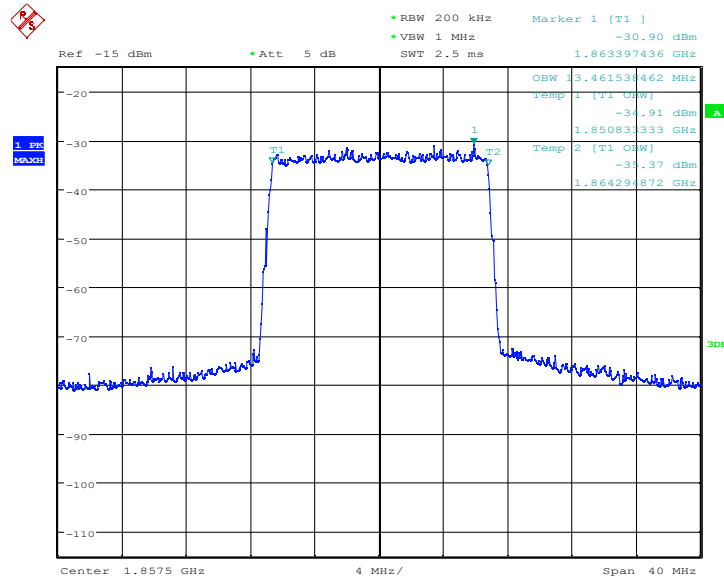
LTE band 2,15MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1857.5	13.462	13.535
1880	13.486	13.486
1902.5	13.461	13.525

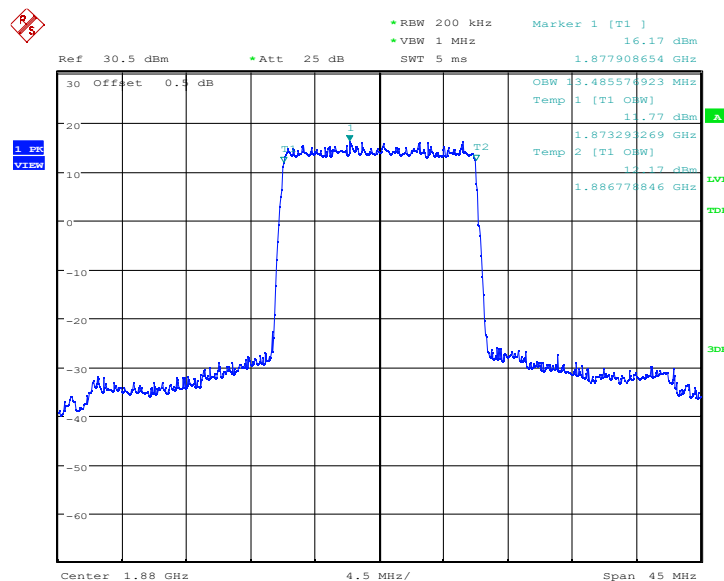
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LTE band 2 , 15MHz Bandwidth,QPSK (99% BW)



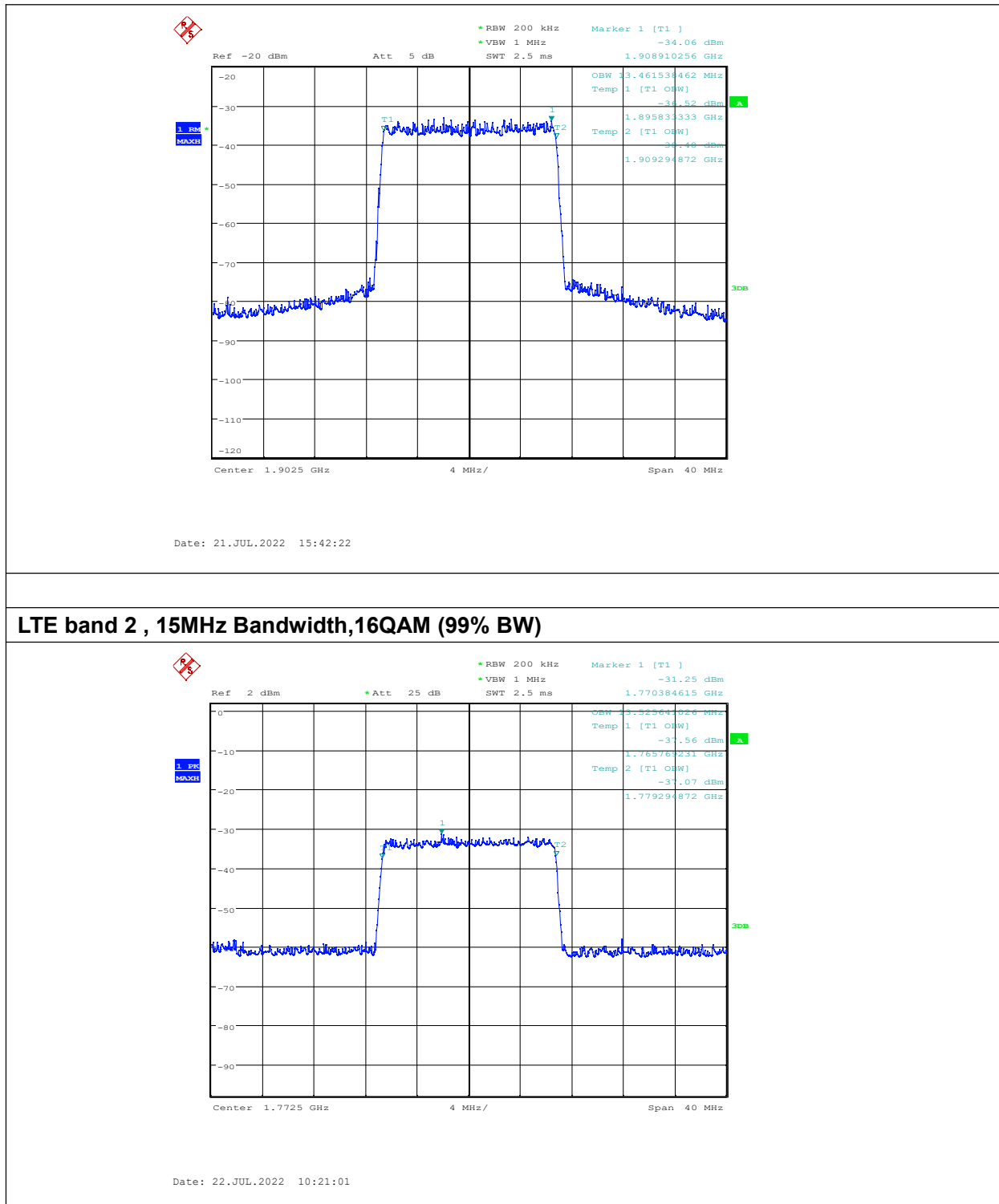
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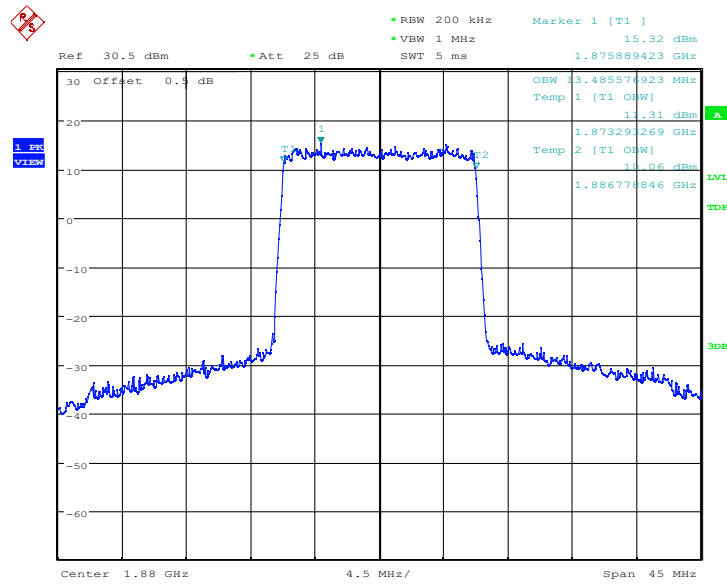


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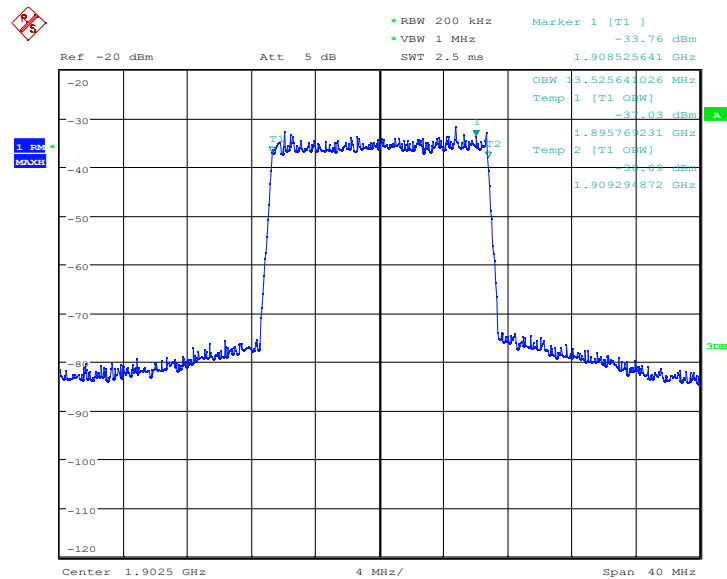
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Tel: 0086-23-88069965 FAX:0086-23-88608777





Date: 13.JUN.2022 22:53:33



Date: 21.JUL.2022 15:41:42

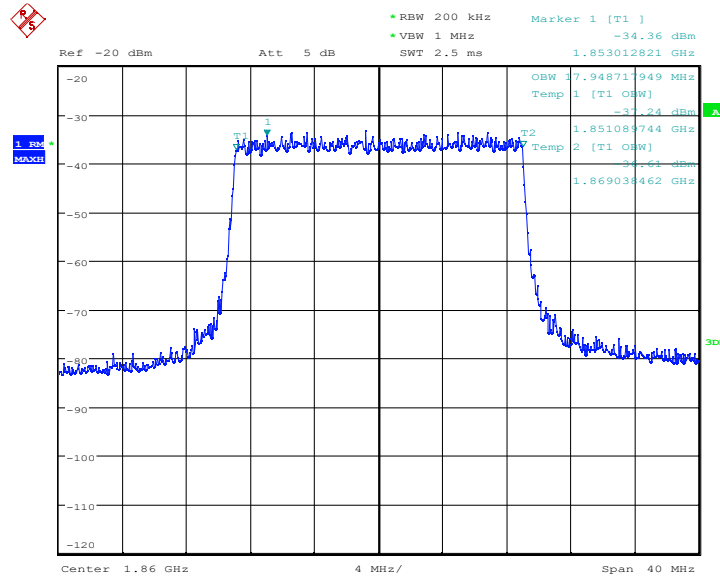
LTE band 2,20MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1860	17.948	17.948
1880	17.885	17.981
1900	17.884	17.948

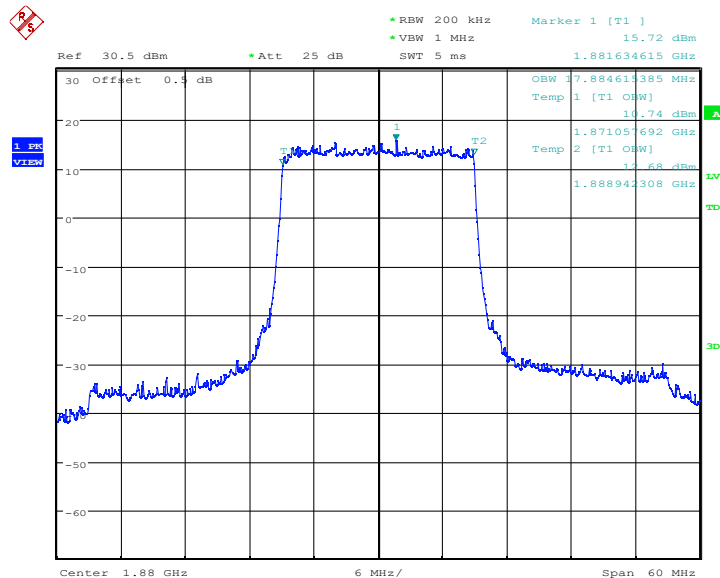
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LTE band 2 , 20MHz Bandwidth,QPSK (99% BW)



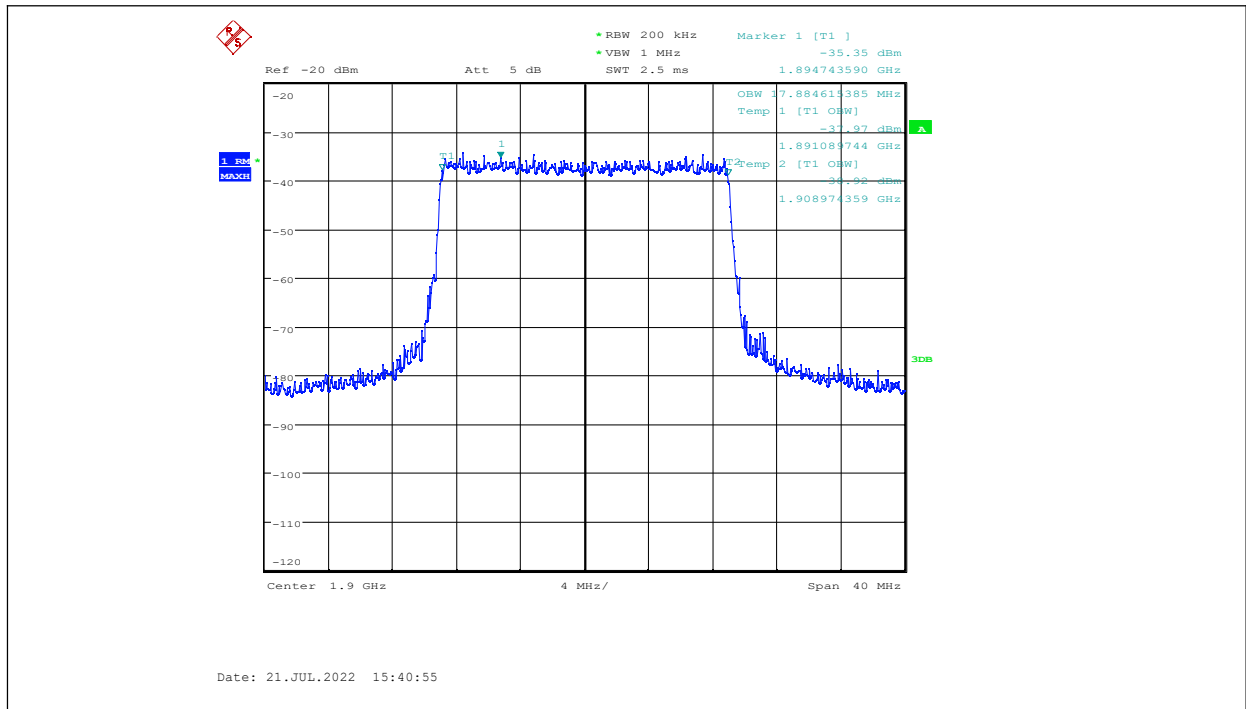
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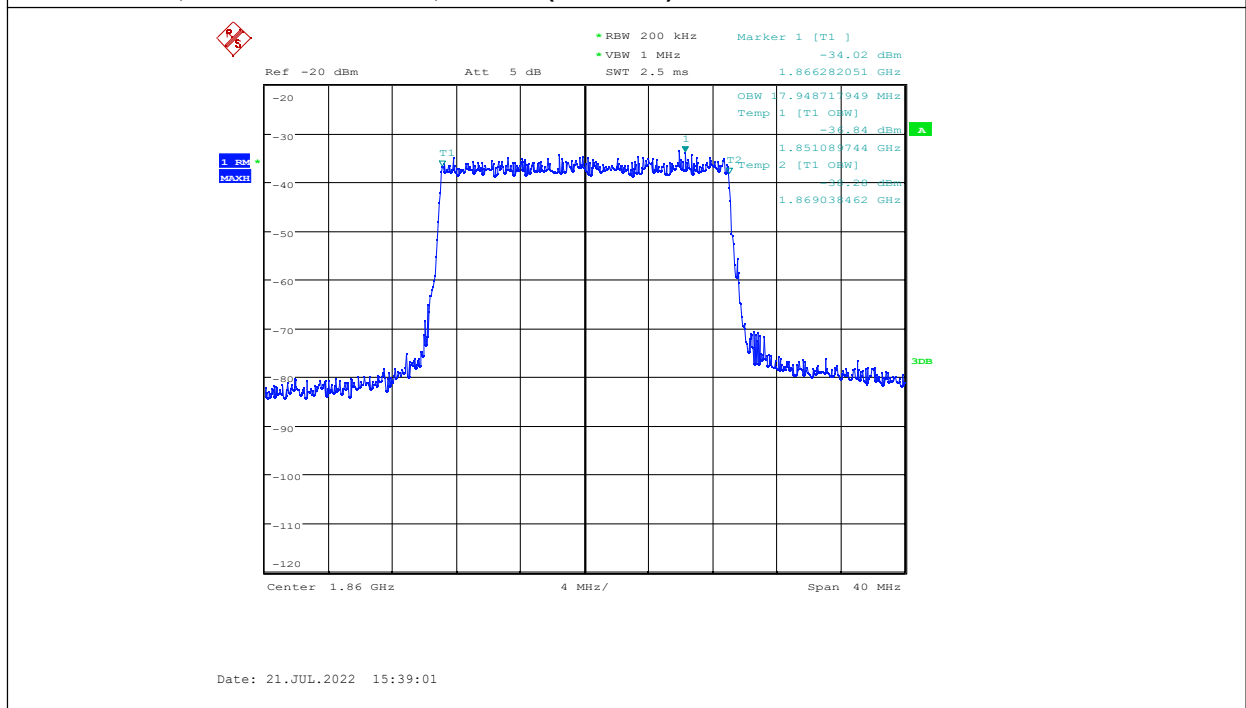
Date: 13.JUN.2022 22:54:00

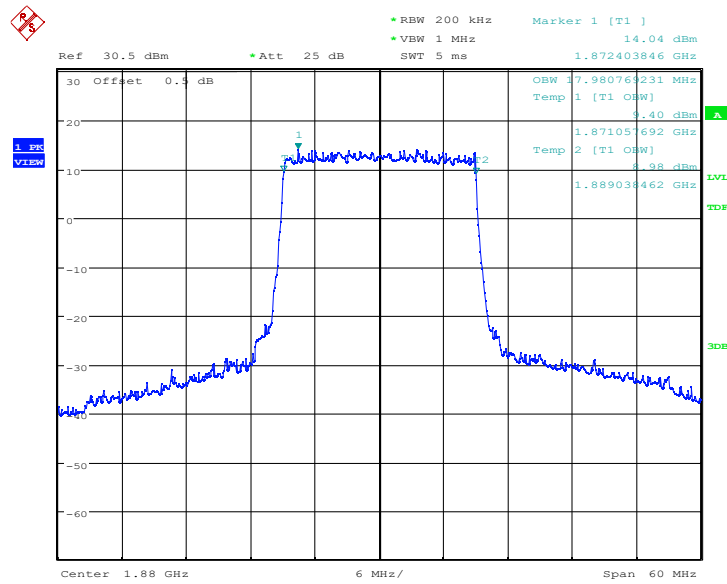
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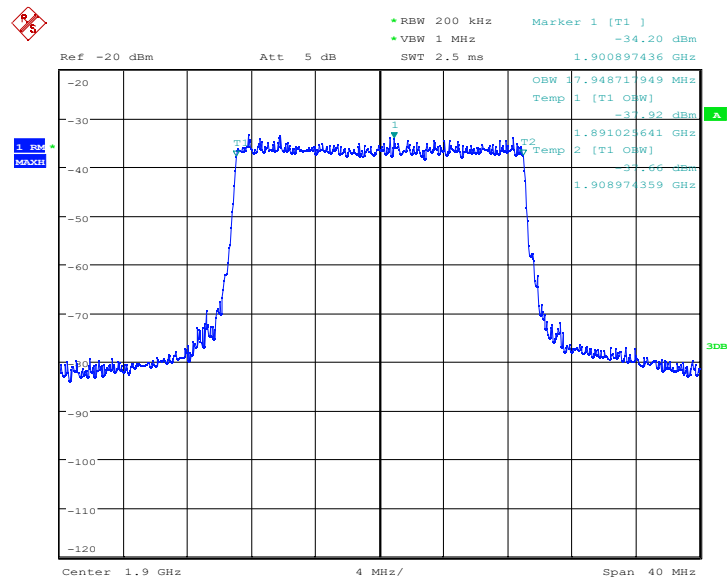


LTE band 2 , 20MHz Bandwidth,16QAM (99% BW)





Date: 13.JUN.2022 22:54:23



Date: 21.JUL.2022 15:40:16

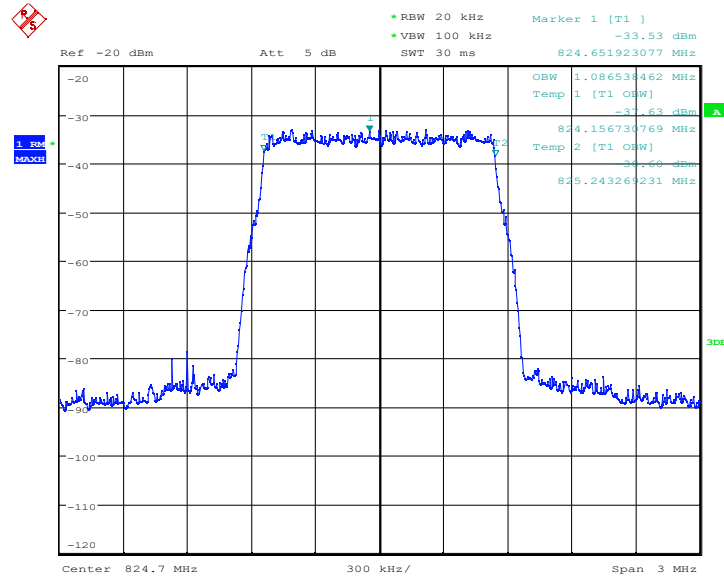
LTE band 5,1.4MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
824.7	1.086	1.086
836.5	1.097	1.090
848.3	1.086	1.086

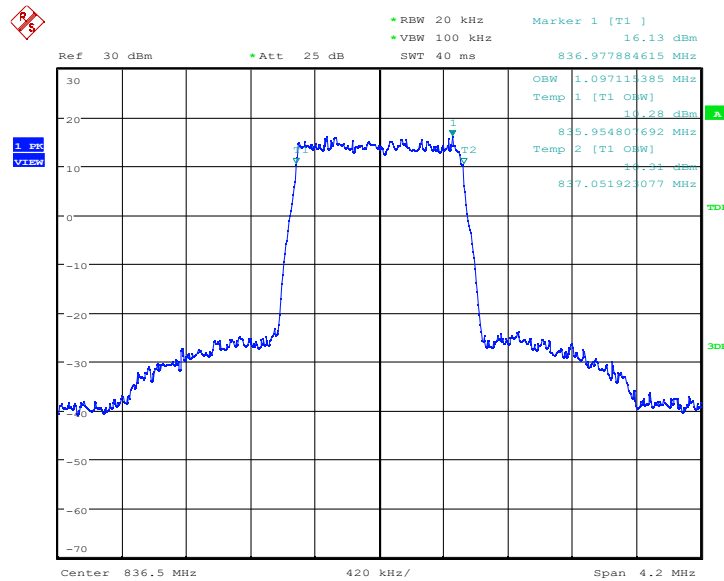
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LTE band 5 , 1.4MHz Bandwidth,QPSK (99% BW)



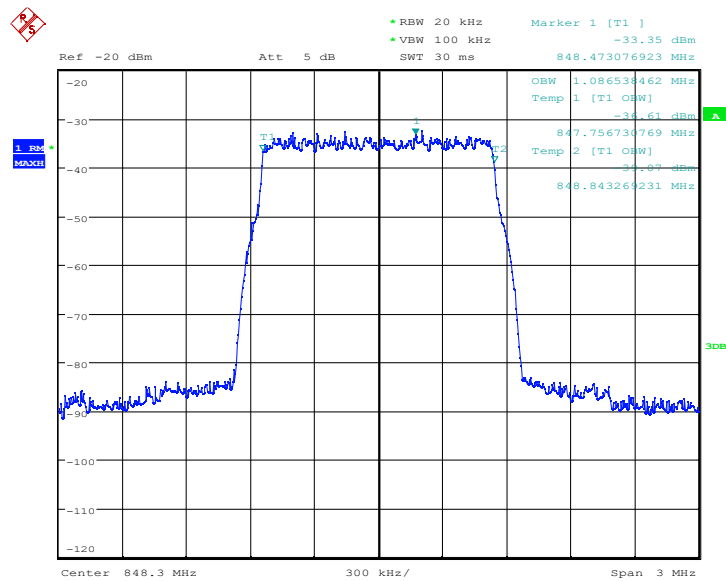
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Date: 13.JUN.2022 22:55:19

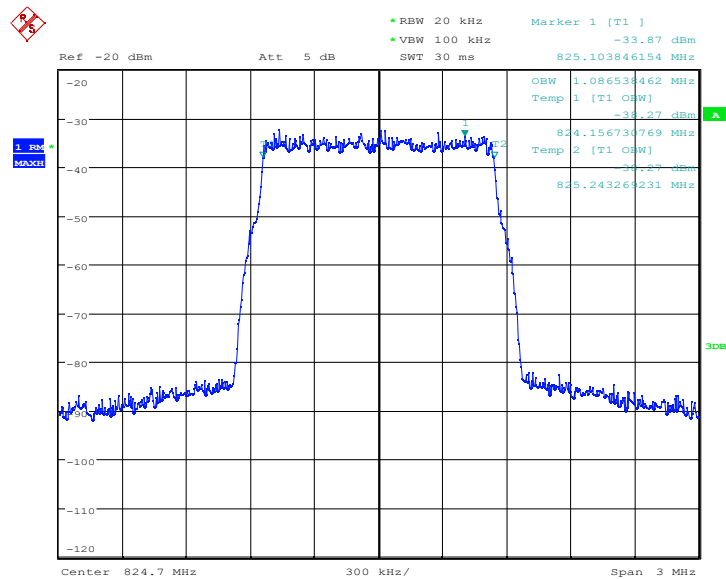
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Date: 21.JUL.2022 16:08:57

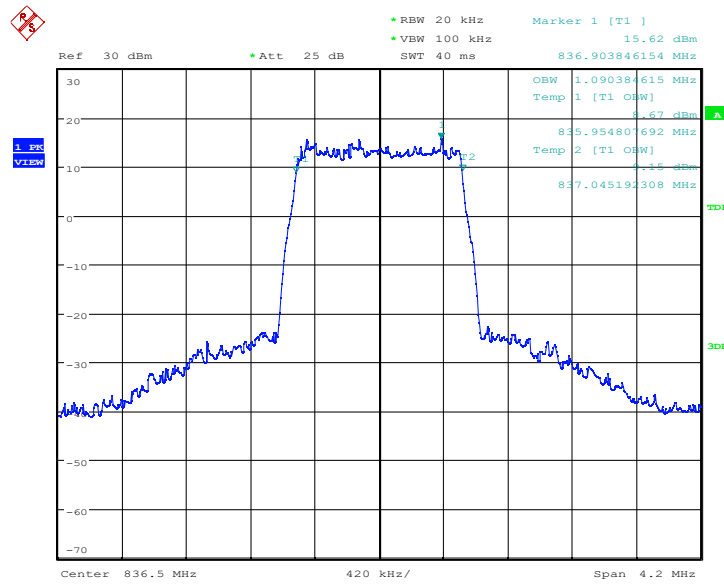
LTE band 5 , 1.4MHz Bandwidth,16QAM (99% BW)



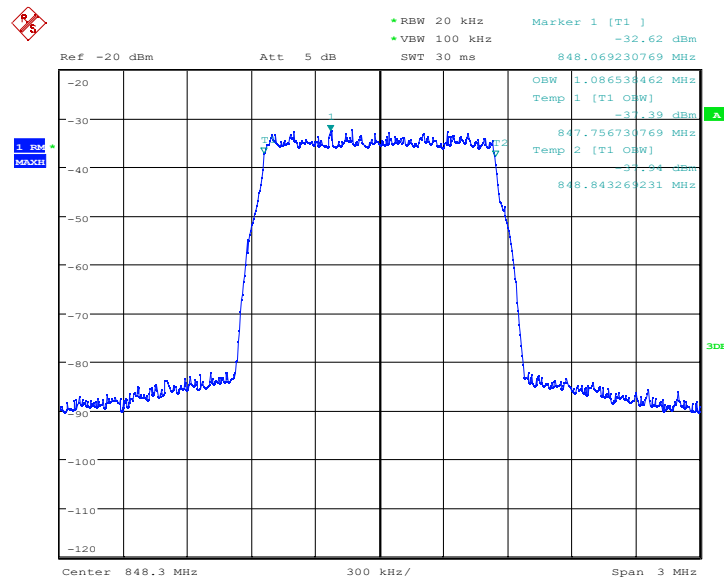
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Date: 13.JUN.2022 22:55:42



Date: 21.JUL.2022 16:08:10

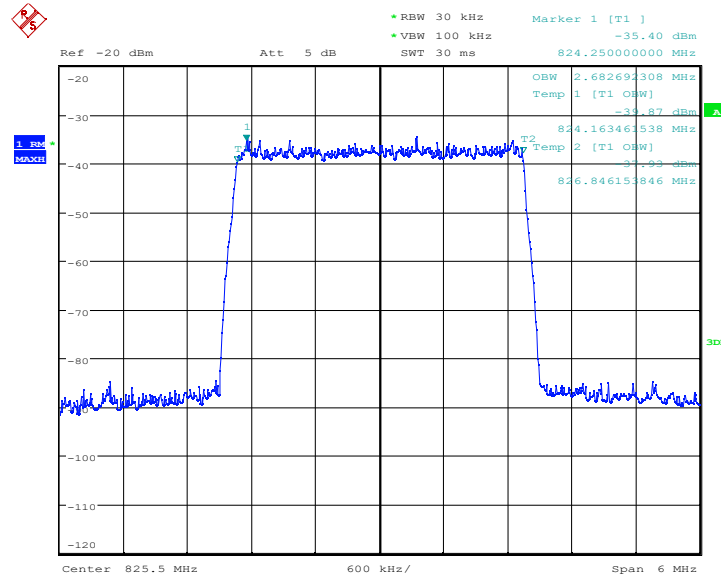
LTE band 5,3MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
825.5	2.682	2.682
836.5	2.697	2.697
847.5	2.692	2.692

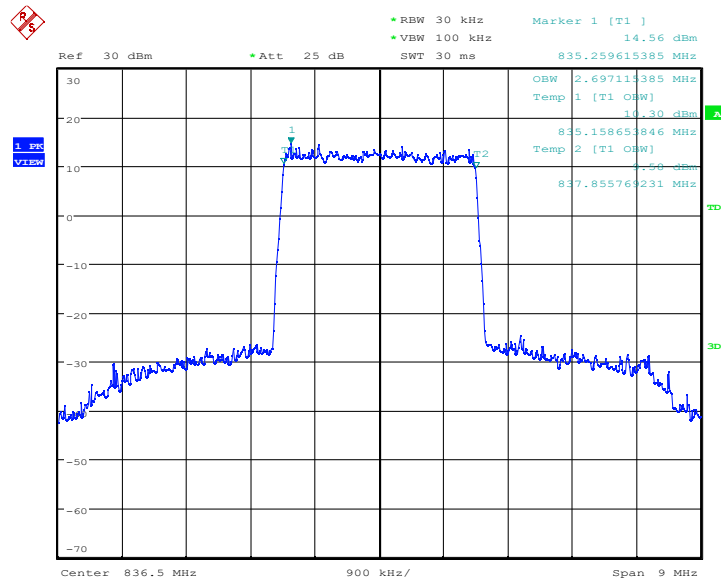
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LTE band 5 , 3MHz Bandwidth,QPSK (99% BW)



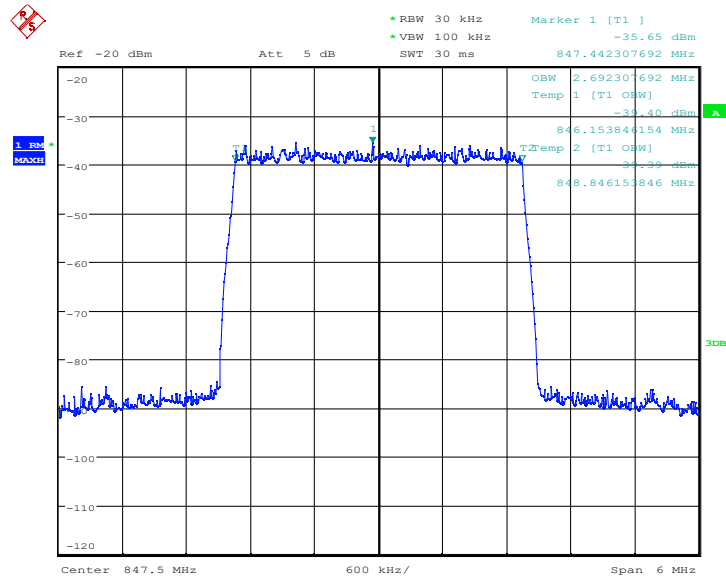
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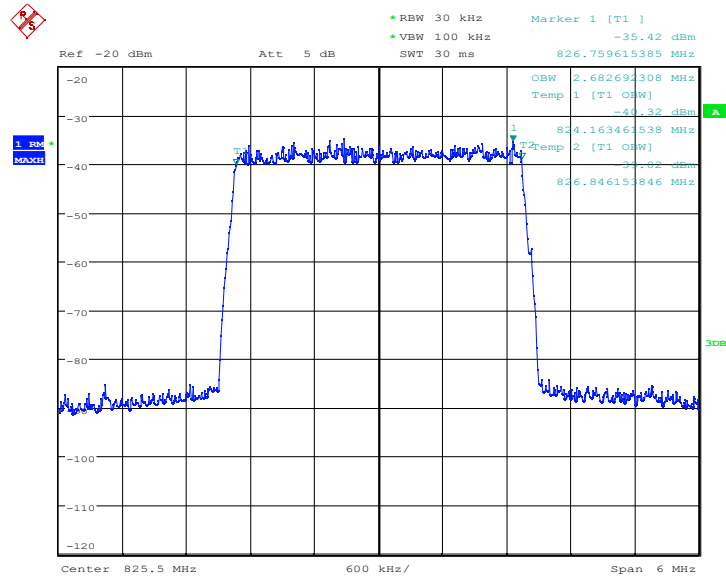
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Date: 21.JUL.2022 16:07:29

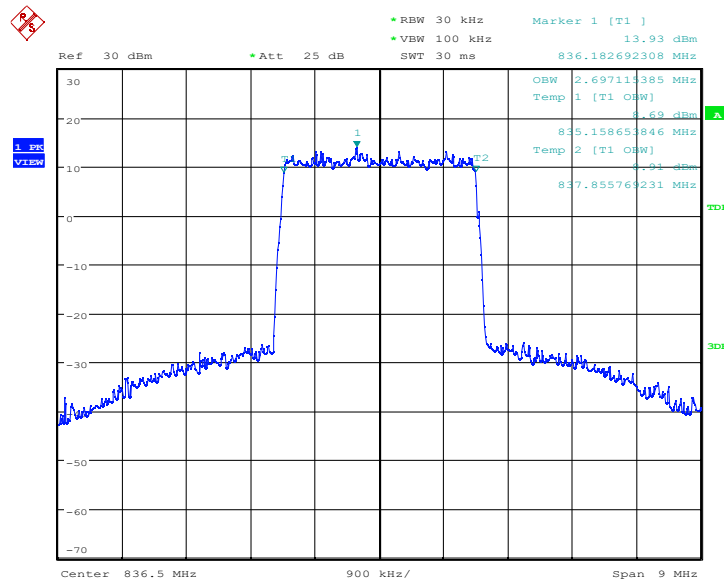
LTE band 5 , 3MHz Bandwidth,16QAM (99% BW)



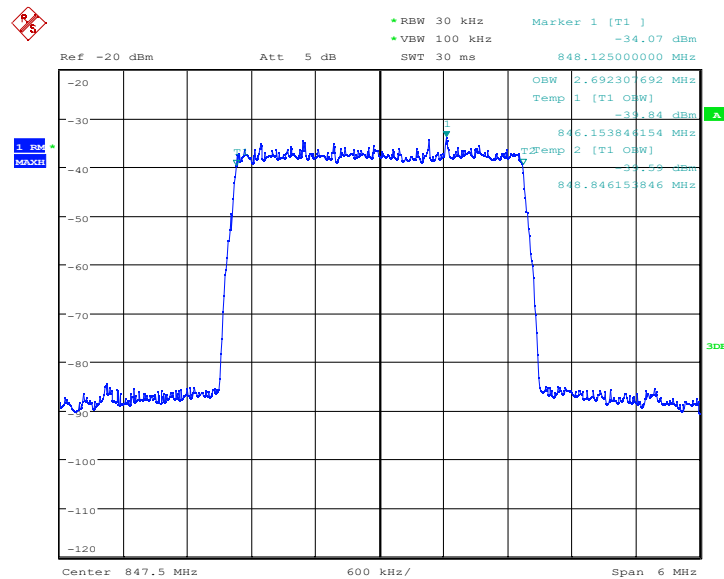
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Date: 13.JUN.2022 22:56:33



Date: 21.JUL.2022 16:06:47

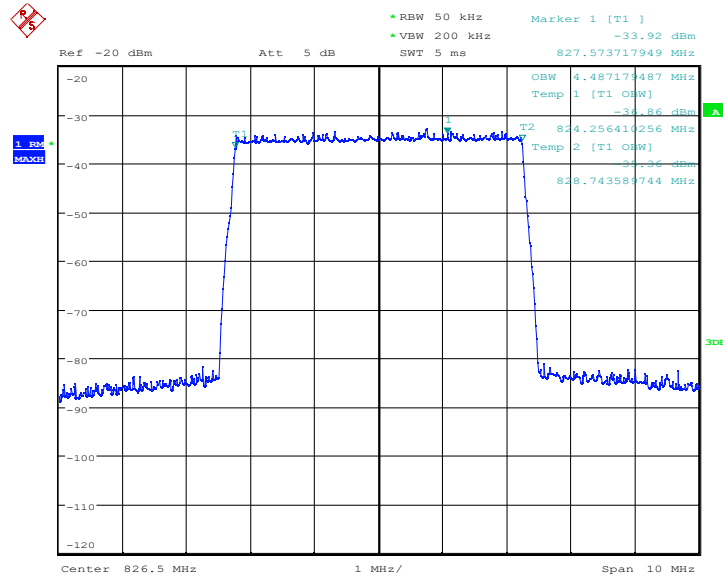
LTE band 5,5MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
826.5	4.487	4.471
836.5	4.471	4.471
846.5	4.471	4.471

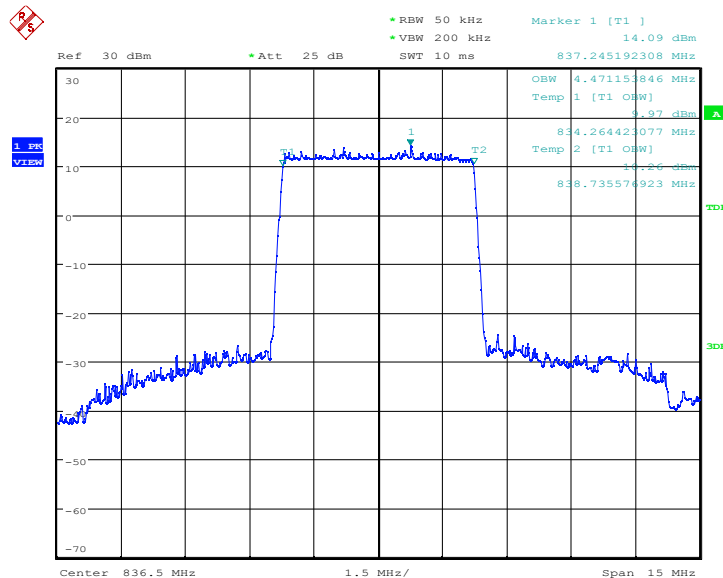
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LTE band 5 , 5MHz Bandwidth,QPSK (99% BW)



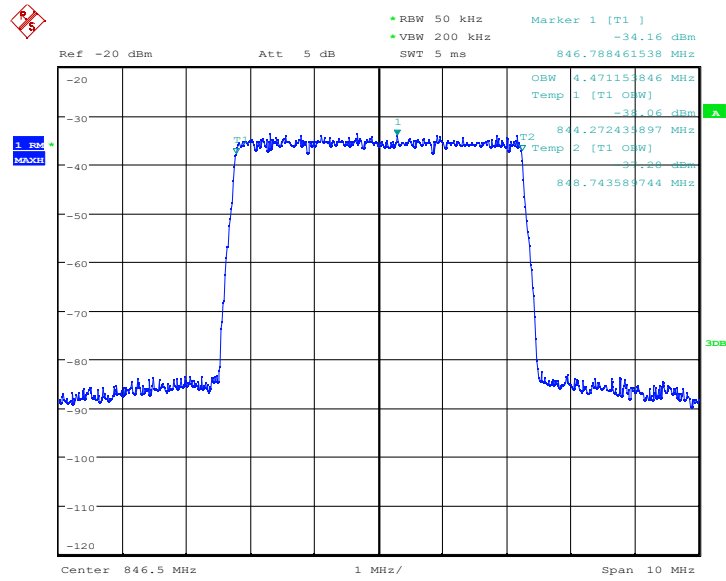
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Date: 13.JUN.2022 22:57:00

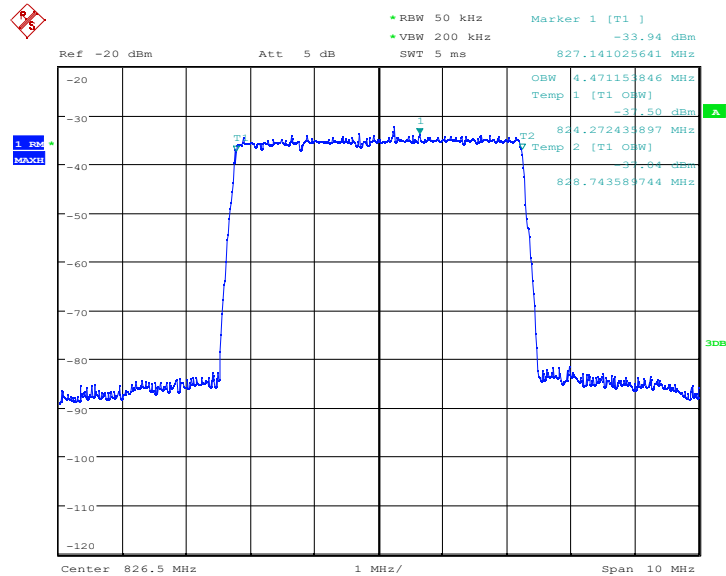
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Date: 21.JUL.2022 16:05:58

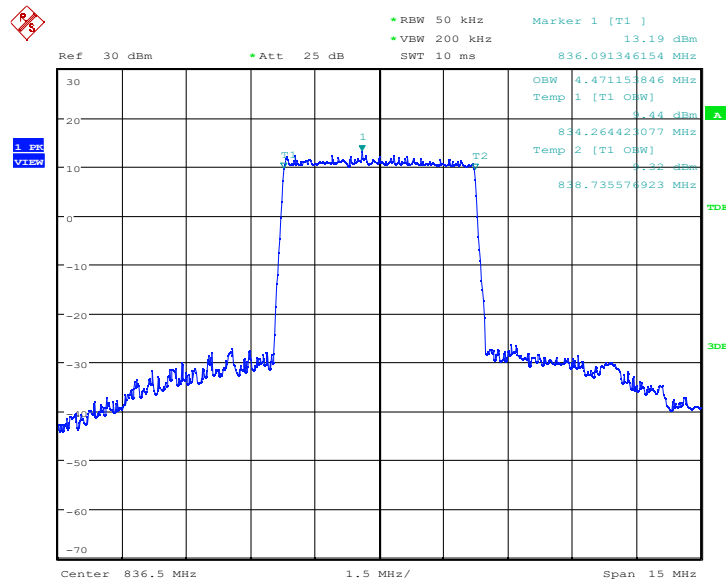
LTE band 5 , 5MHz Bandwidth,16QAM (99% BW)



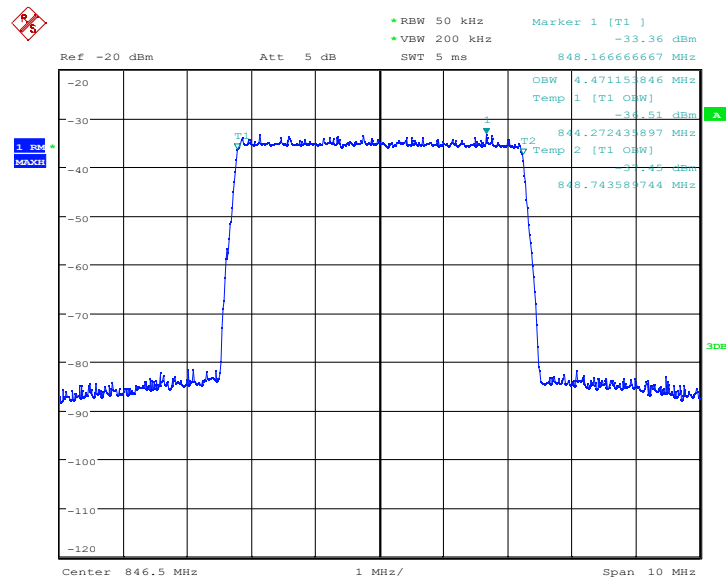
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Date: 13.JUN.2022 22:57:23



Date: 21.JUL.2022 16:05:14

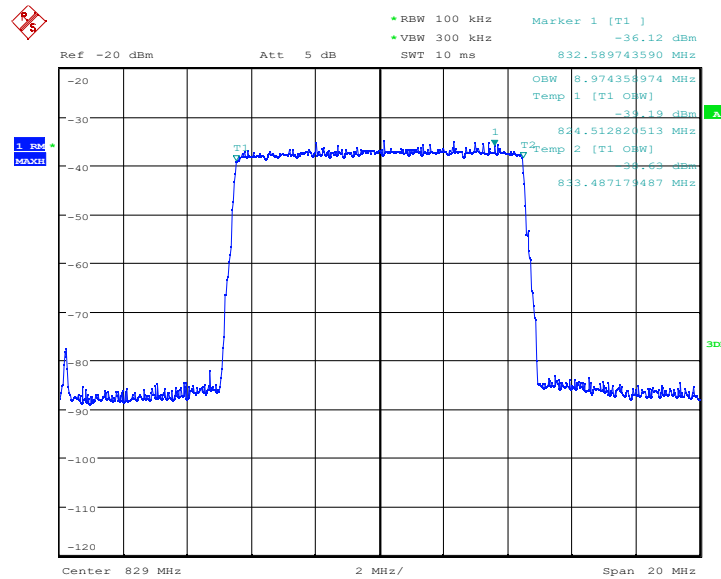
LTE band 5,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
829	8.974	8.910
836.5	8.942	8.942
844	8.942	8.974

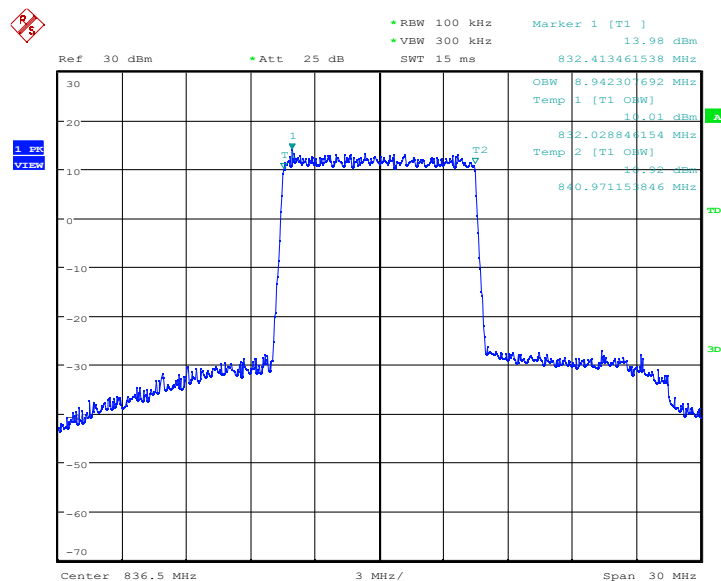
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LTE band 5 , 10MHz Bandwidth,QPSK (99% BW)



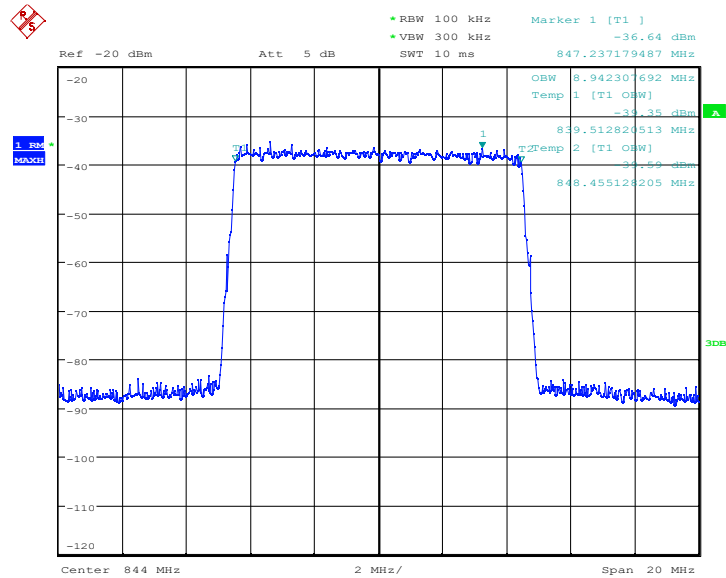
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Date: 13.JUN.2022 22:57:49

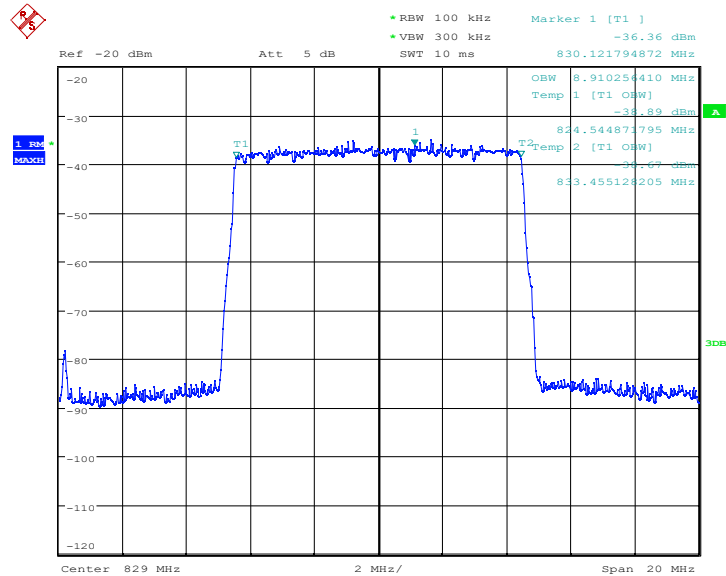
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Date: 21.JUL.2022 16:04:26

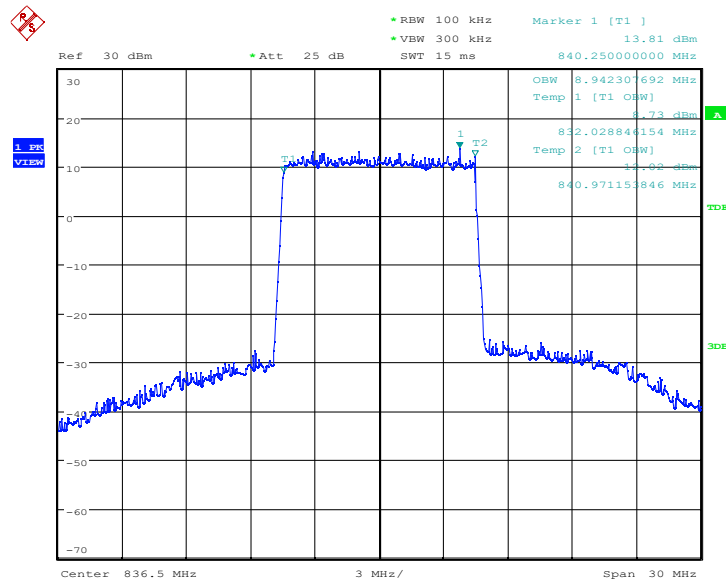
LTE band 5 , 10MHz Bandwidth,16QAM (99% BW)



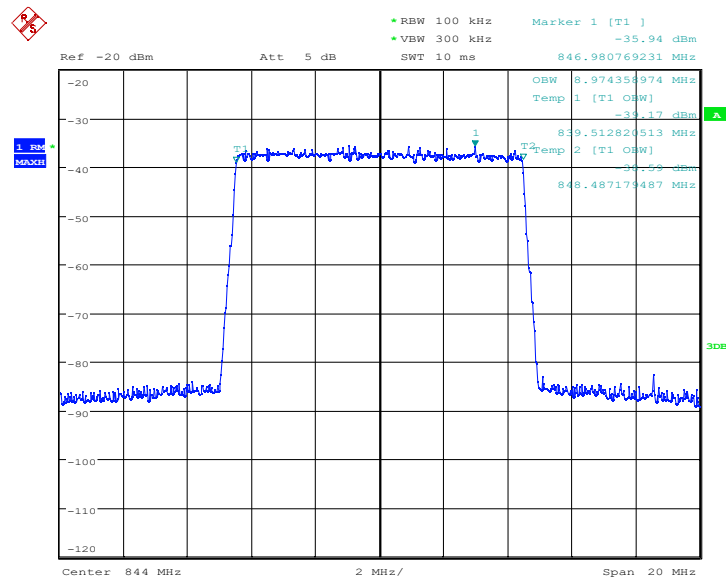
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Date: 13.JUN.2022 22:58:11



Date: 21.JUL.2022 16:03:41

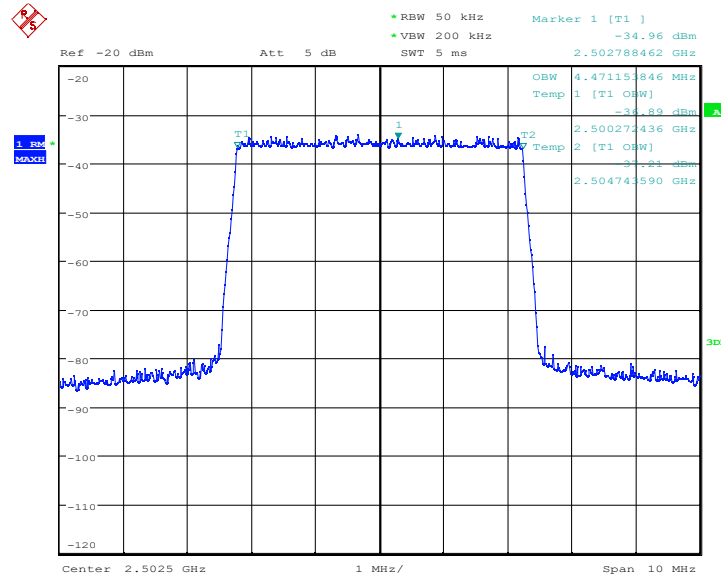
LTE band 7,5MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
2502.5	4.471	4.471
2535	4.471	4.471
2567.5	4.455	4.471

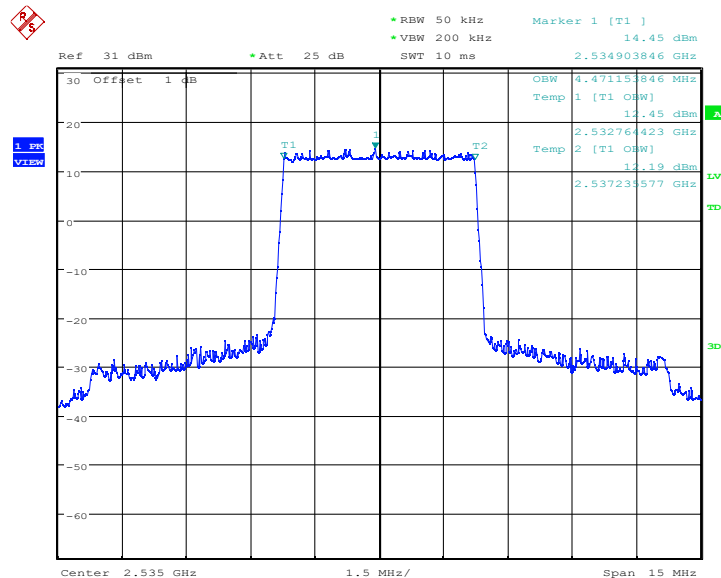
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Tel: 0086-23-88069965 FAX:0086-23-88608777

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



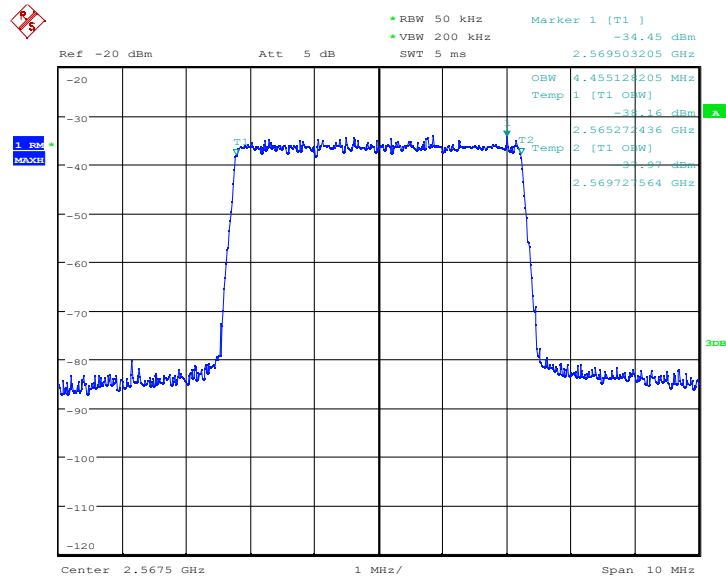
Date: 21.JUL.2022 16:27:18



Date: 13.JUN.2022 22:58:41

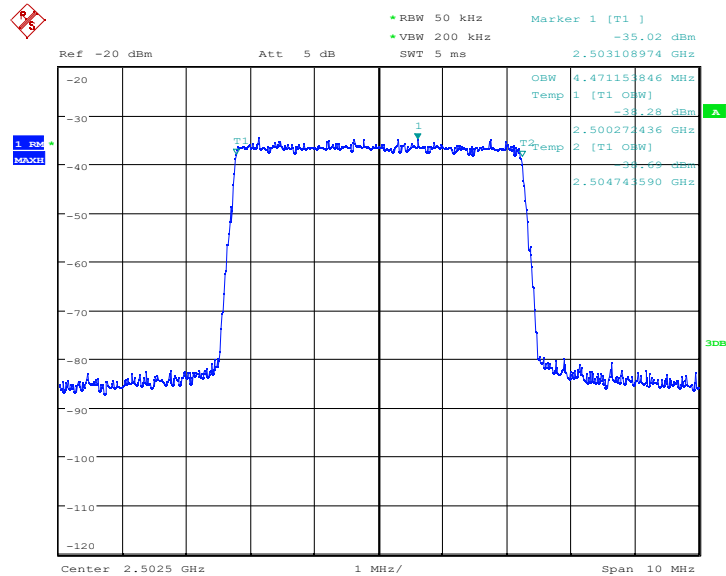
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Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 21.JUL.2022 16:39:39

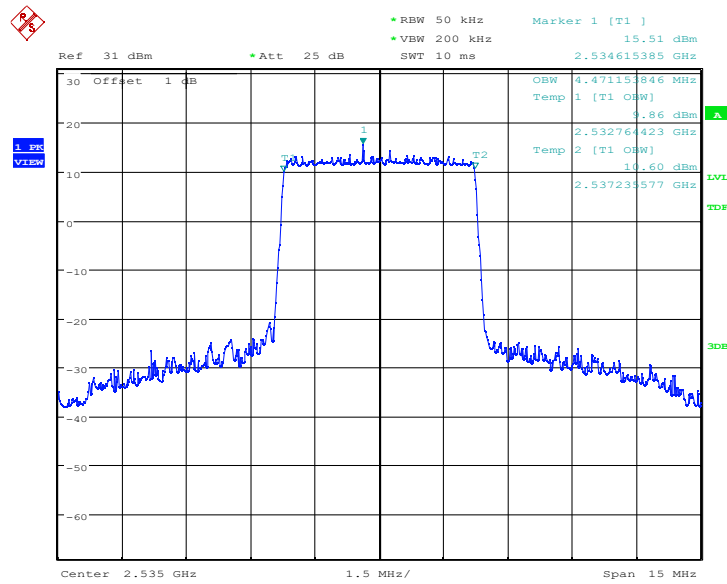
LTE band 7 , 5MHz Bandwidth,16QAM (99% BW)



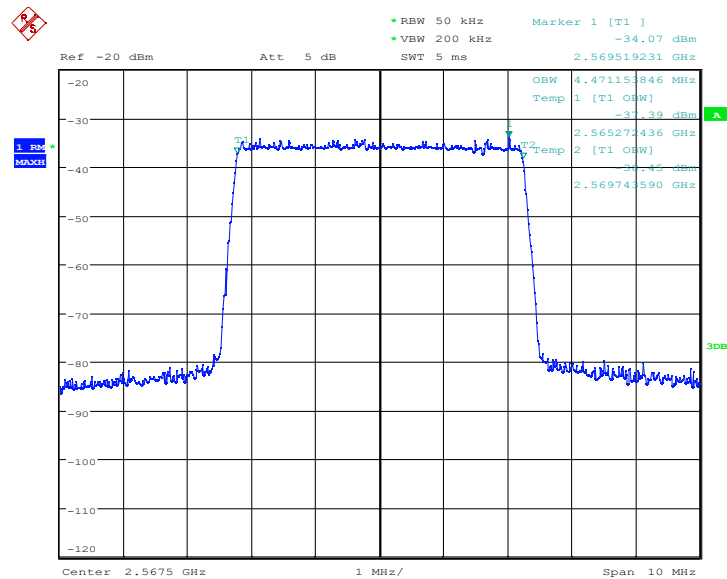
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Date: 13.JUN.2022 22:59:05



Date: 21.JUL.2022 16:38:49

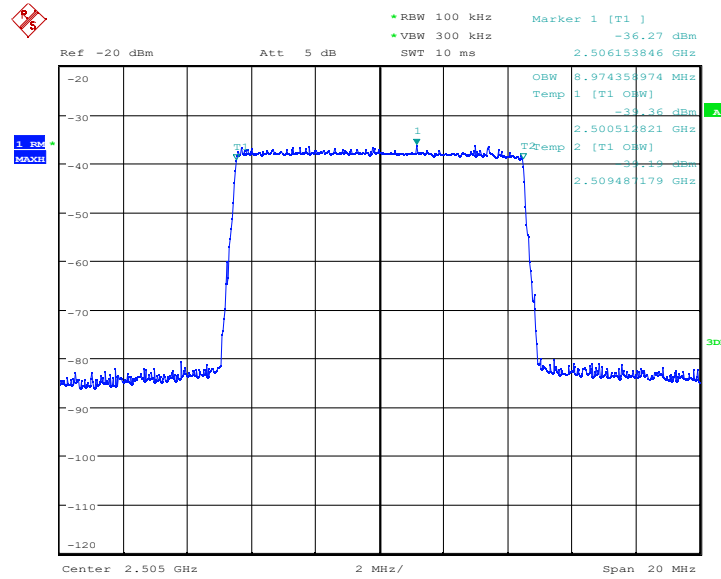
LTE band 7,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
2505	8.974	8.910
2535	8.942	8.942
2565	8.942	8.942

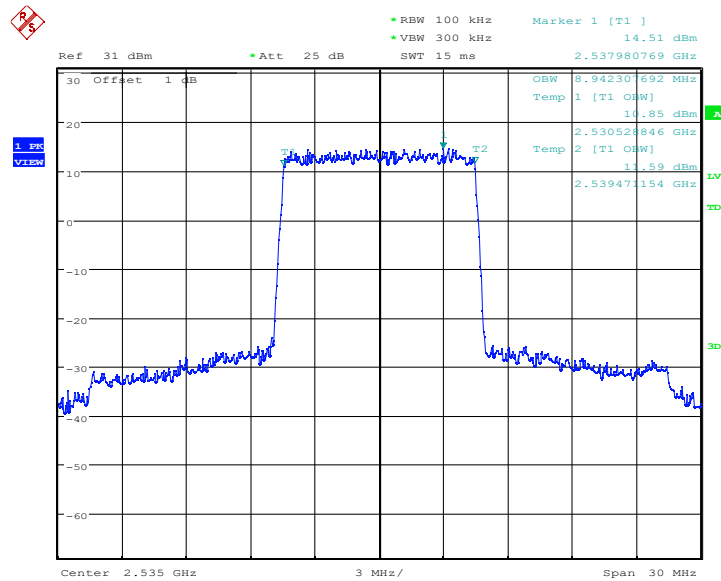
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LTE band 7 , 10MHz Bandwidth,QPSK (99% BW)



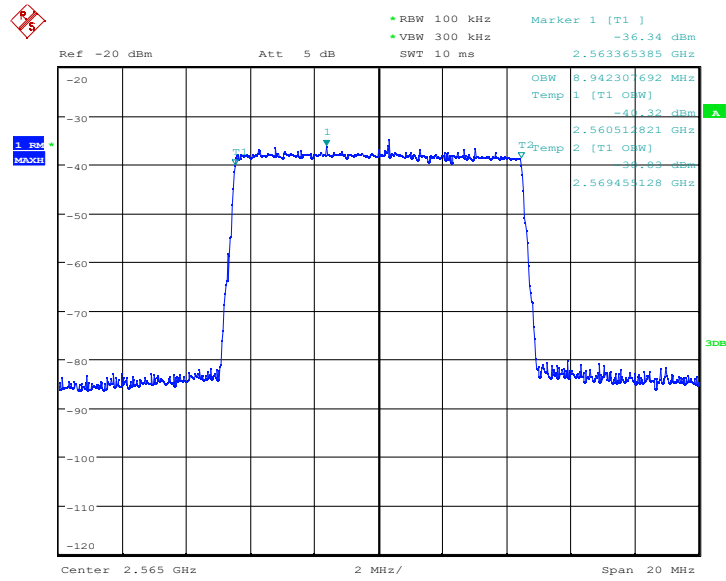
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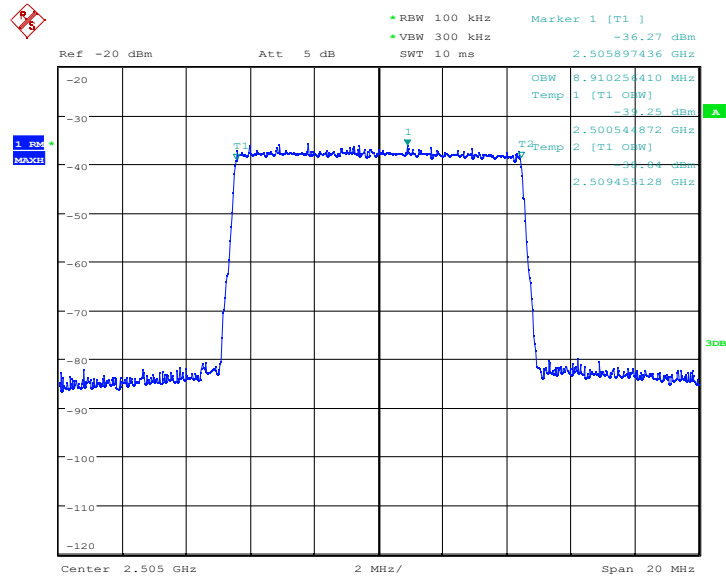
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Date: 21.JUL.2022 16:38:03

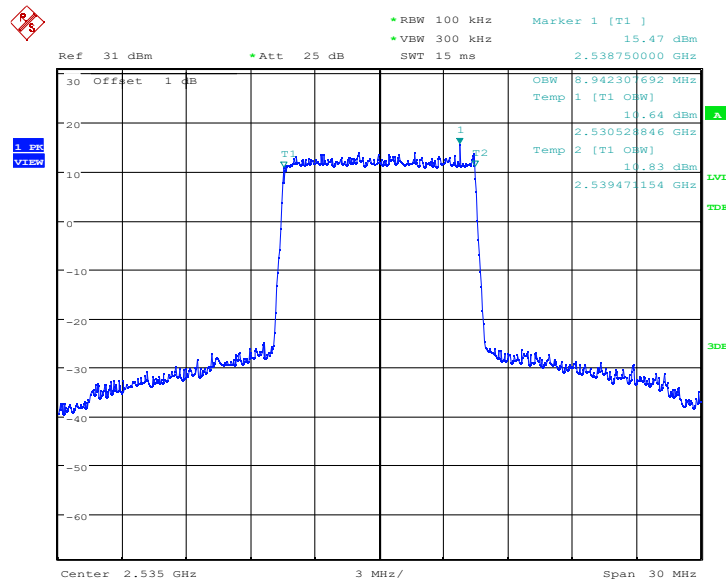
LTE band 7 , 10MHz Bandwidth,16QAM (99% BW)



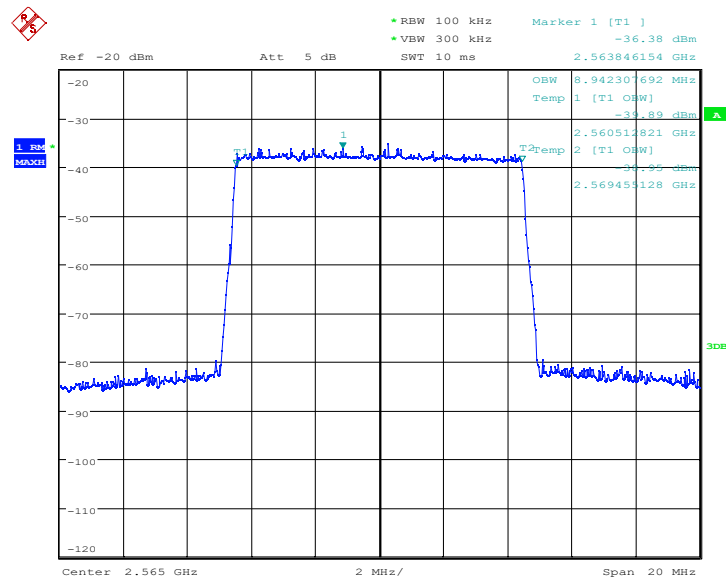
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Date: 13.JUN.2022 22:59:55



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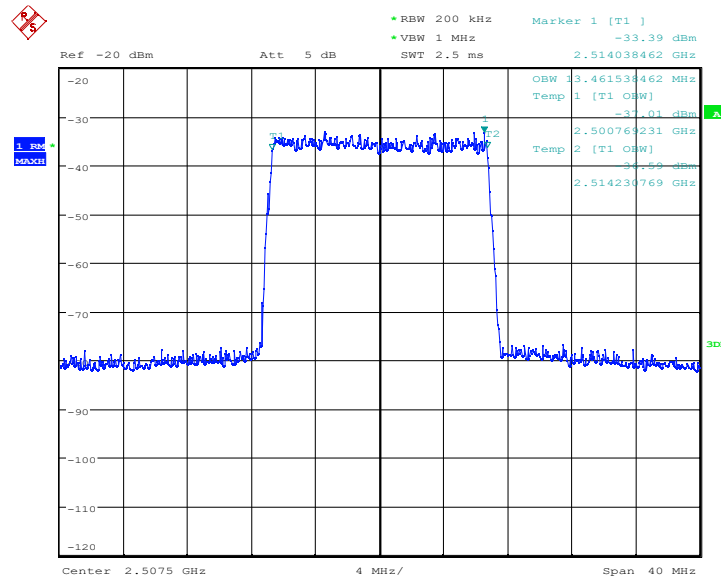
LTE band 7,15MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
2507.5	13.461	13.461
2535	13.486	13.486
2562.5	13.462	13.526

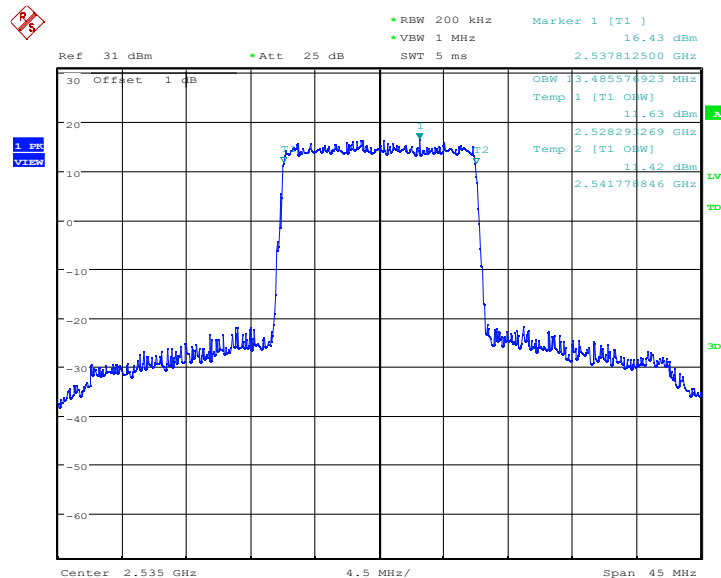
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LTE band 7 , 15MHz Bandwidth,QPSK (99% BW)



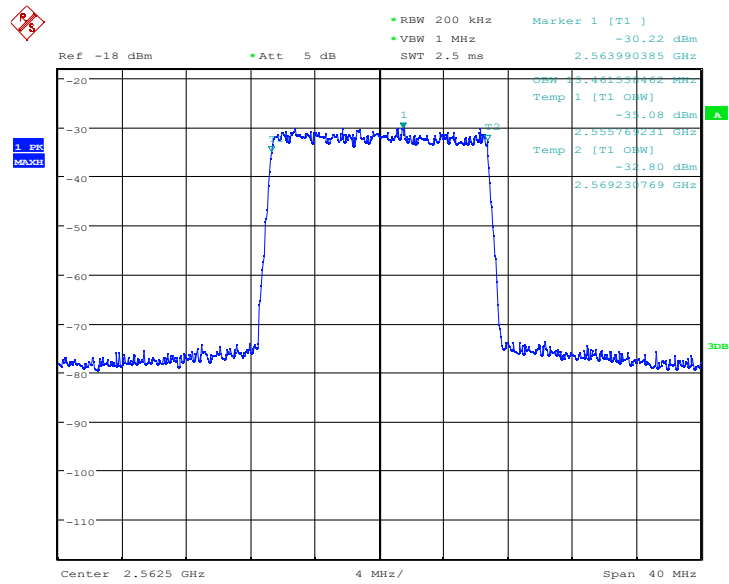
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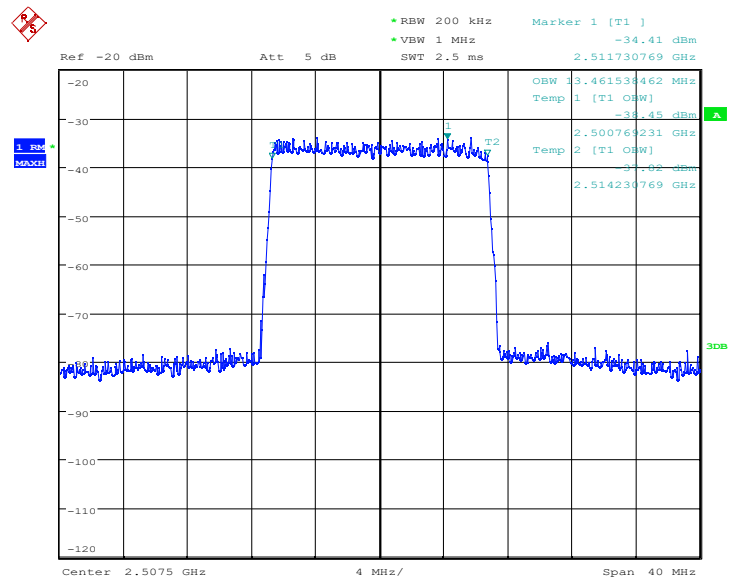
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Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 22.JUL.2022 10:11:39

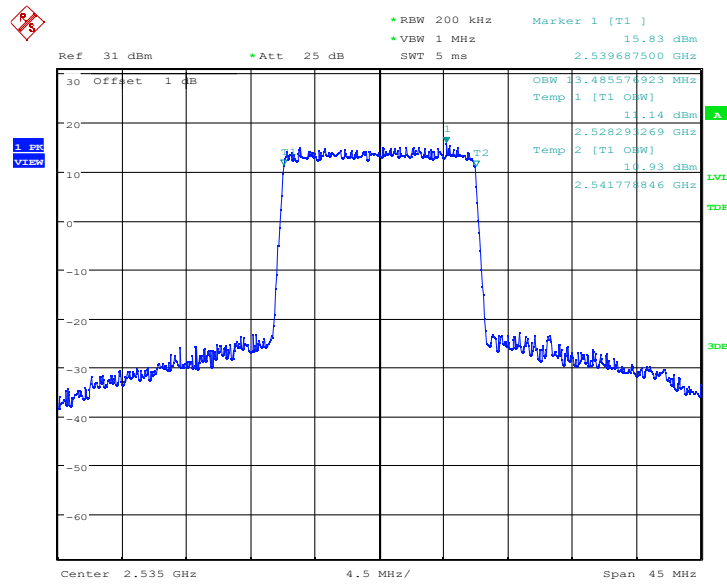
LTE band 7 , 15MHz Bandwidth,16QAM (99% BW)



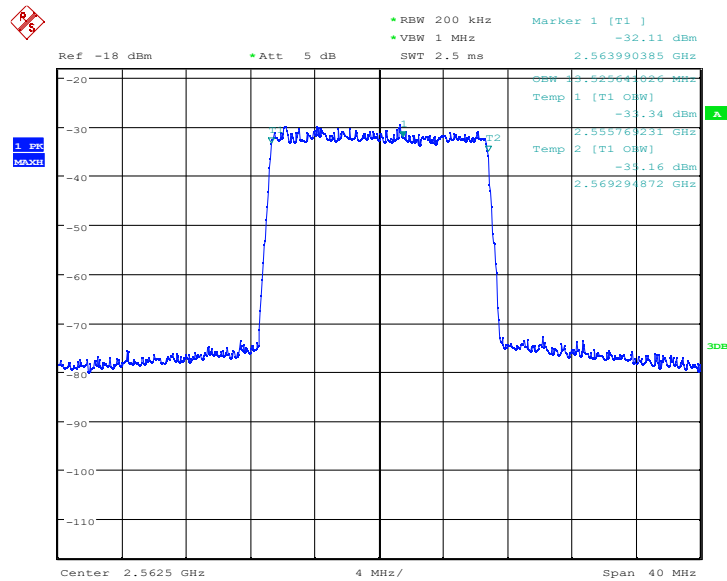
Date: 21.JUL.2022 16:31:23

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Date: 13.JUN.2022 23:00:45



Date: 22.JUL.2022 10:11:12

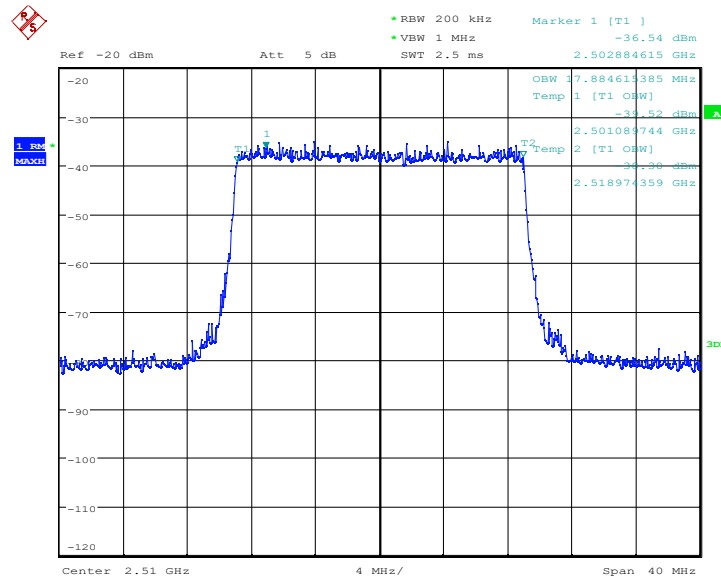
LTE band 7,20MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
2510	17.884	18.012
2535	17.981	17.981
2560	17.884	17.948

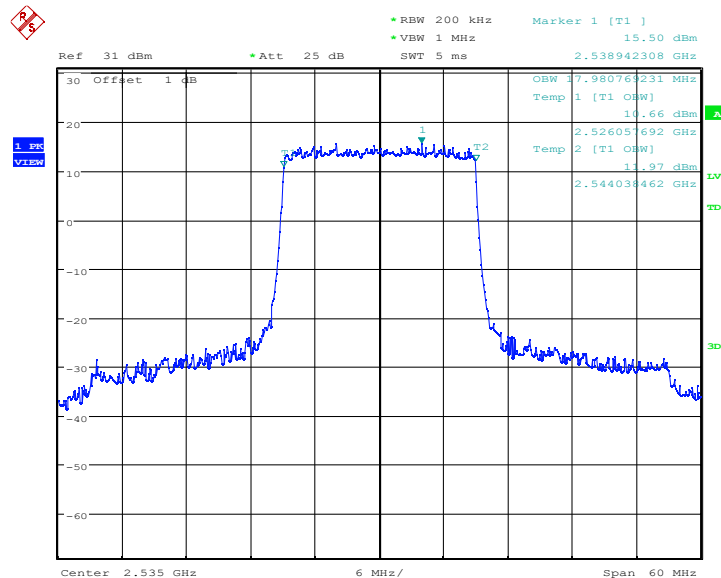
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LTE band 7 , 20MHz Bandwidth,QPSK (99% BW)



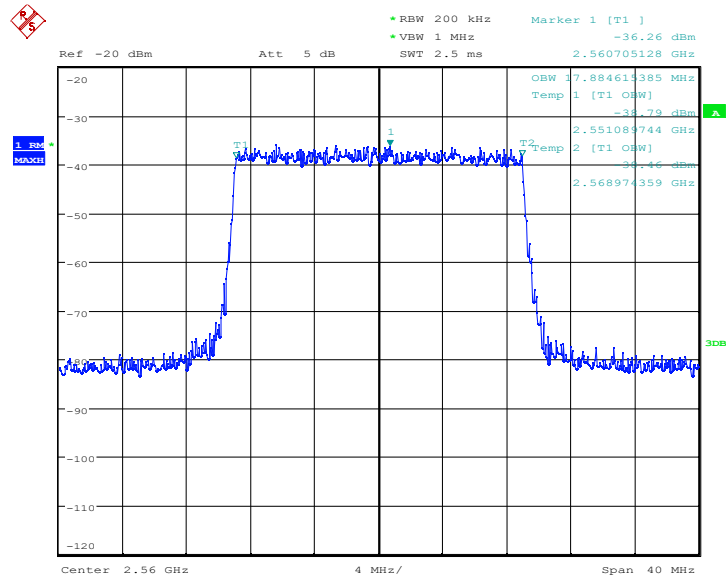
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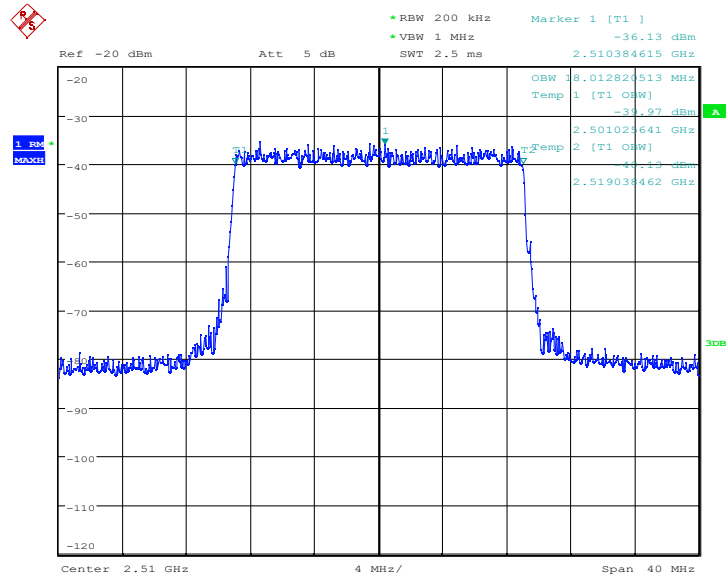
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Date: 21.JUL.2022 16:34:09

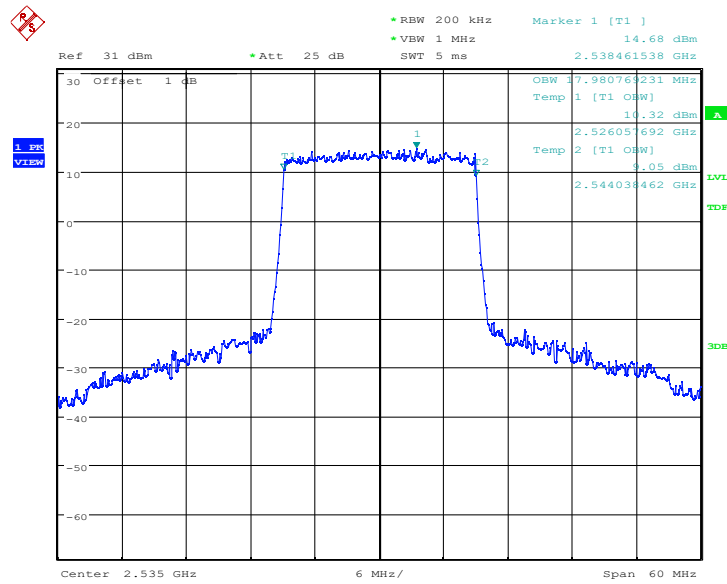
LTE band 7 , 20MHz Bandwidth,16QAM (99% BW)



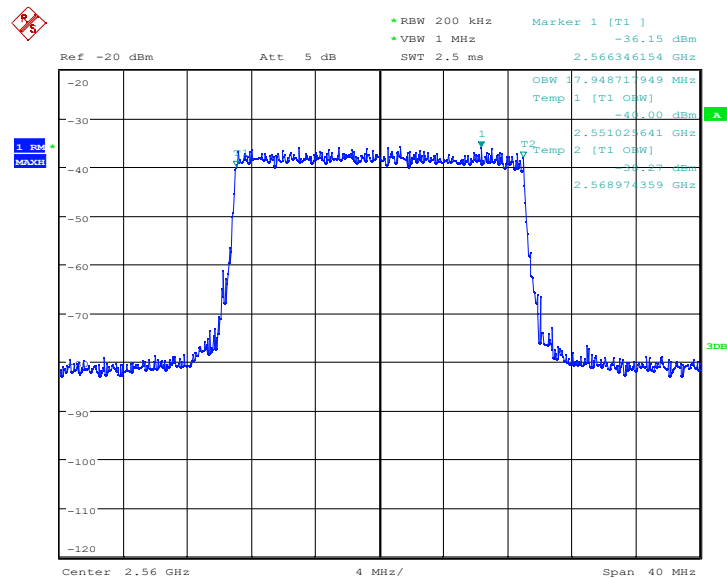
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Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 13.JUN.2022 23:01:33



Date: 21.JUL.2022 16:33:27

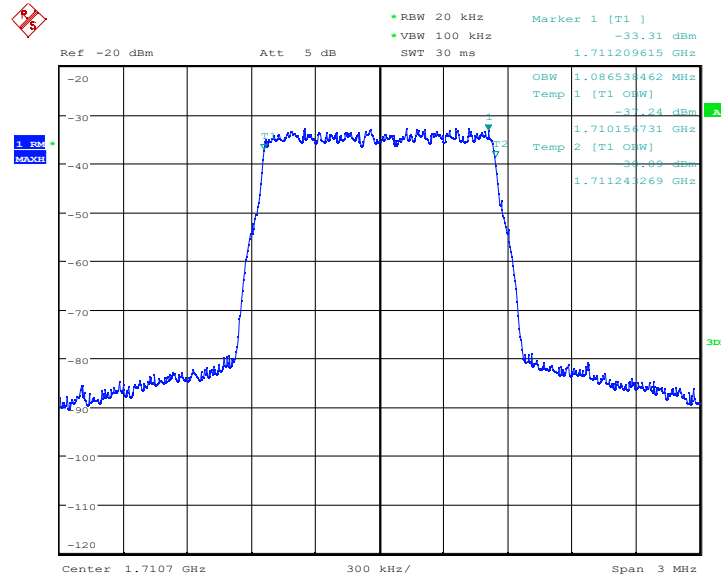
LTE band 66,1.4MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1710.7	1.086	1.086
1745	1.097	1.104
1779.3	1.081	1.091

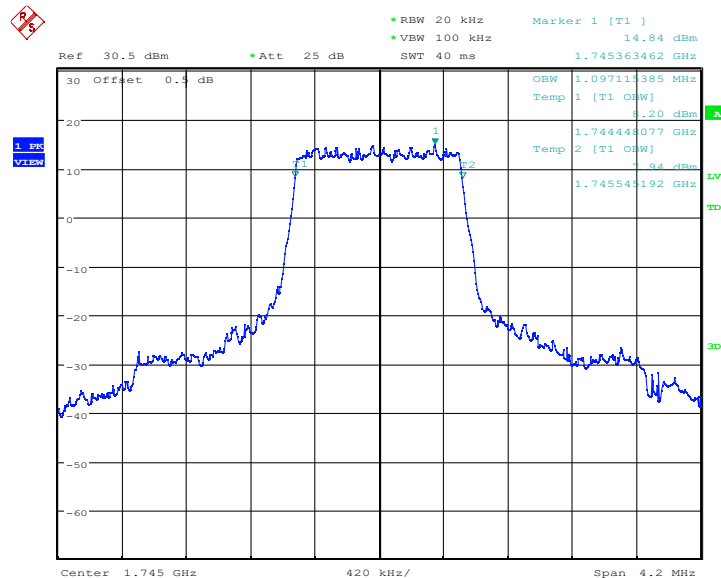
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LTE band 66 , 1.4MHz Bandwidth,QPSK (99% BW)



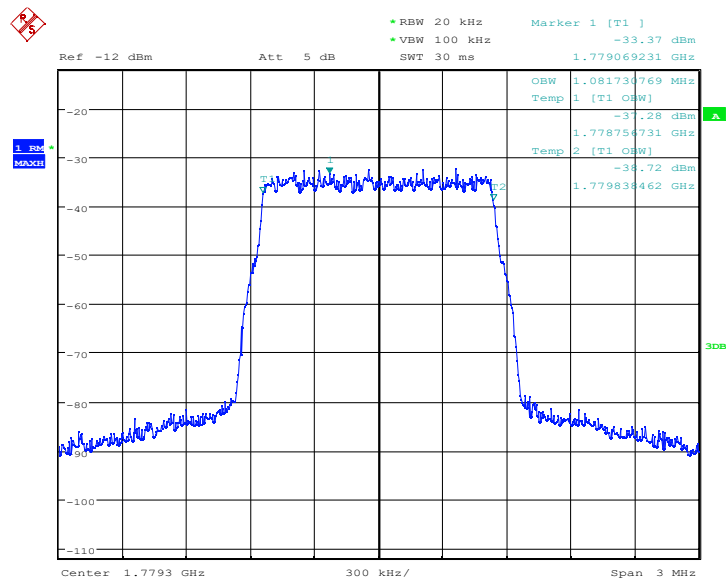
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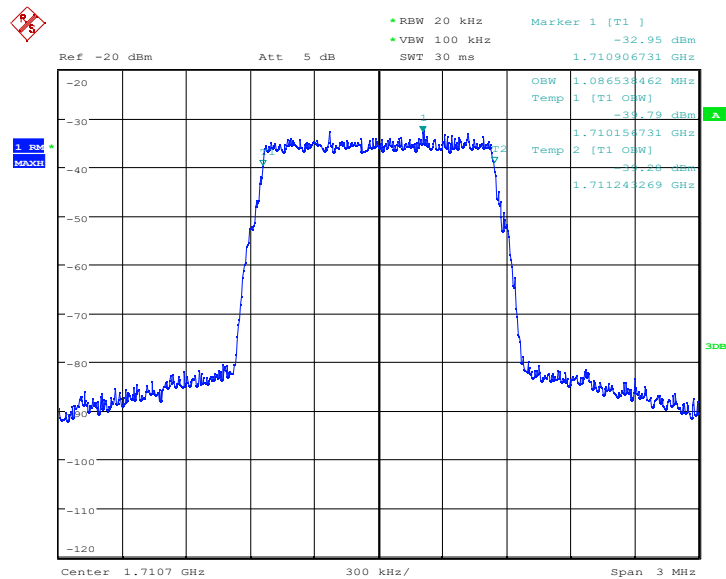
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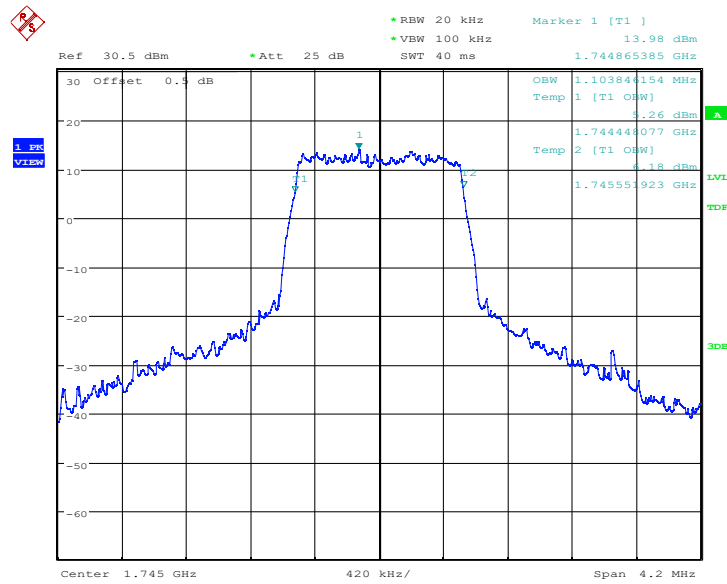


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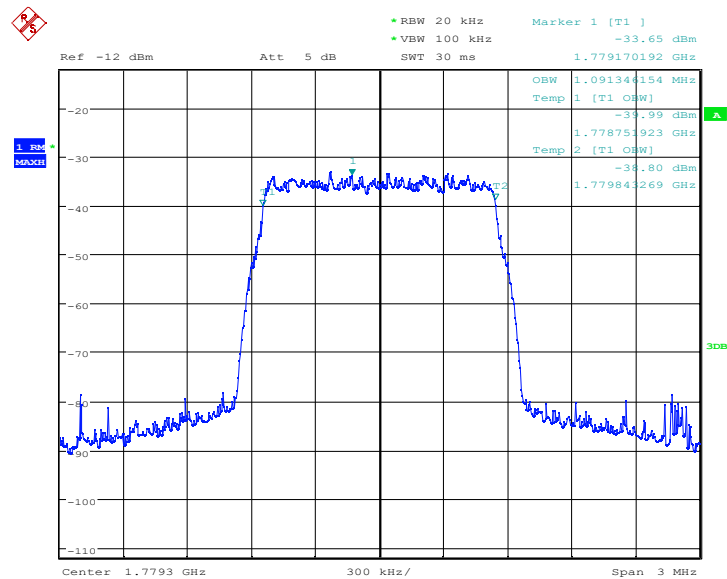
LTE band 66 , 1.4MHz Bandwidth,16QAM (99% BW)



Date: 21.JUL.2022 17:24:38



Date: 13.JUN.2022 23:02:29



Date: 21.JUL.2022 17:47:15

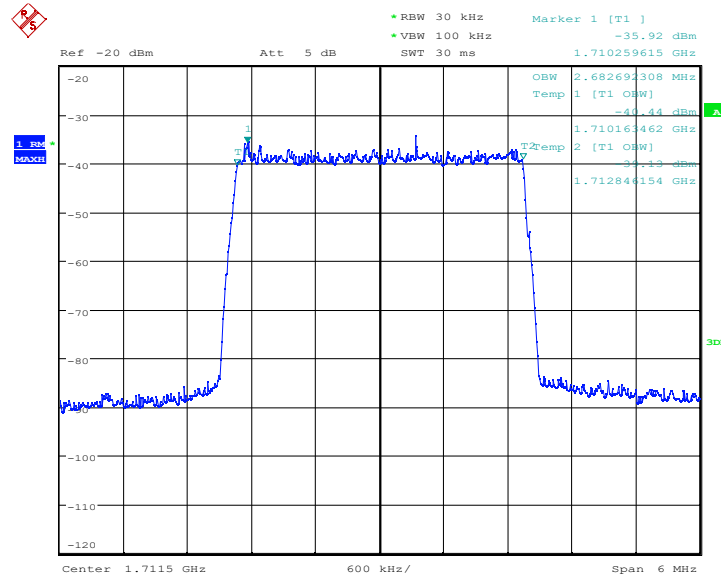
LTE band 66,3MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1711.5	2.682	2.692
1745	2.697	2.697
1778.5	2.682	2.692

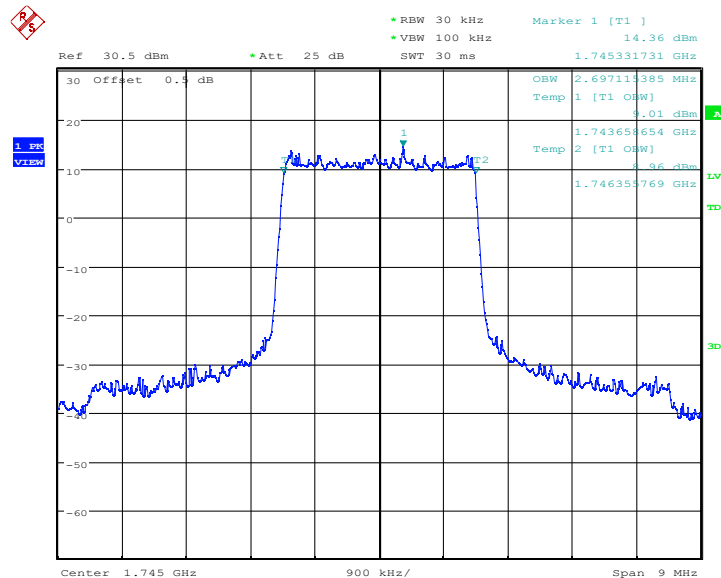
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LTE band 66 , 3MHz Bandwidth,QPSK (99% BW)



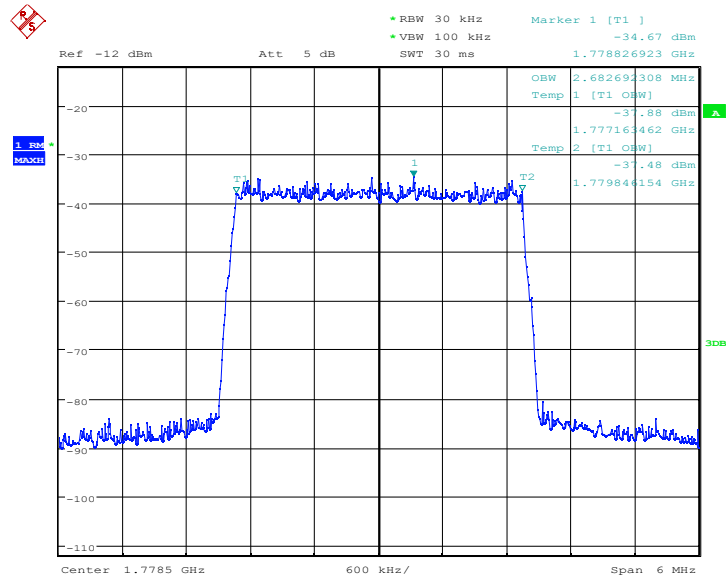
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Date: 13.JUN.2022 23:02:55

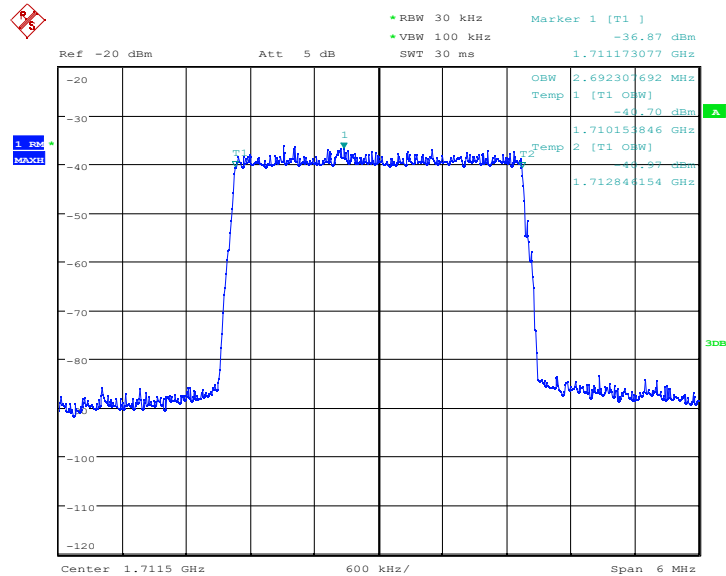
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Date: 21.JUL.2022 17:45:58

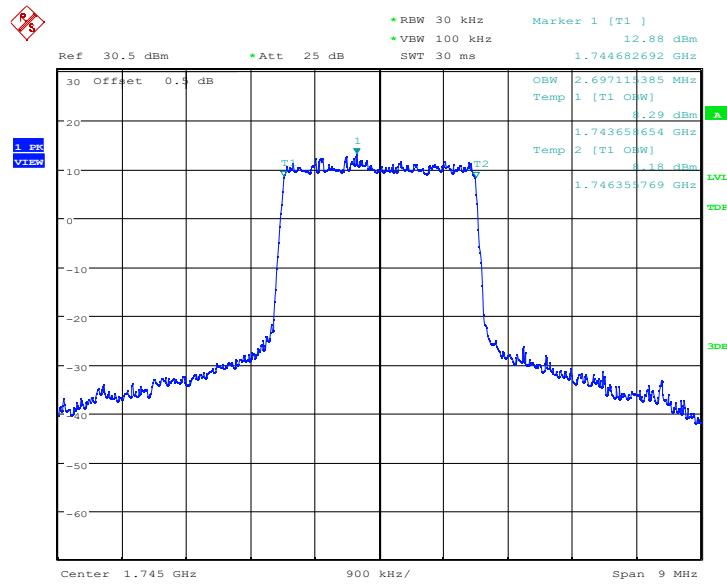
LTE band 66 , 3MHz Bandwidth,16QAM (99% BW)



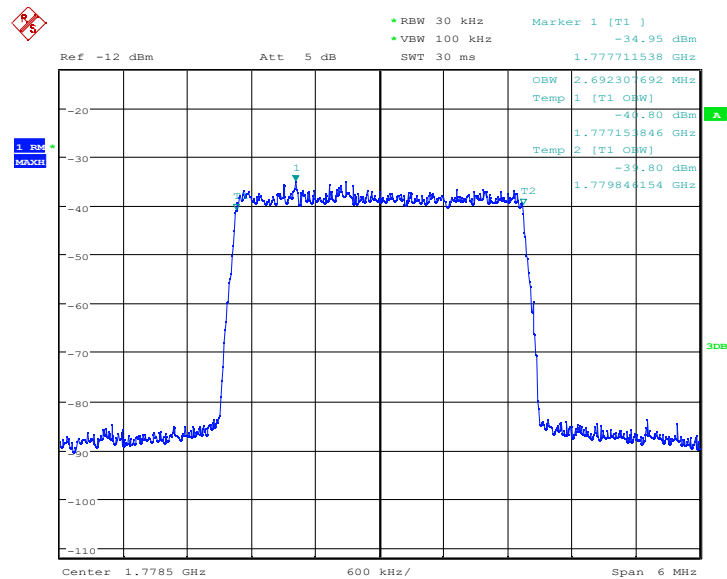
Date: 21.JUL.2022 17:26:06

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Date: 13.JUN.2022 23:03:20



Date: 21.JUL.2022 17:45:17

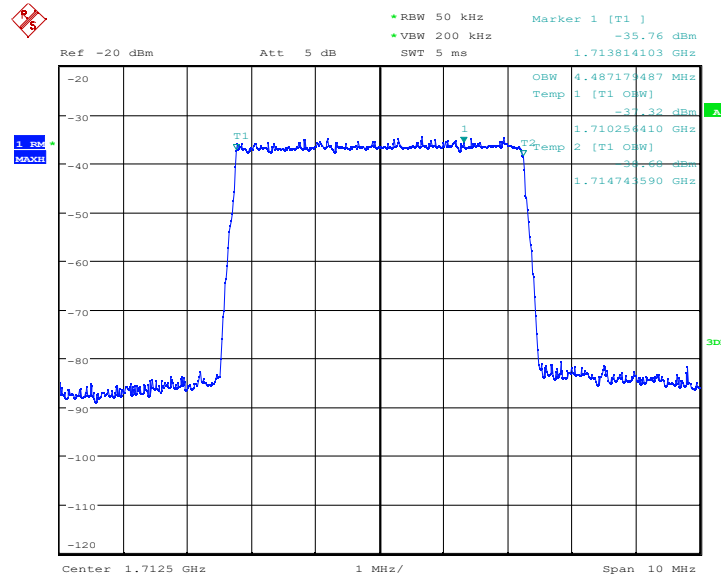
LTE band 66,5MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1712.5	4.487	4.471
1745	4.495	4.471
1777.5	4.487	4.471

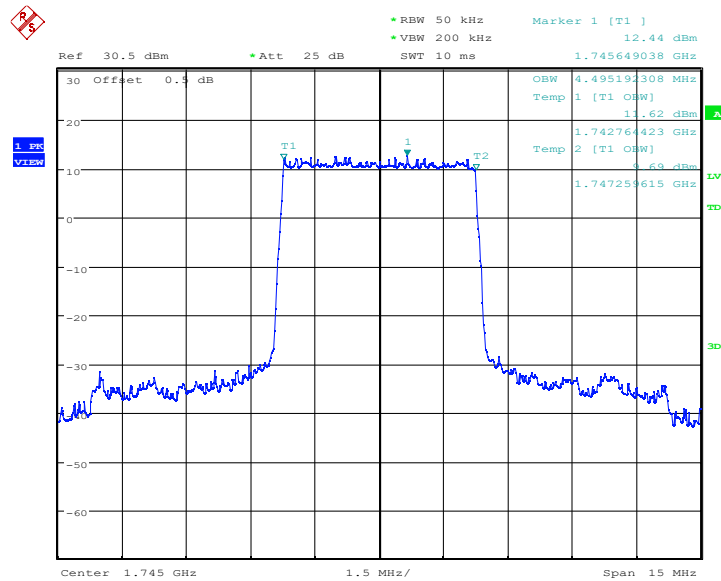
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LTE band 66 , 5MHz Bandwidth,QPSK (99% BW)



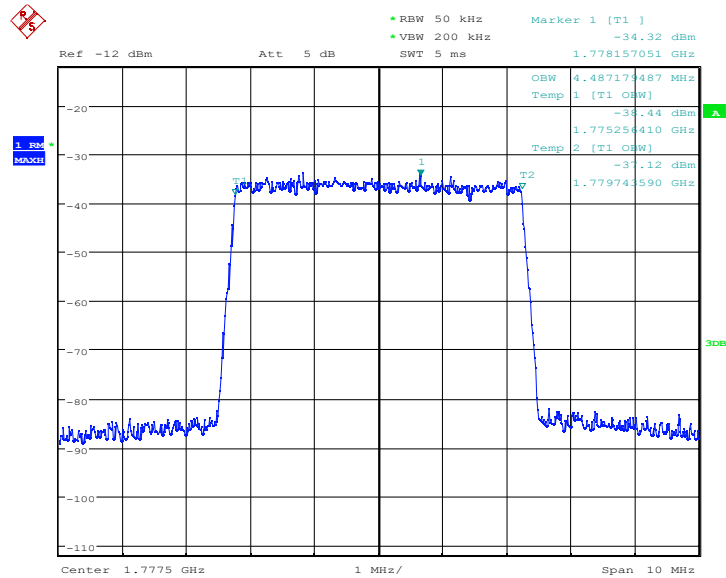
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Date: 13.JUN.2022 23:03:48

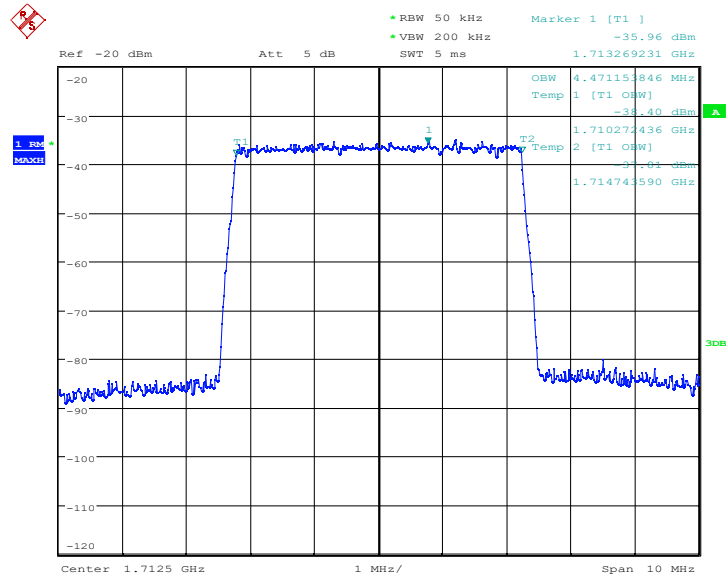
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Date: 21.JUL.2022 17:44:03

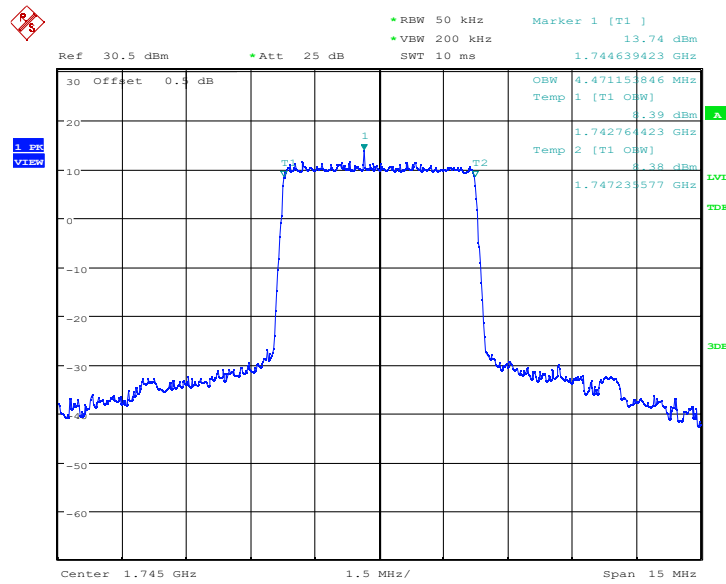
LTE band 66 , 5MHz Bandwidth,16QAM (99% BW)



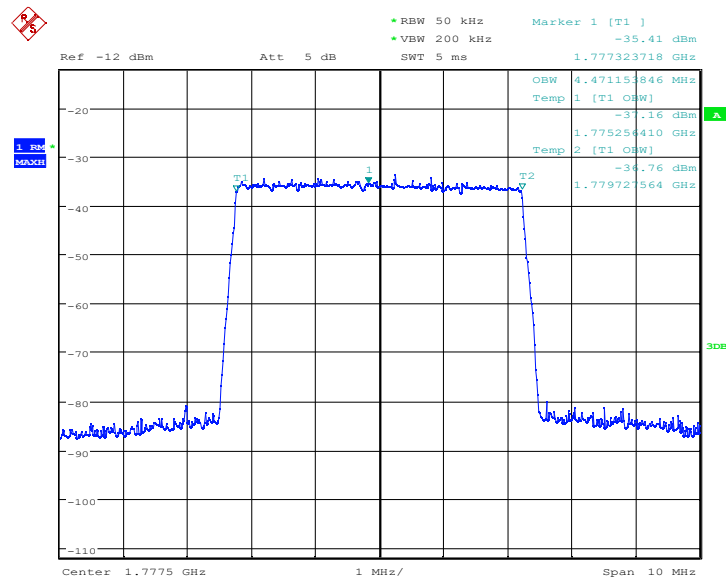
Date: 21.JUL.2022 17:28:38

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Date: 13.JUN.2022 23:04:11



Date: 21.JUL.2022 17:43:23

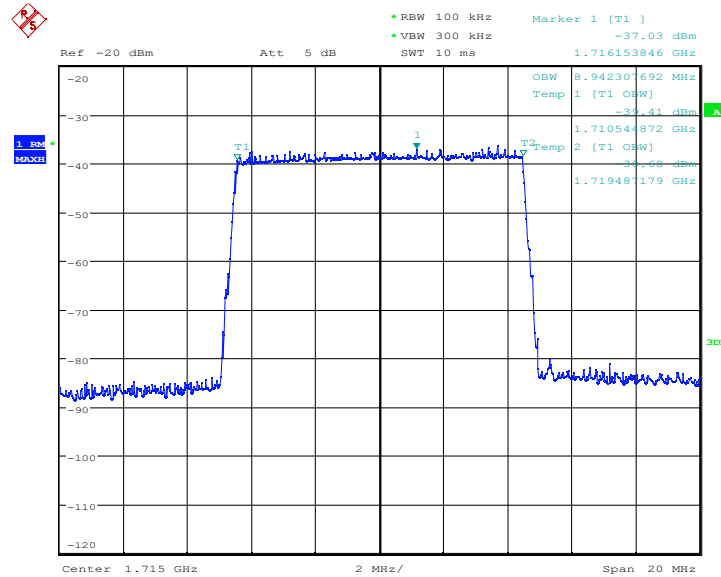
LTE band 66,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1715	8.942	8.942
1745	8.942	8.942
1775	8.910	8.910

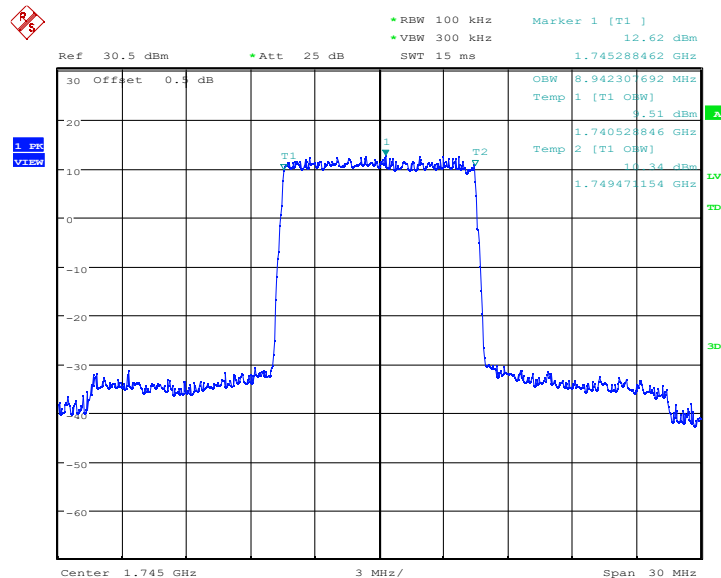
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LTE band 66 , 10MHz Bandwidth,QPSK (99% BW)



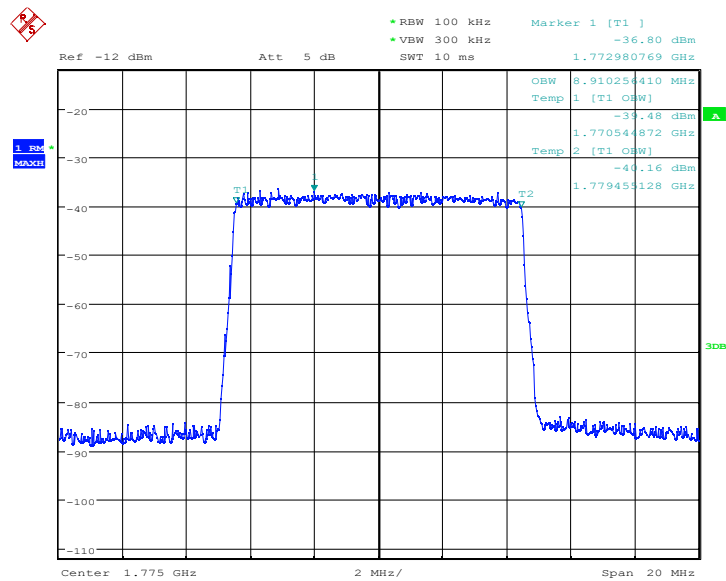
Date: 21.JUL.2022 17:29:21



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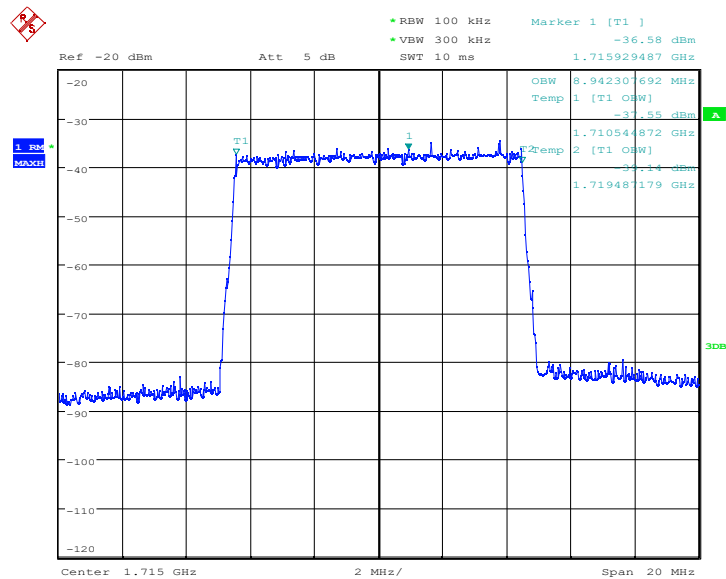
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Date: 21.JUL.2022 17:42:33

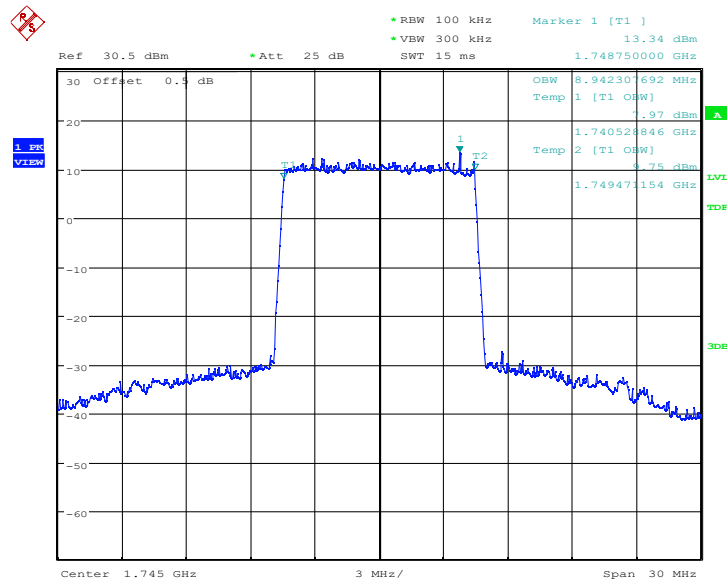
LTE band 66 , 10MHz Bandwidth,16QAM (99% BW)



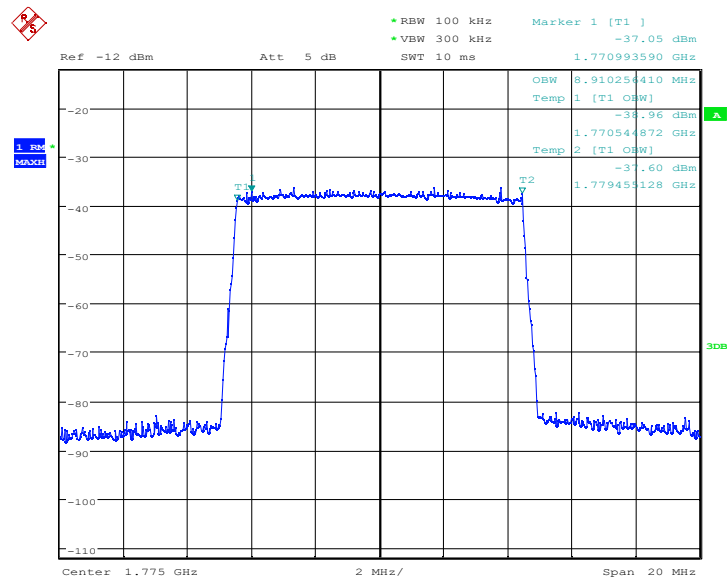
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Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 13.JUN.2022 23:05:04



Date: 21.JUL.2022 17:41:48

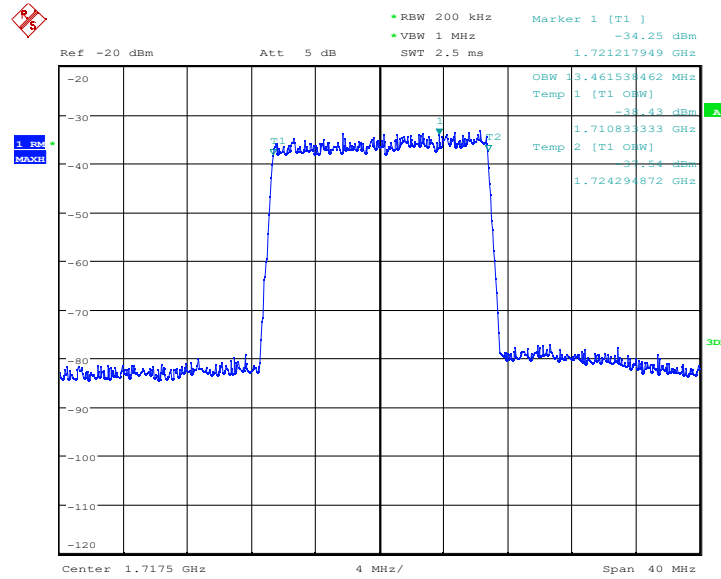
LTE band 66,15MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1717.5	13.461	13.461
1745	13.558	13.486
1772.5	13.526	13.461

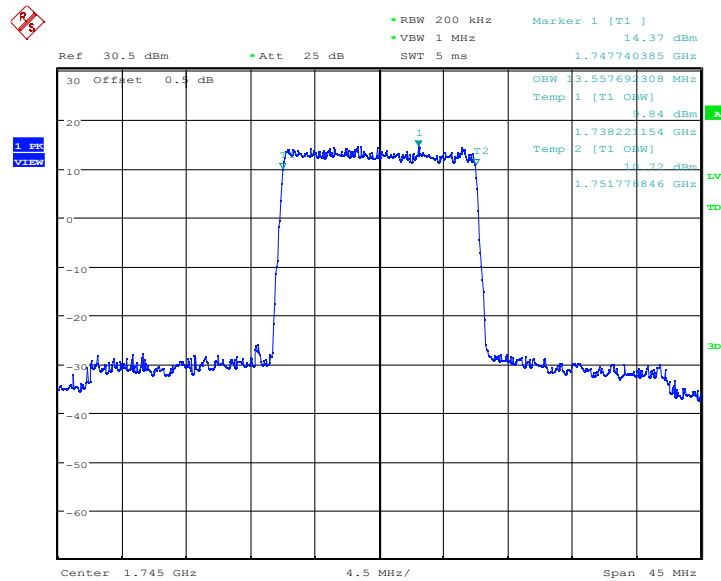
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Tel: 0086-23-88069965 FAX:0086-23-88608777

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



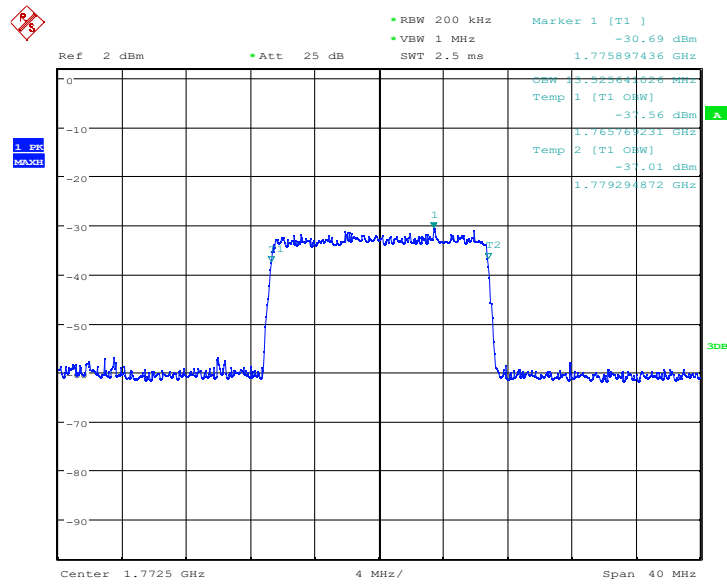
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Date: 13.JUN.2022 23:05:30

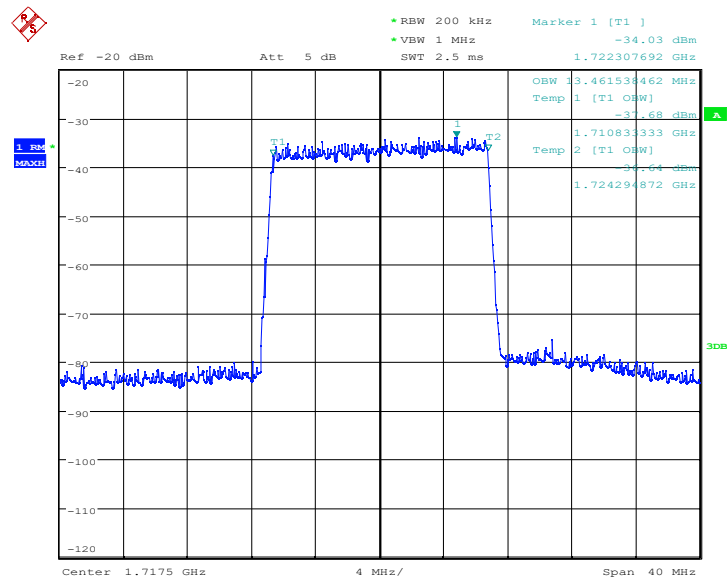
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Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 22.JUL.2022 10:21:31

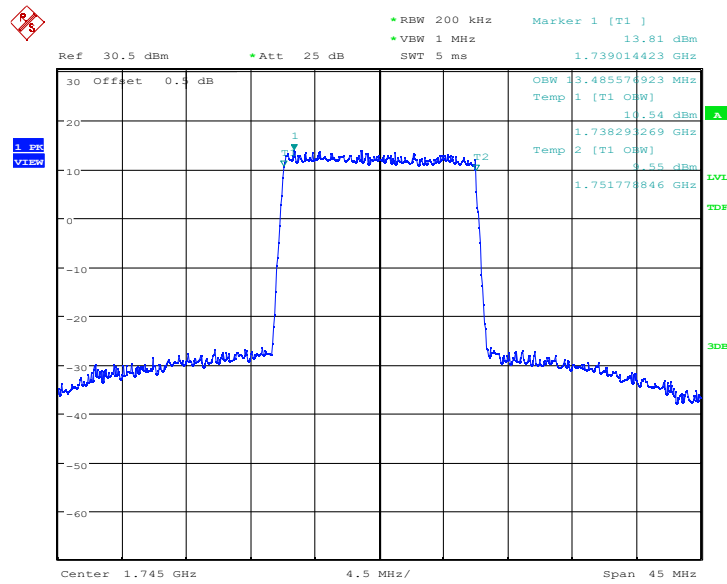
LTE band 66 , 15MHz Bandwidth,16QAM (99% BW)



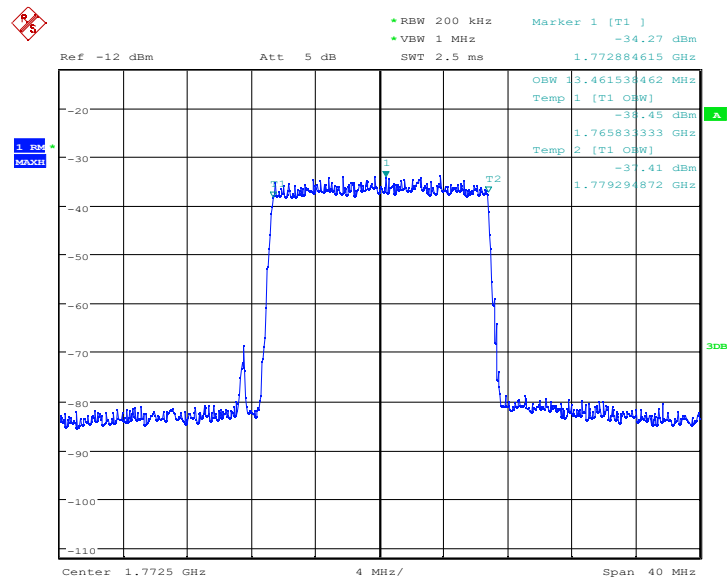
Date: 21.JUL.2022 17:31:30

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



Date: 13.JUN.2022 23:05:55



Date: 21.JUL.2022 17:39:18

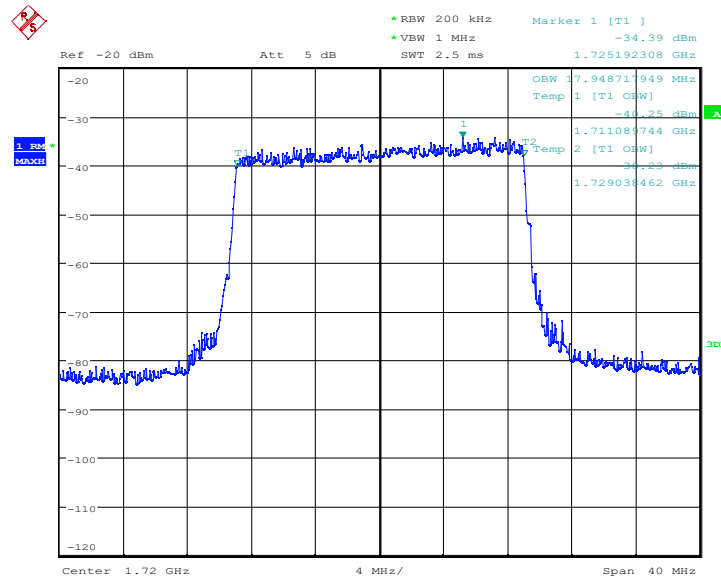
LTE band 66,20MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1720	17.948	17.884
1745	17.981	17.981
1770	17.884	17.981

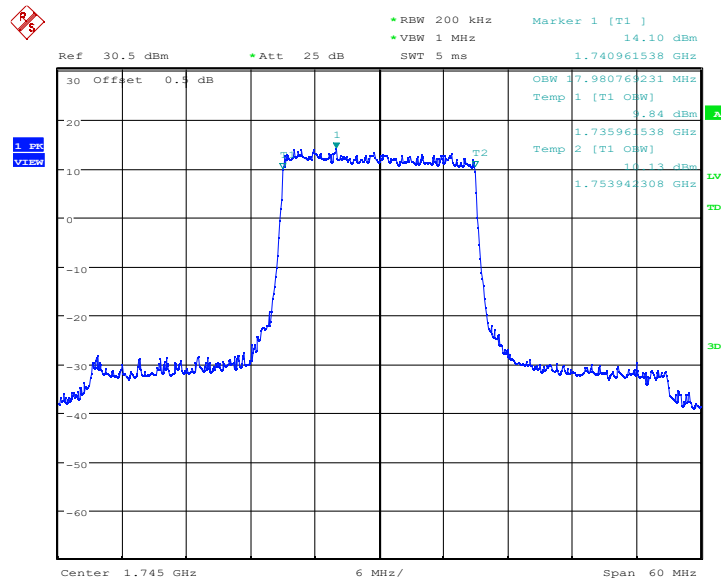
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LTE band 66 , 20MHz Bandwidth,QPSK (99% BW)



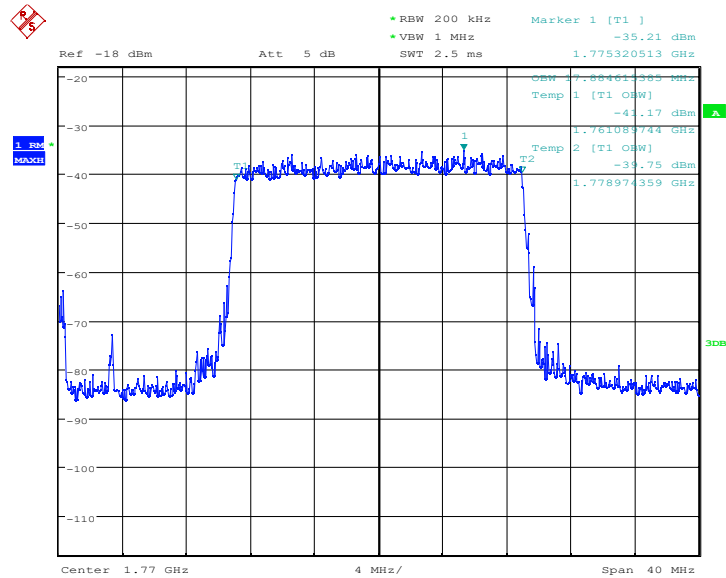
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Date: 13.JUN.2022 23:06:22

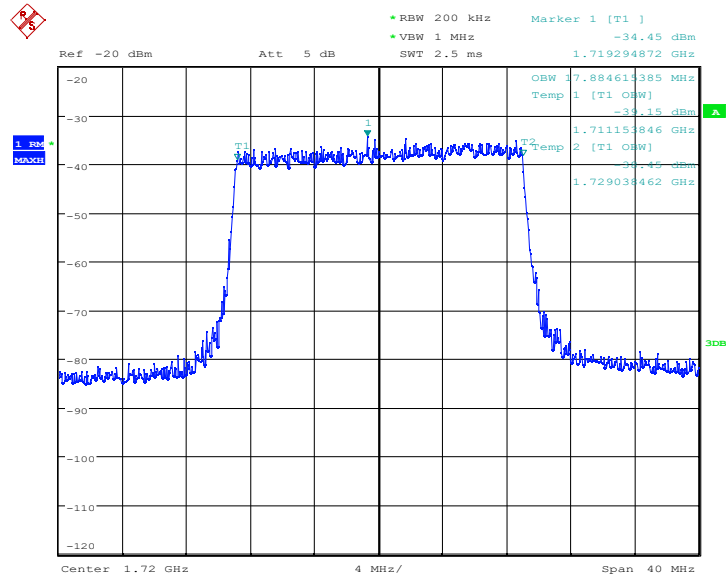
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Date: 21.JUL.2022 17:36:21

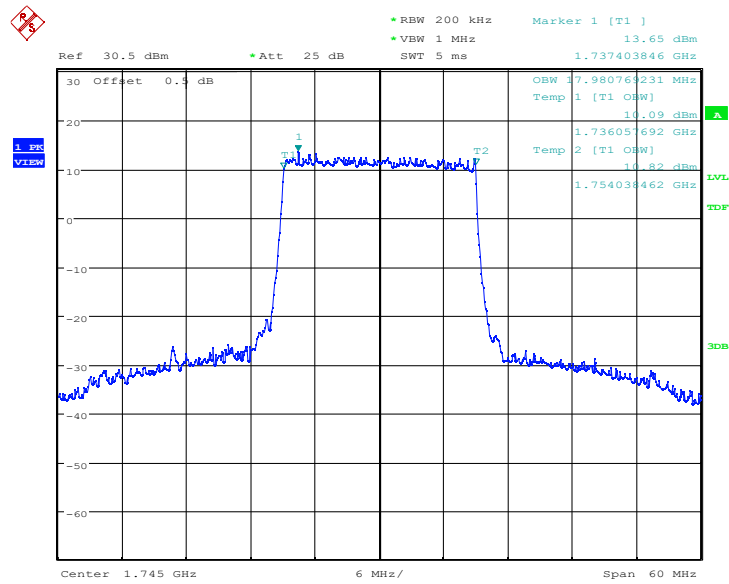
LTE band 66 , 20MHz Bandwidth,16QAM (99% BW)



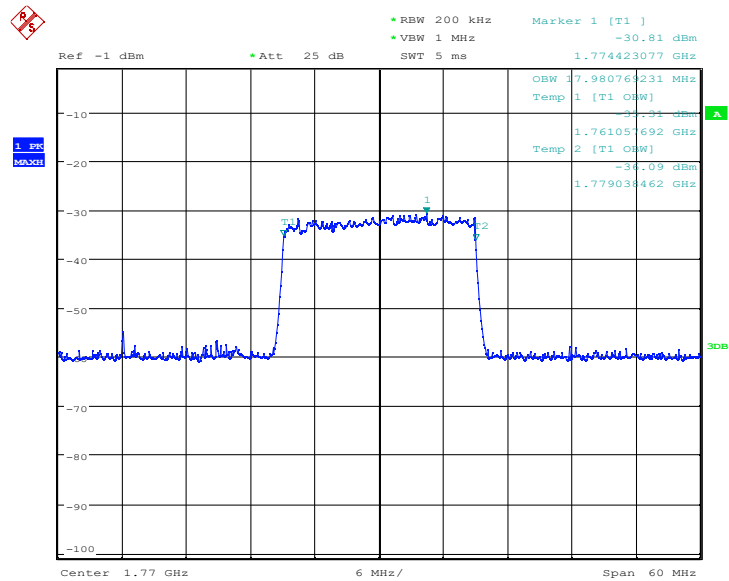
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Date: 13.JUN.2022 23:06:47



Date: 22.JUL.2022 11:20:33

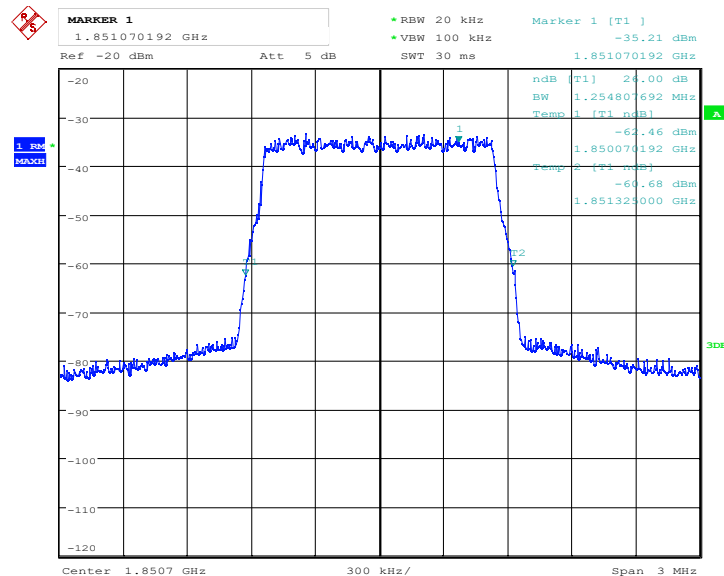
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LTE band 2,1.4MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
1850.7	1.254	1.254
1880	1.265	1.272
1909.3	1.240	1.254

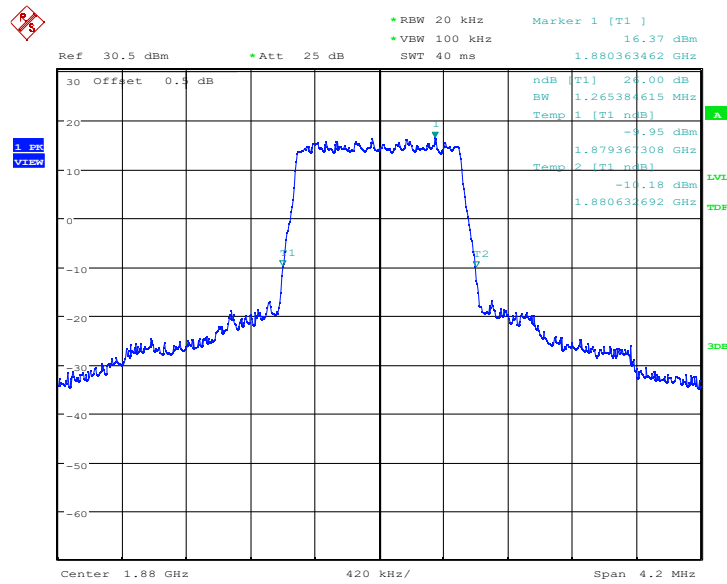
LTE band 2 , 1.4MHz Bandwidth,QPSK (-26dBc BW)



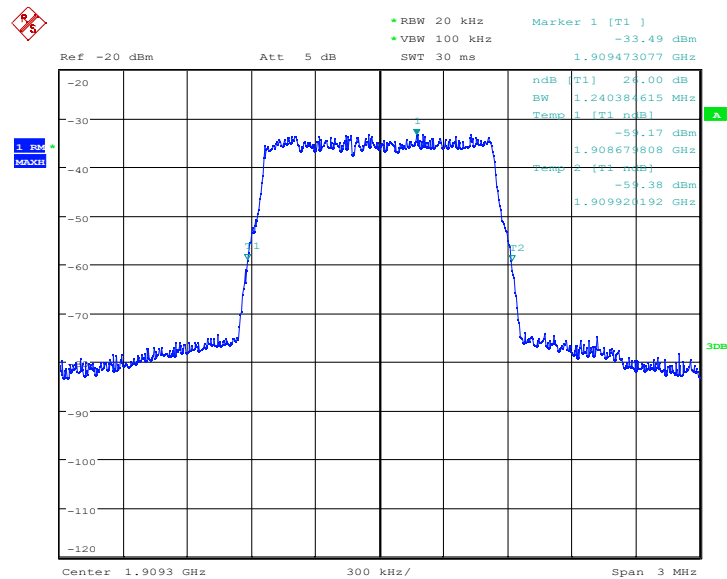
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Date: 13.JUN.2022 23:07:47

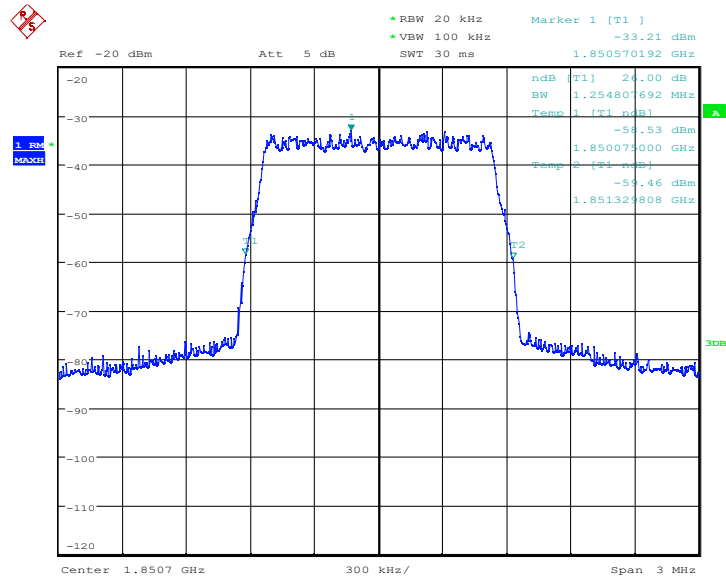


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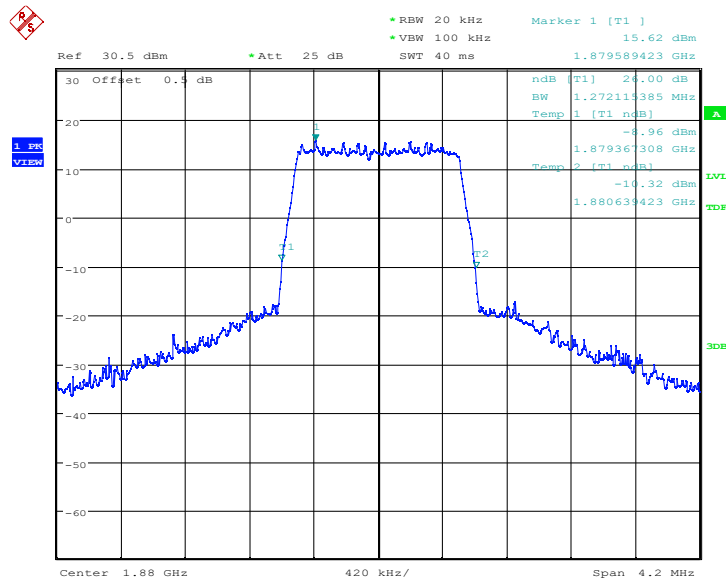
LTE band 2 , 1.4MHz Bandwidth,16QAM (-26dBc BW)

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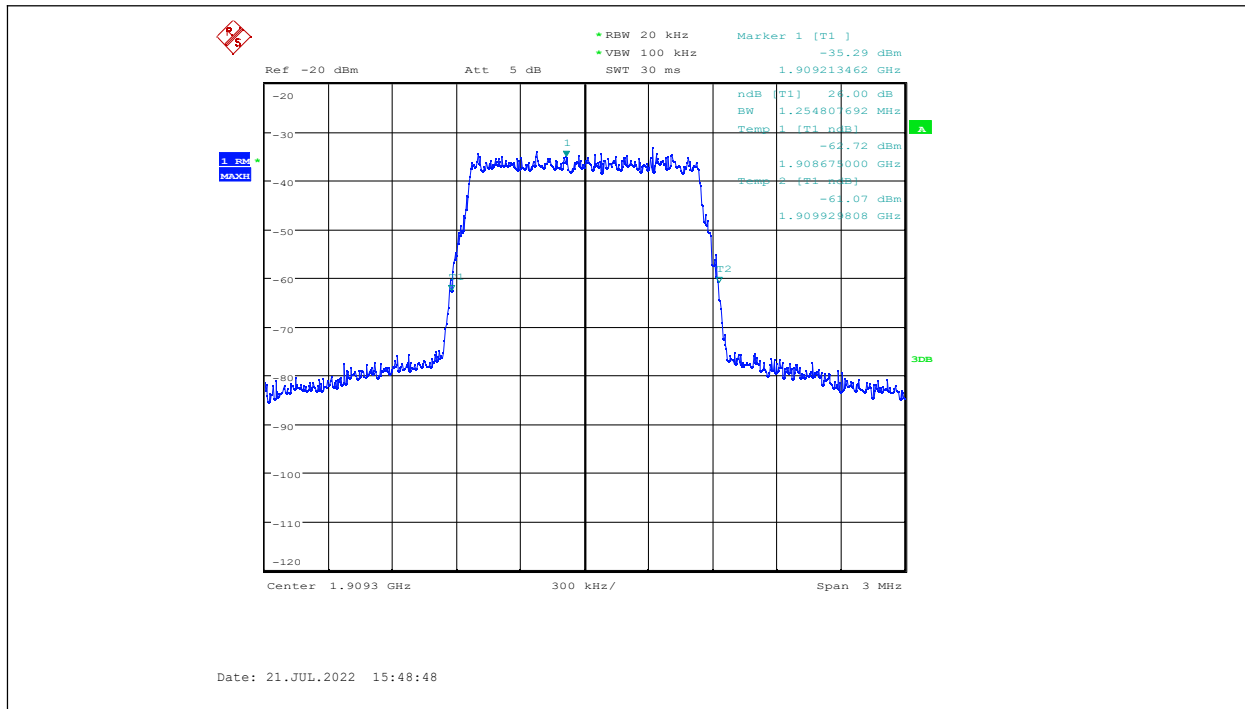
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Date: 13.JUN.2022 23:08:19

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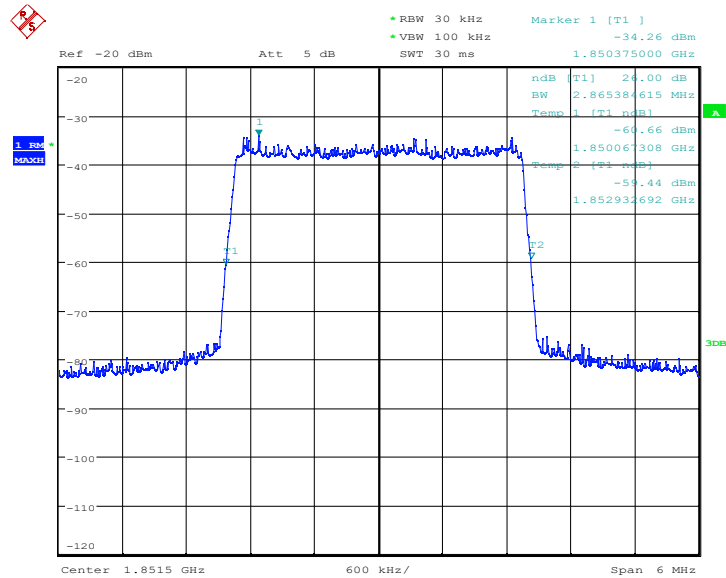


LTE band 2,3MHz(-26dBc)

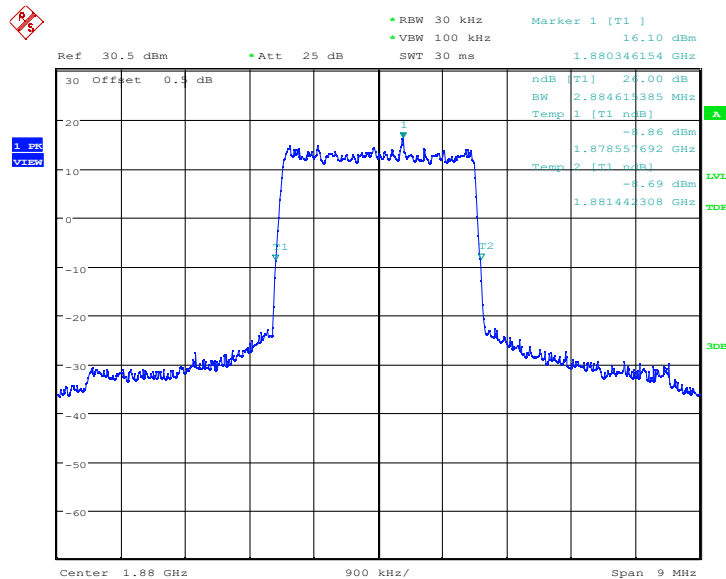
Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
1851.5	2.865	2.884
1880	2.885	2.899
1908.5	2.865	2.875
LTE band 2 , 3MHz Bandwidth,QPSK (-26dBc BW)		

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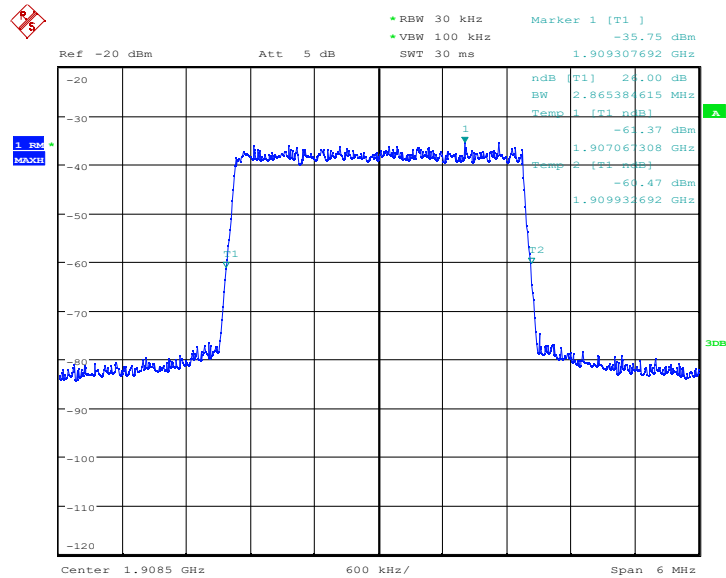
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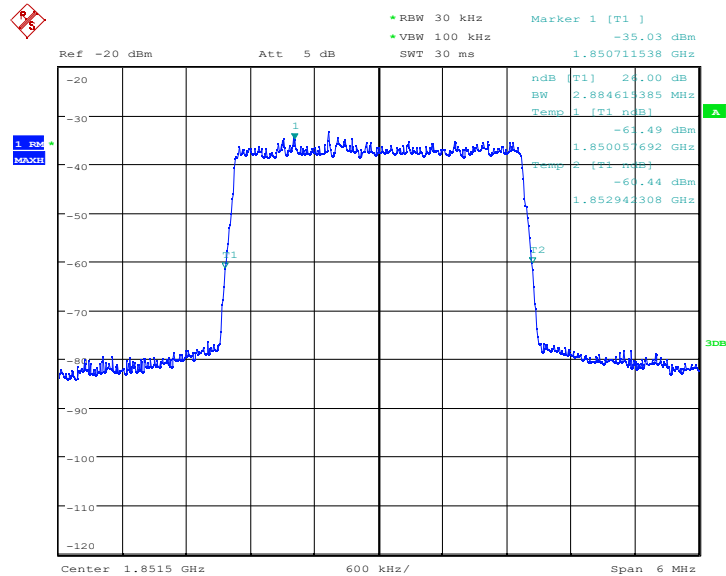
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Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 21.JUL.2022 15:47:28

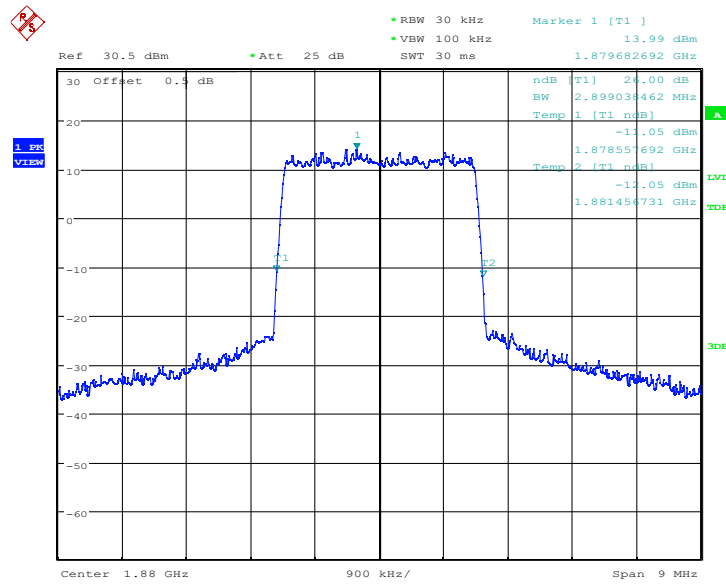
LTE band 2 , 3MHz Bandwidth,16QAM (-26dBc BW)



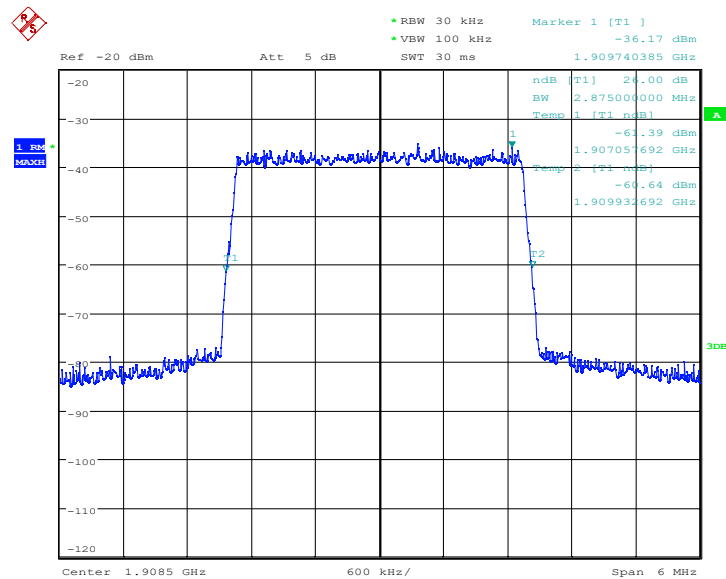
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Date: 13.JUN.2022 23:09:10



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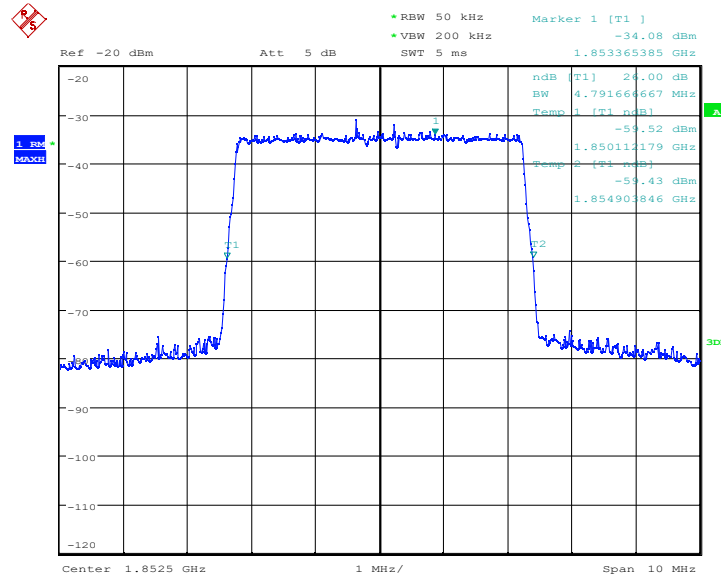
LTE band 2,5MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
1852.5	4.791	4.791
1880	4.808	4.808
1907.5	4.808	4.775

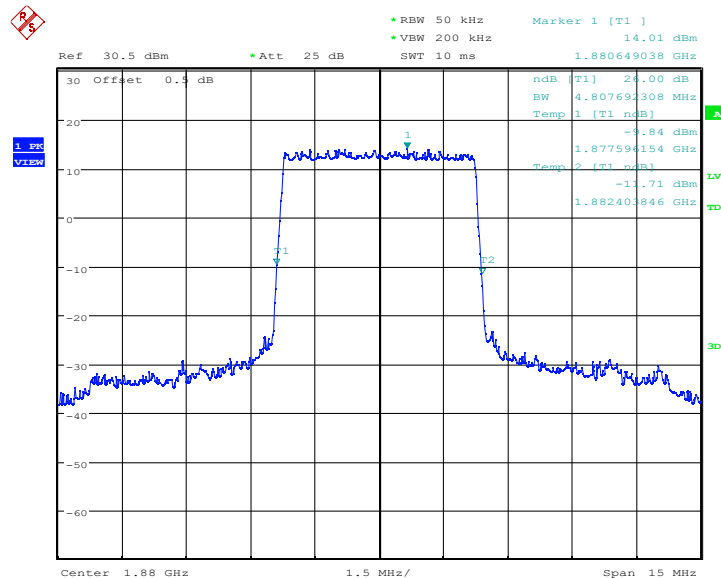
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LTE band 2 , 5MHz Bandwidth,QPSK (-26dBc BW)



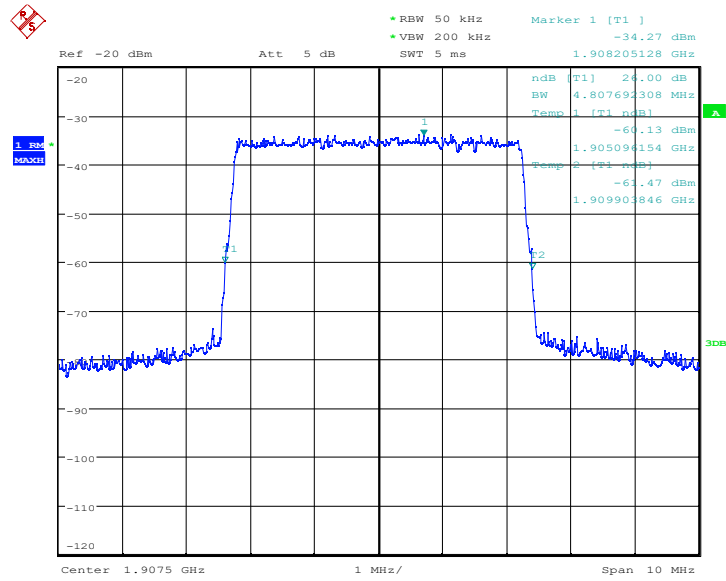
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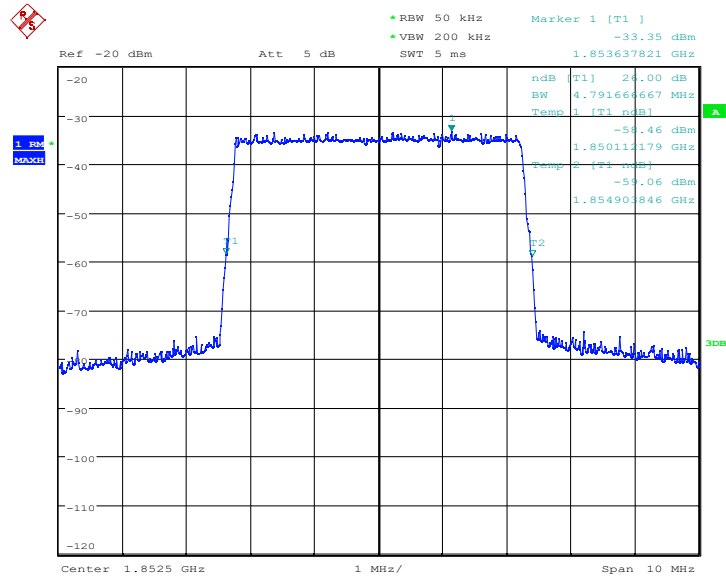
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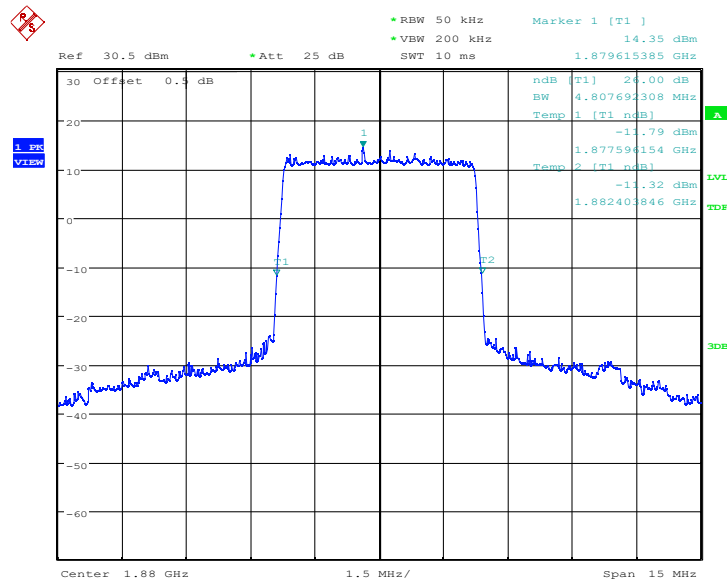
LTE band 2 , 5MHz Bandwidth,16QAM (-26dBc BW)



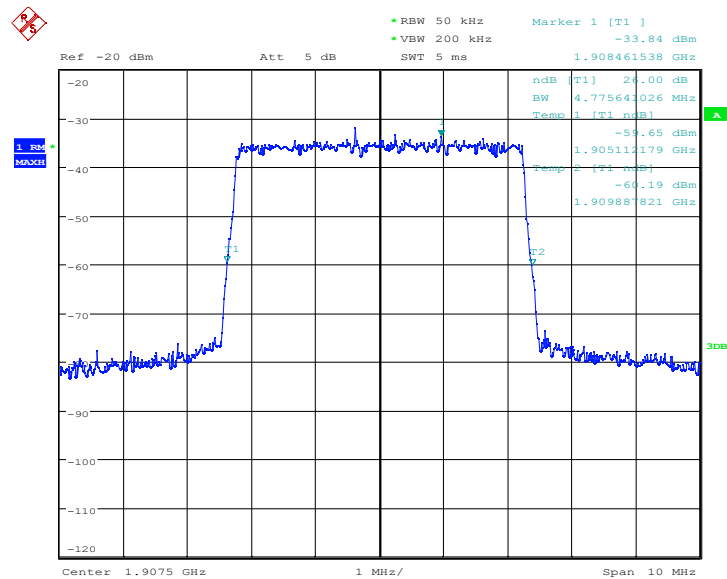
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Date: 13.JUN.2022 23:10:02



Date: 21.JUL.2022 15:45:24

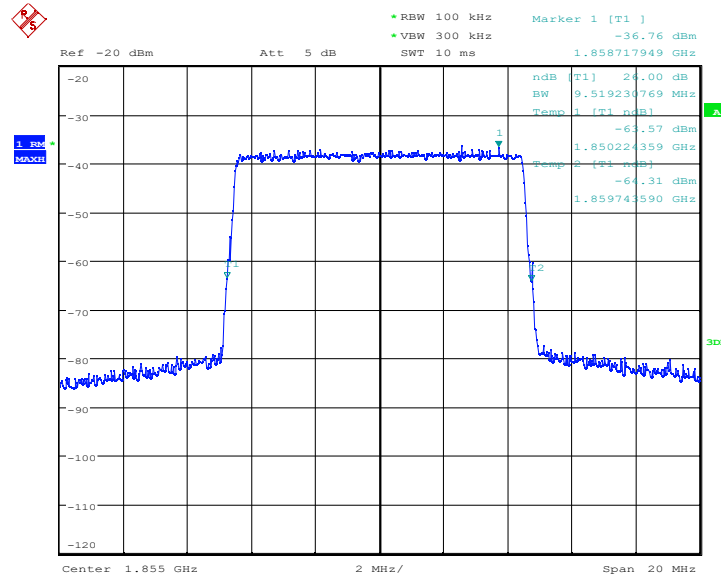
LTE band 2,10MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
1855	9.519	9.519
1880	9.615	9.567
1905	9.551	9.487

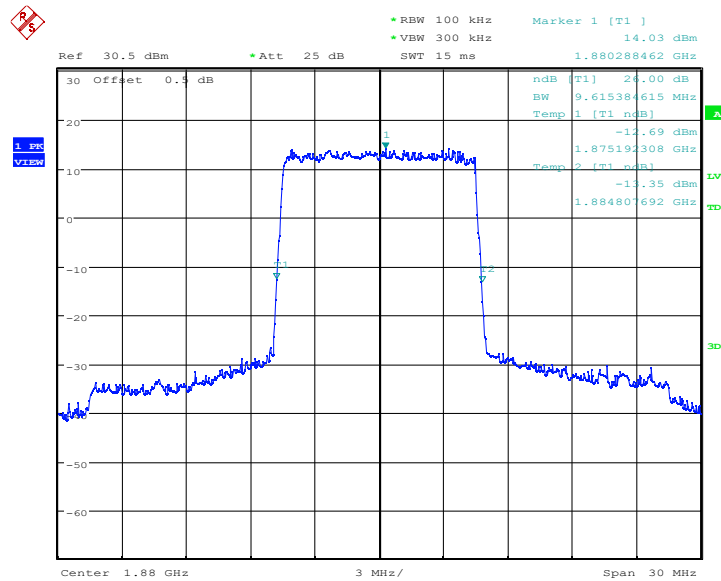
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LTE band 2 , 10MHz Bandwidth,QPSK (-26dBc BW)



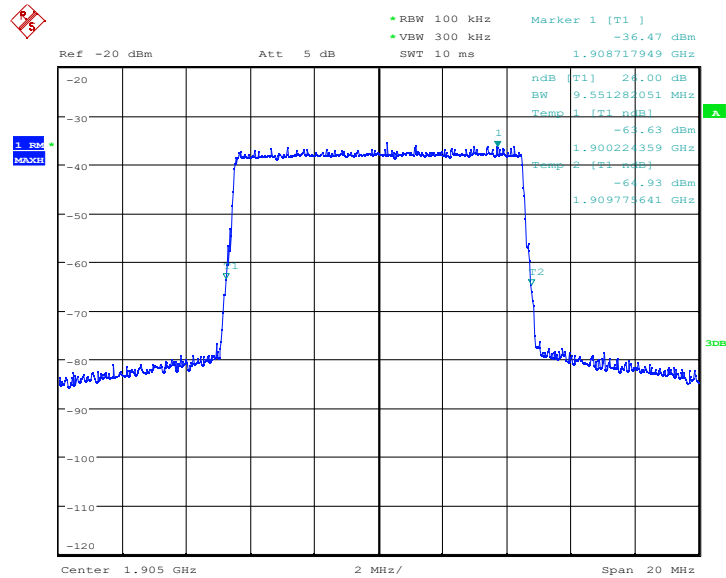
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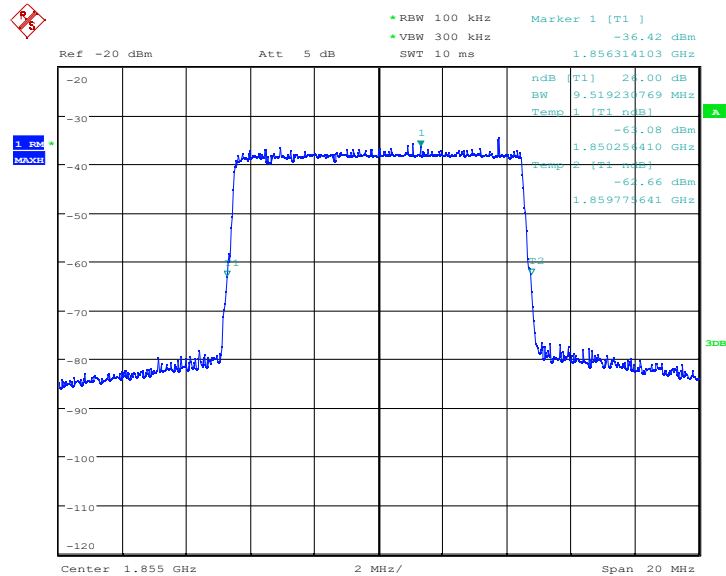
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Date: 21.JUL.2022 15:43:53

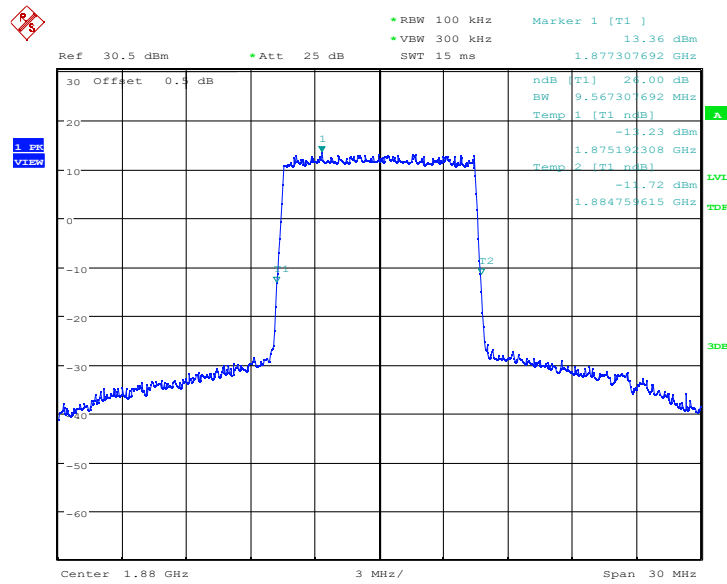
LTE band 2 , 10MHz Bandwidth,16QAM (-26dBc BW)



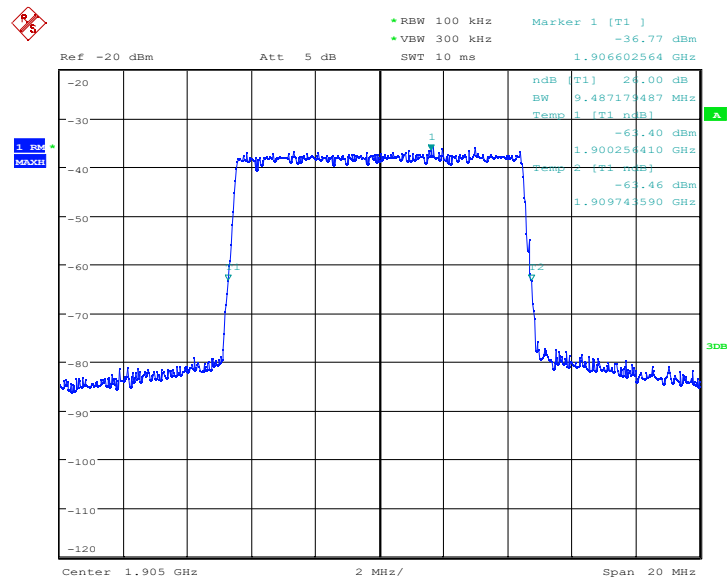
Date: 21.JUL.2022 15:35:40

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Date: 13.JUN.2022 23:11:04



Date: 21.JUL.2022 15:43:31

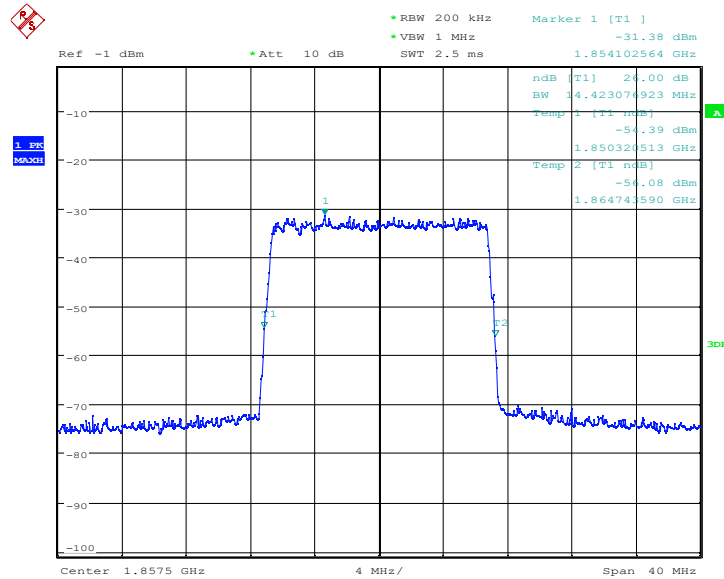
LTE band 2,15MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
1857.5	14.423	14.359
1880	14.495	14.495
1902.5	14.358	14.294

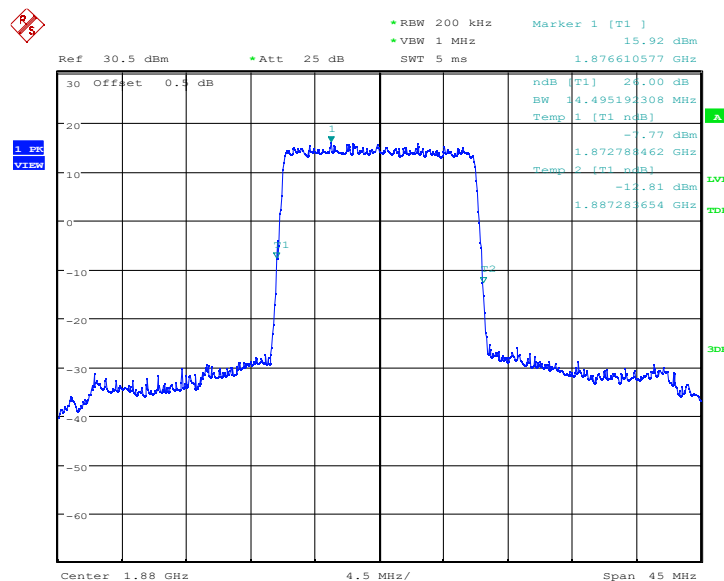
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LTE band 2 , 15MHz Bandwidth,QPSK (-26dBc BW)



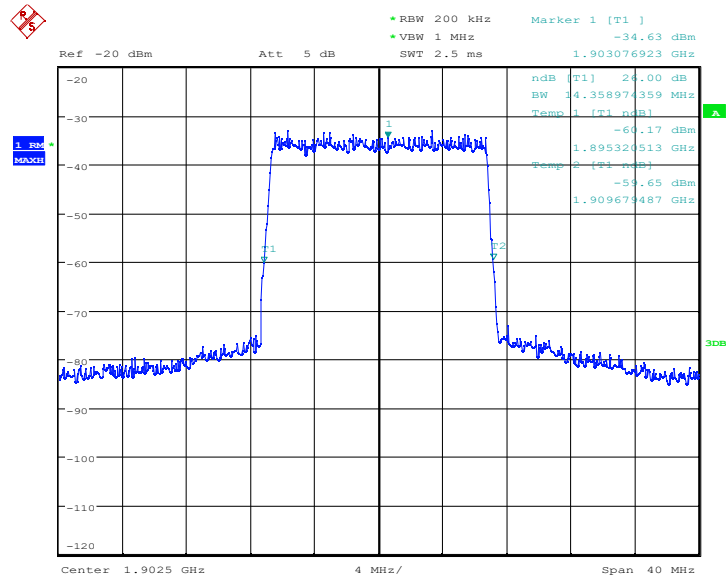
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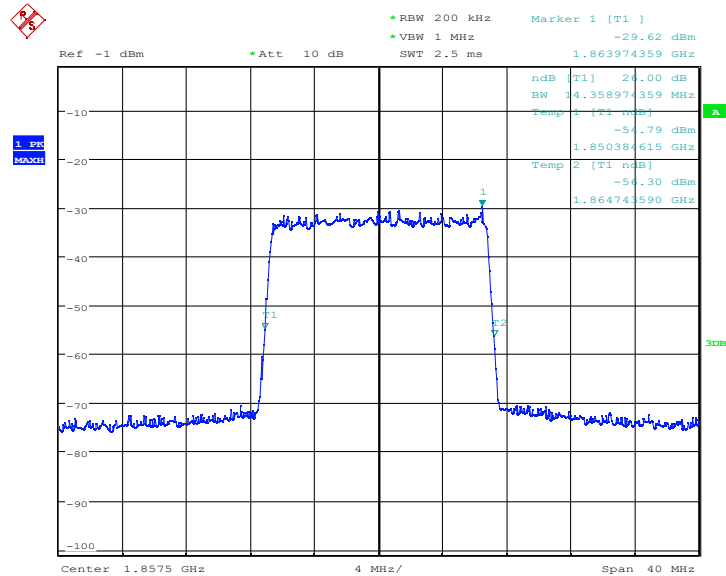
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Date: 21.JUL.2022 15:42:09

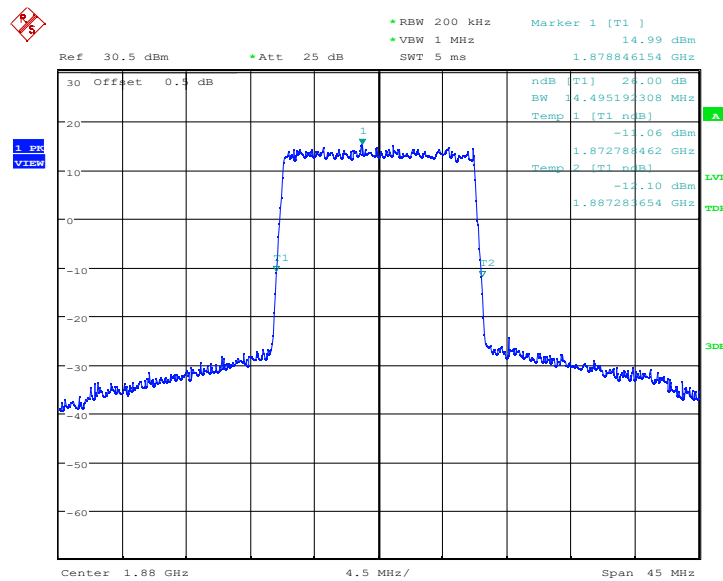
LTE band 2 , 15MHz Bandwidth,16QAM (-26dBc BW)



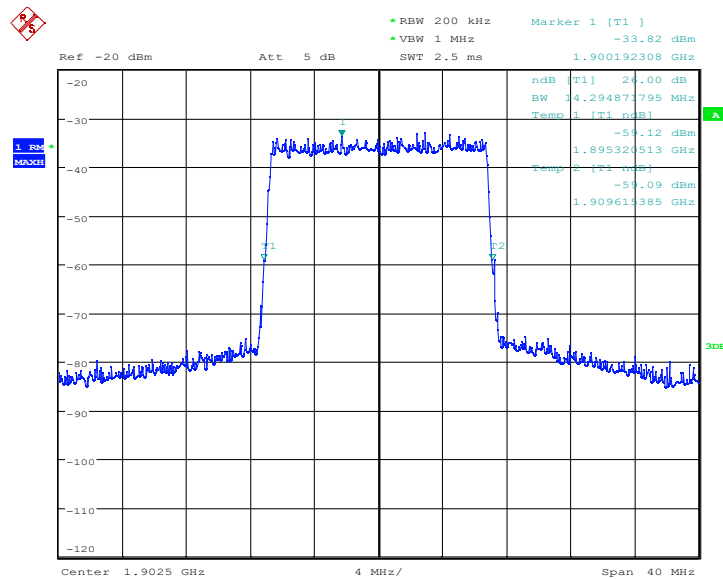
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Date: 13.JUN.2022 23:12:03



Date: 21.JUL.2022 15:41:54

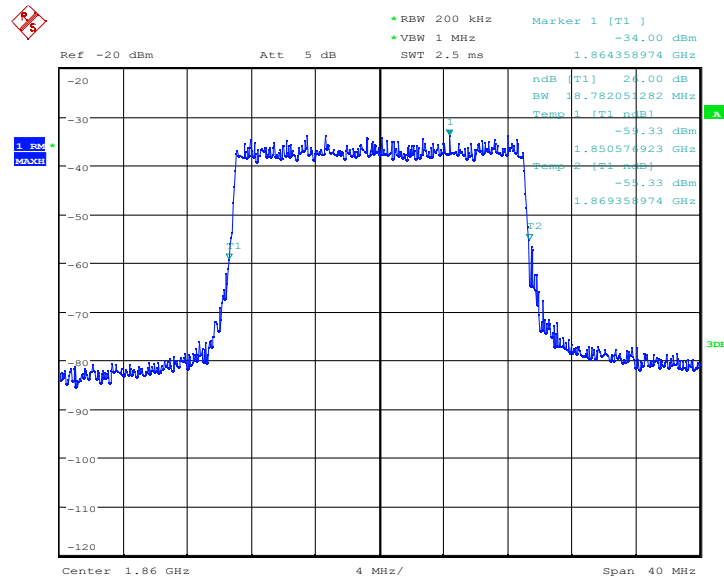
LTE band 2,20MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
1860	18.782	19.230
1880	19.231	19.423
1900	19.102	18.910

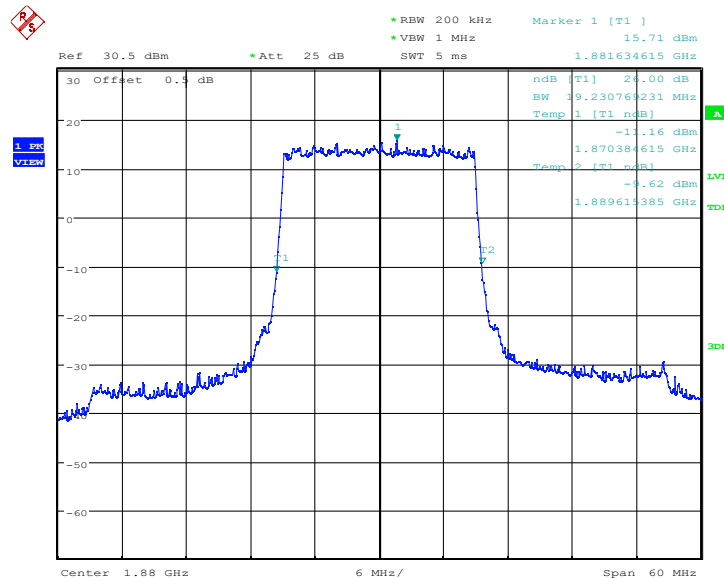
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LTE band 2 , 20MHz Bandwidth,QPSK (-26dBc BW)



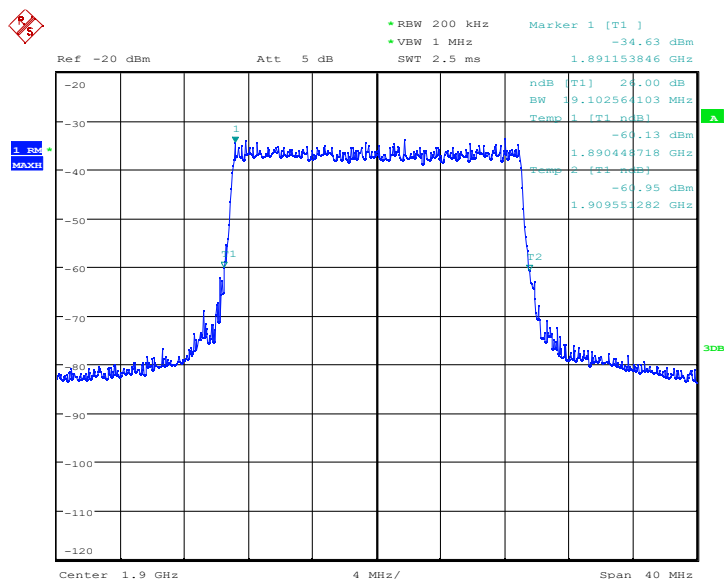
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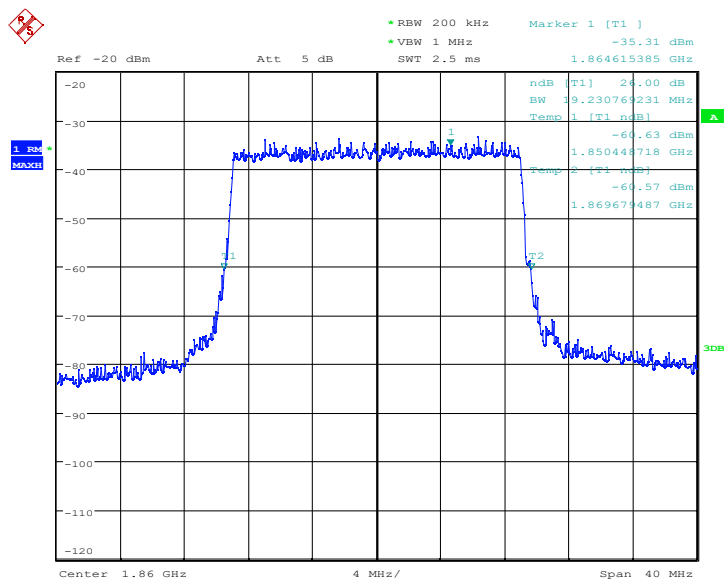
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Date: 21.JUL.2022 15:40:44

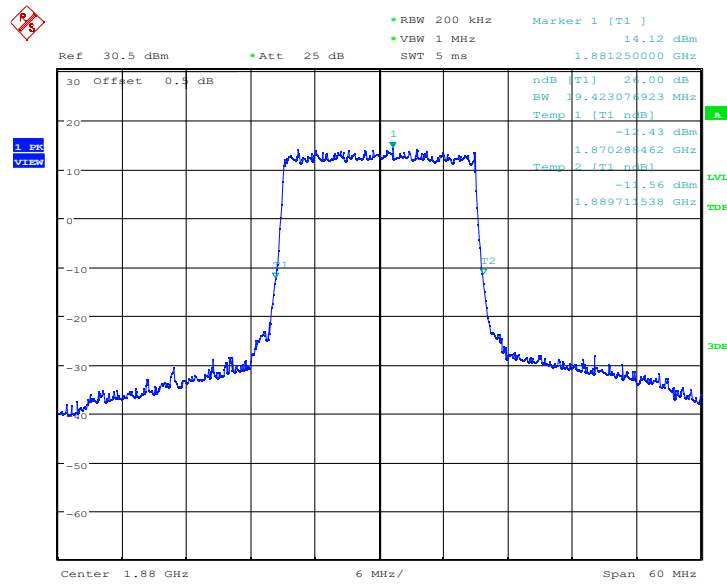
LTE band 2 , 20MHz Bandwidth,16QAM (-26dBc BW)



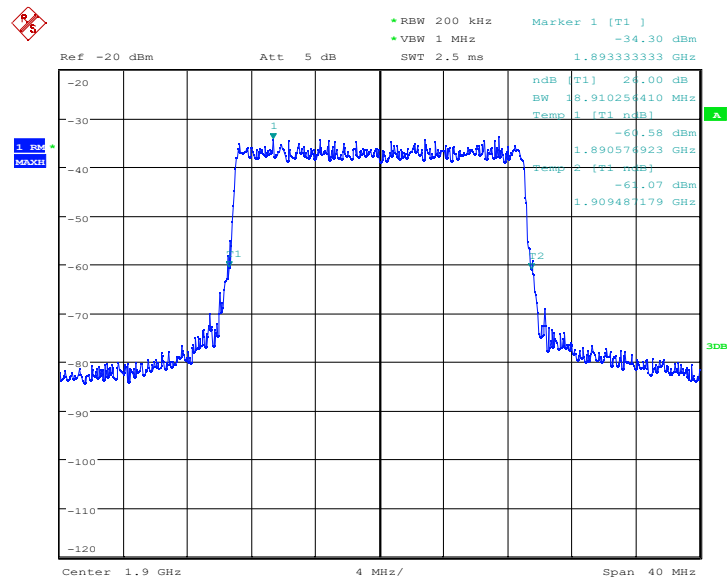
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Date: 13.JUN.2022 23:12:59



Date: 21.JUL.2022 15:40:27

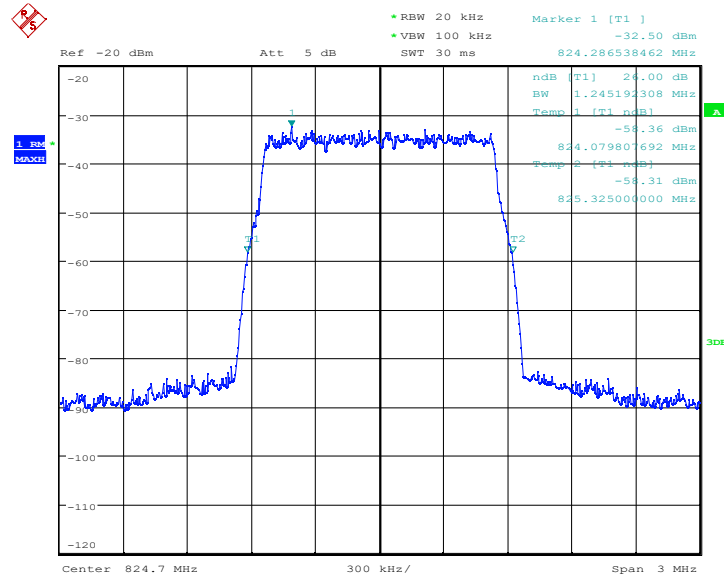
LTE band 5,1.4MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
824.7	1.245	1.250
836.5	1.252	1.259
848.3	1.245	1.254

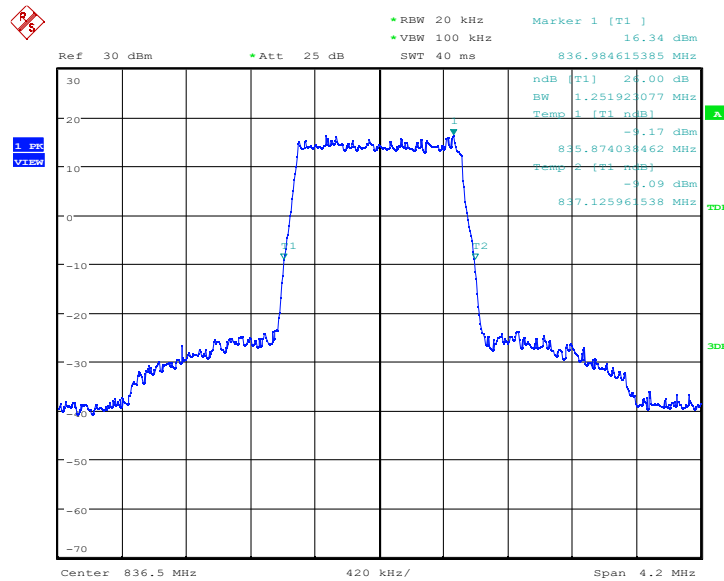
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LTE band 5 , 1.4MHz Bandwidth,QPSK (-26dBc BW)



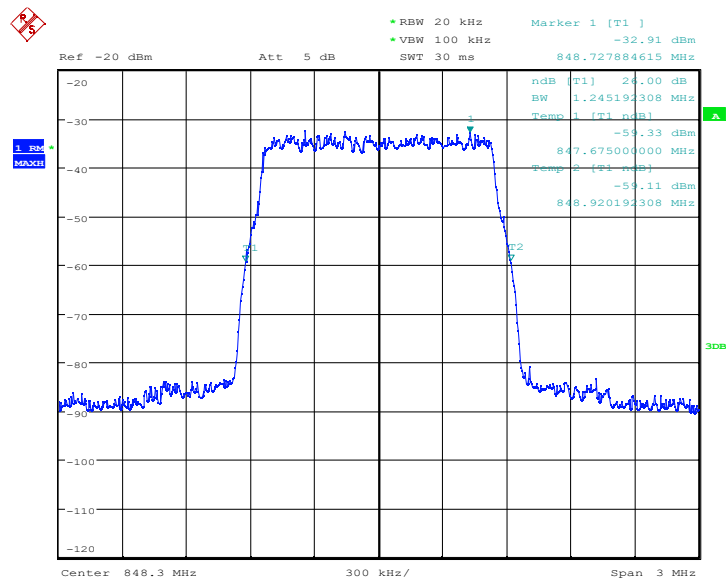
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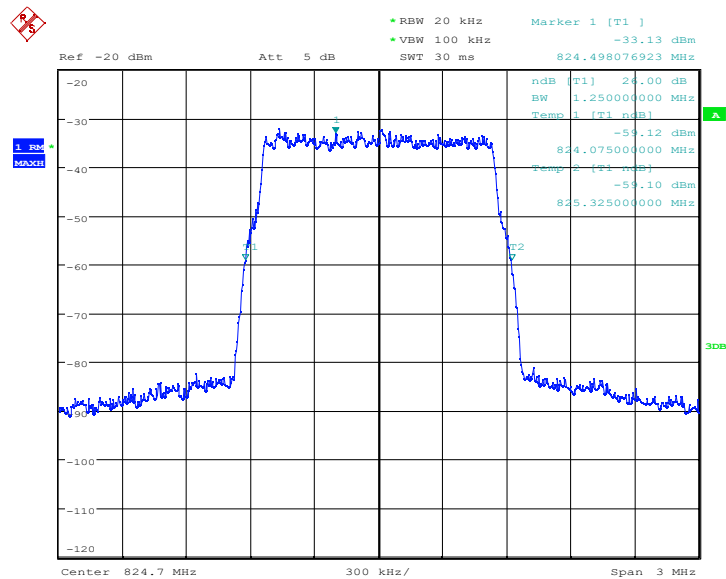
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Date: 21.JUL.2022 16:08:41

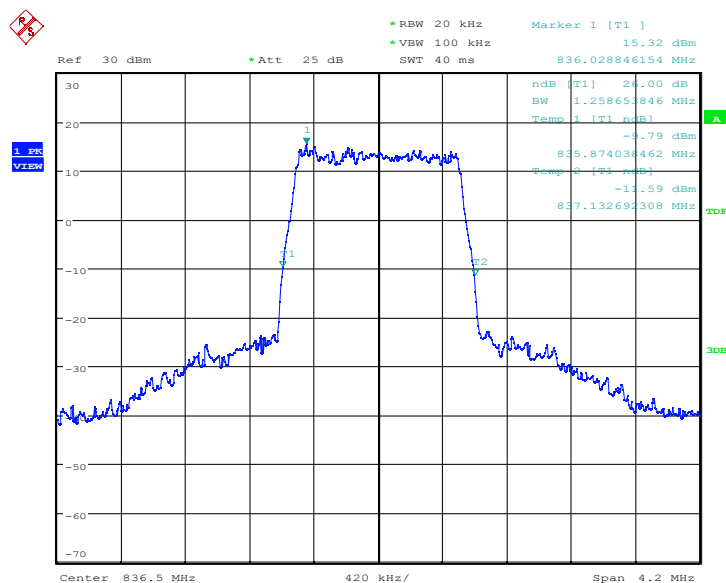
LTE band 5 , 1.4MHz Bandwidth,16QAM (-26dBc BW)



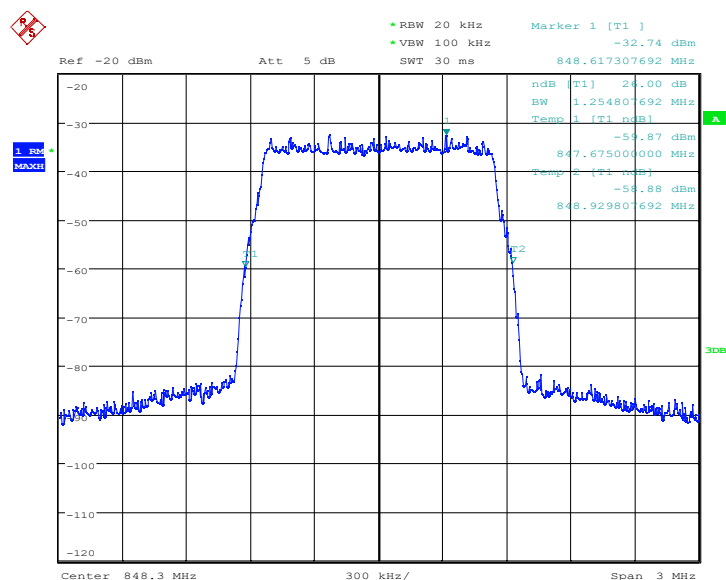
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Date: 13.JUN.2022 23:14:22



Date: 21.JUL.2022 16:08:21

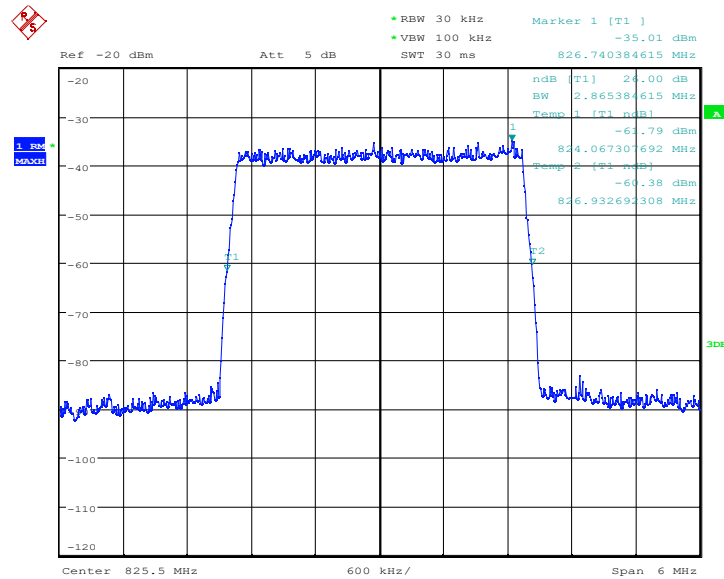
LTE band 5,3MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
825.5	2.865	2.884
836.5	2.885	2.899
847.5	2.875	2.875

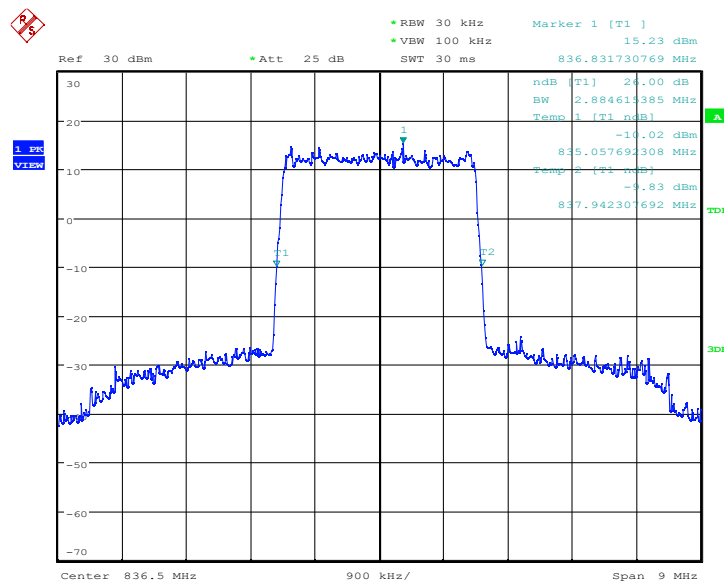
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LTE band 5 , 3MHz Bandwidth,QPSK (-26dBc BW)



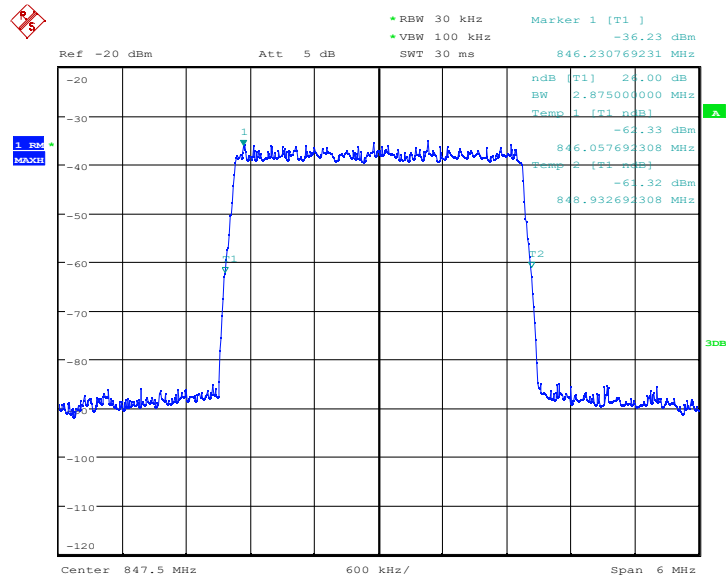
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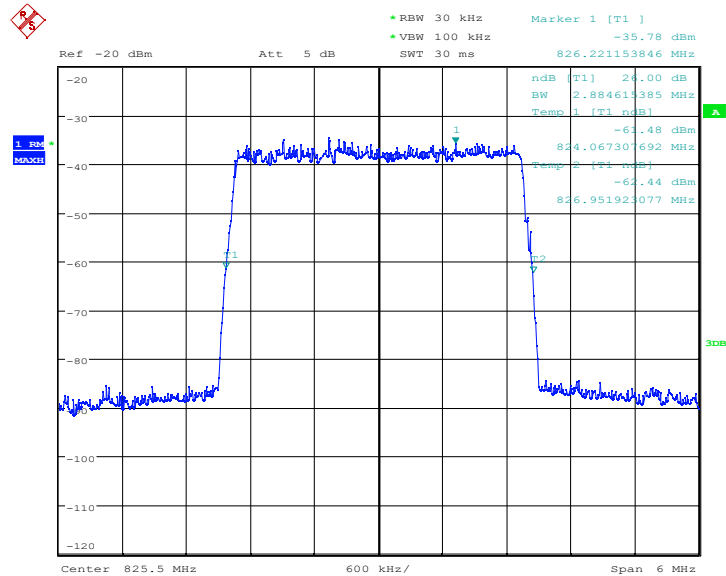
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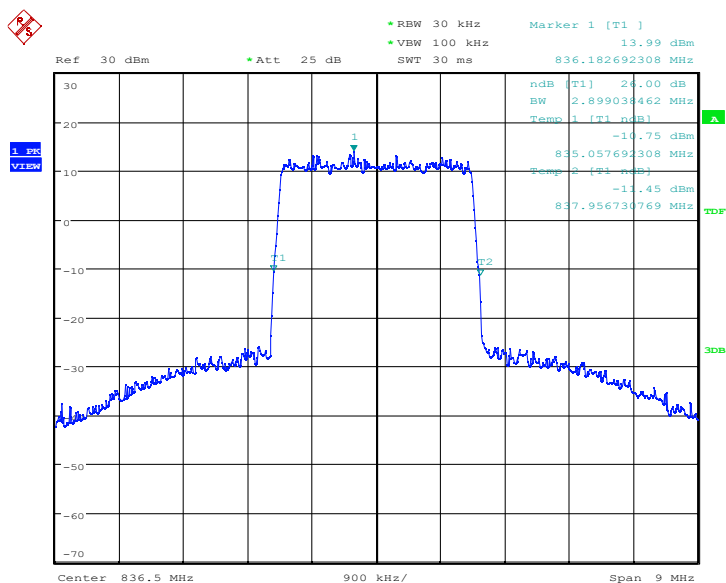
LTE band 5 , 3MHz Bandwidth,16QAM (-26dBc BW)



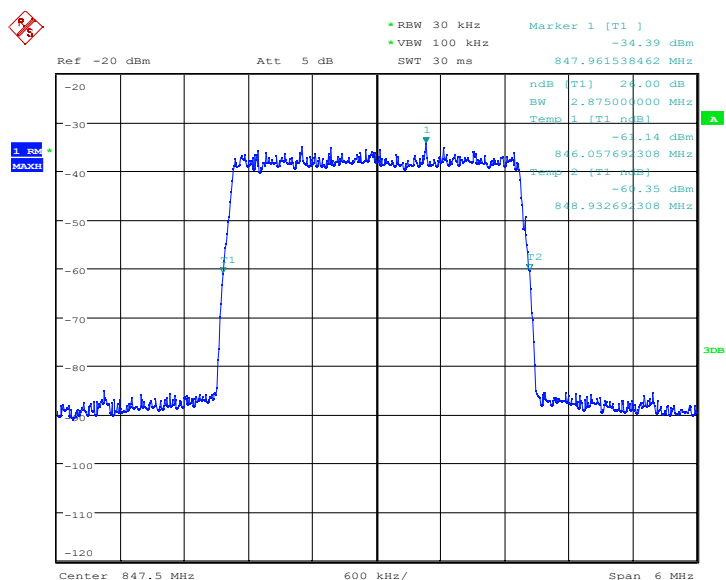
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Date: 13.JUN.2022 23:15:20



Date: 21.JUL.2022 16:06:58

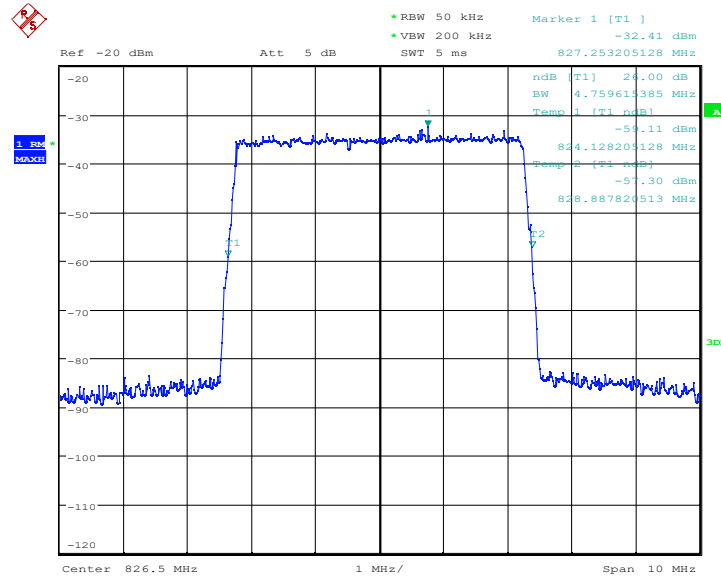
LTE band 5,5MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
826.5	4.760	4.775
836.5	4.784	4.784
846.5	4.791	4.791

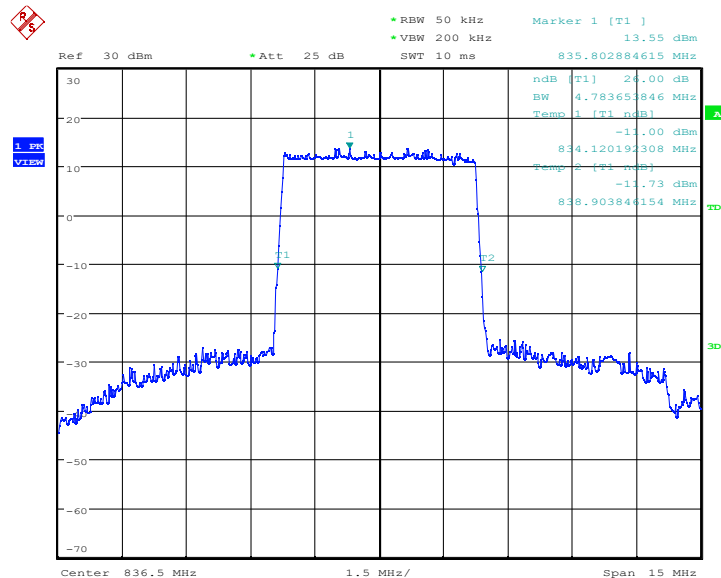
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LTE band 5 , 5MHz Bandwidth,QPSK (-26dBc BW)



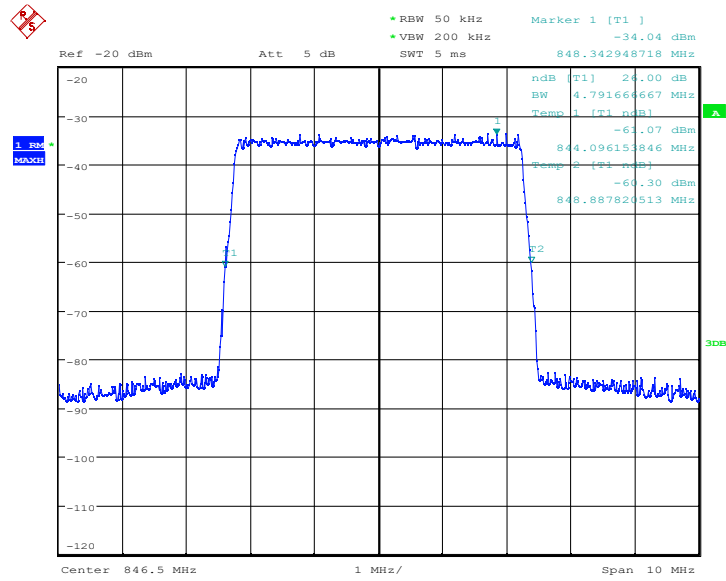
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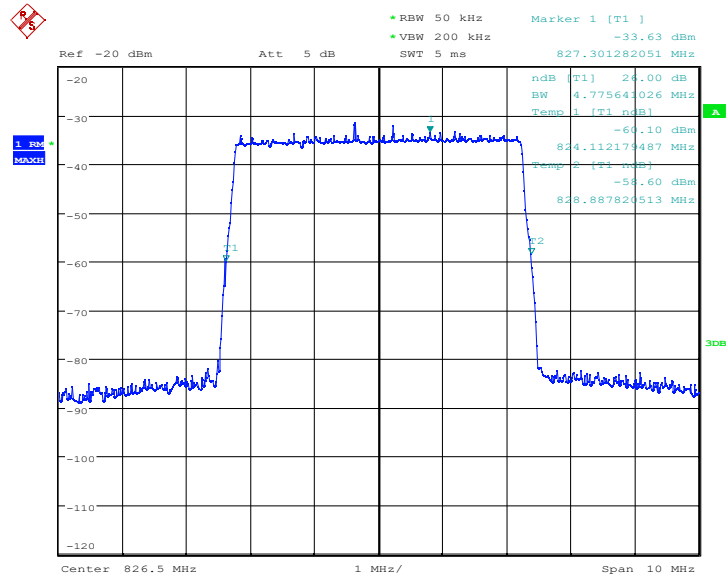
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Date: 21.JUL.2022 16:05:46

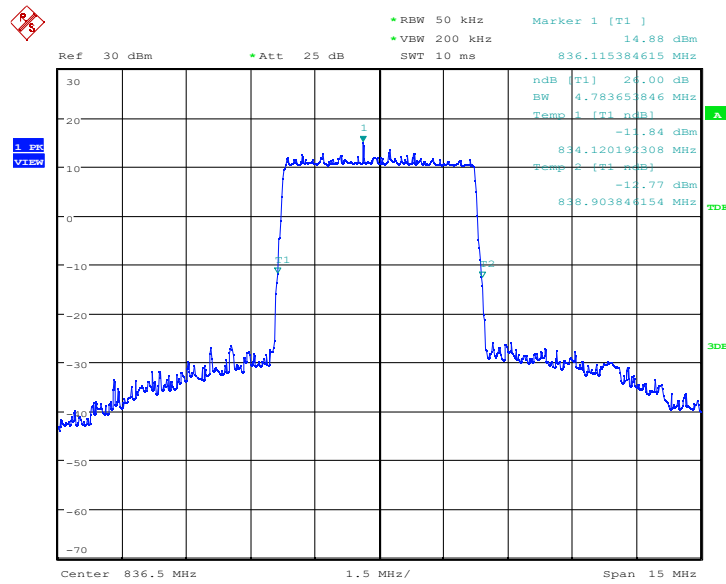
LTE band 5 , 5MHz Bandwidth,16QAM (-26dBc BW)



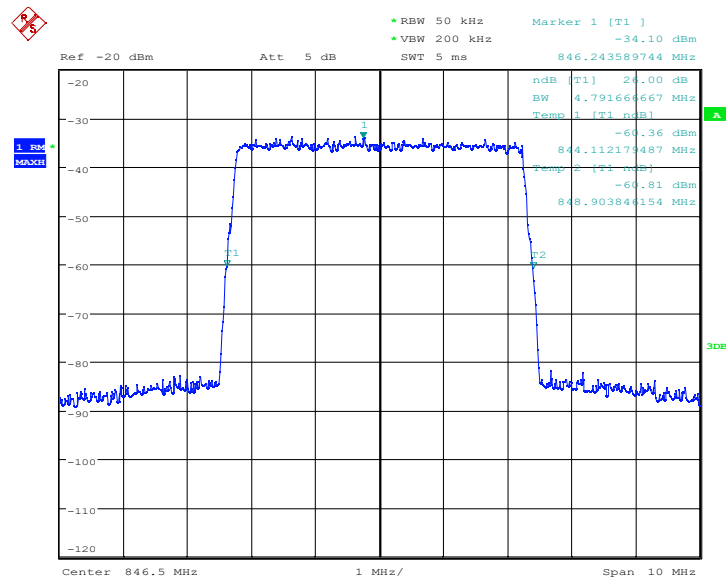
Date: 21.JUL.2022 15:56:03

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Date: 13.JUN.2022 23:16:08



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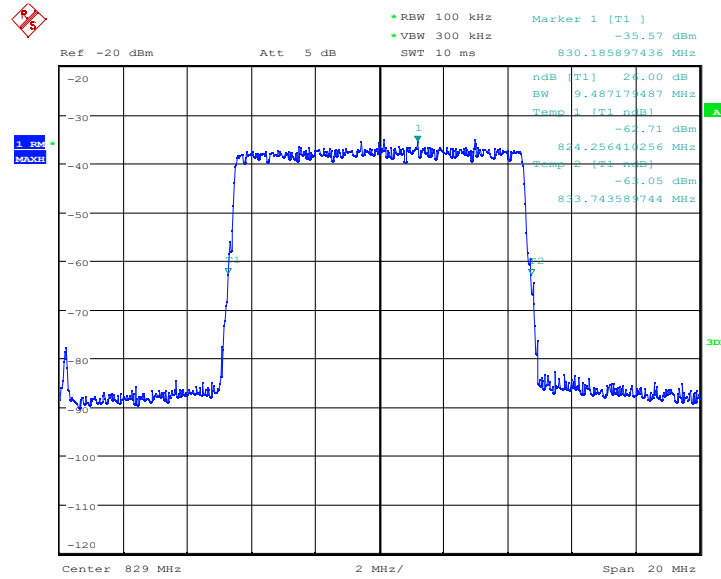
LTE band 5,10MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
829	9.487	9.487
836.5	9.567	9.567
844	9.455	9.423

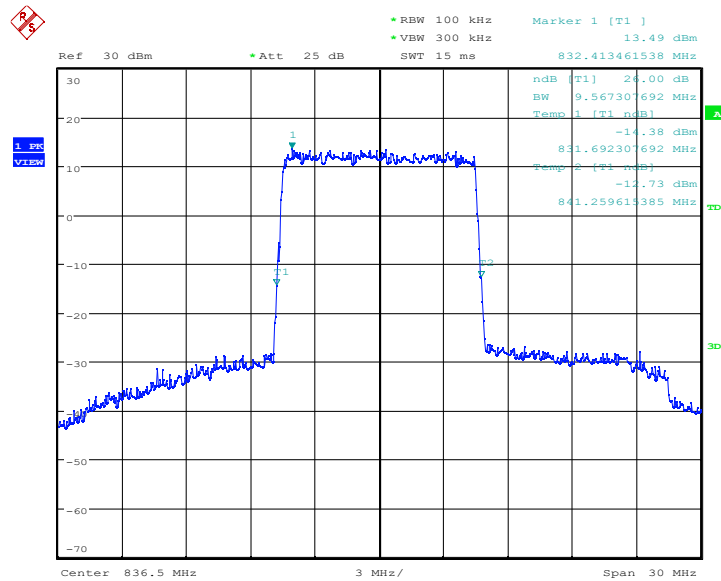
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LTE band 5 , 10MHz Bandwidth,QPSK (-26dBc BW)



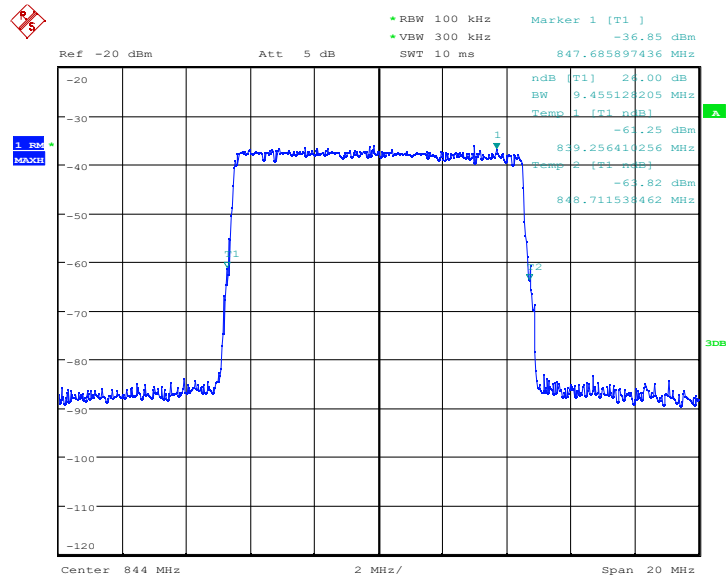
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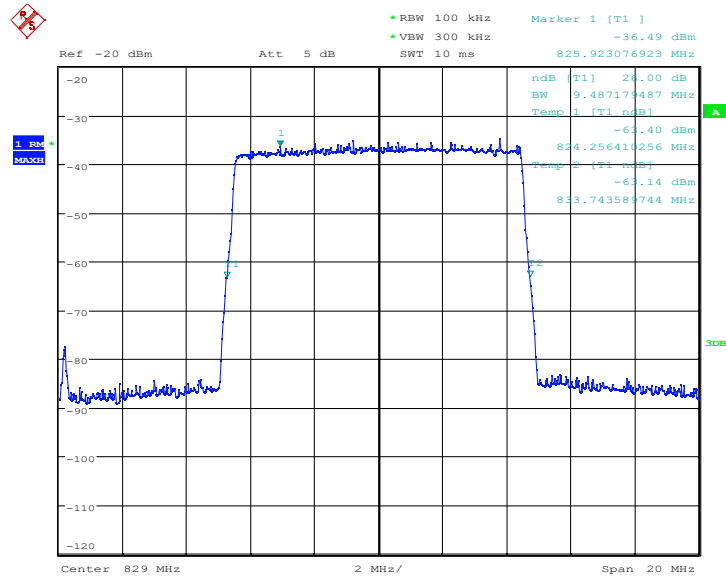
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Date: 21.JUL.2022 16:04:09

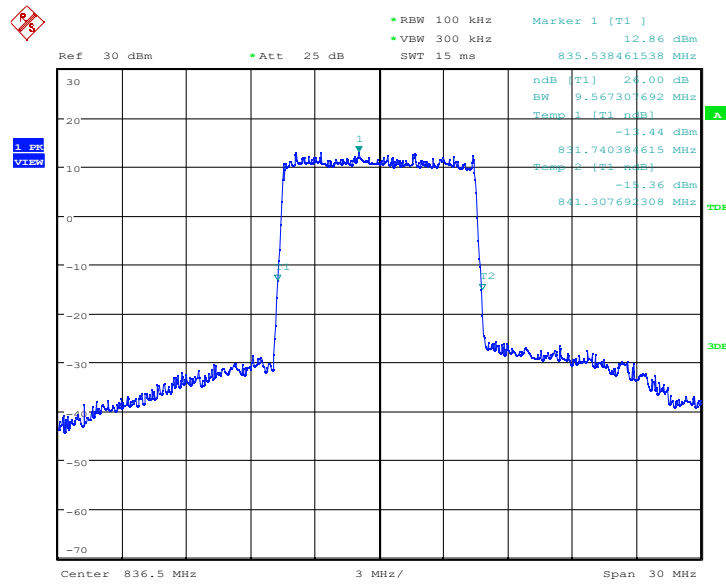
LTE band 5 , 10MHz Bandwidth,16QAM (-26dBc BW)



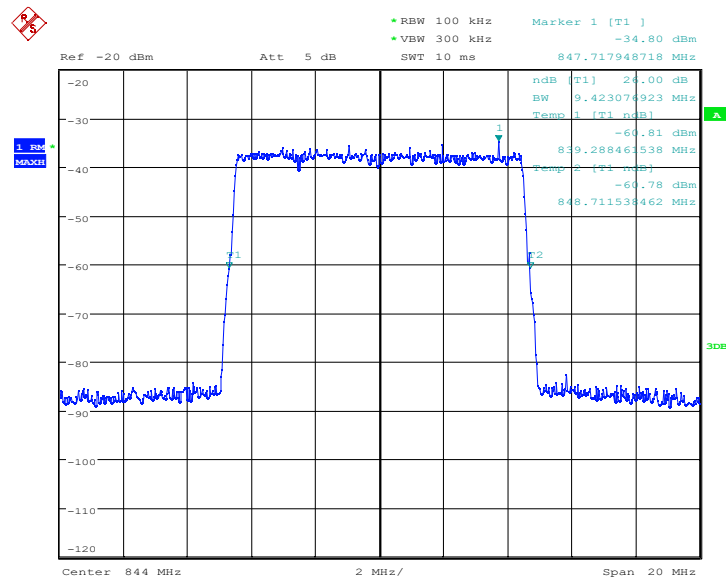
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Date: 13.JUN.2022 23:17:03



Date: 21.JUL.2022 16:03:52

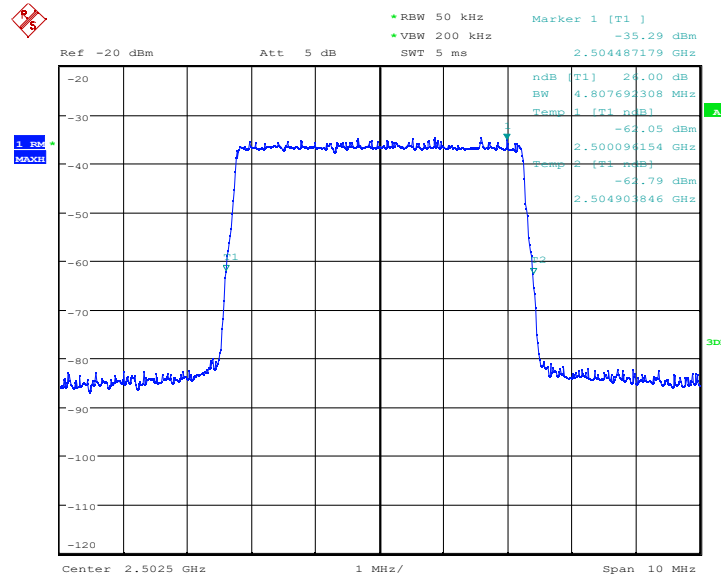
LTE band 7,5MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
2502.5	4.808	4.808
2535	4.808	4.784
2567.5	4.775	4.775

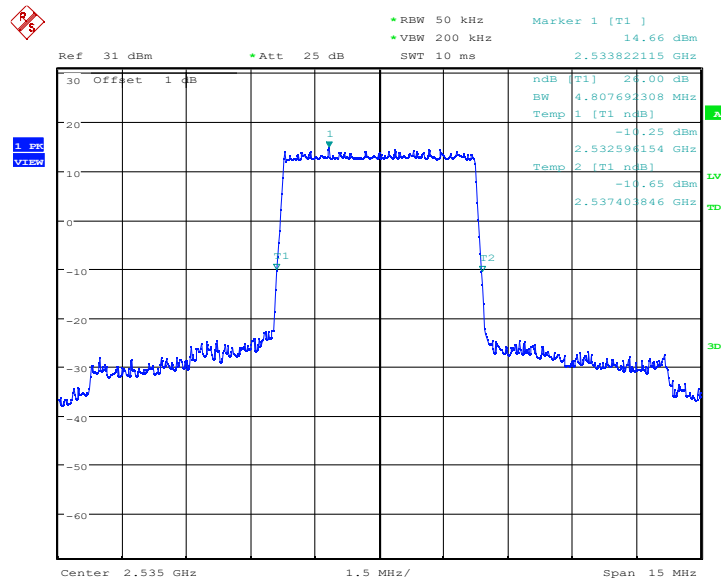
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LTE band 7 , 5MHz Bandwidth,QPSK (-26dBc BW)



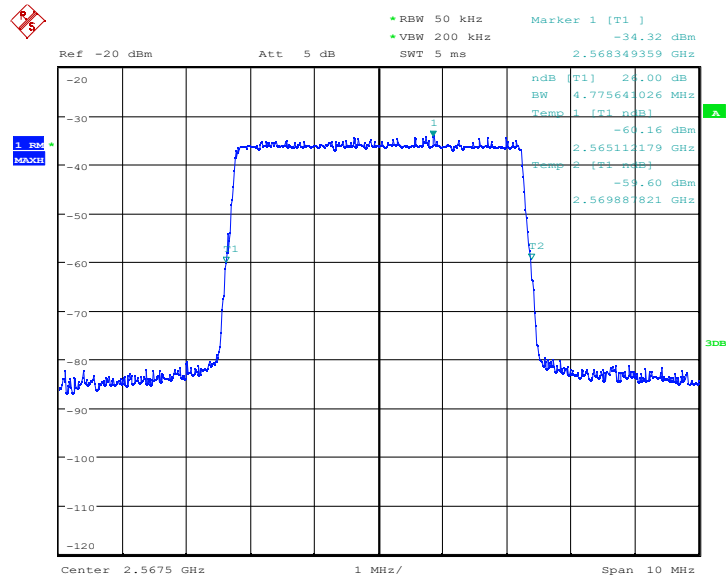
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Date: 13.JUN.2022 23:17:38

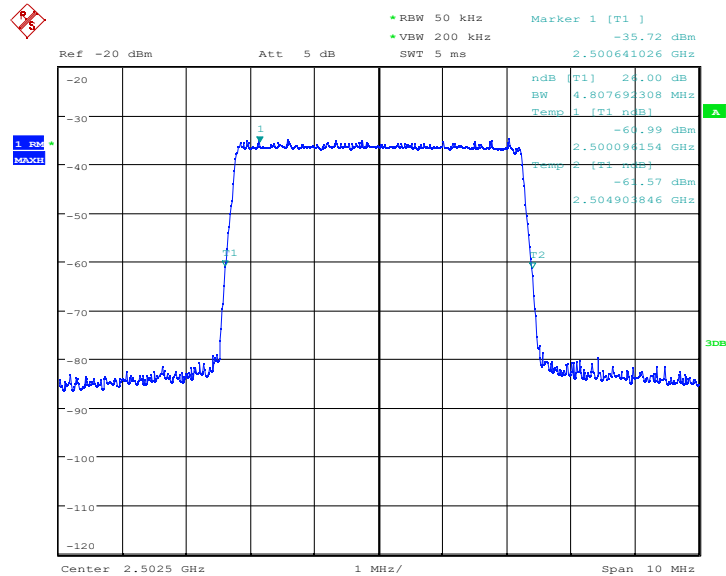
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Date: 21.JUL.2022 16:39:26

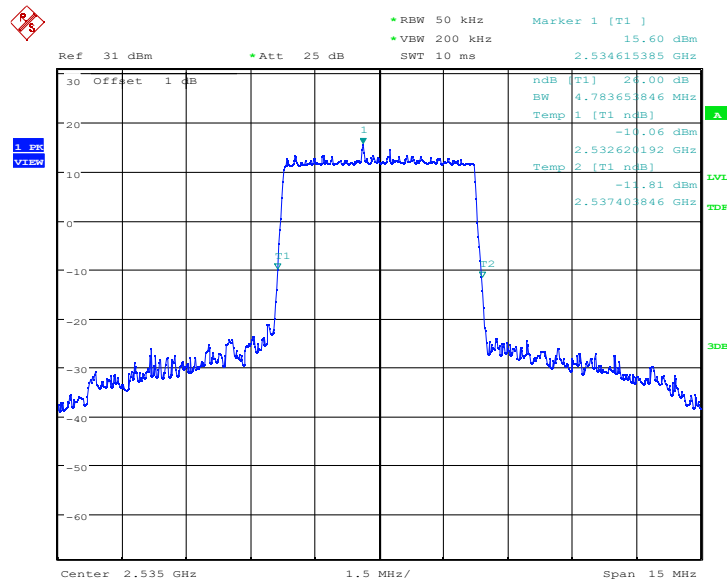
LTE band 7 , 5MHz Bandwidth,16QAM (-26dBc BW)



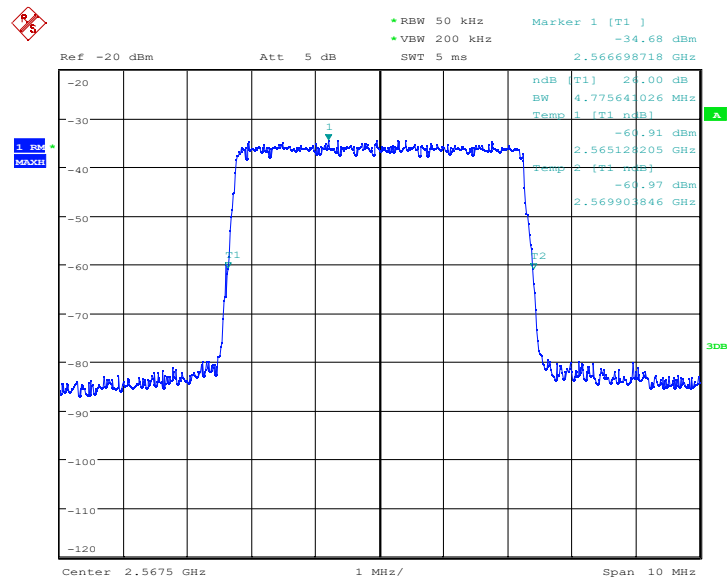
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Date: 13.JUN.2022 23:17:59



Date: 21.JUL.2022 16:39:02

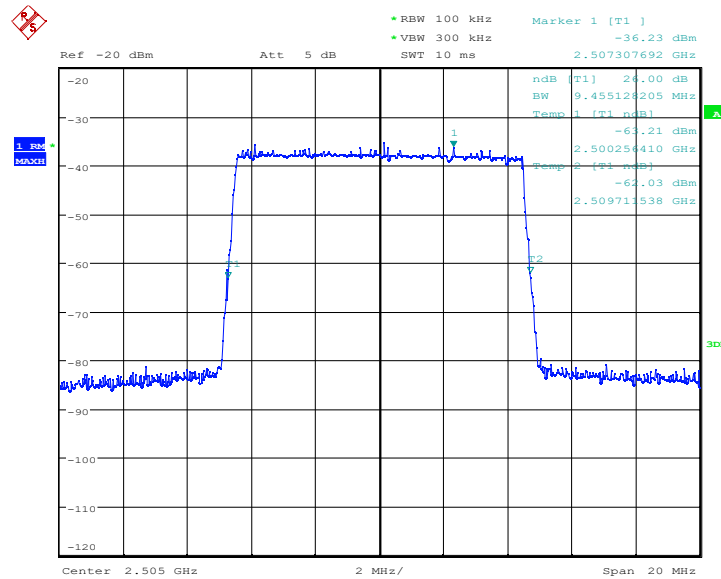
LTE band 7,10MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
2505	9.455	9.455
2535	9.615	9.519
2565	9.487	9.455

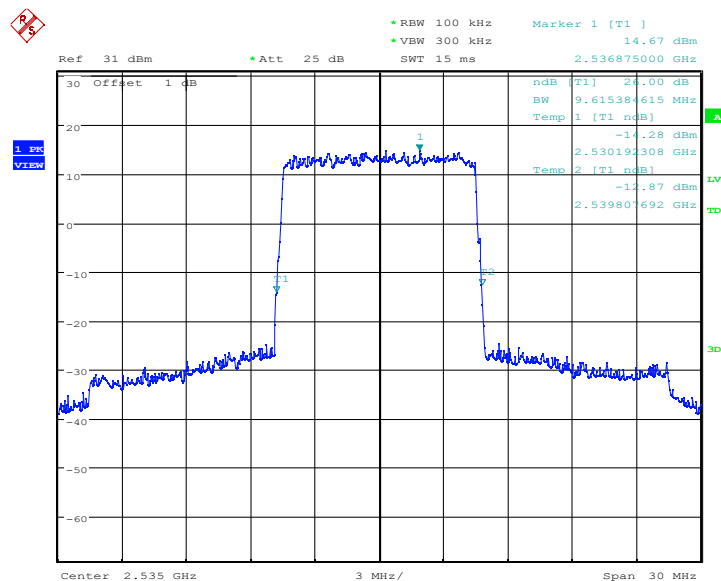
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LTE band 7 , 10MHz Bandwidth,QPSK (-26dBc BW)



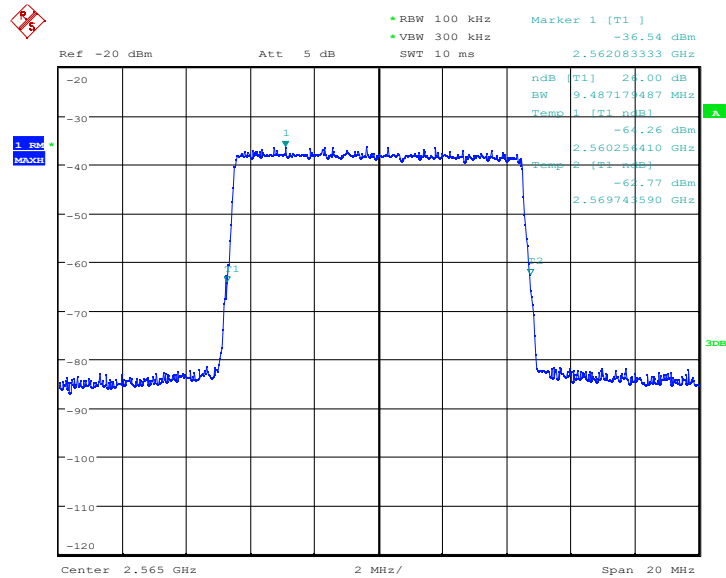
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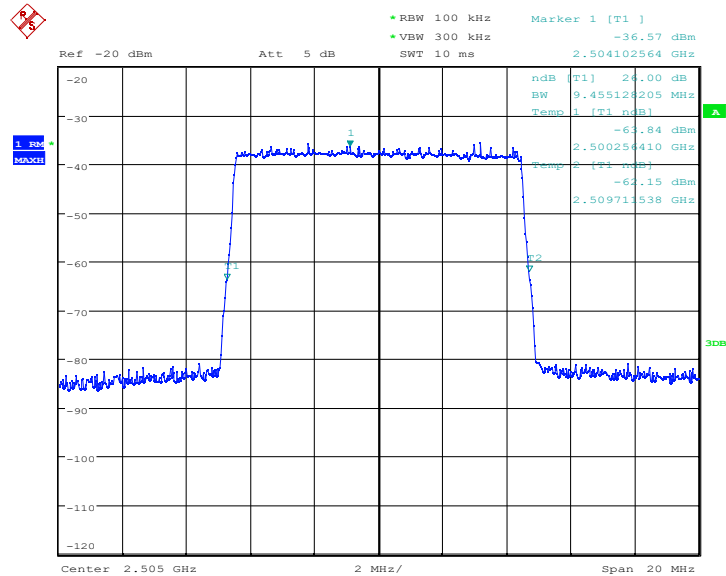
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Date: 21.JUL.2022 16:37:48

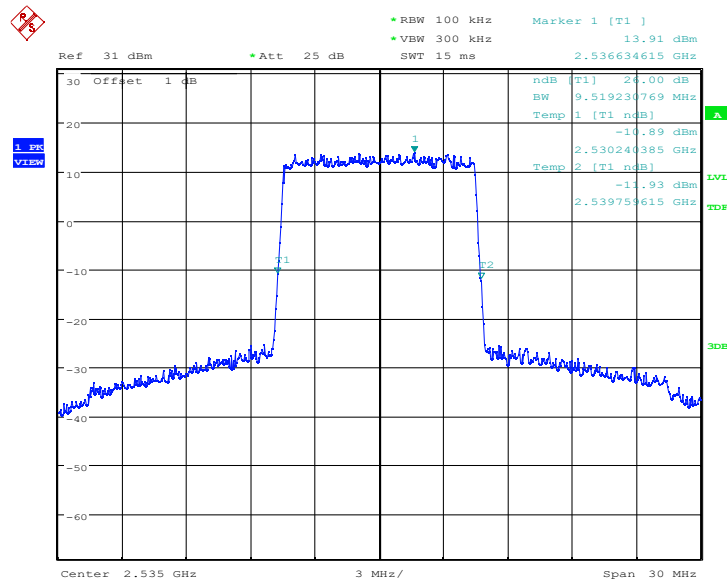
LTE band 7 , 10MHz Bandwidth,16QAM (-26dBc BW)



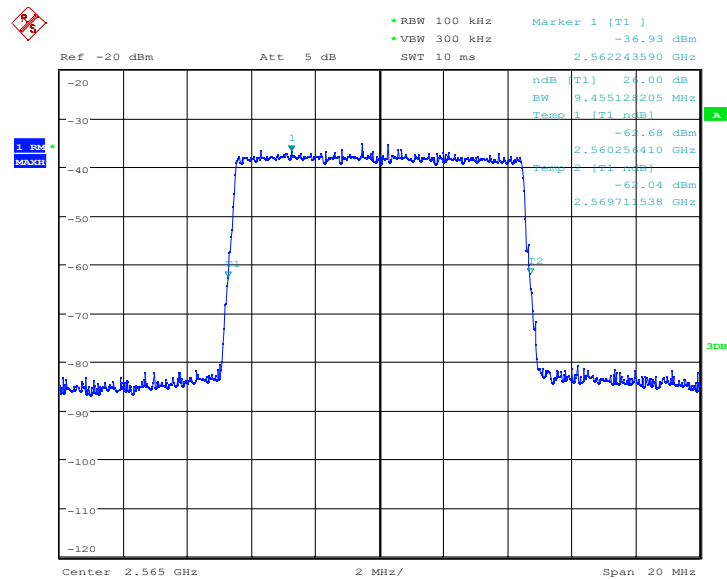
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Date: 13.JUN.2022 23:19:06



Date: 21.JUL.2022 16:37:30

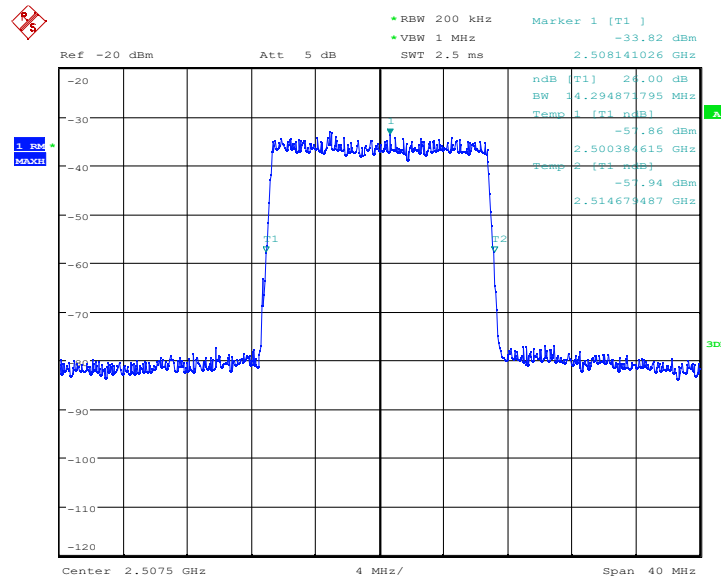
LTE band 7,15MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
2507.5	14.294	14.358
2535	14.423	14.495
2562.5	14.294	14.358

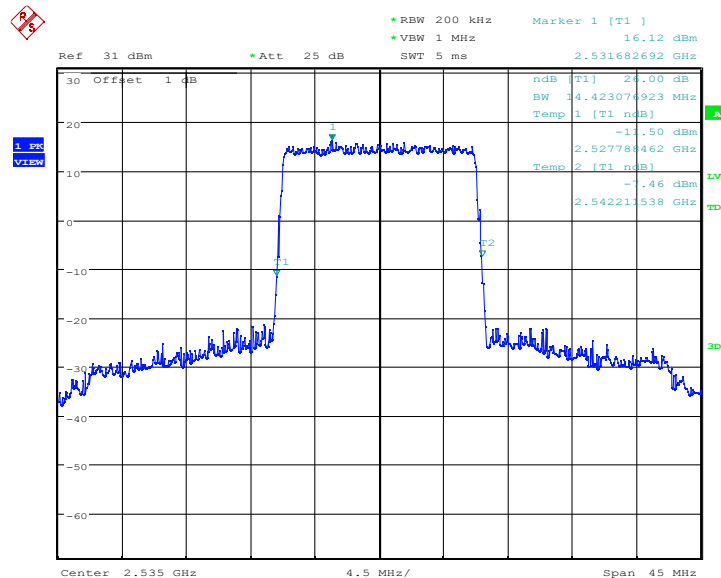
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LTE band 7 , 15MHz Bandwidth,QPSK (-26dBc BW)



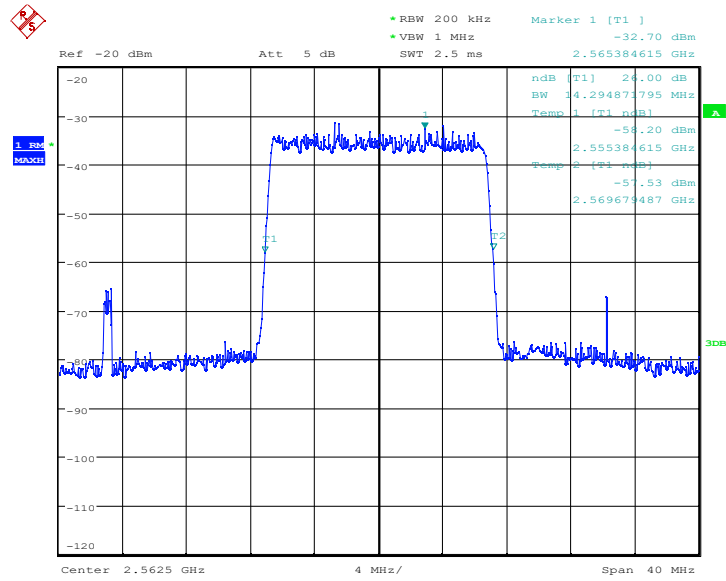
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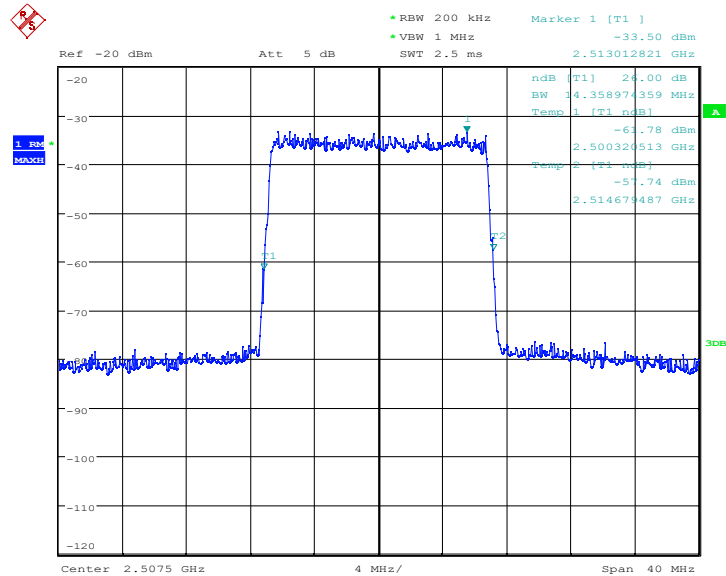
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Date: 21.JUL.2022 16:35:28

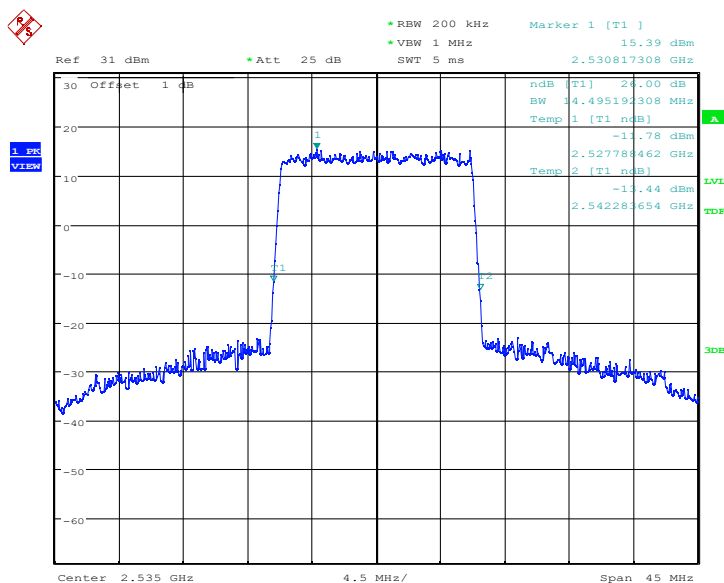
LTE band 7 , 15MHz Bandwidth,16QAM (-26dBc BW)



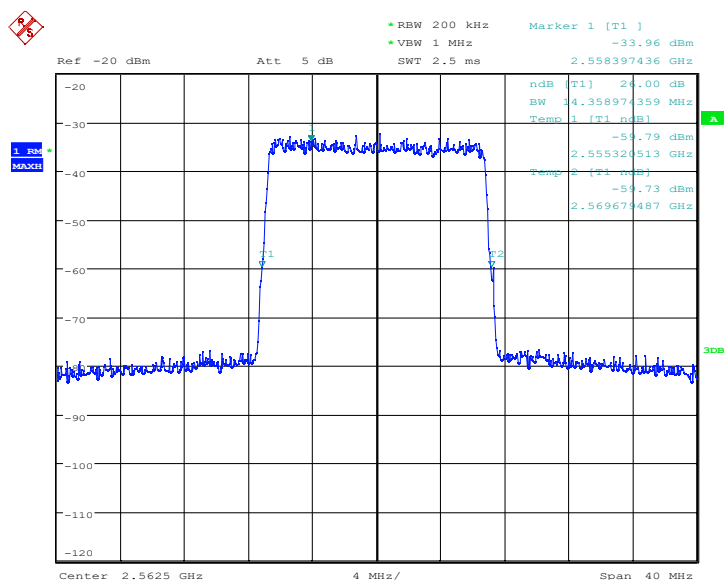
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Date: 13.JUN.2022 23:19:59



Date: 21.JUL.2022 16:35:51

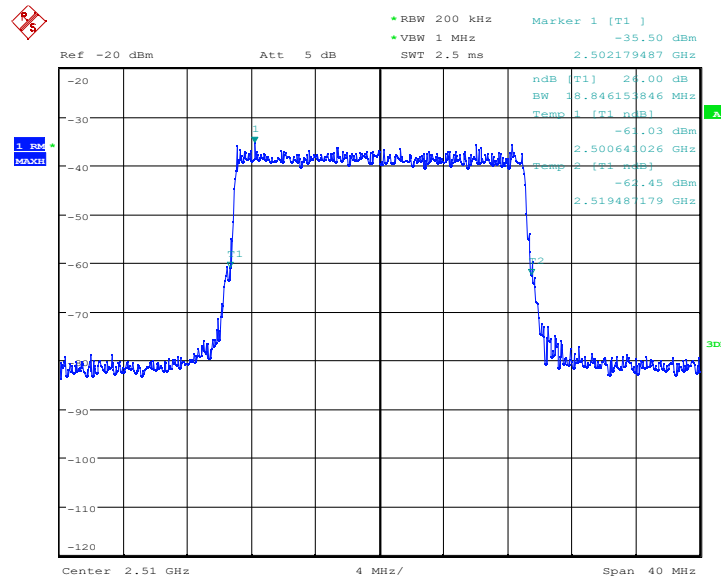
LTE band 7,20MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
2510	18.846	19.166
2535	19.231	19.423
2560	19.038	18.974

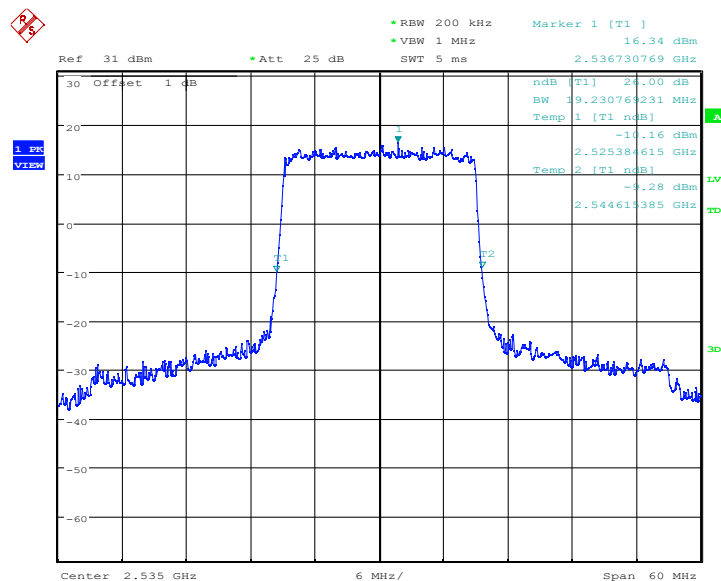
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LTE band 7 , 20MHz Bandwidth,QPSK (-26dBc BW)



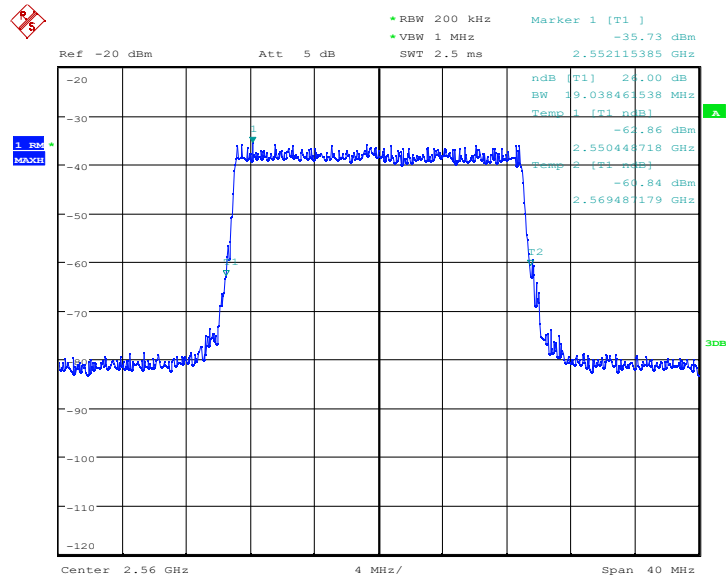
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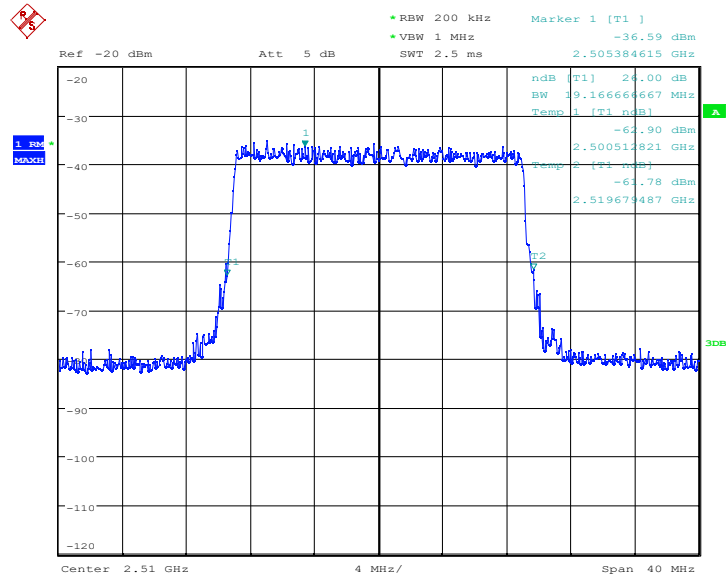
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LTE band 7 , 20MHz Bandwidth,16QAM (-26dBc BW)



Date: 21.JUL.2022 16:32:38

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