



TEST REPORT

REPORT NUMBER: I22W00018-LTE RF-Rev5

ON

Type of Equipment: 4G Module
Type of Designation: SIM7912A
Brand Name: SIMCom
Manufacturer: SIMCom Wireless Solutions Limited
FCC ID: 2AJYU-8XM0001

ACCORDING TO

FCC CFR Part 2, FREQUENCY ALLOCATIONS AND RADIO TREATY MATTERS;
GENERAL RULES AND REGULATIONS, e-CFR, 2020
PART 22, PUBLIC MOBILE SERVICES, e-CFR, 2020
PART 24, PERSONAL COMMUNICATIONS SERVICES, e-CFR, 2020
PART 27, MISCELLANEOUS WIRELESS COMMUNICATIONS SERVICES, e-CFR, 2020
PART 90, PRIVATE LAND MOBILE RADIO SERVICES, e-CFR, 2020
ANSI C63.26-2015

Chongqing Academy of Information and Communications Technology

Month date, year

Aug, 05, 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.: I22W00018-LTE RF-Rev5

Revision Version

Report Number	Revision	Date	Memo
I22W00018-LTE RF	00	2022-05-18	Initial creation of test report
I22W00018-LTE RF-Rev1	01	2022-05-31	First change of test report
I22W00018-LTE RF-Rev2	02	2022-07-15	Second change of test report
I22W00018-LTE RF-Rev3	03	2022-07-28	Third change of test report
I22W00018-LTE RF-Rev4	04	2022-08-02	Fourth change of test report
I22W00018-LTE RF-Rev5	05	2022-08-05	Fifth change 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:	Building C, Technology Innovation Center, No.8, Yuma Road, Chayuan New Area, Nan'an District, Chongqing, People's Republic of China
	No.19 East Road, Xiantao Big-data Valley, Yubei District, Chongqing, People's Republic of China
Postal Code:	401336
Telephone:	0086-23-88069965
Fax:	0086-23-88608777

1.2. Testing Environment

Normal Temperature:	15-35°C
Relative Humidity:	30-60%

1.3. Project data

Testing Start Date:	2022-03-05
Testing End Date:	2022-07-27

1.4. Signature



2022-08-05

Dong Junxin
(Prepared this test report)

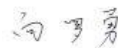
Date



2022-08-05

Li Xu
(Reviewed this test report)

Date



2022-08-05

Xiang Luo Yong
Director of the laboratory
(Approved this test report)

Date

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2. Client Information

2.1. Applicant Information

Company Name:	SIMCom Wireless Solutions Limited
Address /Post:	SIMCom Headquarters Building, Building 3, No.289 Linhong Road, Changning District, Shanghai, China
City:	Shanghai
Country:	China
Telephone:	86-2131575100
Fax:	--
Email:	Yongsheng Li@simcom.com
Contact Person:	Yongsheng Li

2.2. Manufacturer Information

Company Name:	SIMCom Wireless Solutions Limited
Address /Post:	SIMCom Headquarters Building, Building 3, No.289 Linhong Road, Changning District, Shanghai, China
City:	Shanghai
Country:	China
Telephone:	86-2131575100
Fax:	--
Email:	Yongsheng Li@simcom.com
Contact Person:	Yongsheng Li

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

3.1. About EUT

EUT Description	4G Module
Model name	SIM7912A
Brand name	SIMCom
LTE Frequency Band	2/4/5/7/12/13/14/17/25/26/41/66/71
LTE_CA Frequency Band	CA_7C/41C
WCDMA Frequency Band	2/4/5
Type of modulation	QPSK/16QAM/64QAM
Extreme Temperature	-10/+55°C
Nominal Voltage	3.8
Extreme High Voltage	4.2
Extreme Low Voltage	3.4

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

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

3.2. Internal Identification of EUT used during the test

EUT ID	SN or IMEI	HW Version	SW Version	Date of receipt
S1	IMEI:864542050016092	V1.02	--	2022-03-02
S5	IMEI:864542050016050	V1.02	--	2022-03-02
S6	IMEI:864542050016100	V1.02	--	2022-03-02

*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
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 – 1910	1930 – 1990	--
	B4	1710 – 1755	2110 – 2155	--
	B5	824 – 849	869 – 894	--
	B7	2500-2570	2620-2690	--
	B12	699-716	729-746	--
	B13	777-787	746-756	--
	B14	788-798	758-768	--
	B17	704-716	734-746	--
	B25	1850-1915	1930-1995	--
	B26 Part22	824-849	869-894	--
	B26 Part90	814-824	859-869	--
	B41	2496-2690	2496-2690	--
	B66	1710-1780	2110-2200	--
	B71	663-698	617-652	--
LTE_CA	B7	2500-2570	2620-2690	--
	B41	2496-2690	2496-2690	--

3.4. Internal Identification of AE used during the test

AE ID*	Description	dB*
AE1	--	$\leq 1\text{GHz}$: 0.5 $1\text{GHz}-2\text{GHz}$: 1.2 $\geq 2\text{GHz}$: 1.5

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

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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	2020
PART 22	PUBLIC MOBILE SERVICES	2020
PART 24	PERSONAL COMMUNICATIONS SERVICES, e-CFR	2020
PART 27	MISCELLANEOUS WIRELESS COMMUNICATIONS SERVICES, e-CFR	2020
PART 90	PRIVATE LAND MOBILE RADIO SERVICES, e-CFR,	2020
ANSI C63.26	American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services	2015

5. Test Equipments Utilized

5.1. RF Test System

No.	Equipment	Model	SN	HW Version	SW Version	Manufacture	Cal.Due Date
1	spectrum analyzer	FSQ 26	201137/026	--	--	R&S	2023-06-29
2	DC Power Supply	N6705B	MY50000919	--	--	Agilent	2023-06-29
3	Universal Radio Communication Tester	CMW500	152395	--	--	R&S	2023-06-29
4	spectrum analyzer	N9030B	MY57140708	--	--	KEYSIGHT	2022-08-15
5	Universal Radio Communication Tester	CMW500	157398	--	--	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	Test Receiver	ESW 26	101382	00	1.50	R&S	2023-06-29
3	Ultra-wideband Log Periodic Antenna	VULB 9163	01392	--	--	Schwarzbeck	2024-05-04
4	Ultra-wideband Log Periodic Antenna	VULB 9163	9163-586	--	--	Schwarzbeck	2022-11-11
5	Double Ridged Guide Antenna	HF907	100357	--	--	R&S	2023-02-10
6	Double Ridged Guide Antenna	BBHA9120D	9120D-1083	--	--	SCHWARZBECK	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

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3	Fully-Anechoic Chamber	FAC 5	--	TDK	2024-09-22
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5.4. Vibration table

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

Anechoic chamber

Fully anechoic chamber by ETS-LINDGREN.

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.
3	EMC32	V 9.26.01	--	R&S

6. Test Results

6.1. Summary of Test Results

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

FCC Rules	Name of Test	Result
2.1046,22.913(a),24.232(c),27.50, 90.635(b)	Conducted RF Power Output	Pass
2.1046,22.913(a),24.232 (c),27.50, 90.635(b)	ERP and EIRP	Pass
2.1049,22.917(b), 24.238(b)	Occupied Bandwidth	*Note 1
2.1051,24.238,2.1053,22.917, 27.53,90.691	Conducted spurious emissions	Pass
2.1051,24.238,2.1053,22.917, 27.53,90.691	Radiated Spurious Emission	Pass
2.1051,24.238, 2.1053, 22.917, 27.53,90.691	Band Edge	Pass
2.1055, 22.355, 24.235, 27.54,90.213	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 ,64QAM,256QAM modulations. It was found that QPSK was the worst case(except LTE CA_band 7, which is 256QAM 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.		

6.2. Conducted RF Power Output

Specifications:	FCCPart2.1046,22.913(a),24.232(c),27.50, 90.635(b)
DUT Serial Number:	864542050016100/864542050016050
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.

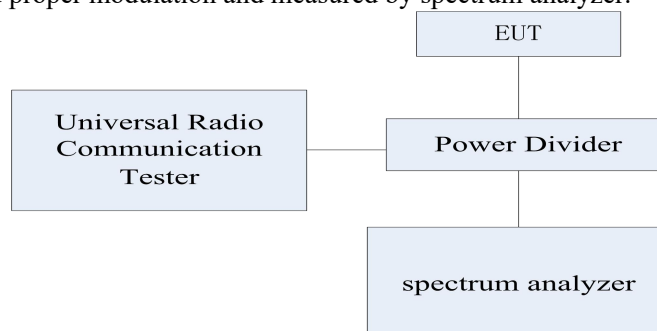
According to Part 90.635(b), The maximum output power of the transmitter for mobile stations is 100 watts (20 dBw).

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.



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Test Method:

- 1) The EUT was coupled to the spectrum analyzer and the Wireless Telecommunications Test Set through 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	Average Power (dBm)	Peak Power (dBm)
1.4MHz	1 RB low	1850.7	QPSK	19.90	25.17
1.4MHz	1 RB mid	1850.7	QPSK	19.93	25.16
1.4MHz	1 RB high	1850.7	QPSK	19.89	25.23
1.4MHz	100% RB	1850.7	QPSK	18.89	25.12
1.4MHz	1 RB low	1850.7	16QAM	18.98	25.00
1.4MHz	1 RB mid	1850.7	16QAM	19.11	25.02
1.4MHz	1 RB high	1850.7	16QAM	18.95	25.06
1.4MHz	100% RB	1850.7	16QAM	18.00	24.81
1.4MHz	1 RB low	1880	QPSK	19.85	24.90
1.4MHz	1 RB mid	1880	QPSK	20.03	24.95
1.4MHz	1 RB high	1880	QPSK	19.99	25.09
1.4MHz	100% RB	1880	QPSK	19.03	24.96
1.4MHz	1 RB low	1880	16QAM	19.08	24.79
1.4MHz	1 RB mid	1880	16QAM	19.23	24.96
1.4MHz	1 RB high	1880	16QAM	19.06	24.83
1.4MHz	100% RB	1880	16QAM	18.06	24.49
1.4MHz	1 RB low	1909.3	QPSK	20.94	26.34
1.4MHz	1 RB mid	1909.3	QPSK	21.01	26.55
1.4MHz	1 RB high	1909.3	QPSK	20.96	26.62
1.4MHz	100% RB	1909.3	QPSK	20.01	26.46
1.4MHz	1 RB low	1909.3	16QAM	20.09	26.15
1.4MHz	1 RB mid	1909.3	16QAM	20.21	26.31
1.4MHz	1 RB high	1909.3	16QAM	20.15	26.19
1.4MHz	100% RB	1909.3	16QAM	18.95	26.30
3MHz	1 RB low	1851.5	QPSK	20.01	25.22
3MHz	1 RB mid	1851.5	QPSK	20.05	25.27
3MHz	1 RB high	1851.5	QPSK	20.06	25.34
3MHz	100% RB	1851.5	QPSK	19.10	24.88
3MHz	1 RB low	1851.5	16QAM	19.23	24.93
3MHz	1 RB mid	1851.5	16QAM	19.27	24.90
3MHz	1 RB high	1851.5	16QAM	19.22	24.99
3MHz	100% RB	1851.5	16QAM	18.15	24.81

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3MHz	1 RB low	1880	QPSK	20.03	24.89
3MHz	1 RB mid	1880	QPSK	20.07	24.94
3MHz	1 RB high	1880	QPSK	20.08	25.18
3MHz	100% RB	1880	QPSK	19.06	24.89
3MHz	1 RB low	1880	16QAM	18.89	24.79
3MHz	1 RB mid	1880	16QAM	18.97	24.83
3MHz	1 RB high	1880	16QAM	18.98	25.12
3MHz	100% RB	1880	16QAM	18.04	25.04
3MHz	1 RB low	1908.5	QPSK	21.06	26.26
3MHz	1 RB mid	1908.5	QPSK	21.02	26.37
3MHz	1 RB high	1908.5	QPSK	21.02	26.55
3MHz	100% RB	1908.5	QPSK	20.18	26.04
3MHz	1 RB low	1908.5	16QAM	20.33	26.09
3MHz	1 RB mid	1908.5	16QAM	20.32	26.21
3MHz	1 RB high	1908.5	16QAM	20.21	26.24
3MHz	100% RB	1908.5	16QAM	19.17	26.05
5MHz	1 RB low	1852.5	QPSK	20.10	25.03
5MHz	1 RB mid	1852.5	QPSK	20.27	25.21
5MHz	1 RB high	1852.5	QPSK	20.13	25.20
5MHz	100% RB	1852.5	QPSK	19.12	25.41
5MHz	1 RB low	1852.5	16QAM	19.12	24.96
5MHz	1 RB mid	1852.5	16QAM	19.25	25.10
5MHz	1 RB high	1852.5	16QAM	19.23	25.17
5MHz	100% RB	1852.5	16QAM	18.17	25.29
5MHz	1 RB low	1880	QPSK	20.22	24.91
5MHz	1 RB mid	1880	QPSK	20.21	24.98
5MHz	1 RB high	1880	QPSK	20.28	25.36
5MHz	100% RB	1880	QPSK	19.18	25.12
5MHz	1 RB low	1880	16QAM	19.19	24.65
5MHz	1 RB mid	1880	16QAM	19.22	24.72
5MHz	1 RB high	1880	16QAM	19.27	25.04
5MHz	100% RB	1880	16QAM	18.24	24.71
5MHz	1 RB low	1907.5	QPSK	21.20	25.78
5MHz	1 RB mid	1907.5	QPSK	21.26	26.04
5MHz	1 RB high	1907.5	QPSK	21.09	26.11
5MHz	100% RB	1907.5	QPSK	20.15	26.26
5MHz	1 RB low	1907.5	16QAM	20.44	25.73
5MHz	1 RB mid	1907.5	16QAM	20.46	25.97

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5MHz	1 RB high	1907.5	16QAM	20.33	26.08
5MHz	100% RB	1907.5	16QAM	19.18	26.20
10MHz	1 RB low	1855	QPSK	20.20	25.41
10MHz	1 RB mid	1855	QPSK	20.10	25.46
10MHz	1 RB high	1855	QPSK	20.16	25.79
10MHz	100% RB	1855	QPSK	19.16	26.08
10MHz	1 RB low	1855	16QAM	19.48	25.14
10MHz	1 RB mid	1855	16QAM	19.42	25.19
10MHz	1 RB high	1855	16QAM	19.49	25.52
10MHz	100% RB	1855	16QAM	18.29	25.29
10MHz	1 RB low	1880	QPSK	20.20	25.02
10MHz	1 RB mid	1880	QPSK	20.15	25.00
10MHz	1 RB high	1880	QPSK	20.38	25.86
10MHz	100% RB	1880	QPSK	19.19	25.28
10MHz	1 RB low	1880	16QAM	19.09	24.94
10MHz	1 RB mid	1880	16QAM	19.06	24.92
10MHz	1 RB high	1880	16QAM	19.31	25.81
10MHz	100% RB	1880	16QAM	18.20	24.99
10MHz	1 RB low	1905	QPSK	21.15	26.22
10MHz	1 RB mid	1905	QPSK	21.08	25.95
10MHz	1 RB high	1905	QPSK	20.95	26.46
10MHz	100% RB	1905	QPSK	20.18	26.10
10MHz	1 RB low	1905	16QAM	20.32	25.99
10MHz	1 RB mid	1905	16QAM	20.26	25.79
10MHz	1 RB high	1905	16QAM	20.19	26.23
10MHz	100% RB	1905	16QAM	19.21	25.89
15MHz	1 RB low	1857.5	QPSK	20.22	25.45
15MHz	1 RB mid	1857.5	QPSK	20.27	25.90
15MHz	1 RB high	1857.5	QPSK	20.19	25.79
15MHz	100% RB	1857.5	QPSK	19.29	25.84
15MHz	1 RB low	1857.5	16QAM	19.40	25.14
15MHz	1 RB mid	1857.5	16QAM	19.52	25.54
15MHz	1 RB high	1857.5	16QAM	19.41	25.40
15MHz	100% RB	1857.5	16QAM	18.26	25.51
15MHz	1 RB low	1880	QPSK	20.11	25.08
15MHz	1 RB mid	1880	QPSK	20.15	25.04
15MHz	1 RB high	1880	QPSK	20.45	26.03
15MHz	100% RB	1880	QPSK	19.20	25.31

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15MHz	1 RB low	1880	16QAM	19.01	25.23
15MHz	1 RB mid	1880	16QAM	19.06	24.96
15MHz	1 RB high	1880	16QAM	19.28	25.90
15MHz	100% RB	1880	16QAM	18.21	25.09
15MHz	1 RB low	1902.5	QPSK	20.96	26.44
15MHz	1 RB mid	1902.5	QPSK	21.08	25.99
15MHz	1 RB high	1902.5	QPSK	20.92	26.34
15MHz	100% RB	1902.5	QPSK	20.09	26.37
15MHz	1 RB low	1902.5	16QAM	20.33	26.25
15MHz	1 RB mid	1902.5	16QAM	20.41	25.85
15MHz	1 RB high	1902.5	16QAM	20.25	26.13
15MHz	100% RB	1902.5	16QAM	19.23	26.18
20MHz	1 RB low	1860	QPSK	20.39	25.59
20MHz	1 RB mid	1860	QPSK	20.41	26.01
20MHz	1 RB high	1860	QPSK	20.28	25.66
20MHz	100% RB	1860	QPSK	19.29	25.97
20MHz	1 RB low	1860	16QAM	19.40	25.28
20MHz	1 RB mid	1860	16QAM	19.47	25.69
20MHz	1 RB high	1860	16QAM	19.32	25.40
20MHz	100% RB	1860	16QAM	18.35	25.36
20MHz	1 RB low	1880	QPSK	20.08	25.63
20MHz	1 RB mid	1880	QPSK	20.04	25.15
20MHz	1 RB high	1880	QPSK	20.46	26.20
20MHz	100% RB	1880	QPSK	19.24	25.21
20MHz	1 RB low	1880	16QAM	19.27	24.63
20MHz	1 RB mid	1880	16QAM	19.15	24.19
20MHz	1 RB high	1880	16QAM	19.64	24.98
20MHz	100% RB	1880	16QAM	18.37	25.34
20MHz	1 RB low	1900	QPSK	20.79	26.29
20MHz	1 RB mid	1900	QPSK	21.13	26.07
20MHz	1 RB high	1900	QPSK	21.06	26.24
20MHz	100% RB	1900	QPSK	20.14	26.31
20MHz	1 RB low	1900	16QAM	20.06	26.45
20MHz	1 RB mid	1900	16QAM	20.37	26.15
20MHz	1 RB high	1900	16QAM	20.27	26.31
20MHz	100% RB	1900	16QAM	19.17	26.27

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LTE band 4

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Average Power (dBm)	Peak Power (dBm)
1.4MHz	1 RB low	1710.7	QPSK	20.93	26.69
1.4MHz	1 RB mid	1710.7	QPSK	20.95	26.62
1.4MHz	1 RB high	1710.7	QPSK	20.93	26.64
1.4MHz	100% RB	1710.7	QPSK	19.95	25.82
1.4MHz	1 RB low	1710.7	16QAM	20.12	26.32
1.4MHz	1 RB mid	1710.7	16QAM	20.14	26.22
1.4MHz	1 RB high	1710.7	16QAM	20.09	26.29
1.4MHz	100% RB	1710.7	16QAM	19.03	26.01
1.4MHz	1 RB low	1732.5	QPSK	20.67	25.88
1.4MHz	1 RB mid	1732.5	QPSK	20.71	25.87
1.4MHz	1 RB high	1732.5	QPSK	20.67	25.85
1.4MHz	100% RB	1732.5	QPSK	19.63	25.82
1.4MHz	1 RB low	1732.5	16QAM	19.58	25.83
1.4MHz	1 RB mid	1732.5	16QAM	19.64	25.79
1.4MHz	1 RB high	1732.5	16QAM	19.55	25.83
1.4MHz	100% RB	1732.5	16QAM	18.69	25.42
1.4MHz	1 RB low	1754.3	QPSK	20.50	26.00
1.4MHz	1 RB mid	1754.3	QPSK	20.57	25.98
1.4MHz	1 RB high	1754.3	QPSK	20.54	26.03
1.4MHz	100% RB	1754.3	QPSK	19.56	25.81
1.4MHz	1 RB low	1754.3	16QAM	19.60	25.54
1.4MHz	1 RB mid	1754.3	16QAM	19.71	25.63
1.4MHz	1 RB high	1754.3	16QAM	19.67	25.52
1.4MHz	100% RB	1754.3	16QAM	18.45	25.61
3MHz	1 RB low	1711.5	QPSK	20.98	26.41
3MHz	1 RB mid	1711.5	QPSK	20.96	26.35
3MHz	1 RB high	1711.5	QPSK	20.98	26.38
3MHz	100% RB	1711.5	QPSK	20.05	26.04
3MHz	1 RB low	1711.5	16QAM	20.15	26.06
3MHz	1 RB mid	1711.5	16QAM	20.16	26.01
3MHz	1 RB high	1711.5	16QAM	20.07	26.00
3MHz	100% RB	1711.5	16QAM	19.04	25.79
3MHz	1 RB low	1732.5	QPSK	20.76	25.89

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3MHz	1 RB mid	1732.5	QPSK	20.73	25.84
3MHz	1 RB high	1732.5	QPSK	20.67	25.84
3MHz	100% RB	1732.5	QPSK	19.72	25.56
3MHz	1 RB low	1732.5	16QAM	19.60	25.79
3MHz	1 RB mid	1732.5	16QAM	19.64	25.75
3MHz	1 RB high	1732.5	16QAM	19.56	25.78
3MHz	100% RB	1732.5	16QAM	18.67	25.62
3MHz	1 RB low	1753.5	QPSK	20.61	25.99
3MHz	1 RB mid	1753.5	QPSK	20.55	25.92
3MHz	1 RB high	1753.5	QPSK	20.58	26.00
3MHz	100% RB	1753.5	QPSK	19.59	25.70
3MHz	1 RB low	1753.5	16QAM	19.68	25.51
3MHz	1 RB mid	1753.5	16QAM	19.73	25.63
3MHz	1 RB high	1753.5	16QAM	19.68	25.56
3MHz	100% RB	1753.5	16QAM	18.54	25.21
5MHz	1 RB low	1712.5	QPSK	21.04	26.17
5MHz	1 RB mid	1712.5	QPSK	21.13	26.17
5MHz	1 RB high	1712.5	QPSK	20.98	26.11
5MHz	100% RB	1712.5	QPSK	20.00	26.26
5MHz	1 RB low	1712.5	16QAM	20.02	26.10
5MHz	1 RB mid	1712.5	16QAM	20.09	26.09
5MHz	1 RB high	1712.5	16QAM	20.05	26.09
5MHz	100% RB	1712.5	16QAM	18.99	25.74
5MHz	1 RB low	1732.5	QPSK	20.83	25.92
5MHz	1 RB mid	1732.5	QPSK	20.88	25.89
5MHz	1 RB high	1732.5	QPSK	20.72	25.85
5MHz	100% RB	1732.5	QPSK	19.75	25.67
5MHz	1 RB low	1732.5	16QAM	19.75	25.53
5MHz	1 RB mid	1732.5	16QAM	19.88	25.61
5MHz	1 RB high	1732.5	16QAM	19.73	25.52
5MHz	100% RB	1732.5	16QAM	18.82	25.39
5MHz	1 RB low	1752.5	QPSK	20.56	25.47
5MHz	1 RB mid	1752.5	QPSK	20.68	25.51
5MHz	1 RB high	1752.5	QPSK	20.61	25.49
5MHz	100% RB	1752.5	QPSK	19.58	25.58
5MHz	1 RB low	1752.5	16QAM	19.75	25.37
5MHz	1 RB mid	1752.5	16QAM	19.87	25.46
5MHz	1 RB high	1752.5	16QAM	19.78	25.41

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5MHz	100% RB	1752.5	16QAM	18.62	25.60
10MHz	1 RB low	1715	QPSK	20.95	26.48
10MHz	1 RB mid	1715	QPSK	20.95	26.43
10MHz	1 RB high	1715	QPSK	20.88	26.19
10MHz	100% RB	1715	QPSK	20.00	26.09
10MHz	1 RB low	1715	16QAM	20.04	26.08
10MHz	1 RB mid	1715	16QAM	20.02	25.94
10MHz	1 RB high	1715	16QAM	20.15	25.95
10MHz	100% RB	1715	16QAM	18.99	26.05
10MHz	1 RB low	1732.5	QPSK	20.77	25.92
10MHz	1 RB mid	1732.5	QPSK	20.73	25.87
10MHz	1 RB high	1732.5	QPSK	20.69	25.89
10MHz	100% RB	1732.5	QPSK	19.75	25.94
10MHz	1 RB low	1732.5	16QAM	19.66	25.85
10MHz	1 RB mid	1732.5	16QAM	19.62	25.79
10MHz	1 RB high	1732.5	16QAM	19.61	25.81
10MHz	100% RB	1732.5	16QAM	18.76	25.94
10MHz	1 RB low	1750	QPSK	20.48	25.92
10MHz	1 RB mid	1750	QPSK	20.51	25.93
10MHz	1 RB high	1750	QPSK	20.51	25.95
10MHz	100% RB	1750	QPSK	19.50	26.23
10MHz	1 RB low	1750	16QAM	19.66	25.58
10MHz	1 RB mid	1750	16QAM	19.65	25.53
10MHz	1 RB high	1750	16QAM	19.65	25.57
10MHz	100% RB	1750	16QAM	18.58	25.90
15MHz	1 RB low	1717.5	QPSK	20.91	26.33
15MHz	1 RB mid	1717.5	QPSK	20.88	26.28
15MHz	1 RB high	1717.5	QPSK	20.79	26.17
15MHz	100% RB	1717.5	QPSK	19.96	26.37
15MHz	1 RB low	1717.5	16QAM	20.09	26.01
15MHz	1 RB mid	1717.5	16QAM	20.11	25.95
15MHz	1 RB high	1717.5	16QAM	20.03	25.83
15MHz	100% RB	1717.5	16QAM	18.93	26.09
15MHz	1 RB low	1732.5	QPSK	20.73	25.91
15MHz	1 RB mid	1732.5	QPSK	20.75	25.90
15MHz	1 RB high	1732.5	QPSK	20.64	25.85
15MHz	100% RB	1732.5	QPSK	19.72	26.04
15MHz	1 RB low	1732.5	16QAM	19.64	25.85

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15MHz	1 RB mid	1732.5	16QAM	19.64	25.83
15MHz	1 RB high	1732.5	16QAM	19.52	25.78
15MHz	100% RB	1732.5	16QAM	18.73	25.68
15MHz	1 RB low	1747.5	QPSK	20.55	25.88
15MHz	1 RB mid	1747.5	QPSK	20.45	25.82
15MHz	1 RB high	1747.5	QPSK	20.49	25.84
15MHz	100% RB	1747.5	QPSK	19.66	26.20
15MHz	1 RB low	1747.5	16QAM	19.85	25.61
15MHz	1 RB mid	1747.5	16QAM	19.75	25.57
15MHz	1 RB high	1747.5	16QAM	19.81	25.60
15MHz	100% RB	1747.5	16QAM	18.62	25.71
20MHz	1 RB low	1720	QPSK	20.99	26.41
20MHz	1 RB mid	1720	QPSK	20.97	26.29
20MHz	1 RB high	1720	QPSK	20.88	26.18
20MHz	100% RB	1720	QPSK	19.92	26.37
20MHz	1 RB low	1720	16QAM	20.03	26.13
20MHz	1 RB mid	1720	16QAM	19.99	25.98
20MHz	1 RB high	1720	16QAM	19.91	25.92
20MHz	100% RB	1720	16QAM	18.95	25.99
20MHz	1 RB low	1732.5	QPSK	20.65	26.30
20MHz	1 RB mid	1732.5	QPSK	20.58	26.03
20MHz	1 RB high	1732.5	QPSK	20.54	26.01
20MHz	100% RB	1732.5	QPSK	19.78	26.06
20MHz	1 RB low	1732.5	16QAM	19.76	25.14
20MHz	1 RB mid	1732.5	16QAM	19.70	24.89
20MHz	1 RB high	1732.5	16QAM	19.64	24.88
20MHz	100% RB	1732.5	16QAM	18.80	25.94
20MHz	1 RB low	1745	QPSK	20.64	25.80
20MHz	1 RB mid	1745	QPSK	20.52	25.75
20MHz	1 RB high	1745	QPSK	20.60	25.85
20MHz	100% RB	1745	QPSK	19.64	26.08
20MHz	1 RB low	1745	16QAM	19.82	25.87
20MHz	1 RB mid	1745	16QAM	19.72	25.83
20MHz	1 RB high	1745	16QAM	19.81	25.94
20MHz	100% RB	1745	16QAM	18.69	26.02

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LTE band 5

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Average Power (dBm)	Peak Power (dBm)
1.4MHz	1 RB low	824.7	QPSK	21.72	26.22
1.4MHz	1 RB mid	824.7	QPSK	21.69	26.30
1.4MHz	1 RB high	824.7	QPSK	21.69	26.40
1.4MHz	100% RB	824.7	QPSK	20.86	26.34
1.4MHz	1 RB low	824.7	16QAM	20.91	26.03
1.4MHz	1 RB mid	824.7	16QAM	20.97	26.17
1.4MHz	1 RB high	824.7	16QAM	20.92	26.28
1.4MHz	100% RB	824.7	16QAM	19.91	26.41
1.4MHz	1 RB low	836.5	QPSK	21.91	26.04
1.4MHz	1 RB mid	836.5	QPSK	21.95	26.03
1.4MHz	1 RB high	836.5	QPSK	21.91	25.92
1.4MHz	100% RB	836.5	QPSK	20.96	26.51
1.4MHz	1 RB low	836.5	16QAM	20.77	25.94
1.4MHz	1 RB mid	836.5	16QAM	20.87	25.88
1.4MHz	1 RB high	836.5	16QAM	20.78	25.83
1.4MHz	100% RB	836.5	16QAM	19.82	25.72
1.4MHz	1 RB low	848.3	QPSK	22.01	25.20
1.4MHz	1 RB mid	848.3	QPSK	22.00	25.02
1.4MHz	1 RB high	848.3	QPSK	22.01	24.99
1.4MHz	100% RB	848.3	QPSK	21.09	25.76
1.4MHz	1 RB low	848.3	16QAM	20.96	25.05
1.4MHz	1 RB mid	848.3	16QAM	21.04	24.90
1.4MHz	1 RB high	848.3	16QAM	20.94	24.78
1.4MHz	100% RB	848.3	16QAM	19.86	25.59
3MHz	1 RB low	825.5	QPSK	21.77	26.16
3MHz	1 RB mid	825.5	QPSK	21.75	26.43
3MHz	1 RB high	825.5	QPSK	21.74	26.55
3MHz	100% RB	825.5	QPSK	20.86	26.64
3MHz	1 RB low	825.5	16QAM	20.96	25.93
3MHz	1 RB mid	825.5	16QAM	20.94	26.13
3MHz	1 RB high	825.5	16QAM	20.88	26.26
3MHz	100% RB	825.5	16QAM	19.87	26.23
3MHz	1 RB low	836.5	QPSK	21.93	26.19

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3MHz	1 RB mid	836.5	QPSK	21.86	25.92
3MHz	1 RB high	836.5	QPSK	21.87	25.79
3MHz	100% RB	836.5	QPSK	20.87	26.25
3MHz	1 RB low	836.5	16QAM	20.75	26.06
3MHz	1 RB mid	836.5	16QAM	20.75	25.80
3MHz	1 RB high	836.5	16QAM	20.70	25.70
3MHz	100% RB	836.5	16QAM	19.81	26.03
3MHz	1 RB low	847.5	QPSK	21.98	25.82
3MHz	1 RB mid	847.5	QPSK	21.96	25.25
3MHz	1 RB high	847.5	QPSK	22.08	25.01
3MHz	100% RB	847.5	QPSK	20.94	25.78
3MHz	1 RB low	847.5	16QAM	21.06	25.64
3MHz	1 RB mid	847.5	16QAM	20.95	25.09
3MHz	1 RB high	847.5	16QAM	20.90	24.81
3MHz	100% RB	847.5	16QAM	19.88	25.99
5MHz	1 RB low	826.5	QPSK	21.90	26.10
5MHz	1 RB mid	826.5	QPSK	21.89	26.45
5MHz	1 RB high	826.5	QPSK	21.78	26.51
5MHz	100% RB	826.5	QPSK	20.83	26.51
5MHz	1 RB low	826.5	16QAM	20.87	26.02
5MHz	1 RB mid	826.5	16QAM	20.88	26.36
5MHz	1 RB high	826.5	16QAM	20.80	26.43
5MHz	100% RB	826.5	16QAM	19.88	26.74
5MHz	1 RB low	836.5	QPSK	21.95	26.35
5MHz	1 RB mid	836.5	QPSK	22.00	25.94
5MHz	1 RB high	836.5	QPSK	21.91	25.77
5MHz	100% RB	836.5	QPSK	20.87	26.35
5MHz	1 RB low	836.5	16QAM	20.95	26.10
5MHz	1 RB mid	836.5	16QAM	20.97	25.74
5MHz	1 RB high	836.5	16QAM	20.90	25.57
5MHz	100% RB	836.5	16QAM	19.94	25.99
5MHz	1 RB low	846.5	QPSK	22.02	26.10
5MHz	1 RB mid	846.5	QPSK	22.07	25.51
5MHz	1 RB high	846.5	QPSK	21.98	24.86
5MHz	100% RB	846.5	QPSK	20.96	26.18
5MHz	1 RB low	846.5	16QAM	21.22	26.03
5MHz	1 RB mid	846.5	16QAM	21.15	25.37
5MHz	1 RB high	846.5	16QAM	21.00	24.76

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5MHz	100% RB	846.5	16QAM	19.92	25.96
10MHz	1 RB low	829	QPSK	21.84	26.31
10MHz	1 RB mid	829	QPSK	21.76	26.72
10MHz	1 RB high	829	QPSK	21.73	26.41
10MHz	100% RB	829	QPSK	20.93	27.09
10MHz	1 RB low	829	16QAM	21.02	26.07
10MHz	1 RB mid	829	16QAM	20.94	26.40
10MHz	1 RB high	829	16QAM	20.90	26.08
10MHz	100% RB	829	16QAM	19.91	26.59
10MHz	1 RB low	836.5	QPSK	21.99	26.79
10MHz	1 RB mid	836.5	QPSK	21.87	25.96
10MHz	1 RB high	836.5	QPSK	21.79	25.95
10MHz	100% RB	836.5	QPSK	20.89	26.39
10MHz	1 RB low	836.5	16QAM	20.87	26.70
10MHz	1 RB mid	836.5	16QAM	20.76	25.87
10MHz	1 RB high	836.5	16QAM	20.74	25.87
10MHz	100% RB	836.5	16QAM	19.92	26.50
10MHz	1 RB low	844	QPSK	21.90	25.99
10MHz	1 RB mid	844	QPSK	21.97	26.35
10MHz	1 RB high	844	QPSK	21.86	25.02
10MHz	100% RB	844	QPSK	20.86	26.15
10MHz	1 RB low	844	16QAM	21.05	25.81
10MHz	1 RB mid	844	16QAM	21.07	26.12
10MHz	1 RB high	844	16QAM	20.87	24.87
10MHz	100% RB	844	16QAM	19.91	26.49

LTE band 7

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Average Power (dBm)	Peak Power (dBm)
5MHz	1 RB low	2502.5	QPSK	21.84	26.72
5MHz	1 RB mid	2502.5	QPSK	21.86	26.80
5MHz	1 RB high	2502.5	QPSK	21.87	26.82
5MHz	100% RB	2502.5	QPSK	20.83	26.93
5MHz	1 RB low	2502.5	16QAM	20.97	26.58
5MHz	1 RB mid	2502.5	16QAM	21.03	26.58
5MHz	1 RB high	2502.5	16QAM	20.95	26.59
5MHz	100% RB	2502.5	16QAM	19.87	26.70
5MHz	1 RB low	2535	QPSK	21.83	27.21
5MHz	1 RB mid	2535	QPSK	21.88	27.19
5MHz	1 RB high	2535	QPSK	21.80	27.23
5MHz	100% RB	2535	QPSK	20.86	26.98
5MHz	1 RB low	2535	16QAM	20.92	26.90
5MHz	1 RB mid	2535	16QAM	21.03	27.08
5MHz	1 RB high	2535	16QAM	20.81	26.91
5MHz	100% RB	2535	16QAM	19.88	26.71
5MHz	1 RB low	2567.5	QPSK	21.42	26.53
5MHz	1 RB mid	2567.5	QPSK	21.32	26.32
5MHz	1 RB high	2567.5	QPSK	21.18	26.20
5MHz	100% RB	2567.5	QPSK	20.36	26.38
5MHz	1 RB low	2567.5	16QAM	20.49	26.28
5MHz	1 RB mid	2567.5	16QAM	20.59	26.28
5MHz	1 RB high	2567.5	16QAM	20.56	26.16
5MHz	100% RB	2567.5	16QAM	19.41	26.27
10MHz	1 RB low	2505	QPSK	21.83	26.82
10MHz	1 RB mid	2505	QPSK	21.85	26.84
10MHz	1 RB high	2505	QPSK	21.92	26.85
10MHz	100% RB	2505	QPSK	21.00	26.84
10MHz	1 RB low	2505	16QAM	21.07	26.59
10MHz	1 RB mid	2505	16QAM	21.05	26.59
10MHz	1 RB high	2505	16QAM	21.16	26.61
10MHz	100% RB	2505	16QAM	20.04	27.00
10MHz	1 RB low	2535	QPSK	21.84	27.20

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10MHz	1 RB mid	2535	QPSK	21.78	27.14
10MHz	1 RB high	2535	QPSK	21.79	27.19
10MHz	100% RB	2535	QPSK	20.81	27.10
10MHz	1 RB low	2535	16QAM	20.75	27.18
10MHz	1 RB mid	2535	16QAM	20.73	27.16
10MHz	1 RB high	2535	16QAM	20.70	27.14
10MHz	100% RB	2535	16QAM	19.88	27.22
10MHz	1 RB low	2565	QPSK	21.41	26.65
10MHz	1 RB mid	2565	QPSK	21.31	26.53
10MHz	1 RB high	2565	QPSK	21.25	26.43
10MHz	100% RB	2565	QPSK	20.46	26.83
10MHz	1 RB low	2565	16QAM	20.66	26.47
10MHz	1 RB mid	2565	16QAM	20.57	26.36
10MHz	1 RB high	2565	16QAM	20.48	26.26
10MHz	100% RB	2565	16QAM	19.52	26.26
15MHz	1 RB low	2507.5	QPSK	21.93	26.91
15MHz	1 RB mid	2507.5	QPSK	21.88	26.85
15MHz	1 RB high	2507.5	QPSK	22.05	26.81
15MHz	100% RB	2507.5	QPSK	21.03	27.32
15MHz	1 RB low	2507.5	16QAM	21.14	26.70
15MHz	1 RB mid	2507.5	16QAM	21.14	26.63
15MHz	1 RB high	2507.5	16QAM	21.28	26.58
15MHz	100% RB	2507.5	16QAM	20.04	27.12
15MHz	1 RB low	2535	QPSK	22.00	27.26
15MHz	1 RB mid	2535	QPSK	21.78	27.19
15MHz	1 RB high	2535	QPSK	21.79	27.16
15MHz	100% RB	2535	QPSK	20.84	27.40
15MHz	1 RB low	2535	16QAM	20.91	27.22
15MHz	1 RB mid	2535	16QAM	20.70	27.18
15MHz	1 RB high	2535	16QAM	20.69	27.14
15MHz	100% RB	2535	16QAM	19.87	27.13
15MHz	1 RB low	2562.5	QPSK	21.48	26.73
15MHz	1 RB mid	2562.5	QPSK	21.36	26.56
15MHz	1 RB high	2562.5	QPSK	21.28	26.40
15MHz	100% RB	2562.5	QPSK	20.54	27.04
15MHz	1 RB low	2562.5	16QAM	20.84	26.57
15MHz	1 RB mid	2562.5	16QAM	20.71	26.39
15MHz	1 RB high	2562.5	16QAM	20.67	26.27

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15MHz	100% RB	2562.5	16QAM	19.60	26.74
20MHz	1 RB low	2510	QPSK	21.91	26.92
20MHz	1 RB mid	2510	QPSK	21.91	26.83
20MHz	1 RB high	2510	QPSK	22.02	26.83
20MHz	100% RB	2510	QPSK	20.92	26.96
20MHz	1 RB low	2510	16QAM	20.94	26.69
20MHz	1 RB mid	2510	16QAM	20.97	26.65
20MHz	1 RB high	2510	16QAM	21.10	26.70
20MHz	100% RB	2510	16QAM	19.98	27.08
20MHz	1 RB low	2535	QPSK	21.89	27.30
20MHz	1 RB mid	2535	QPSK	21.69	27.36
20MHz	1 RB high	2535	QPSK	21.62	27.24
20MHz	100% RB	2535	QPSK	20.90	27.16
20MHz	1 RB low	2535	16QAM	21.05	26.39
20MHz	1 RB mid	2535	16QAM	20.83	26.28
20MHz	1 RB high	2535	16QAM	20.81	26.25
20MHz	100% RB	2535	16QAM	19.97	27.34
20MHz	1 RB low	2560	QPSK	21.59	26.81
20MHz	1 RB mid	2560	QPSK	21.51	26.57
20MHz	1 RB high	2560	QPSK	21.35	26.38
20MHz	100% RB	2560	QPSK	20.59	26.95
20MHz	1 RB low	2560	16QAM	20.79	26.87
20MHz	1 RB mid	2560	16QAM	20.75	26.66
20MHz	1 RB high	2560	16QAM	20.59	26.48
20MHz	100% RB	2560	16QAM	19.67	27.26

LTE band 12

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Average Power (dBm)	Peak Power (dBm)
1.4MHz	1 RB low	699.7	QPSK	22.60	27.17
1.4MHz	1 RB mid	699.7	QPSK	22.60	27.17
1.4MHz	1 RB high	699.7	QPSK	22.60	27.17
1.4MHz	100% RB	699.7	QPSK	21.56	27.20
1.4MHz	1 RB low	699.7	16QAM	21.71	26.90
1.4MHz	1 RB mid	699.7	16QAM	21.79	26.91
1.4MHz	1 RB high	699.7	16QAM	21.67	26.93
1.4MHz	100% RB	699.7	16QAM	20.60	27.16
1.4MHz	1 RB low	707.5	QPSK	22.53	27.46
1.4MHz	1 RB mid	707.5	QPSK	22.57	27.37
1.4MHz	1 RB high	707.5	QPSK	22.55	27.30
1.4MHz	100% RB	707.5	QPSK	21.49	27.54
1.4MHz	1 RB low	707.5	16QAM	21.46	27.43
1.4MHz	1 RB mid	707.5	16QAM	21.51	27.31
1.4MHz	1 RB high	707.5	16QAM	21.41	27.24
1.4MHz	100% RB	707.5	16QAM	20.55	27.14
1.4MHz	1 RB low	715.3	QPSK	22.48	27.24
1.4MHz	1 RB mid	715.3	QPSK	22.47	27.17
1.4MHz	1 RB high	715.3	QPSK	22.46	27.21
1.4MHz	100% RB	715.3	QPSK	21.47	27.41
1.4MHz	1 RB low	715.3	16QAM	21.54	26.94
1.4MHz	1 RB mid	715.3	16QAM	21.62	26.95
1.4MHz	1 RB high	715.3	16QAM	21.58	26.87
1.4MHz	100% RB	715.3	16QAM	20.43	27.26
3MHz	1 RB low	700.5	QPSK	22.61	27.03
3MHz	1 RB mid	700.5	QPSK	22.58	27.03
3MHz	1 RB high	700.5	QPSK	22.56	27.15
3MHz	100% RB	700.5	QPSK	21.63	27.44
3MHz	1 RB low	700.5	16QAM	21.81	26.79
3MHz	1 RB mid	700.5	16QAM	21.74	26.78
3MHz	1 RB high	700.5	16QAM	21.72	26.90
3MHz	100% RB	700.5	16QAM	20.65	26.72
3MHz	1 RB low	707.5	QPSK	22.66	27.61

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3MHz	1 RB mid	707.5	QPSK	22.56	27.31
3MHz	1 RB high	707.5	QPSK	22.52	27.05
3MHz	100% RB	707.5	QPSK	21.58	27.12
3MHz	1 RB low	707.5	16QAM	21.51	27.52
3MHz	1 RB mid	707.5	16QAM	21.48	27.24
3MHz	1 RB high	707.5	16QAM	21.44	27.01
3MHz	100% RB	707.5	16QAM	20.55	27.80
3MHz	1 RB low	714.5	QPSK	22.57	27.07
3MHz	1 RB mid	714.5	QPSK	22.51	27.19
3MHz	1 RB high	714.5	QPSK	22.54	27.22
3MHz	100% RB	714.5	QPSK	21.61	27.04
3MHz	1 RB low	714.5	16QAM	21.69	26.82
3MHz	1 RB mid	714.5	16QAM	21.64	26.97
3MHz	1 RB high	714.5	16QAM	21.64	26.96
3MHz	100% RB	714.5	16QAM	20.59	27.11
5MHz	1 RB low	701.5	QPSK	22.69	26.92
5MHz	1 RB mid	701.5	QPSK	22.70	27.03
5MHz	1 RB high	701.5	QPSK	22.69	27.36
5MHz	100% RB	701.5	QPSK	21.73	27.25
5MHz	1 RB low	701.5	16QAM	21.69	26.84
5MHz	1 RB mid	701.5	16QAM	21.70	26.96
5MHz	1 RB high	701.5	16QAM	21.74	27.30
5MHz	100% RB	701.5	16QAM	20.80	27.25
5MHz	1 RB low	707.5	QPSK	22.71	27.63
5MHz	1 RB mid	707.5	QPSK	22.69	27.33
5MHz	1 RB high	707.5	QPSK	22.59	26.91
5MHz	100% RB	707.5	QPSK	21.53	27.89
5MHz	1 RB low	707.5	16QAM	21.67	27.33
5MHz	1 RB mid	707.5	16QAM	21.71	27.12
5MHz	1 RB high	707.5	16QAM	21.58	26.66
5MHz	100% RB	707.5	16QAM	20.67	27.23
5MHz	1 RB low	713.5	QPSK	22.54	26.54
5MHz	1 RB mid	713.5	QPSK	22.65	26.88
5MHz	1 RB high	713.5	QPSK	22.56	26.92
5MHz	100% RB	713.5	QPSK	21.46	27.37
5MHz	1 RB low	713.5	16QAM	21.70	26.44
5MHz	1 RB mid	713.5	16QAM	21.82	26.78
5MHz	1 RB high	713.5	16QAM	21.74	26.83

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5MHz	100% RB	713.5	16QAM	20.50	27.03
10MHz	1 RB low	704	QPSK	22.59	27.04
10MHz	1 RB mid	704	QPSK	22.61	27.54
10MHz	1 RB high	704	QPSK	22.54	27.19
10MHz	100% RB	704	QPSK	21.72	27.84
10MHz	1 RB low	704	16QAM	21.81	26.82
10MHz	1 RB mid	704	16QAM	21.86	27.27
10MHz	1 RB high	704	16QAM	21.71	26.88
10MHz	100% RB	704	16QAM	20.70	27.65
10MHz	1 RB low	707.5	QPSK	22.63	27.45
10MHz	1 RB mid	707.5	QPSK	22.61	27.37
10MHz	1 RB high	707.5	QPSK	22.48	26.81
10MHz	100% RB	707.5	QPSK	21.57	27.63
10MHz	1 RB low	707.5	16QAM	21.52	27.38
10MHz	1 RB mid	707.5	16QAM	21.50	27.34
10MHz	1 RB high	707.5	16QAM	21.40	26.69
10MHz	100% RB	707.5	16QAM	20.63	27.59
10MHz	1 RB low	711	QPSK	22.56	27.66
10MHz	1 RB mid	711	QPSK	22.48	26.84
10MHz	1 RB high	711	QPSK	22.48	27.22
10MHz	100% RB	711	QPSK	21.53	27.47
10MHz	1 RB low	711	16QAM	21.77	27.40
10MHz	1 RB mid	711	16QAM	21.60	26.58
10MHz	1 RB high	711	16QAM	21.60	26.97
10MHz	100% RB	711	16QAM	20.56	27.22

LTE band 13

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Average Power (dBm)	Peak Power (dBm)
5MHz	1 RB low	779.5	QPSK	22.40	26.71
5MHz	1 RB mid	779.5	QPSK	22.41	26.69
5MHz	1 RB high	779.5	QPSK	22.24	26.72
5MHz	100% RB	779.5	QPSK	21.23	26.75
5MHz	1 RB low	779.5	16QAM	21.37	26.41
5MHz	1 RB mid	779.5	16QAM	21.38	26.44
5MHz	1 RB high	779.5	16QAM	21.26	26.47
5MHz	100% RB	779.5	16QAM	20.32	26.94
5MHz	1 RB low	782	QPSK	22.29	26.37
5MHz	1 RB mid	782	QPSK	22.29	26.57
5MHz	1 RB high	782	QPSK	22.16	26.71
5MHz	100% RB	782	QPSK	21.17	26.74
5MHz	1 RB low	782	16QAM	21.45	26.25
5MHz	1 RB mid	782	16QAM	21.49	26.49
5MHz	1 RB high	782	16QAM	21.38	26.66
5MHz	100% RB	782	16QAM	20.19	26.51
5MHz	1 RB low	784.5	QPSK	22.23	26.63
5MHz	1 RB mid	784.5	QPSK	22.22	26.80
5MHz	1 RB high	784.5	QPSK	22.13	26.84
5MHz	100% RB	784.5	QPSK	21.17	26.96
5MHz	1 RB low	784.5	16QAM	21.22	26.53
5MHz	1 RB mid	784.5	16QAM	21.26	26.75
5MHz	1 RB high	784.5	16QAM	21.16	26.78
5MHz	100% RB	784.5	16QAM	20.22	26.71
10MHz	1 RB low	782	QPSK	22.25	26.73
10MHz	1 RB mid	782	QPSK	22.17	26.75
10MHz	1 RB high	782	QPSK	22.07	27.05
10MHz	100% RB	782	QPSK	21.30	27.28
10MHz	1 RB low	782	16QAM	21.47	26.50
10MHz	1 RB mid	782	16QAM	21.35	26.45
10MHz	1 RB high	782	16QAM	21.30	26.81
10MHz	100% RB	782	16QAM	20.24	26.99
10MHz	1 RB low	782	QPSK	22.24	26.73

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10MHz	1 RB mid	782	QPSK	22.15	26.73
10MHz	1 RB high	782	QPSK	22.09	27.14
10MHz	100% RB	782	QPSK	21.24	27.24
10MHz	1 RB low	782	16QAM	21.44	26.49
10MHz	1 RB mid	782	16QAM	21.33	26.44
10MHz	1 RB high	782	16QAM	21.27	26.79
10MHz	100% RB	782	16QAM	20.24	27.24
10MHz	1 RB low	782	QPSK	22.27	26.74
10MHz	1 RB mid	782	QPSK	22.14	26.74
10MHz	1 RB high	782	QPSK	22.05	27.09
10MHz	100% RB	782	QPSK	21.23	27.16
10MHz	1 RB low	782	16QAM	21.45	26.50
10MHz	1 RB mid	782	16QAM	21.31	26.42
10MHz	1 RB high	782	16QAM	21.26	26.78
10MHz	100% RB	782	16QAM	20.21	26.82

LTE band 14

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Average Power (dBm)	Peak Power (dBm)
5MHz	1 RB low	790.5	QPSK	23.47	28.06
5MHz	1 RB mid	790.5	QPSK	23.53	27.88
5MHz	1 RB high	790.5	QPSK	23.45	27.70
5MHz	100% RB	790.5	QPSK	22.45	28.35
5MHz	1 RB low	790.5	16QAM	22.48	27.98
5MHz	1 RB mid	790.5	16QAM	22.52	27.80
5MHz	1 RB high	790.5	16QAM	22.46	27.61
5MHz	100% RB	790.5	16QAM	21.52	27.92
5MHz	1 RB low	793	QPSK	23.52	28.07
5MHz	1 RB mid	793	QPSK	23.55	27.89
5MHz	1 RB high	793	QPSK	23.51	28.09
5MHz	100% RB	793	QPSK	22.51	28.48
5MHz	1 RB low	793	16QAM	22.48	27.80
5MHz	1 RB mid	793	16QAM	22.54	27.64
5MHz	1 RB high	793	16QAM	22.52	27.82
5MHz	100% RB	793	16QAM	21.54	27.88
5MHz	1 RB low	795.5	QPSK	23.40	27.63
5MHz	1 RB mid	795.5	QPSK	23.45	27.86
5MHz	1 RB high	795.5	QPSK	23.40	27.86
5MHz	100% RB	795.5	QPSK	22.37	28.14
5MHz	1 RB low	795.5	16QAM	22.55	27.52
5MHz	1 RB mid	795.5	16QAM	22.67	27.80
5MHz	1 RB high	795.5	16QAM	22.59	27.79
5MHz	100% RB	795.5	16QAM	21.38	27.99
10MHz	1 RB low	793	QPSK	23.44	28.36
10MHz	1 RB mid	793	QPSK	23.39	27.95
10MHz	1 RB high	793	QPSK	23.40	28.14
10MHz	100% RB	793	QPSK	22.48	28.81
10MHz	1 RB low	793	16QAM	22.62	28.04
10MHz	1 RB mid	793	16QAM	22.52	27.65
10MHz	1 RB high	793	16QAM	22.61	27.85
10MHz	100% RB	793	16QAM	21.50	28.24
10MHz	1 RB low	793	QPSK	23.41	28.34

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10MHz	1 RB mid	793	QPSK	23.36	27.94
10MHz	1 RB high	793	QPSK	23.43	28.15
10MHz	100% RB	793	QPSK	22.47	28.79
10MHz	1 RB low	793	16QAM	22.60	28.01
10MHz	1 RB mid	793	16QAM	22.60	27.69
10MHz	1 RB high	793	16QAM	22.61	27.83
10MHz	100% RB	793	16QAM	21.41	28.17
10MHz	1 RB low	793	QPSK	23.37	28.29
10MHz	1 RB mid	793	QPSK	23.35	27.93
10MHz	1 RB high	793	QPSK	23.39	28.13
10MHz	100% RB	793	QPSK	22.43	28.17
10MHz	1 RB low	793	16QAM	22.59	28.01
10MHz	1 RB mid	793	16QAM	22.54	27.65
10MHz	1 RB high	793	16QAM	22.58	27.81
10MHz	100% RB	793	16QAM	21.48	27.96

LTE band 17

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Average Power (dBm)	Peak Power (dBm)
5MHz	1 RB low	706.5	QPSK	22.73	27.79
5MHz	1 RB mid	706.5	QPSK	22.81	27.62
5MHz	1 RB high	706.5	QPSK	22.72	27.21
5MHz	100% RB	706.5	QPSK	21.77	27.84
5MHz	1 RB low	706.5	16QAM	21.79	27.43
5MHz	1 RB mid	706.5	16QAM	21.92	27.45
5MHz	1 RB high	706.5	16QAM	21.79	26.88
5MHz	100% RB	706.5	16QAM	20.82	27.54
5MHz	1 RB low	710	QPSK	22.67	27.40
5MHz	1 RB mid	710	QPSK	22.69	26.91
5MHz	1 RB high	710	QPSK	22.70	26.92
5MHz	100% RB	710	QPSK	21.67	27.28
5MHz	1 RB low	710	16QAM	21.89	27.19
5MHz	1 RB mid	710	16QAM	21.83	26.69
5MHz	1 RB high	710	16QAM	21.90	26.62
5MHz	100% RB	710	16QAM	20.70	27.10
5MHz	1 RB low	713.5	QPSK	22.55	26.58
5MHz	1 RB mid	713.5	QPSK	22.69	26.94
5MHz	1 RB high	713.5	QPSK	22.61	26.98
5MHz	100% RB	713.5	QPSK	21.56	27.34
5MHz	1 RB low	713.5	16QAM	21.56	26.50
5MHz	1 RB mid	713.5	16QAM	21.71	26.87
5MHz	1 RB high	713.5	16QAM	21.57	26.87
5MHz	100% RB	713.5	16QAM	20.60	27.15
10MHz	1 RB low	709	QPSK	22.65	27.63
10MHz	1 RB mid	709	QPSK	22.60	27.04
10MHz	1 RB high	709	QPSK	22.60	27.07
10MHz	100% RB	709	QPSK	21.75	27.36
10MHz	1 RB low	709	16QAM	21.83	27.31
10MHz	1 RB mid	709	16QAM	21.79	26.78
10MHz	1 RB high	709	16QAM	21.81	26.80
10MHz	100% RB	709	16QAM	20.74	27.40

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10MHz	1 RB low	710	QPSK	22.70	27.64
10MHz	1 RB mid	710	QPSK	22.62	26.88
10MHz	1 RB high	710	QPSK	22.64	27.25
10MHz	100% RB	710	QPSK	21.73	27.26
10MHz	1 RB low	710	16QAM	21.57	27.55
10MHz	1 RB mid	710	16QAM	21.48	26.77
10MHz	1 RB high	710	16QAM	21.55	27.17

10MHz	100% RB	710	16QAM	20.76	27.33
10MHz	1 RB low	711	QPSK	22.70	27.74
10MHz	1 RB mid	711	QPSK	22.57	26.88
10MHz	1 RB high	711	QPSK	22.60	27.31
10MHz	100% RB	711	QPSK	21.68	27.14
10MHz	1 RB low	711	16QAM	21.91	27.50
10MHz	1 RB mid	711	16QAM	21.72	26.66
10MHz	1 RB high	711	16QAM	21.76	27.06
10MHz	100% RB	711	16QAM	20.75	27.33

LTE band 25

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Average Power (dBm)	Peak Power (dBm)
1.4MHz	1 RB low	1850.7	QPSK	22.34	27.65
1.4MHz	1 RB mid	1850.7	QPSK	22.38	27.66
1.4MHz	1 RB high	1850.7	QPSK	22.35	27.66
1.4MHz	100% RB	1850.7	QPSK	21.31	27.61
1.4MHz	1 RB low	1850.7	16QAM	21.23	27.59
1.4MHz	1 RB mid	1850.7	16QAM	21.34	27.59
1.4MHz	1 RB high	1850.7	16QAM	21.21	27.62
1.4MHz	100% RB	1850.7	16QAM	20.33	27.06
1.4MHz	1 RB low	1882.5	QPSK	22.24	27.65
1.4MHz	1 RB mid	1882.5	QPSK	22.27	27.61
1.4MHz	1 RB high	1882.5	QPSK	22.24	27.66
1.4MHz	100% RB	1882.5	QPSK	21.25	27.52
1.4MHz	1 RB low	1882.5	16QAM	21.36	27.27
1.4MHz	1 RB mid	1882.5	16QAM	21.47	27.36
1.4MHz	1 RB high	1882.5	16QAM	21.36	27.19
1.4MHz	100% RB	1882.5	16QAM	20.18	27.23
1.4MHz	1 RB low	1914.3	QPSK	22.92	28.58
1.4MHz	1 RB mid	1914.3	QPSK	22.94	28.34
1.4MHz	1 RB high	1914.3	QPSK	22.92	28.27
1.4MHz	100% RB	1914.3	QPSK	21.88	27.90
1.4MHz	1 RB low	1914.3	16QAM	22.11	28.22
1.4MHz	1 RB mid	1914.3	16QAM	22.14	28.01
1.4MHz	1 RB high	1914.3	16QAM	22.06	27.95
1.4MHz	100% RB	1914.3	16QAM	20.97	28.03
3MHz	1 RB low	1851.5	QPSK	22.30	27.56
3MHz	1 RB mid	1851.5	QPSK	22.38	27.61
3MHz	1 RB high	1851.5	QPSK	22.32	27.62
3MHz	100% RB	1851.5	QPSK	21.39	27.24
3MHz	1 RB low	1851.5	16QAM	21.54	27.25
3MHz	1 RB mid	1851.5	16QAM	21.56	27.21
3MHz	1 RB high	1851.5	16QAM	21.51	27.28
3MHz	100% RB	1851.5	16QAM	20.42	27.13
3MHz	1 RB low	1882.5	QPSK	22.37	27.48
3MHz	1 RB mid	1882.5	QPSK	22.41	27.52

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3MHz	1 RB high	1882.5	QPSK	22.37	27.80
3MHz	100% RB	1882.5	QPSK	21.38	27.17
3MHz	1 RB low	1882.5	16QAM	21.18	27.34
3MHz	1 RB mid	1882.5	16QAM	21.30	27.43
3MHz	1 RB high	1882.5	16QAM	21.27	27.77
3MHz	100% RB	1882.5	16QAM	20.30	27.40
3MHz	1 RB low	1913.5	QPSK	23.03	28.65
3MHz	1 RB mid	1913.5	QPSK	22.97	28.45
3MHz	1 RB high	1913.5	QPSK	22.99	28.24
3MHz	100% RB	1913.5	QPSK	22.04	28.28
3MHz	1 RB low	1913.5	16QAM	22.14	28.19
3MHz	1 RB mid	1913.5	16QAM	22.15	28.17
3MHz	1 RB high	1913.5	16QAM	22.09	27.93
3MHz	100% RB	1913.5	16QAM	20.96	27.95
5MHz	1 RB low	1852.5	QPSK	22.44	27.40
5MHz	1 RB mid	1852.5	QPSK	22.54	27.49
5MHz	1 RB high	1852.5	QPSK	22.45	27.51
5MHz	100% RB	1852.5	QPSK	21.45	27.78
5MHz	1 RB low	1852.5	16QAM	21.43	27.31
5MHz	1 RB mid	1852.5	16QAM	21.57	27.41
5MHz	1 RB high	1852.5	16QAM	21.50	27.44
5MHz	100% RB	1852.5	16QAM	20.46	27.61
5MHz	1 RB low	1882.5	QPSK	22.42	27.36
5MHz	1 RB mid	1882.5	QPSK	22.56	27.57
5MHz	1 RB high	1882.5	QPSK	22.52	27.98
5MHz	100% RB	1882.5	QPSK	21.38	27.96
5MHz	1 RB low	1882.5	16QAM	21.36	27.00
5MHz	1 RB mid	1882.5	16QAM	21.56	27.33
5MHz	1 RB high	1882.5	16QAM	21.54	27.67
5MHz	100% RB	1882.5	16QAM	20.48	27.01
5MHz	1 RB low	1912.5	QPSK	23.09	28.18
5MHz	1 RB mid	1912.5	QPSK	23.16	28.17
5MHz	1 RB high	1912.5	QPSK	23.02	27.85
5MHz	100% RB	1912.5	QPSK	22.03	28.28
5MHz	1 RB low	1912.5	16QAM	22.31	28.12
5MHz	1 RB mid	1912.5	16QAM	22.34	28.08
5MHz	1 RB high	1912.5	16QAM	22.19	27.76
5MHz	100% RB	1912.5	16QAM	21.03	27.96

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10MHz	1 RB low	1855	QPSK	22.55	27.77
10MHz	1 RB mid	1855	QPSK	22.49	27.81
10MHz	1 RB high	1855	QPSK	22.54	28.13
10MHz	100% RB	1855	QPSK	21.56	27.74
10MHz	1 RB low	1855	16QAM	21.75	27.42
10MHz	1 RB mid	1855	16QAM	21.72	27.47
10MHz	1 RB high	1855	16QAM	21.77	27.79
10MHz	100% RB	1855	16QAM	20.55	27.47
10MHz	1 RB low	1882.5	QPSK	22.45	27.36
10MHz	1 RB mid	1882.5	QPSK	22.47	27.78
10MHz	1 RB high	1882.5	QPSK	22.66	28.22
10MHz	100% RB	1882.5	QPSK	21.44	27.72
10MHz	1 RB low	1882.5	16QAM	21.37	27.29
10MHz	1 RB mid	1882.5	16QAM	21.34	27.69
10MHz	1 RB high	1882.5	16QAM	21.57	28.19
10MHz	100% RB	1882.5	16QAM	20.47	27.58
10MHz	1 RB low	1910	QPSK	23.15	28.23
10MHz	1 RB mid	1910	QPSK	23.07	28.67
10MHz	1 RB high	1910	QPSK	22.95	28.30
10MHz	100% RB	1910	QPSK	22.12	28.76
10MHz	1 RB low	1910	16QAM	22.35	28.04
10MHz	1 RB mid	1910	16QAM	22.27	28.35
10MHz	1 RB high	1910	16QAM	22.15	28.10
10MHz	100% RB	1910	16QAM	21.17	28.68
15MHz	1 RB low	1857.5	QPSK	22.57	27.79
15MHz	1 RB mid	1857.5	QPSK	22.64	28.22
15MHz	1 RB high	1857.5	QPSK	22.55	28.13
15MHz	100% RB	1857.5	QPSK	21.61	28.03
15MHz	1 RB low	1857.5	16QAM	21.75	27.66
15MHz	1 RB mid	1857.5	16QAM	21.86	27.85
15MHz	1 RB high	1857.5	16QAM	21.79	27.77
15MHz	100% RB	1857.5	16QAM	20.66	27.90
15MHz	1 RB low	1882.5	QPSK	22.36	27.31
15MHz	1 RB mid	1882.5	QPSK	22.44	27.73
15MHz	1 RB high	1882.5	QPSK	22.67	28.23
15MHz	100% RB	1882.5	QPSK	21.45	27.61
15MHz	1 RB low	1882.5	16QAM	21.14	27.13
15MHz	1 RB mid	1882.5	16QAM	21.29	27.67

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15MHz	1 RB high	1882.5	16QAM	21.51	28.14
15MHz	100% RB	1882.5	16QAM	20.40	27.36
15MHz	1 RB low	1907.5	QPSK	23.04	28.21
15MHz	1 RB mid	1907.5	QPSK	23.05	28.38
15MHz	1 RB high	1907.5	QPSK	22.85	28.28
15MHz	100% RB	1907.5	QPSK	22.14	28.77
15MHz	1 RB low	1907.5	16QAM	22.42	28.05
15MHz	1 RB mid	1907.5	16QAM	22.33	28.14
15MHz	1 RB high	1907.5	16QAM	22.19	28.06
15MHz	100% RB	1907.5	16QAM	21.14	28.26
20MHz	1 RB low	1860	QPSK	22.69	27.90
20MHz	1 RB mid	1860	QPSK	22.76	28.32
20MHz	1 RB high	1860	QPSK	22.53	27.91
20MHz	100% RB	1860	QPSK	21.54	27.99
20MHz	1 RB low	1860	16QAM	21.73	27.60
20MHz	1 RB mid	1860	16QAM	21.79	27.97
20MHz	1 RB high	1860	16QAM	21.58	27.67
20MHz	100% RB	1860	16QAM	20.52	27.77
20MHz	1 RB low	1882.5	QPSK	22.25	27.71
20MHz	1 RB mid	1882.5	QPSK	22.31	27.74
20MHz	1 RB high	1882.5	QPSK	22.67	28.46
20MHz	100% RB	1882.5	QPSK	21.43	27.42
20MHz	1 RB low	1882.5	16QAM	21.37	26.65
20MHz	1 RB mid	1882.5	16QAM	21.44	26.68
20MHz	1 RB high	1882.5	16QAM	21.79	27.21
20MHz	100% RB	1882.5	16QAM	20.45	27.60
20MHz	1 RB low	1905	QPSK	23.02	28.40
20MHz	1 RB mid	1905	QPSK	23.07	27.96
20MHz	1 RB high	1905	QPSK	22.93	28.27
20MHz	100% RB	1905	QPSK	22.09	27.99
20MHz	1 RB low	1905	16QAM	22.20	28.49
20MHz	1 RB mid	1905	16QAM	22.30	28.04
20MHz	1 RB high	1905	16QAM	22.15	28.37
20MHz	100% RB	1905	16QAM	21.08	28.29

LTE band 26 Part 22

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Average Power (dBm)	Peak Power (dBm)
1.4MHz	1 RB low	824.7	QPSK	23.68	28.22
1.4MHz	1 RB mid	824.7	QPSK	23.70	28.36
1.4MHz	1 RB high	824.7	QPSK	23.61	28.42
1.4MHz	100% RB	824.7	QPSK	22.72	28.27
1.4MHz	1 RB low	824.7	16QAM	22.78	27.99
1.4MHz	1 RB mid	824.7	16QAM	22.88	28.13
1.4MHz	1 RB high	824.7	16QAM	22.74	28.18
1.4MHz	100% RB	824.7	16QAM	21.78	28.38
1.4MHz	1 RB low	836.5	QPSK	23.78	27.90
1.4MHz	1 RB mid	836.5	QPSK	23.85	27.96
1.4MHz	1 RB high	836.5	QPSK	23.77	27.90
1.4MHz	100% RB	836.5	QPSK	22.80	28.30
1.4MHz	1 RB low	836.5	16QAM	22.65	27.79
1.4MHz	1 RB mid	836.5	16QAM	22.68	27.82
1.4MHz	1 RB high	836.5	16QAM	22.67	27.70
1.4MHz	100% RB	836.5	16QAM	21.78	27.80
1.4MHz	1 RB low	848.3	QPSK	23.88	27.11
1.4MHz	1 RB mid	848.3	QPSK	23.89	26.95
1.4MHz	1 RB high	848.3	QPSK	23.85	26.90
1.4MHz	100% RB	848.3	QPSK	22.95	27.72
1.4MHz	1 RB low	848.3	16QAM	22.81	26.94
1.4MHz	1 RB mid	848.3	16QAM	22.85	26.77
1.4MHz	1 RB high	848.3	16QAM	22.98	26.72
1.4MHz	100% RB	848.3	16QAM	21.86	27.49
3MHz	1 RB low	825.5	QPSK	23.76	28.20
3MHz	1 RB mid	825.5	QPSK	23.70	28.40
3MHz	1 RB high	825.5	QPSK	23.67	28.60
3MHz	100% RB	825.5	QPSK	22.77	28.54
3MHz	1 RB low	825.5	16QAM	22.89	28.05
3MHz	1 RB mid	825.5	16QAM	22.89	28.11
3MHz	1 RB high	825.5	16QAM	22.83	28.25
3MHz	100% RB	825.5	16QAM	21.85	28.29
3MHz	1 RB low	836.5	QPSK	23.80	28.03
3MHz	1 RB mid	836.5	QPSK	23.83	27.93
3MHz	1 RB high	836.5	QPSK	23.84	27.82

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3MHz	100% RB	836.5	QPSK	22.76	27.88
3MHz	1 RB low	836.5	16QAM	22.63	27.91
3MHz	1 RB mid	836.5	16QAM	22.71	27.69
3MHz	1 RB high	836.5	16QAM	22.72	27.62
3MHz	100% RB	836.5	16QAM	21.66	28.24
3MHz	1 RB low	847.5	QPSK	23.95	27.79
3MHz	1 RB mid	847.5	QPSK	23.90	27.15
3MHz	1 RB high	847.5	QPSK	23.95	26.93
3MHz	100% RB	847.5	QPSK	22.94	27.87
3MHz	1 RB low	847.5	16QAM	22.99	27.53
3MHz	1 RB mid	847.5	16QAM	22.94	27.02
3MHz	1 RB high	847.5	16QAM	22.88	26.77
3MHz	100% RB	847.5	16QAM	21.83	27.95
5MHz	1 RB low	826.5	QPSK	23.87	28.09
5MHz	1 RB mid	826.5	QPSK	23.87	28.43
5MHz	1 RB high	826.5	QPSK	23.71	28.44
5MHz	100% RB	826.5	QPSK	22.82	28.89
5MHz	1 RB low	826.5	16QAM	22.81	28.00
5MHz	1 RB mid	826.5	16QAM	22.85	28.33
5MHz	1 RB high	826.5	16QAM	22.76	28.38
5MHz	100% RB	826.5	16QAM	21.83	28.66
5MHz	1 RB low	836.5	QPSK	23.84	28.19
5MHz	1 RB mid	836.5	QPSK	23.95	27.92
5MHz	1 RB high	836.5	QPSK	23.85	27.79
5MHz	100% RB	836.5	QPSK	22.74	28.01
5MHz	1 RB low	836.5	16QAM	22.79	27.92
5MHz	1 RB mid	836.5	16QAM	22.93	27.63
5MHz	1 RB high	836.5	16QAM	22.83	27.46
5MHz	100% RB	836.5	16QAM	21.78	27.87
5MHz	1 RB low	846.5	QPSK	23.99	28.04
5MHz	1 RB mid	846.5	QPSK	24.02	27.41
5MHz	1 RB high	846.5	QPSK	23.94	26.82
5MHz	100% RB	846.5	QPSK	22.95	28.33
5MHz	1 RB low	846.5	16QAM	23.20	27.97
5MHz	1 RB mid	846.5	16QAM	23.13	27.34
5MHz	1 RB high	846.5	16QAM	22.99	26.72
5MHz	100% RB	846.5	16QAM	21.94	27.88
10MHz	1 RB low	829	QPSK	23.76	28.26

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10MHz	1 RB mid	829	QPSK	23.69	28.65
10MHz	1 RB high	829	QPSK	23.64	28.31
10MHz	100% RB	829	QPSK	22.82	29.34
10MHz	1 RB low	829	16QAM	22.98	28.08
10MHz	1 RB mid	829	16QAM	22.90	28.34
10MHz	1 RB high	829	16QAM	22.80	27.98
10MHz	100% RB	829	16QAM	21.83	28.60
10MHz	1 RB low	836.5	QPSK	23.80	28.61
10MHz	1 RB mid	836.5	QPSK	23.84	27.96
10MHz	1 RB high	836.5	QPSK	23.76	27.97
10MHz	100% RB	836.5	QPSK	22.74	28.02
10MHz	1 RB low	836.5	16QAM	22.69	28.53
10MHz	1 RB mid	836.5	16QAM	22.72	27.86
10MHz	1 RB high	836.5	16QAM	22.71	27.86
10MHz	100% RB	836.5	16QAM	21.77	28.32
10MHz	1 RB low	844	QPSK	23.87	27.96
10MHz	1 RB mid	844	QPSK	23.88	28.32
10MHz	1 RB high	844	QPSK	23.86	26.95
10MHz	100% RB	844	QPSK	22.86	28.48
10MHz	1 RB low	844	16QAM	23.00	27.77
10MHz	1 RB mid	844	16QAM	23.04	28.10
10MHz	1 RB high	844	16QAM	22.82	26.79
10MHz	100% RB	844	16QAM	21.86	28.42
15MHz	1 RB low	831.5	QPSK	23.87	28.45
15MHz	1 RB mid	831.5	QPSK	23.67	28.54
15MHz	1 RB high	831.5	QPSK	23.69	27.75
15MHz	100% RB	831.5	QPSK	22.77	28.75
15MHz	1 RB low	831.5	16QAM	23.06	28.21
15MHz	1 RB mid	831.5	16QAM	22.89	28.23
15MHz	1 RB high	831.5	16QAM	22.87	27.50
15MHz	100% RB	831.5	16QAM	21.71	28.45
15MHz	1 RB low	836.5	QPSK	23.87	28.85
15MHz	1 RB mid	836.5	QPSK	23.83	27.97
15MHz	1 RB high	836.5	QPSK	23.85	28.22
15MHz	100% RB	836.5	QPSK	22.79	28.55
15MHz	1 RB low	836.5	16QAM	22.77	28.77
15MHz	1 RB mid	836.5	16QAM	22.74	27.86
15MHz	1 RB high	836.5	16QAM	22.82	28.17

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15MHz	100% RB	836.5	16QAM	21.85	28.32
15MHz	1 RB low	841.5	QPSK	23.87	28.36
15MHz	1 RB mid	841.5	QPSK	23.81	28.07
15MHz	1 RB high	841.5	QPSK	23.93	26.98
15MHz	100% RB	841.5	QPSK	23.03	28.84
15MHz	1 RB low	841.5	16QAM	23.11	28.11
15MHz	1 RB mid	841.5	16QAM	23.13	27.98
15MHz	1 RB high	841.5	16QAM	23.04	26.82
15MHz	100% RB	841.5	16QAM	21.99	28.39

LTE band 26 Part 90

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Average Power (dBm)	Peak Power (dBm)
1.4MHz	1 RB low	814.7	QPSK	23.79	28.30
1.4MHz	1 RB mid	814.7	QPSK	23.82	28.26
1.4MHz	1 RB high	814.7	QPSK	23.74	28.19
1.4MHz	100% RB	814.7	QPSK	22.76	28.55
1.4MHz	1 RB low	814.7	16QAM	22.65	28.19
1.4MHz	1 RB mid	814.7	16QAM	22.69	28.13
1.4MHz	1 RB high	814.7	16QAM	22.58	28.10
1.4MHz	100% RB	814.7	16QAM	21.76	27.89
1.4MHz	1 RB low	819	QPSK	23.69	27.80
1.4MHz	1 RB mid	819	QPSK	23.70	27.75
1.4MHz	1 RB high	819	QPSK	23.65	27.71
1.4MHz	100% RB	819	QPSK	22.75	28.01
1.4MHz	1 RB low	819	16QAM	22.72	27.59
1.4MHz	1 RB mid	819	16QAM	22.81	27.57
1.4MHz	1 RB high	819	16QAM	22.76	27.49
1.4MHz	100% RB	819	16QAM	21.61	27.70
1.4MHz	1 RB low	823.3	QPSK	23.64	27.94
1.4MHz	1 RB mid	823.3	QPSK	23.62	28.00
1.4MHz	1 RB high	823.3	QPSK	23.70	28.12
1.4MHz	100% RB	823.3	QPSK	22.72	28.04
1.4MHz	1 RB low	823.3	16QAM	22.70	27.71
1.4MHz	1 RB mid	823.3	16QAM	22.73	27.75
1.4MHz	1 RB high	823.3	16QAM	22.75	27.90
1.4MHz	100% RB	823.3	16QAM	21.79	28.14
3MHz	1 RB low	815.5	QPSK	23.91	28.37
3MHz	1 RB mid	815.5	QPSK	23.83	28.17
3MHz	1 RB high	815.5	QPSK	23.80	28.03
3MHz	100% RB	815.5	QPSK	22.86	28.11
3MHz	1 RB low	815.5	16QAM	22.75	28.25
3MHz	1 RB mid	815.5	16QAM	22.71	28.03
3MHz	1 RB high	815.5	16QAM	22.67	27.92
3MHz	100% RB	815.5	16QAM	21.78	28.54
3MHz	1 RB low	819	QPSK	23.83	27.97
3MHz	1 RB mid	819	QPSK	23.70	27.73

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3MHz	1 RB high	819	QPSK	23.73	27.72
3MHz	100% RB	819	QPSK	22.77	27.73
3MHz	1 RB low	819	16QAM	22.84	27.58
3MHz	1 RB mid	819	16QAM	22.85	27.57
3MHz	1 RB high	819	16QAM	22.78	27.52
3MHz	100% RB	819	16QAM	21.70	27.59
3MHz	1 RB low	822.5	QPSK	23.68	27.68
3MHz	1 RB mid	822.5	QPSK	23.63	27.79
3MHz	1 RB high	822.5	QPSK	23.69	28.01
3MHz	100% RB	822.5	QPSK	22.83	28.44
3MHz	1 RB low	822.5	16QAM	22.83	27.48
3MHz	1 RB mid	822.5	16QAM	22.80	27.55
3MHz	1 RB high	822.5	16QAM	22.86	27.80
3MHz	100% RB	822.5	16QAM	21.82	27.89
5MHz	1 RB low	816.5	QPSK	23.96	28.37
5MHz	1 RB mid	816.5	QPSK	23.93	28.04
5MHz	1 RB high	816.5	QPSK	23.83	27.65
5MHz	100% RB	816.5	QPSK	22.83	28.15
5MHz	1 RB low	816.5	16QAM	22.92	28.09
5MHz	1 RB mid	816.5	16QAM	22.91	27.82
5MHz	1 RB high	816.5	16QAM	22.80	27.43
5MHz	100% RB	816.5	16QAM	21.89	27.96
5MHz	1 RB low	819	QPSK	23.87	27.78
5MHz	1 RB mid	819	QPSK	23.85	27.56
5MHz	1 RB high	819	QPSK	23.73	27.54
5MHz	100% RB	819	QPSK	22.81	27.94
5MHz	1 RB low	819	16QAM	23.03	27.69
5MHz	1 RB mid	819	16QAM	23.04	27.51
5MHz	1 RB high	819	16QAM	22.89	27.46
5MHz	100% RB	819	16QAM	21.75	27.84
5MHz	1 RB low	821.5	QPSK	23.84	27.51
5MHz	1 RB mid	821.5	QPSK	23.80	27.61
5MHz	1 RB high	821.5	QPSK	23.64	27.84
5MHz	100% RB	821.5	QPSK	22.73	28.12
5MHz	1 RB low	821.5	16QAM	22.78	27.43
5MHz	1 RB mid	821.5	16QAM	22.81	27.55
5MHz	1 RB high	821.5	16QAM	22.71	27.80
5MHz	100% RB	821.5	16QAM	21.77	28.08

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10MHz	1 RB low	819	QPSK	23.90	28.37
10MHz	1 RB mid	819	QPSK	23.78	27.75
10MHz	1 RB high	819	QPSK	23.65	28.01
10MHz	100% RB	819	QPSK	22.83	28.18
10MHz	1 RB low	819	16QAM	22.83	28.31
10MHz	1 RB mid	819	16QAM	22.62	27.63
10MHz	1 RB high	819	16QAM	22.52	27.90
10MHz	100% RB	819	16QAM	21.79	27.81
10MHz	1 RB low	819	QPSK	23.91	28.37
10MHz	1 RB mid	819	QPSK	23.77	27.74
10MHz	1 RB high	819	QPSK	23.64	28.02
10MHz	100% RB	819	QPSK	22.83	28.38
10MHz	1 RB low	819	16QAM	22.81	28.30
10MHz	1 RB mid	819	16QAM	22.67	27.65
10MHz	1 RB high	819	16QAM	22.51	27.90
10MHz	100% RB	819	16QAM	21.85	27.87
10MHz	1 RB low	819	QPSK	23.94	28.39
10MHz	1 RB mid	819	QPSK	23.78	27.74
10MHz	1 RB high	819	QPSK	23.63	28.01
10MHz	100% RB	819	QPSK	22.83	28.16
10MHz	1 RB low	819	16QAM	22.80	28.28
10MHz	1 RB mid	819	16QAM	22.62	27.63
10MHz	1 RB high	819	16QAM	22.54	27.92
10MHz	100% RB	819	16QAM	21.86	28.01

LTE band 66

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Average Power (dBm)	Peak Power (dBm)
1.4MHz	1 RB low	1710.7	QPSK	24.80	30.35
1.4MHz	1 RB mid	1710.7	QPSK	24.80	30.58
1.4MHz	1 RB high	1710.7	QPSK	24.70	30.50
1.4MHz	100% RB	1710.7	QPSK	23.74	29.65
1.4MHz	1 RB low	1710.7	16QAM	23.86	30.15
1.4MHz	1 RB mid	1710.7	16QAM	23.95	30.08
1.4MHz	1 RB high	1710.7	16QAM	23.83	30.11
1.4MHz	100% RB	1710.7	16QAM	22.80	29.82
1.4MHz	1 RB low	1745	QPSK	24.18	29.52
1.4MHz	1 RB mid	1745	QPSK	24.31	29.58
1.4MHz	1 RB high	1745	QPSK	24.22	29.52
1.4MHz	100% RB	1745	QPSK	23.19	29.69
1.4MHz	1 RB low	1745	16QAM	23.07	29.48
1.4MHz	1 RB mid	1745	16QAM	23.19	29.46
1.4MHz	1 RB high	1745	16QAM	23.06	29.50
1.4MHz	100% RB	1745	16QAM	22.24	28.86
1.4MHz	1 RB low	1779.3	QPSK	24.40	29.77
1.4MHz	1 RB mid	1779.3	QPSK	24.46	29.74
1.4MHz	1 RB high	1779.3	QPSK	24.42	29.78
1.4MHz	100% RB	1779.3	QPSK	23.42	29.61
1.4MHz	1 RB low	1779.3	16QAM	23.48	29.31
1.4MHz	1 RB mid	1779.3	16QAM	23.62	29.42
1.4MHz	1 RB high	1779.3	16QAM	23.54	29.27
1.4MHz	100% RB	1779.3	16QAM	22.34	29.32
3MHz	1 RB low	1711.5	QPSK	24.59	30.07
3MHz	1 RB mid	1711.5	QPSK	24.71	30.12
3MHz	1 RB high	1711.5	QPSK	24.58	30.04
3MHz	100% RB	1711.5	QPSK	23.78	29.54
3MHz	1 RB low	1711.5	16QAM	23.79	29.74
3MHz	1 RB mid	1711.5	16QAM	23.89	29.76
3MHz	1 RB high	1711.5	16QAM	23.76	29.71
3MHz	100% RB	1711.5	16QAM	22.81	29.55
3MHz	1 RB low	1745	QPSK	24.20	29.45

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3MHz	1 RB mid	1745	QPSK	24.29	29.49
3MHz	1 RB high	1745	QPSK	24.14	29.40
3MHz	100% RB	1745	QPSK	23.26	29.21
3MHz	1 RB low	1745	16QAM	23.03	29.36
3MHz	1 RB mid	1745	16QAM	23.17	29.42
3MHz	1 RB high	1745	16QAM	23.01	29.34
3MHz	100% RB	1745	16QAM	22.20	29.71
3MHz	1 RB low	1778.5	QPSK	24.35	29.66
3MHz	1 RB mid	1778.5	QPSK	24.47	29.71
3MHz	1 RB high	1778.5	QPSK	24.39	29.67
3MHz	100% RB	1778.5	QPSK	23.48	29.54
3MHz	1 RB low	1778.5	16QAM	23.46	29.21
3MHz	1 RB mid	1778.5	16QAM	23.62	29.39
3MHz	1 RB high	1778.5	16QAM	23.47	29.23
3MHz	100% RB	1778.5	16QAM	22.44	29.54
5MHz	1 RB low	1712.5	QPSK	24.69	29.85
5MHz	1 RB mid	1712.5	QPSK	24.83	29.88
5MHz	1 RB high	1712.5	QPSK	24.58	29.74
5MHz	100% RB	1712.5	QPSK	23.68	29.80
5MHz	1 RB low	1712.5	16QAM	23.69	29.78
5MHz	1 RB mid	1712.5	16QAM	23.87	29.87
5MHz	1 RB high	1712.5	16QAM	23.60	29.68
5MHz	100% RB	1712.5	16QAM	22.72	29.67
5MHz	1 RB low	1745	QPSK	24.18	29.41
5MHz	1 RB mid	1745	QPSK	24.41	29.53
5MHz	1 RB high	1745	QPSK	24.19	29.42
5MHz	100% RB	1745	QPSK	23.18	29.09
5MHz	1 RB low	1745	16QAM	23.14	29.03
5MHz	1 RB mid	1745	16QAM	23.39	29.22
5MHz	1 RB high	1745	16QAM	23.19	29.06
5MHz	100% RB	1745	16QAM	22.25	29.01
5MHz	1 RB low	1777.5	QPSK	24.34	29.18
5MHz	1 RB mid	1777.5	QPSK	24.58	29.30
5MHz	1 RB high	1777.5	QPSK	24.37	29.15
5MHz	100% RB	1777.5	QPSK	23.44	29.24
5MHz	1 RB low	1777.5	16QAM	23.54	29.09
5MHz	1 RB mid	1777.5	16QAM	23.78	29.23
5MHz	1 RB high	1777.5	16QAM	23.57	29.08

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5MHz	100% RB	1777.5	16QAM	22.43	29.33
10MHz	1 RB low	1715	QPSK	24.69	30.10
10MHz	1 RB mid	1715	QPSK	24.65	30.07
10MHz	1 RB high	1715	QPSK	24.56	29.97
10MHz	100% RB	1715	QPSK	23.66	30.44
10MHz	1 RB low	1715	16QAM	23.91	29.80
10MHz	1 RB mid	1715	16QAM	23.85	29.75
10MHz	1 RB high	1715	16QAM	23.76	29.61
10MHz	100% RB	1715	16QAM	22.64	29.59
10MHz	1 RB low	1745	QPSK	24.27	29.53
10MHz	1 RB mid	1745	QPSK	24.37	29.58
10MHz	1 RB high	1745	QPSK	24.29	29.54
10MHz	100% RB	1745	QPSK	23.28	29.59
10MHz	1 RB low	1745	16QAM	23.16	29.45
10MHz	1 RB mid	1745	16QAM	23.20	29.48
10MHz	1 RB high	1745	16QAM	23.15	29.43
10MHz	100% RB	1745	16QAM	22.31	29.33
10MHz	1 RB low	1775	QPSK	24.42	29.85
10MHz	1 RB mid	1775	QPSK	24.49	29.82
10MHz	1 RB high	1775	QPSK	24.44	29.74
10MHz	100% RB	1775	QPSK	23.44	29.50
10MHz	1 RB low	1775	16QAM	23.61	29.50
10MHz	1 RB mid	1775	16QAM	23.67	29.46
10MHz	1 RB high	1775	16QAM	23.62	29.43
10MHz	100% RB	1775	16QAM	22.49	29.63
15MHz	1 RB low	1717.5	QPSK	24.69	30.11
15MHz	1 RB mid	1717.5	QPSK	24.70	30.10
15MHz	1 RB high	1717.5	QPSK	24.52	29.93
15MHz	100% RB	1717.5	QPSK	23.58	30.10
15MHz	1 RB low	1717.5	16QAM	23.89	29.80
15MHz	1 RB mid	1717.5	16QAM	23.92	29.77
15MHz	1 RB high	1717.5	16QAM	23.78	29.62
15MHz	100% RB	1717.5	16QAM	22.61	29.82
15MHz	1 RB low	1745	QPSK	24.32	29.56
15MHz	1 RB mid	1745	QPSK	24.42	29.63
15MHz	1 RB high	1745	QPSK	24.33	29.57
15MHz	100% RB	1745	QPSK	23.24	29.62
15MHz	1 RB low	1745	16QAM	23.20	29.47

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15MHz	1 RB mid	1745	16QAM	23.31	29.58
15MHz	1 RB high	1745	16QAM	23.21	29.48
15MHz	100% RB	1745	16QAM	22.25	29.27
15MHz	1 RB low	1772.5	QPSK	24.42	29.79
15MHz	1 RB mid	1772.5	QPSK	24.52	29.80
15MHz	1 RB high	1772.5	QPSK	24.44	29.65
15MHz	100% RB	1772.5	QPSK	23.45	29.99
15MHz	1 RB low	1772.5	16QAM	23.73	29.53
15MHz	1 RB mid	1772.5	16QAM	23.82	29.53
15MHz	1 RB high	1772.5	16QAM	23.77	29.42
15MHz	100% RB	1772.5	16QAM	22.41	29.43
20MHz	1 RB low	1720	QPSK	24.78	30.17
20MHz	1 RB mid	1720	QPSK	24.81	30.15
20MHz	1 RB high	1720	QPSK	24.61	29.94
20MHz	100% RB	1720	QPSK	23.61	30.11
20MHz	1 RB low	1720	16QAM	23.82	29.90
20MHz	1 RB mid	1720	16QAM	23.82	29.79
20MHz	1 RB high	1720	16QAM	23.62	29.67
20MHz	100% RB	1720	16QAM	22.57	29.51
20MHz	1 RB low	1745	QPSK	24.20	29.71
20MHz	1 RB mid	1745	QPSK	24.26	29.79
20MHz	1 RB high	1745	QPSK	24.17	29.67
20MHz	100% RB	1745	QPSK	23.27	29.63
20MHz	1 RB low	1745	16QAM	23.31	28.53
20MHz	1 RB mid	1745	16QAM	23.37	28.57
20MHz	1 RB high	1745	16QAM	23.29	28.50
20MHz	100% RB	1745	16QAM	22.29	29.42
20MHz	1 RB low	1770	QPSK	24.45	29.68
20MHz	1 RB mid	1770	QPSK	24.58	29.73
20MHz	1 RB high	1770	QPSK	24.50	29.59
20MHz	100% RB	1770	QPSK	23.40	29.51
20MHz	1 RB low	1770	16QAM	23.63	29.76
20MHz	1 RB mid	1770	16QAM	23.73	29.78
20MHz	1 RB high	1770	16QAM	23.73	29.68
20MHz	100% RB	1770	16QAM	22.44	29.64

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Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Average Power (dBm)	Peak Power (dBm)
5MHz	1 RB low	665.5	QPSK	22.25	27.27
5MHz	1 RB mid	665.5	QPSK	24.33	28.39
5MHz	1 RB high	665.5	QPSK	24.04	28.63
5MHz	100% RB	665.5	QPSK	23.71	29.31
5MHz	1 RB low	665.5	16QAM	21.20	26.92
5MHz	1 RB mid	665.5	16QAM	23.42	28.25
5MHz	1 RB high	665.5	16QAM	23.14	28.44
5MHz	100% RB	665.5	16QAM	22.77	28.78
5MHz	1 RB low	680.5	QPSK	24.74	28.67
5MHz	1 RB mid	680.5	QPSK	24.81	28.66
5MHz	1 RB high	680.5	QPSK	24.77	28.79
5MHz	100% RB	680.5	QPSK	23.74	29.40
5MHz	1 RB low	680.5	16QAM	23.94	28.60
5MHz	1 RB mid	680.5	16QAM	23.99	28.59
5MHz	1 RB high	680.5	16QAM	23.93	28.70
5MHz	100% RB	680.5	16QAM	22.76	29.02
5MHz	1 RB low	695.5	QPSK	24.69	28.84
5MHz	1 RB mid	695.5	QPSK	24.71	28.63
5MHz	1 RB high	695.5	QPSK	24.60	28.37
5MHz	100% RB	695.5	QPSK	23.64	29.30
5MHz	1 RB low	695.5	16QAM	23.63	28.74
5MHz	1 RB mid	695.5	16QAM	23.70	28.58
5MHz	1 RB high	695.5	16QAM	23.58	28.31
5MHz	100% RB	695.5	16QAM	22.66	29.06
10MHz	1 RB low	668	QPSK	22.22	27.29
10MHz	1 RB mid	668	QPSK	23.68	28.48
10MHz	1 RB high	668	QPSK	23.02	28.24
10MHz	100% RB	668	QPSK	23.54	29.40
10MHz	1 RB low	668	16QAM	21.30	26.90
10MHz	1 RB mid	668	16QAM	22.86	28.18
10MHz	1 RB high	668	16QAM	22.17	27.84
10MHz	100% RB	668	16QAM	22.52	29.37
10MHz	1 RB low	680.5	QPSK	24.57	29.03

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10MHz	1 RB mid	680.5	QPSK	24.65	28.79
10MHz	1 RB high	680.5	QPSK	24.62	29.18
10MHz	100% RB	680.5	QPSK	23.68	29.02
10MHz	1 RB low	680.5	16QAM	23.42	28.94
10MHz	1 RB mid	680.5	16QAM	23.54	28.71
10MHz	1 RB high	680.5	16QAM	23.56	29.13
10MHz	100% RB	680.5	16QAM	22.68	28.97
10MHz	1 RB low	693	QPSK	24.40	29.20
10MHz	1 RB mid	693	QPSK	24.51	29.02
10MHz	1 RB high	693	QPSK	24.49	28.63
10MHz	100% RB	693	QPSK	23.60	29.83
10MHz	1 RB low	693	16QAM	23.60	28.98
10MHz	1 RB mid	693	16QAM	23.64	28.80
10MHz	1 RB high	693	16QAM	23.68	28.47
10MHz	100% RB	693	16QAM	22.68	29.23
15MHz	1 RB low	670.5	QPSK	22.36	27.38
15MHz	1 RB mid	670.5	QPSK	22.91	28.13
15MHz	1 RB high	670.5	QPSK	24.61	29.02
15MHz	100% RB	670.5	QPSK	23.65	29.80
15MHz	1 RB low	670.5	16QAM	21.41	27.01
15MHz	1 RB mid	670.5	16QAM	22.05	27.72
15MHz	1 RB high	670.5	16QAM	23.83	28.76
15MHz	100% RB	670.5	16QAM	22.62	29.56
15MHz	1 RB low	680.5	QPSK	23.27	28.41
15MHz	1 RB mid	680.5	QPSK	24.62	28.81
15MHz	1 RB high	680.5	QPSK	24.09	28.82
15MHz	100% RB	680.5	QPSK	23.70	29.40
15MHz	1 RB low	680.5	16QAM	22.15	28.33
15MHz	1 RB mid	680.5	16QAM	23.60	28.74
15MHz	1 RB high	680.5	16QAM	23.03	28.75
15MHz	100% RB	680.5	16QAM	22.68	29.22
15MHz	1 RB low	690.5	QPSK	24.50	29.01
15MHz	1 RB mid	690.5	QPSK	24.56	29.22
15MHz	1 RB high	690.5	QPSK	24.60	28.65
15MHz	100% RB	690.5	QPSK	23.63	29.71
15MHz	1 RB low	690.5	16QAM	23.79	28.83
15MHz	1 RB mid	690.5	16QAM	23.88	29.05
15MHz	1 RB high	690.5	16QAM	23.88	28.49

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15MHz	100% RB	690.5	16QAM	22.62	29.34
20MHz	1 RB low	673	QPSK	22.70	27.59
20MHz	1 RB mid	673	QPSK	23.30	28.45
20MHz	1 RB high	673	QPSK	24.78	28.98
20MHz	100% RB	673	QPSK	23.71	29.52
20MHz	1 RB low	673	16QAM	21.60	27.22
20MHz	1 RB mid	673	16QAM	22.26	28.05
20MHz	1 RB high	673	16QAM	23.85	28.83
20MHz	100% RB	673	16QAM	22.75	29.63
20MHz	1 RB low	683	QPSK	23.13	28.43
20MHz	1 RB mid	683	QPSK	24.64	29.06
20MHz	1 RB high	683	QPSK	24.16	28.92
20MHz	100% RB	683	QPSK	23.71	29.40
20MHz	1 RB low	683	16QAM	22.09	28.16
20MHz	1 RB mid	683	16QAM	23.59	28.76
20MHz	1 RB high	683	16QAM	23.13	28.69
20MHz	100% RB	683	16QAM	22.72	29.37
20MHz	1 RB low	688	QPSK	24.63	28.71
20MHz	1 RB mid	688	QPSK	24.30	28.97
20MHz	1 RB high	688	QPSK	24.53	28.60
20MHz	100% RB	688	QPSK	23.63	29.54
20MHz	1 RB low	688	16QAM	23.79	28.73
20MHz	1 RB mid	688	16QAM	23.51	29.04
20MHz	1 RB high	688	16QAM	23.80	28.67
20MHz	100% RB	688	16QAM	22.68	29.60

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Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Average Power (dBm)	Peak Power (dBm)
5MHz	1 RB low	2498.5	QPSK	22.77	27.30
5MHz	1 RB mid	2498.5	QPSK	22.85	27.41
5MHz	1 RB high	2498.5	QPSK	22.82	27.44
5MHz	100% RB	2498.5	QPSK	21.79	27.84
5MHz	1 RB low	2498.5	16QAM	21.83	27.31
5MHz	1 RB mid	2498.5	16QAM	21.88	27.41
5MHz	1 RB high	2498.5	16QAM	21.82	27.50
5MHz	100% RB	2498.5	16QAM	20.89	27.62
5MHz	1 RB low	2593	QPSK	22.27	27.36
5MHz	1 RB mid	2593	QPSK	22.32	27.52
5MHz	1 RB high	2593	QPSK	22.33	27.40
5MHz	100% RB	2593	QPSK	21.42	27.72
5MHz	1 RB low	2593	16QAM	21.36	26.90
5MHz	1 RB mid	2593	16QAM	21.44	27.05
5MHz	1 RB high	2593	16QAM	21.43	26.97
5MHz	100% RB	2593	16QAM	20.33	27.25
5MHz	1 RB low	2687.5	QPSK	22.73	27.31
5MHz	1 RB mid	2687.5	QPSK	22.91	27.32
5MHz	1 RB high	2687.5	QPSK	22.91	27.34
5MHz	100% RB	2687.5	QPSK	21.90	27.96
5MHz	1 RB low	2687.5	16QAM	21.98	27.31
5MHz	1 RB mid	2687.5	16QAM	22.16	27.32
5MHz	1 RB high	2687.5	16QAM	22.14	27.34
5MHz	100% RB	2687.5	16QAM	20.74	27.48
10MHz	1 RB low	2501	QPSK	22.85	27.53
10MHz	1 RB mid	2501	QPSK	22.84	27.61
10MHz	1 RB high	2501	QPSK	22.95	27.56
10MHz	100% RB	2501	QPSK	21.89	28.03
10MHz	1 RB low	2501	16QAM	22.12	27.39
10MHz	1 RB mid	2501	16QAM	22.09	27.47
10MHz	1 RB high	2501	16QAM	22.20	27.44
10MHz	100% RB	2501	16QAM	20.96	27.90
10MHz	1 RB low	2593	QPSK	22.27	27.65

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10MHz	1 RB mid	2593	QPSK	22.37	27.70
10MHz	1 RB high	2593	QPSK	22.49	27.80
10MHz	100% RB	2593	QPSK	21.39	27.62
10MHz	1 RB low	2593	16QAM	21.18	27.66
10MHz	1 RB mid	2593	16QAM	21.35	27.73
10MHz	1 RB high	2593	16QAM	21.46	27.83
10MHz	100% RB	2593	16QAM	20.43	27.70
10MHz	1 RB low	2685	QPSK	22.48	27.55
10MHz	1 RB mid	2685	QPSK	22.71	27.54
10MHz	1 RB high	2685	QPSK	22.87	27.60
10MHz	100% RB	2685	QPSK	21.78	27.94
10MHz	1 RB low	2685	16QAM	21.66	27.22
10MHz	1 RB mid	2685	16QAM	21.80	27.21
10MHz	1 RB high	2685	16QAM	22.08	27.34
10MHz	100% RB	2685	16QAM	20.76	27.78
15MHz	1 RB low	2503.5	QPSK	22.89	27.59
15MHz	1 RB mid	2503.5	QPSK	22.91	27.59
15MHz	1 RB high	2503.5	QPSK	23.00	27.43
15MHz	100% RB	2503.5	QPSK	22.08	28.08
15MHz	1 RB low	2503.5	16QAM	22.13	27.47
15MHz	1 RB mid	2503.5	16QAM	22.09	27.44
15MHz	1 RB high	2503.5	16QAM	22.30	27.34
15MHz	100% RB	2503.5	16QAM	20.92	27.84
15MHz	1 RB low	2593	QPSK	22.31	27.68
15MHz	1 RB mid	2593	QPSK	22.33	27.69
15MHz	1 RB high	2593	QPSK	22.48	27.81
15MHz	100% RB	2593	QPSK	21.31	27.78
15MHz	1 RB low	2593	16QAM	21.32	27.71
15MHz	1 RB mid	2593	16QAM	21.32	27.70
15MHz	1 RB high	2593	16QAM	21.50	27.85
15MHz	100% RB	2593	16QAM	20.47	27.64
15MHz	1 RB low	2682.5	QPSK	22.32	27.53
15MHz	1 RB mid	2682.5	QPSK	22.55	27.44
15MHz	1 RB high	2682.5	QPSK	22.93	27.54
15MHz	100% RB	2682.5	QPSK	21.72	28.09
15MHz	1 RB low	2682.5	16QAM	21.62	27.47
15MHz	1 RB mid	2682.5	16QAM	21.80	27.36
15MHz	1 RB high	2682.5	16QAM	22.11	27.44

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15MHz	100% RB	2682.5	16QAM	20.58	27.81
20MHz	1 RB low	2506	QPSK	22.94	27.49
20MHz	1 RB mid	2506	QPSK	23.00	27.40
20MHz	1 RB high	2506	QPSK	23.19	27.25
20MHz	100% RB	2506	QPSK	22.05	28.05
20MHz	1 RB low	2506	16QAM	22.01	27.17
20MHz	1 RB mid	2506	16QAM	22.09	27.12
20MHz	1 RB high	2506	16QAM	22.16	26.96
20MHz	100% RB	2506	16QAM	21.08	27.87
20MHz	1 RB low	2593	QPSK	22.22	27.64
20MHz	1 RB mid	2593	QPSK	22.32	27.75
20MHz	1 RB high	2593	QPSK	22.48	27.87
20MHz	100% RB	2593	QPSK	21.42	27.74
20MHz	1 RB low	2593	16QAM	21.32	27.34
20MHz	1 RB mid	2593	16QAM	21.41	27.43
20MHz	1 RB high	2593	16QAM	21.50	27.53
20MHz	100% RB	2593	16QAM	20.49	27.63
20MHz	1 RB low	2680	QPSK	22.34	27.43
20MHz	1 RB mid	2680	QPSK	22.53	27.38
20MHz	1 RB high	2680	QPSK	23.01	27.61
20MHz	100% RB	2680	QPSK	21.56	27.71
20MHz	1 RB low	2680	16QAM	21.63	27.28
20MHz	1 RB mid	2680	16QAM	21.82	27.26
20MHz	1 RB high	2680	16QAM	22.30	27.52
20MHz	100% RB	2680	16QAM	20.59	27.77

LTE CA_band 7C

Bandwidth	Frequency(MHz)	Frequency(MHz)	Modulation	PCC RB		SCC RB		Average Power (dBm)
				Size	Offset	Size	Offset	
10MHz/20MHz	2525.6	2540	QPSK	1	49	1	0	22.26
10MHz/20MHz	2525.6	2540	QPSK	50	0	100	0	20.34
10MHz/20MHz	2525.6	2540	Q16	1	49	1	0	20.46
10MHz/20MHz	2525.6	2540	Q16	50	0	100	0	19.35
10MHz/20MHz	2525.6	2540	Q64	1	49	1	0	19.06
10MHz/20MHz	2525.6	2540	Q64	50	0	100	0	19.38
10MHz/20MHz	2525.6	2540	Q256	1	49	1	0	25.70
10MHz/20MHz	2525.6	2540	Q256	50	0	100	0	25.00
10MHz/20MHz	2505.5	2519.9	QPSK	50	0	100	0	21.49
10MHz/20MHz	2505.5	2519.9	QPSK	25	25	50	50	19.94
10MHz/20MHz	2505.5	2519.9	QPSK	1	49	1	0	19.42
10MHz/20MHz	2505.5	2519.9	QPSK	1	0	1	99	19.41
10MHz/20MHz	2505.5	2519.9	Q16	50	0	100	0	19.97
10MHz/20MHz	2505.5	2519.9	Q16	25	25	50	50	19.94
10MHz/20MHz	2505.5	2519.9	Q16	1	49	1	0	19.44
10MHz/20MHz	2505.5	2519.9	Q16	1	0	1	99	19.52
10MHz/20MHz	2505.5	2519.9	Q64	50	0	100	0	20.06
10MHz/20MHz	2505.5	2519.9	Q64	25	25	50	50	20.11
10MHz/20MHz	2505.5	2519.9	Q64	1	49	1	0	19.46
10MHz/20MHz	2505.5	2519.9	Q64	1	0	1	99	19.37
10MHz/20MHz	2525.6	2540	QPSK	25	25	50	50	19.74
10MHz/20MHz	2525.6	2540	QPSK	1	0	1	99	19.37
10MHz/20MHz	2525.6	2540	Q16	25	25	50	50	19.71
10MHz/20MHz	2525.6	2540	Q16	1	0	1	99	19.38
10MHz/20MHz	2525.6	2540	Q64	25	25	50	50	19.77
10MHz/20MHz	2525.6	2540	Q64	1	0	1	99	19.29
10MHz/20MHz	2545.6	2560	QPSK	50	0	100	0	21.56
10MHz/20MHz	2545.6	2560	QPSK	25	25	50	50	20.04
10MHz/20MHz	2545.6	2560	QPSK	1	49	1	0	19.57
10MHz/20MHz	2545.6	2560	QPSK	1	0	1	99	19.41
10MHz/20MHz	2545.6	2560	Q16	50	0	100	0	19.98
10MHz/20MHz	2545.6	2560	Q16	25	25	50	50	19.98
10MHz/20MHz	2545.6	2560	Q16	1	49	1	0	19.52
10MHz/20MHz	2545.6	2560	Q16	1	0	1	99	19.42

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10MHz/20MHz	2545.6	2560	Q64	50	0	100	0	20.05
10MHz/20MHz	2545.6	2560	Q64	25	25	50	50	20.13
10MHz/20MHz	2545.6	2560	Q64	1	49	1	0	19.48
10MHz/20MHz	2545.6	2560	Q64	1	0	1	99	19.32
15MHz/10MHz	2530.1	2542.1	QPSK	1	74	1	0	18.57
15MHz/10MHz	2530.1	2542.1	QPSK	75	0	50	0	19.48
15MHz/10MHz	2530.1	2542.1	Q16	1	74	1	0	18.74
15MHz/10MHz	2530.1	2542.1	Q16	75	0	50	0	19.50
15MHz/10MHz	2530.1	2542.1	Q64	1	74	1	0	18.50
15MHz/10MHz	2530.1	2542.1	Q64	75	0	50	0	20.02
15MHz/15MHz	2527.5	2542.5	QPSK	1	74	1	0	18.72
15MHz/15MHz	2527.5	2542.5	QPSK	75	0	75	0	19.81
15MHz/15MHz	2527.5	2542.5	Q16	1	74	1	0	18.73
15MHz/15MHz	2527.5	2542.5	Q16	75	0	75	0	19.75
15MHz/15MHz	2527.5	2542.5	Q64	1	74	1	0	18.62
15MHz/15MHz	2527.5	2542.5	Q64	75	0	75	0	19.79
15MHz/20MHz	2525.3	2542.4	QPSK	1	74	1	0	19.27
15MHz/20MHz	2525.3	2542.4	QPSK	75	0	100	0	19.87
15MHz/20MHz	2525.3	2542.4	Q16	1	74	1	0	19.28
15MHz/20MHz	2525.3	2542.4	Q16	75	0	100	0	20.44
15MHz/20MHz	2525.3	2542.4	Q64	1	74	1	0	19.33
15MHz/20MHz	2525.3	2542.4	Q64	75	0	100	0	19.86
15MHz/10MHz	2507.5	2519.5	QPSK	75	0	50	0	20.60
15MHz/10MHz	2507.5	2519.5	QPSK	38	37	25	25	20.21
15MHz/10MHz	2507.5	2519.5	QPSK	1	74	1	0	18.10
15MHz/10MHz	2507.5	2519.5	QPSK	1	0	1	49	18.53
15MHz/10MHz	2507.5	2519.5	Q16	75	0	50	0	19.56
15MHz/10MHz	2507.5	2519.5	Q16	38	37	25	25	19.16
15MHz/10MHz	2507.5	2519.5	Q16	1	74	1	0	19.09
15MHz/10MHz	2507.5	2519.5	Q16	1	0	1	49	18.73
15MHz/10MHz	2507.5	2519.5	Q64	75	0	50	0	20.63
15MHz/10MHz	2507.5	2519.5	Q64	38	37	25	25	20.07
15MHz/10MHz	2507.5	2519.5	Q64	1	74	1	0	17.96
15MHz/10MHz	2507.5	2519.5	Q64	1	0	1	49	17.28
15MHz/10MHz	2530.1	2542.1	QPSK	38	37	25	25	19.00
15MHz/10MHz	2530.1	2542.1	QPSK	1	0	1	49	17.60
15MHz/10MHz	2530.1	2542.1	Q16	38	37	25	25	20.08
15MHz/10MHz	2530.1	2542.1	Q16	1	0	1	49	18.34
15MHz/10MHz	2530.1	2542.1	Q64	38	37	25	25	19.70

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15MHz/10MHz	2530.1	2542.1	Q64	1	0	1	49	18.31
15MHz/10MHz	2552.7	2564.7	QPSK	75	0	50	0	19.44
15MHz/10MHz	2552.7	2564.7	QPSK	38	37	25	25	19.94
15MHz/10MHz	2552.7	2564.7	QPSK	1	74	1	0	17.83
15MHz/10MHz	2552.7	2564.7	QPSK	1	0	1	49	18.07
15MHz/10MHz	2552.7	2564.7	Q16	75	0	50	0	20.61
15MHz/10MHz	2552.7	2564.7	Q16	38	37	25	25	18.87
15MHz/10MHz	2552.7	2564.7	Q16	1	74	1	0	19.26
15MHz/10MHz	2552.7	2564.7	Q16	1	0	1	49	17.59
15MHz/10MHz	2552.7	2564.7	Q64	75	0	50	0	19.56
15MHz/10MHz	2552.7	2564.7	Q64	38	37	25	25	19.86
15MHz/10MHz	2552.7	2564.7	Q64	1	74	1	0	18.93
15MHz/10MHz	2552.7	2564.7	Q64	1	0	1	49	18.83
15MHz/15MHz	2507.5	2522.5	QPSK	75	0	75	0	21.47
15MHz/15MHz	2507.5	2522.5	QPSK	38	37	38	37	19.92
15MHz/15MHz	2507.5	2522.5	QPSK	1	74	1	0	18.90
15MHz/15MHz	2507.5	2522.5	QPSK	1	0	1	74	18.90
15MHz/15MHz	2507.5	2522.5	Q16	75	0	75	0	19.90
15MHz/15MHz	2507.5	2522.5	Q16	38	37	38	37	19.92
15MHz/15MHz	2507.5	2522.5	Q16	1	74	1	0	18.94
15MHz/15MHz	2507.5	2522.5	Q16	1	0	1	74	18.93
15MHz/15MHz	2507.5	2522.5	Q64	75	0	75	0	19.96
15MHz/15MHz	2507.5	2522.5	Q64	38	37	38	37	20.01
15MHz/15MHz	2507.5	2522.5	Q64	1	74	1	0	18.83
15MHz/15MHz	2507.5	2522.5	Q64	1	0	1	74	18.83
15MHz/15MHz	2527.5	2542.5	QPSK	38	37	38	37	19.72
15MHz/15MHz	2527.5	2542.5	QPSK	1	0	1	74	18.96
15MHz/15MHz	2527.5	2542.5	Q16	38	37	38	37	19.75
15MHz/15MHz	2527.5	2542.5	Q16	1	0	1	74	18.97
15MHz/15MHz	2527.5	2542.5	Q64	38	37	38	37	19.80
15MHz/15MHz	2527.5	2542.5	Q64	1	0	1	74	18.82
15MHz/15MHz	2547.5	2562.5	QPSK	75	0	75	0	20.13
15MHz/15MHz	2547.5	2562.5	QPSK	38	37	38	37	20.13
15MHz/15MHz	2547.5	2562.5	QPSK	1	74	1	0	19.18
15MHz/15MHz	2547.5	2562.5	QPSK	1	0	1	74	19.01
15MHz/15MHz	2547.5	2562.5	Q16	75	0	75	0	20.02
15MHz/15MHz	2547.5	2562.5	Q16	38	37	38	37	20.05
15MHz/15MHz	2547.5	2562.5	Q16	1	74	1	0	19.00
15MHz/15MHz	2547.5	2562.5	Q16	1	0	1	74	19.01

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15MHz/15MHz	2547.5	2562.5	Q64	75	0	75	0	20.04
15MHz/15MHz	2547.5	2562.5	Q64	38	37	38	37	20.07
15MHz/15MHz	2547.5	2562.5	Q64	1	74	1	0	18.89
15MHz/15MHz	2547.5	2562.5	Q64	1	0	1	74	18.95
15MHz/20MHz	2507.8	2524.9	QPSK	75	0	100	0	19.99
15MHz/20MHz	2507.8	2524.9	QPSK	38	37	50	50	19.93
15MHz/20MHz	2507.8	2524.9	QPSK	1	74	1	0	19.41
15MHz/20MHz	2507.8	2524.9	QPSK	1	0	1	99	19.38
15MHz/20MHz	2507.8	2524.9	Q16	75	0	100	0	19.99
15MHz/20MHz	2507.8	2524.9	Q16	38	37	50	50	20.02
15MHz/20MHz	2507.8	2524.9	Q16	1	74	1	0	19.51
15MHz/20MHz	2507.8	2524.9	Q16	1	0	1	99	19.43
15MHz/20MHz	2507.8	2524.9	Q64	75	0	100	0	20.00
15MHz/20MHz	2507.8	2524.9	Q64	38	37	50	50	20.09
15MHz/20MHz	2507.8	2524.9	Q64	1	74	1	0	19.36
15MHz/20MHz	2507.8	2524.9	Q64	1	0	1	99	19.33
15MHz/20MHz	2525.3	2542.4	QPSK	38	37	50	50	19.80
15MHz/20MHz	2525.3	2542.4	QPSK	1	0	1	99	19.48
15MHz/20MHz	2525.3	2542.4	Q16	38	37	50	50	19.85
15MHz/20MHz	2525.3	2542.4	Q16	1	0	1	99	19.54
15MHz/20MHz	2525.3	2542.4	Q64	38	37	50	50	19.90
15MHz/20MHz	2525.3	2542.4	Q64	1	0	1	99	19.46
15MHz/20MHz	2542.9	2560	QPSK	75	0	100	0	20.04
15MHz/20MHz	2542.9	2560	QPSK	38	37	50	50	20.05
15MHz/20MHz	2542.9	2560	QPSK	1	74	1	0	19.59
15MHz/20MHz	2542.9	2560	QPSK	1	0	1	99	19.41
15MHz/20MHz	2542.9	2560	Q16	75	0	100	0	20.00
15MHz/20MHz	2542.9	2560	Q16	38	37	50	50	20.04
15MHz/20MHz	2542.9	2560	Q16	1	74	1	0	19.62
15MHz/20MHz	2542.9	2560	Q16	1	0	1	99	19.43
15MHz/20MHz	2542.9	2560	Q64	75	0	100	0	20.02
15MHz/20MHz	2542.9	2560	Q64	38	37	50	50	20.11
15MHz/20MHz	2542.9	2560	Q64	1	74	1	0	19.48
15MHz/20MHz	2542.9	2560	Q64	1	0	1	99	19.35
20MHz/10MHz	2530.1	2544.5	QPSK	1	99	1	0	18.86
20MHz/10MHz	2530.1	2544.5	QPSK	100	0	50	0	19.80
20MHz/10MHz	2530.1	2544.5	Q16	1	99	1	0	18.82
20MHz/10MHz	2530.1	2544.5	Q16	100	0	50	0	19.80
20MHz/10MHz	2530.1	2544.5	Q64	1	99	1	0	18.85

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20MHz/10MHz	2530.1	2544.5	Q64	100	0	50	0	19.83
20MHz/15MHz	2527.6	2544.7	QPSK	1	99	1	0	18.96
20MHz/15MHz	2527.6	2544.7	QPSK	100	0	75	0	19.89
20MHz/15MHz	2527.6	2544.7	Q16	1	99	1	0	18.93
20MHz/15MHz	2527.6	2544.7	Q16	100	0	75	0	19.91
20MHz/15MHz	2527.6	2544.7	Q64	1	99	1	0	18.97
20MHz/15MHz	2527.6	2544.7	Q64	100	0	75	0	19.92
20MHz/20MHz	2525.1	2544.9	QPSK	1	99	1	0	19.43
20MHz/20MHz	2525.1	2544.9	QPSK	100	0	100	0	19.92
20MHz/20MHz	2525.1	2544.9	Q16	1	99	1	0	19.40
20MHz/20MHz	2525.1	2544.9	Q16	100	0	100	0	19.91
20MHz/20MHz	2525.1	2544.9	Q64	1	99	1	0	19.46
20MHz/20MHz	2525.1	2544.9	Q64	100	0	100	0	19.89
20MHz/10MHz	2510	2524.4	QPSK	100	0	50	0	20.03
20MHz/10MHz	2510	2524.4	QPSK	50	50	25	25	20.02
20MHz/10MHz	2510	2524.4	QPSK	1	99	1	0	19.02
20MHz/10MHz	2510	2524.4	QPSK	1	0	1	49	17.99
20MHz/10MHz	2510	2524.4	Q16	100	0	50	0	20.03
20MHz/10MHz	2510	2524.4	Q16	50	50	25	25	20.05
20MHz/10MHz	2510	2524.4	Q16	1	99	1	0	19.01
20MHz/10MHz	2510	2524.4	Q16	1	0	1	49	18.01
20MHz/10MHz	2510	2524.4	Q64	100	0	50	0	20.01
20MHz/10MHz	2510	2524.4	Q64	50	50	25	25	20.09
20MHz/10MHz	2510	2524.4	Q64	1	99	1	0	19.06
20MHz/10MHz	2510	2524.4	Q64	1	0	1	49	18.25
20MHz/10MHz	2530.1	2544.5	QPSK	50	50	25	25	19.80
20MHz/10MHz	2530.1	2544.5	QPSK	1	0	1	49	18.00
20MHz/10MHz	2530.1	2544.5	Q16	50	50	25	25	19.78
20MHz/10MHz	2530.1	2544.5	Q16	1	0	1	49	18.01
20MHz/10MHz	2530.1	2544.5	Q64	50	50	25	25	19.81
20MHz/10MHz	2530.1	2544.5	Q64	1	0	1	49	18.00
20MHz/10MHz	2550.1	2564.5	QPSK	100	0	50	0	20.15
20MHz/10MHz	2550.1	2564.5	QPSK	50	50	25	25	20.26
20MHz/10MHz	2550.1	2564.5	QPSK	1	99	1	0	19.29
20MHz/10MHz	2550.1	2564.5	QPSK	1	0	1	49	18.06
20MHz/10MHz	2550.1	2564.5	Q16	100	0	50	0	20.15
20MHz/10MHz	2550.1	2564.5	Q16	50	50	25	25	20.22
20MHz/10MHz	2550.1	2564.5	Q16	1	99	1	0	19.20
20MHz/10MHz	2550.1	2564.5	Q16	1	0	1	49	17.61

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20MHz/10MHz	2550.1	2564.5	Q64	100	0	50	0	20.13
20MHz/10MHz	2550.1	2564.5	Q64	50	50	25	25	20.26
20MHz/10MHz	2550.1	2564.5	Q64	1	99	1	0	19.31
20MHz/10MHz	2550.1	2564.5	Q64	1	0	1	49	18.09
20MHz/15MHz	2510	2527.1	QPSK	100	0	75	0	19.94
20MHz/15MHz	2510	2527.1	QPSK	50	50	38	37	19.92
20MHz/15MHz	2510	2527.1	QPSK	1	99	1	0	18.94
20MHz/15MHz	2510	2527.1	QPSK	1	0	1	74	18.42
20MHz/15MHz	2510	2527.1	Q16	100	0	75	0	19.89
20MHz/15MHz	2510	2527.1	Q16	50	50	38	37	19.87
20MHz/15MHz	2510	2527.1	Q16	1	99	1	0	18.94
20MHz/15MHz	2510	2527.1	Q16	1	0	1	74	18.42
20MHz/15MHz	2510	2527.1	Q64	100	0	75	0	19.94
20MHz/15MHz	2510	2527.1	Q64	50	50	38	37	19.93
20MHz/15MHz	2510	2527.1	Q64	1	99	1	0	18.99
20MHz/15MHz	2510	2527.1	Q64	1	0	1	74	18.48
20MHz/15MHz	2527.6	2544.7	QPSK	50	50	38	37	19.89
20MHz/15MHz	2527.6	2544.7	QPSK	1	0	1	74	18.49
20MHz/15MHz	2527.6	2544.7	Q16	50	50	38	37	19.88
20MHz/15MHz	2527.6	2544.7	Q16	1	0	1	74	18.48
20MHz/15MHz	2527.6	2544.7	Q64	50	50	38	37	19.95
20MHz/15MHz	2527.6	2544.7	Q64	1	0	1	74	18.49
20MHz/15MHz	2545.1	2562.2	QPSK	100	0	75	0	20.04
20MHz/15MHz	2545.1	2562.2	QPSK	50	50	38	37	20.04
20MHz/15MHz	2545.1	2562.2	QPSK	1	99	1	0	19.12
20MHz/15MHz	2545.1	2562.2	QPSK	1	0	1	74	18.57
20MHz/15MHz	2545.1	2562.2	Q16	100	0	75	0	20.06
20MHz/15MHz	2545.1	2562.2	Q16	50	50	38	37	20.02
20MHz/15MHz	2545.1	2562.2	Q16	1	99	1	0	19.05
20MHz/15MHz	2545.1	2562.2	Q16	1	0	1	74	18.58
20MHz/15MHz	2545.1	2562.2	Q64	100	0	75	0	20.04
20MHz/15MHz	2545.1	2562.2	Q64	50	50	38	37	19.99
20MHz/15MHz	2545.1	2562.2	Q64	1	99	1	0	19.06
20MHz/15MHz	2545.1	2562.2	Q64	1	0	1	74	18.60
20MHz/20MHz	2510	2529.8	QPSK	100	0	100	0	20.01
20MHz/20MHz	2510	2529.8	QPSK	50	50	50	50	20.00
20MHz/20MHz	2510	2529.8	QPSK	1	99	1	0	19.53
20MHz/20MHz	2510	2529.8	QPSK	1	0	1	99	19.53
20MHz/20MHz	2510	2529.8	Q16	100	0	100	0	20.00

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20MHz/20MHz	2510	2529.8	Q16	50	50	50	50	19.97
20MHz/20MHz	2510	2529.8	Q16	1	99	1	0	19.50
20MHz/20MHz	2510	2529.8	Q16	1	0	1	99	19.48
20MHz/20MHz	2510	2529.8	Q64	100	0	100	0	19.96
20MHz/20MHz	2510	2529.8	Q64	50	50	50	50	19.98
20MHz/20MHz	2510	2529.8	Q64	1	99	1	0	19.54
20MHz/20MHz	2510	2529.8	Q64	1	0	1	99	19.57
20MHz/20MHz	2525.1	2544.9	QPSK	50	50	50	50	19.90
20MHz/20MHz	2525.1	2544.9	QPSK	1	0	1	99	19.48
20MHz/20MHz	2525.1	2544.9	Q16	50	50	50	50	19.88
20MHz/20MHz	2525.1	2544.9	Q16	1	0	1	99	19.43
20MHz/20MHz	2525.1	2544.9	Q64	50	50	50	50	19.89
20MHz/20MHz	2525.1	2544.9	Q64	1	0	1	99	19.53
20MHz/20MHz	2540.2	2560	QPSK	100	0	100	0	19.97
20MHz/20MHz	2540.2	2560	QPSK	50	50	50	50	20.01
20MHz/20MHz	2540.2	2560	QPSK	1	99	1	0	19.51
20MHz/20MHz	2540.2	2560	QPSK	1	0	1	99	19.50
20MHz/20MHz	2540.2	2560	Q16	100	0	100	0	19.99
20MHz/20MHz	2540.2	2560	Q16	50	50	50	50	19.97
20MHz/20MHz	2540.2	2560	Q16	1	99	1	0	19.44
20MHz/20MHz	2540.2	2560	Q16	1	0	1	99	19.49
20MHz/20MHz	2540.2	2560	Q64	100	0	100	0	19.99
20MHz/20MHz	2540.2	2560	Q64	50	50	50	50	20.05
20MHz/20MHz	2540.2	2560	Q64	1	99	1	0	19.53
20MHz/20MHz	2540.2	2560	Q64	1	0	1	99	19.57

LTE CA_band 41C

Bandwidth	Frequency(MHz)	Frequency(MHz)	Modulati on	PCC RB		SCC RB		Average Power (dBm)
				Size	Offs et	Size	Offs et	
5MHz/20MHz	2499.3	2511	QPSK	25	0	100	0	22.00
5MHz/20MHz	2499.3	2511	QPSK	13	12	50	50	20.54
5MHz/20MHz	2499.3	2511	QPSK	1	24	1	0	20.55
5MHz/20MHz	2499.3	2511	QPSK	1	0	1	99	20.44
5MHz/20MHz	2499.3	2511	Q16	25	0	100	0	20.48
5MHz/20MHz	2499.3	2511	Q16	13	12	50	50	20.53
5MHz/20MHz	2499.3	2511	Q16	1	24	1	0	20.49
5MHz/20MHz	2499.3	2511	Q16	1	0	1	99	20.39
5MHz/20MHz	2499.3	2511	Q64	25	0	100	0	20.44
5MHz/20MHz	2499.3	2511	Q64	13	12	50	50	20.50
5MHz/20MHz	2499.3	2511	Q64	1	24	1	0	20.38
5MHz/20MHz	2499.3	2511	Q64	1	0	1	99	20.28
5MHz/20MHz	2583.8	2595.5	QPSK	25	0	100	0	20.39
5MHz/20MHz	2583.8	2595.5	QPSK	13	12	50	50	20.35
5MHz/20MHz	2583.8	2595.5	QPSK	1	24	1	0	20.39
5MHz/20MHz	2583.8	2595.5	QPSK	1	0	1	99	20.33
5MHz/20MHz	2583.8	2595.5	Q16	25	0	100	0	20.34
5MHz/20MHz	2583.8	2595.5	Q16	13	12	50	50	20.36
5MHz/20MHz	2583.8	2595.5	Q16	1	24	1	0	20.38
5MHz/20MHz	2583.8	2595.5	Q16	1	0	1	99	20.30
5MHz/20MHz	2583.8	2595.5	Q64	25	0	100	0	20.33
5MHz/20MHz	2583.8	2595.5	Q64	13	12	50	50	20.37
5MHz/20MHz	2583.8	2595.5	Q64	1	24	1	0	20.27
5MHz/20MHz	2583.8	2595.5	Q64	1	0	1	99	20.19
5MHz/20MHz	2668.3	2680	QPSK	25	0	100	0	20.16
5MHz/20MHz	2668.3	2680	QPSK	13	12	50	50	20.12
5MHz/20MHz	2668.3	2680	QPSK	1	24	1	0	20.08
5MHz/20MHz	2668.3	2680	QPSK	1	0	1	99	20.24
5MHz/20MHz	2668.3	2680	Q16	25	0	100	0	20.12
5MHz/20MHz	2668.3	2680	Q16	13	12	50	50	20.12
5MHz/20MHz	2668.3	2680	Q16	1	24	1	0	20.02
5MHz/20MHz	2668.3	2680	Q16	1	0	1	99	20.18
5MHz/20MHz	2668.3	2680	Q64	25	0	100	0	20.07
5MHz/20MHz	2668.3	2680	Q64	13	12	50	50	20.09
5MHz/20MHz	2668.3	2680	Q64	1	24	1	0	19.90

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5MHz/20MHz	2668.3	2680	Q64	1	0	1	99	20.05
10MHz/15MHz	2501.3	2513.3	QPSK	50	0	75	0	21.96
10MHz/15MHz	2501.3	2513.3	QPSK	25	25	38	37	20.49
10MHz/15MHz	2501.3	2513.3	QPSK	1	49	1	0	19.99
10MHz/15MHz	2501.3	2513.3	QPSK	1	0	1	74	19.79
10MHz/15MHz	2501.3	2513.3	Q16	50	0	75	0	20.46
10MHz/15MHz	2501.3	2513.3	Q16	25	25	38	37	20.50
10MHz/15MHz	2501.3	2513.3	Q16	1	49	1	0	20.02
10MHz/15MHz	2501.3	2513.3	Q16	1	0	1	74	19.85
10MHz/15MHz	2501.3	2513.3	Q64	50	0	75	0	20.45
10MHz/15MHz	2501.3	2513.3	Q64	25	25	38	37	20.49
10MHz/15MHz	2501.3	2513.3	Q64	1	49	1	0	19.88
10MHz/15MHz	2501.3	2513.3	Q64	1	0	1	74	19.71
10MHz/15MHz	2585.9	2597.9	QPSK	50	0	75	0	20.44
10MHz/15MHz	2585.9	2597.9	QPSK	25	25	38	37	20.44
10MHz/15MHz	2585.9	2597.9	QPSK	1	49	1	0	19.96
10MHz/15MHz	2585.9	2597.9	QPSK	1	0	1	74	19.80
10MHz/15MHz	2585.9	2597.9	Q16	50	0	75	0	20.42
10MHz/15MHz	2585.9	2597.9	Q16	25	25	38	37	20.48
10MHz/15MHz	2585.9	2597.9	Q16	1	49	1	0	19.99
10MHz/15MHz	2585.9	2597.9	Q16	1	0	1	74	19.84
10MHz/15MHz	2585.9	2597.9	Q64	50	0	75	0	20.45
10MHz/15MHz	2585.9	2597.9	Q64	25	25	38	37	20.46
10MHz/15MHz	2585.9	2597.9	Q64	1	49	1	0	19.88
10MHz/15MHz	2585.9	2597.9	Q64	1	0	1	74	19.73
10MHz/15MHz	2670.5	2682.5	QPSK	50	0	75	0	20.11
10MHz/15MHz	2670.5	2682.5	QPSK	25	25	38	37	20.01
10MHz/15MHz	2670.5	2682.5	QPSK	1	49	1	0	19.39
10MHz/15MHz	2670.5	2682.5	QPSK	1	0	1	74	19.69
10MHz/15MHz	2670.5	2682.5	Q16	50	0	75	0	20.11
10MHz/15MHz	2670.5	2682.5	Q16	25	25	38	37	20.01
10MHz/15MHz	2670.5	2682.5	Q16	1	49	1	0	19.46
10MHz/15MHz	2670.5	2682.5	Q16	1	0	1	74	19.75
10MHz/15MHz	2670.5	2682.5	Q64	50	0	75	0	20.09
10MHz/15MHz	2670.5	2682.5	Q64	25	25	38	37	20.01
10MHz/15MHz	2670.5	2682.5	Q64	1	49	1	0	19.30
10MHz/15MHz	2670.5	2682.5	Q64	1	0	1	74	19.56
10MHz/20MHz	2501.5	2515.9	QPSK	50	0	100	0	20.32
10MHz/20MHz	2501.5	2515.9	QPSK	25	25	50	50	20.37

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10MHz/20MHz	2501.5	2515.9	QPSK	1	49	1	0	19.87
10MHz/20MHz	2501.5	2515.9	QPSK	1	0	1	99	19.71
10MHz/20MHz	2501.5	2515.9	Q16	50	0	100	0	20.19
10MHz/20MHz	2501.5	2515.9	Q16	25	25	50	50	20.16
10MHz/20MHz	2501.5	2515.9	Q16	1	49	1	0	19.64
10MHz/20MHz	2501.5	2515.9	Q16	1	0	1	99	19.68
10MHz/20MHz	2501.5	2515.9	Q64	50	0	100	0	20.17
10MHz/20MHz	2501.5	2515.9	Q64	25	25	50	50	20.19
10MHz/20MHz	2501.5	2515.9	Q64	1	49	1	0	19.55
10MHz/20MHz	2501.5	2515.9	Q64	1	0	1	99	19.55
10MHz/20MHz	2583.6	2598	QPSK	50	0	100	0	20.32
10MHz/20MHz	2583.6	2598	QPSK	25	25	50	50	20.28
10MHz/20MHz	2583.6	2598	QPSK	1	49	1	0	19.74
10MHz/20MHz	2583.6	2598	QPSK	1	0	1	99	19.75
10MHz/20MHz	2583.6	2598	Q16	50	0	100	0	20.29
10MHz/20MHz	2583.6	2598	Q16	25	25	50	50	20.29
10MHz/20MHz	2583.6	2598	Q16	1	49	1	0	19.74
10MHz/20MHz	2583.6	2598	Q16	1	0	1	99	19.77
10MHz/20MHz	2583.6	2598	Q64	50	0	100	0	20.27
10MHz/20MHz	2583.6	2598	Q64	25	25	50	50	20.28
10MHz/20MHz	2583.6	2598	Q64	1	49	1	0	19.63
10MHz/20MHz	2583.6	2598	Q64	1	0	1	99	19.67
10MHz/20MHz	2665.6	2680	QPSK	50	0	100	0	20.28
10MHz/20MHz	2665.6	2680	QPSK	25	25	50	50	20.30
10MHz/20MHz	2665.6	2680	QPSK	1	49	1	0	19.74
10MHz/20MHz	2665.6	2680	QPSK	1	0	1	99	19.70
10MHz/20MHz	2665.6	2680	Q16	50	0	100	0	20.21
10MHz/20MHz	2665.6	2680	Q16	25	25	50	50	20.29
10MHz/20MHz	2665.6	2680	Q16	1	49	1	0	19.77
10MHz/20MHz	2665.6	2680	Q16	1	0	1	99	19.73
10MHz/20MHz	2665.6	2680	Q64	50	0	100	0	20.23
10MHz/20MHz	2665.6	2680	Q64	25	25	50	50	20.31
10MHz/20MHz	2665.6	2680	Q64	1	49	1	0	19.69
10MHz/20MHz	2665.6	2680	Q64	1	0	1	99	19.58
15MHz/10MHz	2503.5	2515.5	QPSK	75	0	50	0	19.35
15MHz/10MHz	2503.5	2515.5	QPSK	38	37	25	25	19.76
15MHz/10MHz	2503.5	2515.5	QPSK	1	74	1	0	19.27
15MHz/10MHz	2503.5	2515.5	QPSK	1	0	1	49	18.83
15MHz/10MHz	2503.5	2515.5	Q16	75	0	50	0	18.42

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15MHz/10MHz	2503.5	2515.5	Q16	38	37	25	25	17.95
15MHz/10MHz	2503.5	2515.5	Q16	1	74	1	0	19.55
15MHz/10MHz	2503.5	2515.5	Q16	1	0	1	49	18.85
15MHz/10MHz	2503.5	2515.5	Q64	75	0	50	0	20.94
15MHz/10MHz	2503.5	2515.5	Q64	38	37	25	25	18.00
15MHz/10MHz	2503.5	2515.5	Q64	1	74	1	0	19.43
15MHz/10MHz	2503.5	2515.5	Q64	1	0	1	49	18.76
15MHz/10MHz	2588.1	2600.1	QPSK	75	0	50	0	19.70
15MHz/10MHz	2588.1	2600.1	QPSK	38	37	25	25	19.13
15MHz/10MHz	2588.1	2600.1	QPSK	1	74	1	0	19.41
15MHz/10MHz	2588.1	2600.1	QPSK	1	0	1	49	18.62
15MHz/10MHz	2588.1	2600.1	Q16	75	0	50	0	21.05
15MHz/10MHz	2588.1	2600.1	Q16	38	37	25	25	19.99
15MHz/10MHz	2588.1	2600.1	Q16	1	74	1	0	19.42
15MHz/10MHz	2588.1	2600.1	Q16	1	0	1	49	18.62
15MHz/10MHz	2588.1	2600.1	Q64	75	0	50	0	20.99
15MHz/10MHz	2588.1	2600.1	Q64	38	37	25	25	18.99
15MHz/10MHz	2588.1	2600.1	Q64	1	74	1	0	19.33
15MHz/10MHz	2588.1	2600.1	Q64	1	0	1	49	18.47
15MHz/10MHz	2672.7	2684.7	QPSK	75	0	50	0	20.04
15MHz/10MHz	2672.7	2684.7	QPSK	38	37	25	25	18.81
15MHz/10MHz	2672.7	2684.7	QPSK	1	74	1	0	18.91
15MHz/10MHz	2672.7	2684.7	QPSK	1	0	1	49	19.17
15MHz/10MHz	2672.7	2684.7	Q16	75	0	50	0	20.90
15MHz/10MHz	2672.7	2684.7	Q16	38	37	25	25	20.34
15MHz/10MHz	2672.7	2684.7	Q16	1	74	1	0	18.86
15MHz/10MHz	2672.7	2684.7	Q16	1	0	1	49	19.04
15MHz/10MHz	2672.7	2684.7	Q64	75	0	50	0	20.66
15MHz/10MHz	2672.7	2684.7	Q64	38	37	25	25	20.13
15MHz/10MHz	2672.7	2684.7	Q64	1	74	1	0	18.86
15MHz/10MHz	2672.7	2684.7	Q64	1	0	1	49	19.04
15MHz/15MHz	2503.5	2518.5	QPSK	75	0	75	0	20.35
15MHz/15MHz	2503.5	2518.5	QPSK	38	37	38	37	20.35
15MHz/15MHz	2503.5	2518.5	QPSK	1	74	1	0	19.35
15MHz/15MHz	2503.5	2518.5	QPSK	1	0	1	74	19.20
15MHz/15MHz	2503.5	2518.5	Q16	75	0	75	0	20.31
15MHz/15MHz	2503.5	2518.5	Q16	38	37	38	37	20.41
15MHz/15MHz	2503.5	2518.5	Q16	1	74	1	0	19.39
15MHz/15MHz	2503.5	2518.5	Q16	1	0	1	74	19.23

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15MHz/15MHz	2503.5	2518.5	Q64	75	0	75	0	20.34
15MHz/15MHz	2503.5	2518.5	Q64	38	37	38	37	20.39
15MHz/15MHz	2503.5	2518.5	Q64	1	74	1	0	19.29
15MHz/15MHz	2503.5	2518.5	Q64	1	0	1	74	19.16
15MHz/15MHz	2585.5	2600.5	QPSK	75	0	75	0	20.54
15MHz/15MHz	2585.5	2600.5	QPSK	38	37	38	37	20.58
15MHz/15MHz	2585.5	2600.5	QPSK	1	74	1	0	19.65
15MHz/15MHz	2585.5	2600.5	QPSK	1	0	1	74	19.40
15MHz/15MHz	2585.5	2600.5	Q16	75	0	75	0	20.50
15MHz/15MHz	2585.5	2600.5	Q16	38	37	38	37	20.65
15MHz/15MHz	2585.5	2600.5	Q16	1	74	1	0	19.70
15MHz/15MHz	2585.5	2600.5	Q16	1	0	1	74	19.48
15MHz/15MHz	2585.5	2600.5	Q64	75	0	75	0	20.53
15MHz/15MHz	2585.5	2600.5	Q64	38	37	38	37	20.62
15MHz/15MHz	2585.5	2600.5	Q64	1	74	1	0	19.51
15MHz/15MHz	2585.5	2600.5	Q64	1	0	1	74	19.36
15MHz/15MHz	2667.5	2682.5	QPSK	75	0	75	0	20.18
15MHz/15MHz	2667.5	2682.5	QPSK	38	37	38	37	20.11
15MHz/15MHz	2667.5	2682.5	QPSK	1	74	1	0	18.95
15MHz/15MHz	2667.5	2682.5	QPSK	1	0	1	74	19.40
15MHz/15MHz	2667.5	2682.5	Q16	75	0	75	0	20.16
15MHz/15MHz	2667.5	2682.5	Q16	38	37	38	37	20.16
15MHz/15MHz	2667.5	2682.5	Q16	1	74	1	0	18.97
15MHz/15MHz	2667.5	2682.5	Q16	1	0	1	74	19.42
15MHz/15MHz	2667.5	2682.5	Q64	75	0	75	0	20.16
15MHz/15MHz	2667.5	2682.5	Q64	38	37	38	37	20.11
15MHz/15MHz	2667.5	2682.5	Q64	1	74	1	0	18.94
15MHz/15MHz	2667.5	2682.5	Q64	1	0	1	74	19.32
15MHz/20MHz	2503.8	2520.9	QPSK	75	0	100	0	20.32
15MHz/20MHz	2503.8	2520.9	QPSK	38	37	50	50	20.31
15MHz/20MHz	2503.8	2520.9	QPSK	1	74	1	0	19.81
15MHz/20MHz	2503.8	2520.9	QPSK	1	0	1	99	19.60
15MHz/20MHz	2503.8	2520.9	Q16	75	0	100	0	20.28
15MHz/20MHz	2503.8	2520.9	Q16	38	37	50	50	20.37
15MHz/20MHz	2503.8	2520.9	Q16	1	74	1	0	19.84
15MHz/20MHz	2503.8	2520.9	Q16	1	0	1	99	19.67
15MHz/20MHz	2503.8	2520.9	Q64	75	0	100	0	20.27
15MHz/20MHz	2503.8	2520.9	Q64	38	37	50	50	20.31
15MHz/20MHz	2503.8	2520.9	Q64	1	74	1	0	19.67

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15MHz/20MHz	2503.8	2520.9	Q64	1	0	1	99	19.67
15MHz/20MHz	2583.3	2600.4	QPSK	75	0	100	0	20.45
15MHz/20MHz	2583.3	2600.4	QPSK	38	37	50	50	20.50
15MHz/20MHz	2583.3	2600.4	QPSK	1	74	1	0	19.99
15MHz/20MHz	2583.3	2600.4	QPSK	1	0	1	99	19.91
15MHz/20MHz	2583.3	2600.4	Q16	75	0	100	0	20.47
15MHz/20MHz	2583.3	2600.4	Q16	38	37	50	50	20.53
15MHz/20MHz	2583.3	2600.4	Q16	1	74	1	0	20.05
15MHz/20MHz	2583.3	2600.4	Q16	1	0	1	99	19.93
15MHz/20MHz	2583.3	2600.4	Q64	75	0	100	0	20.42
15MHz/20MHz	2583.3	2600.4	Q64	38	37	50	50	20.56
15MHz/20MHz	2583.3	2600.4	Q64	1	74	1	0	19.93
15MHz/20MHz	2583.3	2600.4	Q64	1	0	1	99	19.84
15MHz/20MHz	2662.9	2680	QPSK	75	0	100	0	20.31
15MHz/20MHz	2662.9	2680	QPSK	38	37	50	50	20.29
15MHz/20MHz	2662.9	2680	QPSK	1	74	1	0	19.61
15MHz/20MHz	2662.9	2680	QPSK	1	0	1	99	19.88
15MHz/20MHz	2662.9	2680	Q16	75	0	100	0	20.26
15MHz/20MHz	2662.9	2680	Q16	38	37	50	50	20.27
15MHz/20MHz	2662.9	2680	Q16	1	74	1	0	19.56
15MHz/20MHz	2662.9	2680	Q16	1	0	1	99	19.87
15MHz/20MHz	2662.9	2680	Q64	75	0	100	0	20.28
15MHz/20MHz	2662.9	2680	Q64	38	37	50	50	20.35
15MHz/20MHz	2662.9	2680	Q64	1	74	1	0	19.53
15MHz/20MHz	2662.9	2680	Q64	1	0	1	99	19.76
20MHz/5MHz	2506	2517.7	QPSK	100	0	25	0	21.98
20MHz/5MHz	2506	2517.7	QPSK	50	50	13	12	17.86
20MHz/5MHz	2506	2517.7	QPSK	1	99	1	0	19.51
20MHz/5MHz	2506	2517.7	QPSK	1	0	1	24	17.38
20MHz/5MHz	2506	2517.7	Q16	100	0	25	0	18.44
20MHz/5MHz	2506	2517.7	Q16	50	50	13	12	17.95
20MHz/5MHz	2506	2517.7	Q16	1	99	1	0	19.55
20MHz/5MHz	2506	2517.7	Q16	1	0	1	24	17.37
20MHz/5MHz	2506	2517.7	Q64	100	0	25	0	20.62
20MHz/5MHz	2506	2517.7	Q64	50	50	13	12	18.02
20MHz/5MHz	2506	2517.7	Q64	1	99	1	0	19.61
20MHz/5MHz	2506	2517.7	Q64	1	0	1	24	17.43
20MHz/5MHz	2590.5	2602.2	QPSK	100	0	25	0	20.98
20MHz/5MHz	2590.5	2602.2	QPSK	50	50	13	12	20.30

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20MHz/5MHz	2590.5	2602.2	QPSK	1	99	1	0	19.79
20MHz/5MHz	2590.5	2602.2	QPSK	1	0	1	24	17.20
20MHz/5MHz	2590.5	2602.2	Q16	100	0	25	0	20.49
20MHz/5MHz	2590.5	2602.2	Q16	50	50	13	12	19.07
20MHz/5MHz	2590.5	2602.2	Q16	1	99	1	0	19.78
20MHz/5MHz	2590.5	2602.2	Q16	1	0	1	24	17.17
20MHz/5MHz	2590.5	2602.2	Q64	100	0	25	0	19.45
20MHz/5MHz	2590.5	2602.2	Q64	50	50	13	12	20.81
20MHz/5MHz	2590.5	2602.2	Q64	1	99	1	0	19.87
20MHz/5MHz	2590.5	2602.2	Q64	1	0	1	24	17.27
20MHz/5MHz	2675	2686.7	QPSK	100	0	25	0	20.10
20MHz/5MHz	2675	2686.7	QPSK	50	50	13	12	20.34
20MHz/5MHz	2675	2686.7	QPSK	1	99	1	0	19.33
20MHz/5MHz	2675	2686.7	QPSK	1	0	1	24	17.53
20MHz/5MHz	2675	2686.7	Q16	100	0	25	0	19.56
20MHz/5MHz	2675	2686.7	Q16	50	50	13	12	19.06
20MHz/5MHz	2675	2686.7	Q16	1	99	1	0	19.37
20MHz/5MHz	2675	2686.7	Q16	1	0	1	24	17.51
20MHz/5MHz	2675	2686.7	Q64	100	0	25	0	19.61
20MHz/5MHz	2675	2686.7	Q64	50	50	13	12	19.20
20MHz/5MHz	2675	2686.7	Q64	1	99	1	0	19.44
20MHz/5MHz	2675	2686.7	Q64	1	0	1	24	17.58
20MHz/10MHz	2506	2520.4	QPSK	100	0	50	0	20.21
20MHz/10MHz	2506	2520.4	QPSK	50	50	25	25	20.25
20MHz/10MHz	2506	2520.4	QPSK	1	99	1	0	19.26
20MHz/10MHz	2506	2520.4	QPSK	1	0	1	49	18.71
20MHz/10MHz	2506	2520.4	Q16	100	0	50	0	20.23
20MHz/10MHz	2506	2520.4	Q16	50	50	25	25	20.25
20MHz/10MHz	2506	2520.4	Q16	1	99	1	0	19.05
20MHz/10MHz	2506	2520.4	Q16	1	0	1	49	18.50
20MHz/10MHz	2506	2520.4	Q64	100	0	50	0	20.20
20MHz/10MHz	2506	2520.4	Q64	50	50	25	25	20.18
20MHz/10MHz	2506	2520.4	Q64	1	99	1	0	19.31
20MHz/10MHz	2506	2520.4	Q64	1	0	1	49	18.79
20MHz/10MHz	2588.1	2602.5	QPSK	100	0	50	0	20.34
20MHz/10MHz	2588.1	2602.5	QPSK	50	50	25	25	20.34
20MHz/10MHz	2588.1	2602.5	QPSK	1	99	1	0	19.36
20MHz/10MHz	2588.1	2602.5	QPSK	1	0	1	49	18.49
20MHz/10MHz	2588.1	2602.5	Q16	100	0	50	0	20.38

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20MHz/10MHz	2588.1	2602.5	Q16	50	50	25	25	20.41
20MHz/10MHz	2588.1	2602.5	Q16	1	99	1	0	19.34
20MHz/10MHz	2588.1	2602.5	Q16	1	0	1	49	18.58
20MHz/10MHz	2588.1	2602.5	Q64	100	0	50	0	20.33
20MHz/10MHz	2588.1	2602.5	Q64	50	50	25	25	20.38
20MHz/10MHz	2588.1	2602.5	Q64	1	99	1	0	19.41
20MHz/10MHz	2588.1	2602.5	Q64	1	0	1	49	18.63
20MHz/10MHz	2670.1	2684.5	QPSK	100	0	50	0	20.33
20MHz/10MHz	2670.1	2684.5	QPSK	50	50	25	25	20.39
20MHz/10MHz	2670.1	2684.5	QPSK	1	99	1	0	19.42
20MHz/10MHz	2670.1	2684.5	QPSK	1	0	1	49	18.48
20MHz/10MHz	2670.1	2684.5	Q16	100	0	50	0	20.32
20MHz/10MHz	2670.1	2684.5	Q16	50	50	25	25	20.32
20MHz/10MHz	2670.1	2684.5	Q16	1	99	1	0	19.23
20MHz/10MHz	2670.1	2684.5	Q16	1	0	1	49	18.43
20MHz/10MHz	2670.1	2684.5	Q64	100	0	50	0	20.34
20MHz/10MHz	2670.1	2684.5	Q64	50	50	25	25	20.37
20MHz/10MHz	2670.1	2684.5	Q64	1	99	1	0	19.42
20MHz/10MHz	2670.1	2684.5	Q64	1	0	1	49	18.77
20MHz/15MHz	2506	2523.1	QPSK	100	0	75	0	20.17
20MHz/15MHz	2506	2523.1	QPSK	50	50	38	37	20.16
20MHz/15MHz	2506	2523.1	QPSK	1	99	1	0	19.18
20MHz/15MHz	2506	2523.1	QPSK	1	0	1	74	18.69
20MHz/15MHz	2506	2523.1	Q16	100	0	75	0	20.18
20MHz/15MHz	2506	2523.1	Q16	50	50	38	37	20.18
20MHz/15MHz	2506	2523.1	Q16	1	99	1	0	19.20
20MHz/15MHz	2506	2523.1	Q16	1	0	1	74	18.68
20MHz/15MHz	2506	2523.1	Q64	100	0	75	0	20.16
20MHz/15MHz	2506	2523.1	Q64	50	50	38	37	20.14
20MHz/15MHz	2506	2523.1	Q64	1	99	1	0	19.21
20MHz/15MHz	2506	2523.1	Q64	1	0	1	74	18.76
20MHz/15MHz	2585.6	2602.7	QPSK	100	0	75	0	20.38
20MHz/15MHz	2585.6	2602.7	QPSK	50	50	38	37	20.34
20MHz/15MHz	2585.6	2602.7	QPSK	1	99	1	0	19.41
20MHz/15MHz	2585.6	2602.7	QPSK	1	0	1	74	18.87
20MHz/15MHz	2585.6	2602.7	Q16	100	0	75	0	20.40
20MHz/15MHz	2585.6	2602.7	Q16	50	50	38	37	20.36
20MHz/15MHz	2585.6	2602.7	Q16	1	99	1	0	19.38
20MHz/15MHz	2585.6	2602.7	Q16	1	0	1	74	18.91

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20MHz/15MHz	2585.6	2602.7	Q64	100	0	75	0	20.35
20MHz/15MHz	2585.6	2602.7	Q64	50	50	38	37	20.38
20MHz/15MHz	2585.6	2602.7	Q64	1	99	1	0	19.41
20MHz/15MHz	2585.6	2602.7	Q64	1	0	1	74	18.89
20MHz/15MHz	2665.1	2682.2	QPSK	100	0	75	0	20.34
20MHz/15MHz	2665.1	2682.2	QPSK	50	50	38	37	20.40
20MHz/15MHz	2665.1	2682.2	QPSK	1	99	1	0	19.45
20MHz/15MHz	2665.1	2682.2	QPSK	1	0	1	74	18.87
20MHz/15MHz	2665.1	2682.2	Q16	100	0	75	0	20.36
20MHz/15MHz	2665.1	2682.2	Q16	50	50	38	37	20.36
20MHz/15MHz	2665.1	2682.2	Q16	1	99	1	0	19.40
20MHz/15MHz	2665.1	2682.2	Q16	1	0	1	74	18.83
20MHz/15MHz	2665.1	2682.2	Q64	100	0	75	0	20.29
20MHz/15MHz	2665.1	2682.2	Q64	50	50	38	37	20.34
20MHz/15MHz	2665.1	2682.2	Q64	1	99	1	0	19.47
20MHz/15MHz	2665.1	2682.2	Q64	1	0	1	74	18.85
20MHz/20MHz	2506	2525.8	QPSK	100	0	100	0	20.15
20MHz/20MHz	2506	2525.8	QPSK	50	50	50	50	20.21
20MHz/20MHz	2506	2525.8	QPSK	1	99	1	0	19.67
20MHz/20MHz	2506	2525.8	QPSK	1	0	1	99	19.63
20MHz/20MHz	2506	2525.8	Q16	100	0	100	0	20.16
20MHz/20MHz	2506	2525.8	Q16	50	50	50	50	20.13
20MHz/20MHz	2506	2525.8	Q16	1	99	1	0	19.60
20MHz/20MHz	2506	2525.8	Q16	1	0	1	99	19.67
20MHz/20MHz	2506	2525.8	Q64	100	0	100	0	20.12
20MHz/20MHz	2506	2525.8	Q64	50	50	50	50	20.13
20MHz/20MHz	2506	2525.8	Q64	1	99	1	0	19.67
20MHz/20MHz	2506	2525.8	Q64	1	0	1	99	19.70
20MHz/20MHz	2583.1	2602.9	QPSK	100	0	100	0	20.40
20MHz/20MHz	2583.1	2602.9	QPSK	50	50	50	50	20.33
20MHz/20MHz	2583.1	2602.9	QPSK	1	99	1	0	19.89
20MHz/20MHz	2583.1	2602.9	QPSK	1	0	1	99	19.93
20MHz/20MHz	2583.1	2602.9	Q16	100	0	100	0	20.38
20MHz/20MHz	2583.1	2602.9	Q16	50	50	50	50	20.45
20MHz/20MHz	2583.1	2602.9	Q16	1	99	1	0	19.87
20MHz/20MHz	2583.1	2602.9	Q16	1	0	1	99	19.95
20MHz/20MHz	2583.1	2602.9	Q64	100	0	100	0	20.38
20MHz/20MHz	2583.1	2602.9	Q64	50	50	50	50	20.32
20MHz/20MHz	2583.1	2602.9	Q64	1	99	1	0	19.89

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20MHz/20MHz	2583.1	2602.9	Q64	1	0	1	99	19.93
20MHz/20MHz	2660.2	2680	QPSK	100	0	100	0	20.29
20MHz/20MHz	2660.2	2680	QPSK	50	50	50	50	20.31
20MHz/20MHz	2660.2	2680	QPSK	1	99	1	0	19.87
20MHz/20MHz	2660.2	2680	QPSK	1	0	1	99	19.82

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".

According to Part 90.635(b), The maximum output power of the transmitter for mobile stations is 100 watts (20 dBw).

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

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

6.3.1 Measurement result

LTE band 2

Limits 33dBm(2w)

Max EIRP:22.76dBm

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Average Power (dBm)	Radiated Power(dBm) G _T = 1.5 dBi
1.4MHz	1 RB low	1850.7	QPSK	19.90	21.40
1.4MHz	1 RB mid	1850.7	QPSK	19.93	21.43
1.4MHz	1 RB high	1850.7	QPSK	19.89	21.39
1.4MHz	100% RB	1850.7	QPSK	18.89	20.39
1.4MHz	1 RB low	1850.7	16QAM	18.98	20.48
1.4MHz	1 RB mid	1850.7	16QAM	19.11	20.61
1.4MHz	1 RB high	1850.7	16QAM	18.95	20.45
1.4MHz	100% RB	1850.7	16QAM	18.00	19.50
1.4MHz	1 RB low	1880	QPSK	19.85	21.35
1.4MHz	1 RB mid	1880	QPSK	20.03	21.53
1.4MHz	1 RB high	1880	QPSK	19.99	21.49
1.4MHz	100% RB	1880	QPSK	19.03	20.53
1.4MHz	1 RB low	1880	16QAM	19.08	20.58
1.4MHz	1 RB mid	1880	16QAM	19.23	20.73
1.4MHz	1 RB high	1880	16QAM	19.06	20.56
1.4MHz	100% RB	1880	16QAM	18.06	19.56
1.4MHz	1 RB low	1909.3	QPSK	20.94	22.44
1.4MHz	1 RB mid	1909.3	QPSK	21.01	22.51
1.4MHz	1 RB high	1909.3	QPSK	20.96	22.46
1.4MHz	100% RB	1909.3	QPSK	20.01	21.51
1.4MHz	1 RB low	1909.3	16QAM	20.09	21.59
1.4MHz	1 RB mid	1909.3	16QAM	20.21	21.71
1.4MHz	1 RB high	1909.3	16QAM	20.15	21.65
1.4MHz	100% RB	1909.3	16QAM	18.95	20.45
3MHz	1 RB low	1851.5	QPSK	20.01	21.51
3MHz	1 RB mid	1851.5	QPSK	20.05	21.55
3MHz	1 RB high	1851.5	QPSK	20.06	21.56
3MHz	100% RB	1851.5	QPSK	19.10	20.60
3MHz	1 RB low	1851.5	16QAM	19.23	20.73

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3MHz	1 RB mid	1851.5	16QAM	19.27	20.77
3MHz	1 RB high	1851.5	16QAM	19.22	20.72
3MHz	100% RB	1851.5	16QAM	18.15	19.65
3MHz	1 RB low	1880	QPSK	20.03	21.53
3MHz	1 RB mid	1880	QPSK	20.07	21.57
3MHz	1 RB high	1880	QPSK	20.08	21.58
3MHz	100% RB	1880	QPSK	19.06	20.56
3MHz	1 RB low	1880	16QAM	18.89	20.39
3MHz	1 RB mid	1880	16QAM	18.97	20.47
3MHz	1 RB high	1880	16QAM	18.98	20.48
3MHz	100% RB	1880	16QAM	18.04	19.54
3MHz	1 RB low	1908.5	QPSK	21.06	22.56
3MHz	1 RB mid	1908.5	QPSK	21.02	22.52
3MHz	1 RB high	1908.5	QPSK	21.02	22.52
3MHz	100% RB	1908.5	QPSK	20.18	21.68
3MHz	1 RB low	1908.5	16QAM	20.33	21.83
3MHz	1 RB mid	1908.5	16QAM	20.32	21.82
3MHz	1 RB high	1908.5	16QAM	20.21	21.71
3MHz	100% RB	1908.5	16QAM	19.17	20.67
5MHz	1 RB low	1852.5	QPSK	20.10	21.60
5MHz	1 RB mid	1852.5	QPSK	20.27	21.77
5MHz	1 RB high	1852.5	QPSK	20.13	21.63
5MHz	100% RB	1852.5	QPSK	19.12	20.62
5MHz	1 RB low	1852.5	16QAM	19.12	20.62
5MHz	1 RB mid	1852.5	16QAM	19.25	20.75
5MHz	1 RB high	1852.5	16QAM	19.23	20.73
5MHz	100% RB	1852.5	16QAM	18.17	19.67
5MHz	1 RB low	1880	QPSK	20.22	21.72
5MHz	1 RB mid	1880	QPSK	20.21	21.71
5MHz	1 RB high	1880	QPSK	20.28	21.78
5MHz	100% RB	1880	QPSK	19.18	20.68
5MHz	1 RB low	1880	16QAM	19.19	20.69
5MHz	1 RB mid	1880	16QAM	19.22	20.72
5MHz	1 RB high	1880	16QAM	19.27	20.77
5MHz	100% RB	1880	16QAM	18.24	19.74
5MHz	1 RB low	1907.5	QPSK	21.20	22.70
5MHz	1 RB mid	1907.5	QPSK	21.26	22.76
5MHz	1 RB high	1907.5	QPSK	21.09	22.59

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5MHz	100% RB	1907.5	QPSK	20.15	21.65
5MHz	1 RB low	1907.5	16QAM	20.44	21.94
5MHz	1 RB mid	1907.5	16QAM	20.46	21.96
5MHz	1 RB high	1907.5	16QAM	20.33	21.83
5MHz	100% RB	1907.5	16QAM	19.18	20.68
10MHz	1 RB low	1855	QPSK	20.20	21.70
10MHz	1 RB mid	1855	QPSK	20.10	21.60
10MHz	1 RB high	1855	QPSK	20.16	21.66
10MHz	100% RB	1855	QPSK	19.16	20.66
10MHz	1 RB low	1855	16QAM	19.48	20.98
10MHz	1 RB mid	1855	16QAM	19.42	20.92
10MHz	1 RB high	1855	16QAM	19.49	20.99
10MHz	100% RB	1855	16QAM	18.29	19.79
10MHz	1 RB low	1880	QPSK	20.20	21.70
10MHz	1 RB mid	1880	QPSK	20.15	21.65
10MHz	1 RB high	1880	QPSK	20.38	21.88
10MHz	100% RB	1880	QPSK	19.19	20.69
10MHz	1 RB low	1880	16QAM	19.09	20.59
10MHz	1 RB mid	1880	16QAM	19.06	20.56
10MHz	1 RB high	1880	16QAM	19.31	20.81
10MHz	100% RB	1880	16QAM	18.20	19.70
10MHz	1 RB low	1905	QPSK	21.15	22.65
10MHz	1 RB mid	1905	QPSK	21.08	22.58
10MHz	1 RB high	1905	QPSK	20.95	22.45
10MHz	100% RB	1905	QPSK	20.18	21.68
10MHz	1 RB low	1905	16QAM	20.32	21.82
10MHz	1 RB mid	1905	16QAM	20.26	21.76
10MHz	1 RB high	1905	16QAM	20.19	21.69
10MHz	100% RB	1905	16QAM	19.21	20.71
15MHz	1 RB low	1857.5	QPSK	20.22	21.72
15MHz	1 RB mid	1857.5	QPSK	20.27	21.77
15MHz	1 RB high	1857.5	QPSK	20.19	21.69
15MHz	100% RB	1857.5	QPSK	19.29	20.79
15MHz	1 RB low	1857.5	16QAM	19.40	20.90
15MHz	1 RB mid	1857.5	16QAM	19.52	21.02
15MHz	1 RB high	1857.5	16QAM	19.41	20.91
15MHz	100% RB	1857.5	16QAM	18.26	19.76
15MHz	1 RB low	1880	QPSK	20.11	21.61

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15MHz	1 RB mid	1880	QPSK	20.15	21.65
15MHz	1 RB high	1880	QPSK	20.45	21.95
15MHz	100% RB	1880	QPSK	19.20	20.70
15MHz	1 RB low	1880	16QAM	19.01	20.51
15MHz	1 RB mid	1880	16QAM	19.06	20.56
15MHz	1 RB high	1880	16QAM	19.28	20.78
15MHz	100% RB	1880	16QAM	18.21	19.71
15MHz	1 RB low	1902.5	QPSK	20.96	22.46
15MHz	1 RB mid	1902.5	QPSK	21.08	22.58
15MHz	1 RB high	1902.5	QPSK	20.92	22.42
15MHz	100% RB	1902.5	QPSK	20.09	21.59
15MHz	1 RB low	1902.5	16QAM	20.33	21.83
15MHz	1 RB mid	1902.5	16QAM	20.41	21.91
15MHz	1 RB high	1902.5	16QAM	20.25	21.75
15MHz	100% RB	1902.5	16QAM	19.23	20.73
20MHz	1 RB low	1860	QPSK	20.39	21.89
20MHz	1 RB mid	1860	QPSK	20.41	21.91
20MHz	1 RB high	1860	QPSK	20.28	21.78
20MHz	100% RB	1860	QPSK	19.29	20.79
20MHz	1 RB low	1860	16QAM	19.40	20.90
20MHz	1 RB mid	1860	16QAM	19.47	20.97
20MHz	1 RB high	1860	16QAM	19.32	20.82
20MHz	100% RB	1860	16QAM	18.35	19.85
20MHz	1 RB low	1880	QPSK	20.08	21.58
20MHz	1 RB mid	1880	QPSK	20.04	21.54
20MHz	1 RB high	1880	QPSK	20.46	21.96
20MHz	100% RB	1880	QPSK	19.24	20.74
20MHz	1 RB low	1880	16QAM	19.27	20.77
20MHz	1 RB mid	1880	16QAM	19.15	20.65
20MHz	1 RB high	1880	16QAM	19.64	21.14
20MHz	100% RB	1880	16QAM	18.37	19.87
20MHz	1 RB low	1900	QPSK	20.79	22.29
20MHz	1 RB mid	1900	QPSK	21.13	22.63
20MHz	1 RB high	1900	QPSK	21.06	22.56
20MHz	100% RB	1900	QPSK	20.14	21.64
20MHz	1 RB low	1900	16QAM	20.06	21.56
20MHz	1 RB mid	1900	16QAM	20.37	21.87
20MHz	1 RB high	1900	16QAM	20.27	21.77

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20MHz	100% RB	1900	16QAM	19.17	20.67
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LTE band 4
Limits 30dBm(1w)
Max EIRP:21.63dBm

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Average Power (dBm)	Radiated Power(dBm) G _T = 0.5 dBi
1.4MHz	1 RB low	1710.7	QPSK	20.93	21.43
1.4MHz	1 RB mid	1710.7	QPSK	20.95	21.45
1.4MHz	1 RB high	1710.7	QPSK	20.93	21.43
1.4MHz	100% RB	1710.7	QPSK	19.95	20.45
1.4MHz	1 RB low	1710.7	16QAM	20.12	20.62
1.4MHz	1 RB mid	1710.7	16QAM	20.14	20.64
1.4MHz	1 RB high	1710.7	16QAM	20.09	20.59
1.4MHz	100% RB	1710.7	16QAM	19.03	19.53
1.4MHz	1 RB low	1732.5	QPSK	20.67	21.17
1.4MHz	1 RB mid	1732.5	QPSK	20.71	21.21
1.4MHz	1 RB high	1732.5	QPSK	20.67	21.17
1.4MHz	100% RB	1732.5	QPSK	19.63	20.13
1.4MHz	1 RB low	1732.5	16QAM	19.58	20.08
1.4MHz	1 RB mid	1732.5	16QAM	19.64	20.14
1.4MHz	1 RB high	1732.5	16QAM	19.55	20.05
1.4MHz	100% RB	1732.5	16QAM	18.69	19.19
1.4MHz	1 RB low	1754.3	QPSK	20.50	21.00
1.4MHz	1 RB mid	1754.3	QPSK	20.57	21.07
1.4MHz	1 RB high	1754.3	QPSK	20.54	21.04
1.4MHz	100% RB	1754.3	QPSK	19.56	20.06
1.4MHz	1 RB low	1754.3	16QAM	19.60	20.10
1.4MHz	1 RB mid	1754.3	16QAM	19.71	20.21
1.4MHz	1 RB high	1754.3	16QAM	19.67	20.17
1.4MHz	100% RB	1754.3	16QAM	18.45	18.95
3MHz	1 RB low	1711.5	QPSK	20.98	21.48
3MHz	1 RB mid	1711.5	QPSK	20.96	21.46
3MHz	1 RB high	1711.5	QPSK	20.98	21.48
3MHz	100% RB	1711.5	QPSK	20.05	20.55
3MHz	1 RB low	1711.5	16QAM	20.15	20.65
3MHz	1 RB mid	1711.5	16QAM	20.16	20.66
3MHz	1 RB high	1711.5	16QAM	20.07	20.57
3MHz	100% RB	1711.5	16QAM	19.04	19.54

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3MHz	1 RB low	1732.5	QPSK	20.76	21.26
3MHz	1 RB mid	1732.5	QPSK	20.73	21.23
3MHz	1 RB high	1732.5	QPSK	20.67	21.17
3MHz	100% RB	1732.5	QPSK	19.72	20.22
3MHz	1 RB low	1732.5	16QAM	19.60	20.10
3MHz	1 RB mid	1732.5	16QAM	19.64	20.14
3MHz	1 RB high	1732.5	16QAM	19.56	20.06
3MHz	100% RB	1732.5	16QAM	18.67	19.17
3MHz	1 RB low	1753.5	QPSK	20.61	21.11
3MHz	1 RB mid	1753.5	QPSK	20.55	21.05
3MHz	1 RB high	1753.5	QPSK	20.58	21.08
3MHz	100% RB	1753.5	QPSK	19.59	20.09
3MHz	1 RB low	1753.5	16QAM	19.68	20.18
3MHz	1 RB mid	1753.5	16QAM	19.73	20.23
3MHz	1 RB high	1753.5	16QAM	19.68	20.18
3MHz	100% RB	1753.5	16QAM	18.54	19.04
5MHz	1 RB low	1712.5	QPSK	21.04	21.54
5MHz	1 RB mid	1712.5	QPSK	21.13	21.63
5MHz	1 RB high	1712.5	QPSK	20.98	21.48
5MHz	100% RB	1712.5	QPSK	20.00	20.50
5MHz	1 RB low	1712.5	16QAM	20.02	20.52
5MHz	1 RB mid	1712.5	16QAM	20.09	20.59
5MHz	1 RB high	1712.5	16QAM	20.05	20.55
5MHz	100% RB	1712.5	16QAM	18.99	19.49
5MHz	1 RB low	1732.5	QPSK	20.83	21.33
5MHz	1 RB mid	1732.5	QPSK	20.88	21.38
5MHz	1 RB high	1732.5	QPSK	20.72	21.22
5MHz	100% RB	1732.5	QPSK	19.75	20.25
5MHz	1 RB low	1732.5	16QAM	19.75	20.25
5MHz	1 RB mid	1732.5	16QAM	19.88	20.38
5MHz	1 RB high	1732.5	16QAM	19.73	20.23
5MHz	100% RB	1732.5	16QAM	18.82	19.32
5MHz	1 RB low	1752.5	QPSK	20.56	21.06
5MHz	1 RB mid	1752.5	QPSK	20.68	21.18
5MHz	1 RB high	1752.5	QPSK	20.61	21.11
5MHz	100% RB	1752.5	QPSK	19.58	20.08
5MHz	1 RB low	1752.5	16QAM	19.75	20.25
5MHz	1 RB mid	1752.5	16QAM	19.87	20.37

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5MHz	1 RB high	1752.5	16QAM	19.78	20.28
5MHz	100% RB	1752.5	16QAM	18.62	19.12
10MHz	1 RB low	1715	QPSK	20.95	21.45
10MHz	1 RB mid	1715	QPSK	20.95	21.45
10MHz	1 RB high	1715	QPSK	20.88	21.38
10MHz	100% RB	1715	QPSK	20.00	20.50
10MHz	1 RB low	1715	16QAM	20.04	20.54
10MHz	1 RB mid	1715	16QAM	20.02	20.52
10MHz	1 RB high	1715	16QAM	20.15	20.65
10MHz	100% RB	1715	16QAM	18.99	19.49
10MHz	1 RB low	1732.5	QPSK	20.77	21.27
10MHz	1 RB mid	1732.5	QPSK	20.73	21.23
10MHz	1 RB high	1732.5	QPSK	20.69	21.19
10MHz	100% RB	1732.5	QPSK	19.75	20.25
10MHz	1 RB low	1732.5	16QAM	19.66	20.16
10MHz	1 RB mid	1732.5	16QAM	19.62	20.12
10MHz	1 RB high	1732.5	16QAM	19.61	20.11
10MHz	100% RB	1732.5	16QAM	18.76	19.26
10MHz	1 RB low	1750	QPSK	20.48	20.98
10MHz	1 RB mid	1750	QPSK	20.51	21.01
10MHz	1 RB high	1750	QPSK	20.51	21.01
10MHz	100% RB	1750	QPSK	19.50	20.00
10MHz	1 RB low	1750	16QAM	19.66	20.16
10MHz	1 RB mid	1750	16QAM	19.65	20.15
10MHz	1 RB high	1750	16QAM	19.65	20.15
10MHz	100% RB	1750	16QAM	18.58	19.08
15MHz	1 RB low	1717.5	QPSK	20.91	21.41
15MHz	1 RB mid	1717.5	QPSK	20.88	21.38
15MHz	1 RB high	1717.5	QPSK	20.79	21.29
15MHz	100% RB	1717.5	QPSK	19.96	20.46
15MHz	1 RB low	1717.5	16QAM	20.09	20.59
15MHz	1 RB mid	1717.5	16QAM	20.11	20.61
15MHz	1 RB high	1717.5	16QAM	20.03	20.53
15MHz	100% RB	1717.5	16QAM	18.93	19.43
15MHz	1 RB low	1732.5	QPSK	20.73	21.23
15MHz	1 RB mid	1732.5	QPSK	20.75	21.25
15MHz	1 RB high	1732.5	QPSK	20.64	21.14
15MHz	100% RB	1732.5	QPSK	19.72	20.22

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15MHz	1 RB low	1732.5	16QAM	19.64	20.14
15MHz	1 RB mid	1732.5	16QAM	19.64	20.14
15MHz	1 RB high	1732.5	16QAM	19.52	20.02
15MHz	100% RB	1732.5	16QAM	18.73	19.23
15MHz	1 RB low	1747.5	QPSK	20.55	21.05
15MHz	1 RB mid	1747.5	QPSK	20.45	20.95
15MHz	1 RB high	1747.5	QPSK	20.49	20.99
15MHz	100% RB	1747.5	QPSK	19.66	20.16
15MHz	1 RB low	1747.5	16QAM	19.85	20.35
15MHz	1 RB mid	1747.5	16QAM	19.75	20.25
15MHz	1 RB high	1747.5	16QAM	19.81	20.31
15MHz	100% RB	1747.5	16QAM	18.62	19.12
20MHz	1 RB low	1720	QPSK	20.99	21.49
20MHz	1 RB mid	1720	QPSK	20.97	21.47
20MHz	1 RB high	1720	QPSK	20.88	21.38
20MHz	100% RB	1720	QPSK	19.92	20.42
20MHz	1 RB low	1720	16QAM	20.03	20.53
20MHz	1 RB mid	1720	16QAM	19.99	20.49
20MHz	1 RB high	1720	16QAM	19.91	20.41
20MHz	100% RB	1720	16QAM	18.95	19.45
20MHz	1 RB low	1732.5	QPSK	20.65	21.15
20MHz	1 RB mid	1732.5	QPSK	20.58	21.08
20MHz	1 RB high	1732.5	QPSK	20.54	21.04
20MHz	100% RB	1732.5	QPSK	19.78	20.28
20MHz	1 RB low	1732.5	16QAM	19.76	20.26
20MHz	1 RB mid	1732.5	16QAM	19.70	20.20
20MHz	1 RB high	1732.5	16QAM	19.64	20.14
20MHz	100% RB	1732.5	16QAM	18.80	19.30
20MHz	1 RB low	1745	QPSK	20.64	21.14
20MHz	1 RB mid	1745	QPSK	20.52	21.02
20MHz	1 RB high	1745	QPSK	20.60	21.10
20MHz	100% RB	1745	QPSK	19.64	20.14
20MHz	1 RB low	1745	16QAM	19.82	20.32
20MHz	1 RB mid	1745	16QAM	19.72	20.22
20MHz	1 RB high	1745	16QAM	19.81	20.31
20MHz	100% RB	1745	16QAM	18.69	19.19

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LTE band 5
Limits 38.5dBm(7w)
Max ERP:22.58dBm

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Average Power (dBm)	Radiated Power(dBm) G _T = 0.5 dBi
1.4MHz	1 RB low	824.7	QPSK	21.72	22.22
1.4MHz	1 RB mid	824.7	QPSK	21.69	22.19
1.4MHz	1 RB high	824.7	QPSK	21.69	22.19
1.4MHz	100% RB	824.7	QPSK	20.86	21.36
1.4MHz	1 RB low	824.7	16QAM	20.91	21.41
1.4MHz	1 RB mid	824.7	16QAM	20.97	21.47
1.4MHz	1 RB high	824.7	16QAM	20.92	21.42
1.4MHz	100% RB	824.7	16QAM	19.91	20.41
1.4MHz	1 RB low	836.5	QPSK	21.91	22.41
1.4MHz	1 RB mid	836.5	QPSK	21.95	22.45
1.4MHz	1 RB high	836.5	QPSK	21.91	22.41
1.4MHz	100% RB	836.5	QPSK	20.96	21.46
1.4MHz	1 RB low	836.5	16QAM	20.77	21.27
1.4MHz	1 RB mid	836.5	16QAM	20.87	21.37
1.4MHz	1 RB high	836.5	16QAM	20.78	21.28
1.4MHz	100% RB	836.5	16QAM	19.82	20.32
1.4MHz	1 RB low	848.3	QPSK	22.01	22.51
1.4MHz	1 RB mid	848.3	QPSK	22.00	22.50
1.4MHz	1 RB high	848.3	QPSK	22.01	22.51
1.4MHz	100% RB	848.3	QPSK	21.09	21.59
1.4MHz	1 RB low	848.3	16QAM	20.96	21.46
1.4MHz	1 RB mid	848.3	16QAM	21.04	21.54
1.4MHz	1 RB high	848.3	16QAM	20.94	21.44
1.4MHz	100% RB	848.3	16QAM	19.86	20.36
3MHz	1 RB low	825.5	QPSK	21.77	22.27
3MHz	1 RB mid	825.5	QPSK	21.75	22.25
3MHz	1 RB high	825.5	QPSK	21.74	22.24
3MHz	100% RB	825.5	QPSK	20.86	21.36
3MHz	1 RB low	825.5	16QAM	20.96	21.46
3MHz	1 RB mid	825.5	16QAM	20.94	21.44
3MHz	1 RB high	825.5	16QAM	20.88	21.38
3MHz	100% RB	825.5	16QAM	19.87	20.37

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3MHz	1 RB low	836.5	QPSK	21.93	22.43
3MHz	1 RB mid	836.5	QPSK	21.86	22.36
3MHz	1 RB high	836.5	QPSK	21.87	22.37
3MHz	100% RB	836.5	QPSK	20.87	21.37
3MHz	1 RB low	836.5	16QAM	20.75	21.25
3MHz	1 RB mid	836.5	16QAM	20.75	21.25
3MHz	1 RB high	836.5	16QAM	20.70	21.20
3MHz	100% RB	836.5	16QAM	19.81	20.31
3MHz	1 RB low	847.5	QPSK	21.98	22.48
3MHz	1 RB mid	847.5	QPSK	21.96	22.46
3MHz	1 RB high	847.5	QPSK	22.08	22.58
3MHz	100% RB	847.5	QPSK	20.94	21.44
3MHz	1 RB low	847.5	16QAM	21.06	21.56
3MHz	1 RB mid	847.5	16QAM	20.95	21.45
3MHz	1 RB high	847.5	16QAM	20.90	21.40
3MHz	100% RB	847.5	16QAM	19.88	20.38
5MHz	1 RB low	826.5	QPSK	21.90	22.40
5MHz	1 RB mid	826.5	QPSK	21.89	22.39
5MHz	1 RB high	826.5	QPSK	21.78	22.28
5MHz	100% RB	826.5	QPSK	20.83	21.33
5MHz	1 RB low	826.5	16QAM	20.87	21.37
5MHz	1 RB mid	826.5	16QAM	20.88	21.38
5MHz	1 RB high	826.5	16QAM	20.80	21.30
5MHz	100% RB	826.5	16QAM	19.88	20.38
5MHz	1 RB low	836.5	QPSK	21.95	22.45
5MHz	1 RB mid	836.5	QPSK	22.00	22.50
5MHz	1 RB high	836.5	QPSK	21.91	22.41
5MHz	100% RB	836.5	QPSK	20.87	21.37
5MHz	1 RB low	836.5	16QAM	20.95	21.45
5MHz	1 RB mid	836.5	16QAM	20.97	21.47
5MHz	1 RB high	836.5	16QAM	20.90	21.40
5MHz	100% RB	836.5	16QAM	19.94	20.44
5MHz	1 RB low	846.5	QPSK	22.02	22.52
5MHz	1 RB mid	846.5	QPSK	22.07	22.57
5MHz	1 RB high	846.5	QPSK	21.98	22.48
5MHz	100% RB	846.5	QPSK	20.96	21.46
5MHz	1 RB low	846.5	16QAM	21.22	21.72
5MHz	1 RB mid	846.5	16QAM	21.15	21.65

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5MHz	1 RB high	846.5	16QAM	21.00	21.50
5MHz	100% RB	846.5	16QAM	19.92	20.42
10MHz	1 RB low	829	QPSK	21.84	22.34
10MHz	1 RB mid	829	QPSK	21.76	22.26
10MHz	1 RB high	829	QPSK	21.73	22.23
10MHz	100% RB	829	QPSK	20.93	21.43
10MHz	1 RB low	829	16QAM	21.02	21.52
10MHz	1 RB mid	829	16QAM	20.94	21.44
10MHz	1 RB high	829	16QAM	20.90	21.40
10MHz	100% RB	829	16QAM	19.91	20.41
10MHz	1 RB low	836.5	QPSK	21.99	22.49
10MHz	1 RB mid	836.5	QPSK	21.87	22.37
10MHz	1 RB high	836.5	QPSK	21.79	22.29
10MHz	100% RB	836.5	QPSK	20.89	21.39
10MHz	1 RB low	836.5	16QAM	20.87	21.37
10MHz	1 RB mid	836.5	16QAM	20.76	21.26
10MHz	1 RB high	836.5	16QAM	20.74	21.24
10MHz	100% RB	836.5	16QAM	19.92	20.42
10MHz	1 RB low	844	QPSK	21.90	22.40
10MHz	1 RB mid	844	QPSK	21.97	22.47
10MHz	1 RB high	844	QPSK	21.86	22.36
10MHz	100% RB	844	QPSK	20.86	21.36
10MHz	1 RB low	844	16QAM	21.05	21.55
10MHz	1 RB mid	844	16QAM	21.07	21.57
10MHz	1 RB high	844	16QAM	20.87	21.37
10MHz	100% RB	844	16QAM	19.91	20.41

LTE band 7
Limits 33dBm(2w)
Max EIRP:23.05dBm

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Average Power (dBm)	Radiated Power(dBm) G _T = 1.0 dBi
5MHz	1 RB low	2502.5	QPSK	21.84	22.84
5MHz	1 RB mid	2502.5	QPSK	21.86	22.86
5MHz	1 RB high	2502.5	QPSK	21.87	22.87
5MHz	100% RB	2502.5	QPSK	20.83	21.83
5MHz	1 RB low	2502.5	16QAM	20.97	21.97
5MHz	1 RB mid	2502.5	16QAM	21.03	22.03
5MHz	1 RB high	2502.5	16QAM	20.95	21.95
5MHz	100% RB	2502.5	16QAM	19.87	20.87
5MHz	1 RB low	2535	QPSK	21.83	22.83
5MHz	1 RB mid	2535	QPSK	21.88	22.88
5MHz	1 RB high	2535	QPSK	21.80	22.80
5MHz	100% RB	2535	QPSK	20.86	21.86
5MHz	1 RB low	2535	16QAM	20.92	21.92
5MHz	1 RB mid	2535	16QAM	21.03	22.03
5MHz	1 RB high	2535	16QAM	20.81	21.81
5MHz	100% RB	2535	16QAM	19.88	20.88
5MHz	1 RB low	2567.5	QPSK	21.42	22.42
5MHz	1 RB mid	2567.5	QPSK	21.32	22.32
5MHz	1 RB high	2567.5	QPSK	21.18	22.18
5MHz	100% RB	2567.5	QPSK	20.36	21.36
5MHz	1 RB low	2567.5	16QAM	20.49	21.49
5MHz	1 RB mid	2567.5	16QAM	20.59	21.59
5MHz	1 RB high	2567.5	16QAM	20.56	21.56
5MHz	100% RB	2567.5	16QAM	19.41	20.41
10MHz	1 RB low	2505	QPSK	21.83	22.83
10MHz	1 RB mid	2505	QPSK	21.85	22.85
10MHz	1 RB high	2505	QPSK	21.92	22.92
10MHz	100% RB	2505	QPSK	21.00	22.00
10MHz	1 RB low	2505	16QAM	21.07	22.07
10MHz	1 RB mid	2505	16QAM	21.05	22.05
10MHz	1 RB high	2505	16QAM	21.16	22.16
10MHz	100% RB	2505	16QAM	20.04	21.04

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10MHz	1 RB low	2535	QPSK	21.84	22.84
10MHz	1 RB mid	2535	QPSK	21.78	22.78
10MHz	1 RB high	2535	QPSK	21.79	22.79
10MHz	100% RB	2535	QPSK	20.81	21.81
10MHz	1 RB low	2535	16QAM	20.75	21.75
10MHz	1 RB mid	2535	16QAM	20.73	21.73
10MHz	1 RB high	2535	16QAM	20.70	21.70
10MHz	100% RB	2535	16QAM	19.88	20.88
10MHz	1 RB low	2565	QPSK	21.41	22.41
10MHz	1 RB mid	2565	QPSK	21.31	22.31
10MHz	1 RB high	2565	QPSK	21.25	22.25
10MHz	100% RB	2565	QPSK	20.46	21.46
10MHz	1 RB low	2565	16QAM	20.66	21.66
10MHz	1 RB mid	2565	16QAM	20.57	21.57
10MHz	1 RB high	2565	16QAM	20.48	21.48
10MHz	100% RB	2565	16QAM	19.52	20.52
15MHz	1 RB low	2507.5	QPSK	21.93	22.93
15MHz	1 RB mid	2507.5	QPSK	21.88	22.88
15MHz	1 RB high	2507.5	QPSK	22.05	23.05
15MHz	100% RB	2507.5	QPSK	21.03	22.03
15MHz	1 RB low	2507.5	16QAM	21.14	22.14
15MHz	1 RB mid	2507.5	16QAM	21.14	22.14
15MHz	1 RB high	2507.5	16QAM	21.28	22.28
15MHz	100% RB	2507.5	16QAM	20.04	21.04
15MHz	1 RB low	2535	QPSK	22.00	23.00
15MHz	1 RB mid	2535	QPSK	21.78	22.78
15MHz	1 RB high	2535	QPSK	21.79	22.79
15MHz	100% RB	2535	QPSK	20.84	21.84
15MHz	1 RB low	2535	16QAM	20.91	21.91
15MHz	1 RB mid	2535	16QAM	20.70	21.70
15MHz	1 RB high	2535	16QAM	20.69	21.69
15MHz	100% RB	2535	16QAM	19.87	20.87
15MHz	1 RB low	2562.5	QPSK	21.48	22.48
15MHz	1 RB mid	2562.5	QPSK	21.36	22.36
15MHz	1 RB high	2562.5	QPSK	21.28	22.28
15MHz	100% RB	2562.5	QPSK	20.54	21.54
15MHz	1 RB low	2562.5	16QAM	20.84	21.84
15MHz	1 RB mid	2562.5	16QAM	20.71	21.71

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15MHz	1 RB high	2562.5	16QAM	20.67	21.67
15MHz	100% RB	2562.5	16QAM	19.60	20.60
20MHz	1 RB low	2510	QPSK	21.91	22.91
20MHz	1 RB mid	2510	QPSK	21.91	22.91
20MHz	1 RB high	2510	QPSK	22.02	23.02
20MHz	100% RB	2510	QPSK	20.92	21.92
20MHz	1 RB low	2510	16QAM	20.94	21.94
20MHz	1 RB mid	2510	16QAM	20.97	21.97
20MHz	1 RB high	2510	16QAM	21.10	22.10
20MHz	100% RB	2510	16QAM	19.98	20.98
20MHz	1 RB low	2535	QPSK	21.89	22.89
20MHz	1 RB mid	2535	QPSK	21.69	22.69
20MHz	1 RB high	2535	QPSK	21.62	22.62
20MHz	100% RB	2535	QPSK	20.90	21.90
20MHz	1 RB low	2535	16QAM	21.05	22.05
20MHz	1 RB mid	2535	16QAM	20.83	21.83
20MHz	1 RB high	2535	16QAM	20.81	21.81
20MHz	100% RB	2535	16QAM	19.97	20.97
20MHz	1 RB low	2560	QPSK	21.59	22.59
20MHz	1 RB mid	2560	QPSK	21.51	22.51
20MHz	1 RB high	2560	QPSK	21.35	22.35
20MHz	100% RB	2560	QPSK	20.59	21.59
20MHz	1 RB low	2560	16QAM	20.79	21.79
20MHz	1 RB mid	2560	16QAM	20.75	21.75
20MHz	1 RB high	2560	16QAM	20.59	21.59
20MHz	100% RB	2560	16QAM	19.67	20.67

LTE band 12
Limits 34.7dBm(3w)
Max ERP:22.71dBm

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Average Power (dBm)	Radiated Power(dBm) G _T = 0dBi
1.4MHz	1 RB low	699.7	QPSK	22.60	22.60
1.4MHz	1 RB mid	699.7	QPSK	22.60	22.60
1.4MHz	1 RB high	699.7	QPSK	22.60	22.60
1.4MHz	100% RB	699.7	QPSK	21.56	21.56
1.4MHz	1 RB low	699.7	16QAM	21.71	21.71
1.4MHz	1 RB mid	699.7	16QAM	21.79	21.79
1.4MHz	1 RB high	699.7	16QAM	21.67	21.67
1.4MHz	100% RB	699.7	16QAM	20.60	20.60
1.4MHz	1 RB low	707.5	QPSK	22.53	22.53
1.4MHz	1 RB mid	707.5	QPSK	22.57	22.57
1.4MHz	1 RB high	707.5	QPSK	22.55	22.55
1.4MHz	100% RB	707.5	QPSK	21.49	21.49
1.4MHz	1 RB low	707.5	16QAM	21.46	21.46
1.4MHz	1 RB mid	707.5	16QAM	21.51	21.51
1.4MHz	1 RB high	707.5	16QAM	21.41	21.41
1.4MHz	100% RB	707.5	16QAM	20.55	20.55
1.4MHz	1 RB low	715.3	QPSK	22.48	22.48
1.4MHz	1 RB mid	715.3	QPSK	22.47	22.47
1.4MHz	1 RB high	715.3	QPSK	22.46	22.46
1.4MHz	100% RB	715.3	QPSK	21.47	21.47
1.4MHz	1 RB low	715.3	16QAM	21.54	21.54
1.4MHz	1 RB mid	715.3	16QAM	21.62	21.62
1.4MHz	1 RB high	715.3	16QAM	21.58	21.58
1.4MHz	100% RB	715.3	16QAM	20.43	20.43
3MHz	1 RB low	700.5	QPSK	22.61	22.61
3MHz	1 RB mid	700.5	QPSK	22.58	22.58
3MHz	1 RB high	700.5	QPSK	22.56	22.56
3MHz	100% RB	700.5	QPSK	21.63	21.63
3MHz	1 RB low	700.5	16QAM	21.81	21.81
3MHz	1 RB mid	700.5	16QAM	21.74	21.74
3MHz	1 RB high	700.5	16QAM	21.72	21.72
3MHz	100% RB	700.5	16QAM	20.65	20.65

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3MHz	1 RB low	707.5	QPSK	22.66	22.66
3MHz	1 RB mid	707.5	QPSK	22.56	22.56
3MHz	1 RB high	707.5	QPSK	22.52	22.52
3MHz	100% RB	707.5	QPSK	21.58	21.58
3MHz	1 RB low	707.5	16QAM	21.51	21.51
3MHz	1 RB mid	707.5	16QAM	21.48	21.48
3MHz	1 RB high	707.5	16QAM	21.44	21.44
3MHz	100% RB	707.5	16QAM	20.55	20.55
3MHz	1 RB low	714.5	QPSK	22.57	22.57
3MHz	1 RB mid	714.5	QPSK	22.51	22.51
3MHz	1 RB high	714.5	QPSK	22.54	22.54
3MHz	100% RB	714.5	QPSK	21.61	21.61
3MHz	1 RB low	714.5	16QAM	21.69	21.69
3MHz	1 RB mid	714.5	16QAM	21.64	21.64
3MHz	1 RB high	714.5	16QAM	21.64	21.64
3MHz	100% RB	714.5	16QAM	20.59	20.59
5MHz	1 RB low	701.5	QPSK	22.69	22.69
5MHz	1 RB mid	701.5	QPSK	22.70	22.70
5MHz	1 RB high	701.5	QPSK	22.69	22.69
5MHz	100% RB	701.5	QPSK	21.73	21.73
5MHz	1 RB low	701.5	16QAM	21.69	21.69
5MHz	1 RB mid	701.5	16QAM	21.70	21.70
5MHz	1 RB high	701.5	16QAM	21.74	21.74
5MHz	100% RB	701.5	16QAM	20.80	20.80
5MHz	1 RB low	707.5	QPSK	22.71	22.71
5MHz	1 RB mid	707.5	QPSK	22.69	22.69
5MHz	1 RB high	707.5	QPSK	22.59	22.59
5MHz	100% RB	707.5	QPSK	21.53	21.53
5MHz	1 RB low	707.5	16QAM	21.67	21.67
5MHz	1 RB mid	707.5	16QAM	21.71	21.71
5MHz	1 RB high	707.5	16QAM	21.58	21.58
5MHz	100% RB	707.5	16QAM	20.67	20.67
5MHz	1 RB low	713.5	QPSK	22.54	22.54
5MHz	1 RB mid	713.5	QPSK	22.65	22.65
5MHz	1 RB high	713.5	QPSK	22.56	22.56
5MHz	100% RB	713.5	QPSK	21.46	21.46
5MHz	1 RB low	713.5	16QAM	21.70	21.70
5MHz	1 RB mid	713.5	16QAM	21.82	21.82

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5MHz	1 RB high	713.5	16QAM	21.74	21.74
5MHz	100% RB	713.5	16QAM	20.50	20.50
10MHz	1 RB low	704	QPSK	22.59	22.59
10MHz	1 RB mid	704	QPSK	22.61	22.61
10MHz	1 RB high	704	QPSK	22.54	22.54
10MHz	100% RB	704	QPSK	21.72	21.72
10MHz	1 RB low	704	16QAM	21.81	21.81
10MHz	1 RB mid	704	16QAM	21.86	21.86
10MHz	1 RB high	704	16QAM	21.71	21.71
10MHz	100% RB	704	16QAM	20.70	20.70
10MHz	1 RB low	707.5	QPSK	22.63	22.63
10MHz	1 RB mid	707.5	QPSK	22.61	22.61
10MHz	1 RB high	707.5	QPSK	22.48	22.48
10MHz	100% RB	707.5	QPSK	21.57	21.57
10MHz	1 RB low	707.5	16QAM	21.52	21.52
10MHz	1 RB mid	707.5	16QAM	21.50	21.50
10MHz	1 RB high	707.5	16QAM	21.40	21.40
10MHz	100% RB	707.5	16QAM	20.63	20.63
10MHz	1 RB low	711	QPSK	22.56	22.56
10MHz	1 RB mid	711	QPSK	22.48	22.48
10MHz	1 RB high	711	QPSK	22.48	22.48
10MHz	100% RB	711	QPSK	21.53	21.53
10MHz	1 RB low	711	16QAM	21.77	21.77
10MHz	1 RB mid	711	16QAM	21.60	21.60
10MHz	1 RB high	711	16QAM	21.60	21.60
10MHz	100% RB	711	16QAM	20.56	20.56

LTE band 13
Limits 38.5dBm(7w)
Max ERP:22.41dBm

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Average Power (dBm)	Radiated Power(dBm) G _T = 0dBi
5MHz	1 RB low	779.5	QPSK	22.40	22.40
5MHz	1 RB mid	779.5	QPSK	22.41	22.41
5MHz	1 RB high	779.5	QPSK	22.24	22.24
5MHz	100% RB	779.5	QPSK	21.23	21.23
5MHz	1 RB low	779.5	16QAM	21.37	21.37
5MHz	1 RB mid	779.5	16QAM	21.38	21.38
5MHz	1 RB high	779.5	16QAM	21.26	21.26
5MHz	100% RB	779.5	16QAM	20.32	20.32
5MHz	1 RB low	782	QPSK	22.29	22.29
5MHz	1 RB mid	782	QPSK	22.29	22.29
5MHz	1 RB high	782	QPSK	22.16	22.16
5MHz	100% RB	782	QPSK	21.17	21.17
5MHz	1 RB low	782	16QAM	21.45	21.45
5MHz	1 RB mid	782	16QAM	21.49	21.49
5MHz	1 RB high	782	16QAM	21.38	21.38
5MHz	100% RB	782	16QAM	20.19	20.19
5MHz	1 RB low	784.5	QPSK	22.23	22.23
5MHz	1 RB mid	784.5	QPSK	22.22	22.22
5MHz	1 RB high	784.5	QPSK	22.13	22.13
5MHz	100% RB	784.5	QPSK	21.17	21.17
5MHz	1 RB low	784.5	16QAM	21.22	21.22
5MHz	1 RB mid	784.5	16QAM	21.26	21.26
5MHz	1 RB high	784.5	16QAM	21.16	21.16
5MHz	100% RB	784.5	16QAM	20.22	20.22
10MHz	1 RB low	782	QPSK	22.25	22.25
10MHz	1 RB mid	782	QPSK	22.17	22.17
10MHz	1 RB high	782	QPSK	22.07	22.07
10MHz	100% RB	782	QPSK	21.30	21.30
10MHz	1 RB low	782	16QAM	21.47	21.47
10MHz	1 RB mid	782	16QAM	21.35	21.35
10MHz	1 RB high	782	16QAM	21.30	21.30
10MHz	100% RB	782	16QAM	20.24	20.24

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10MHz	1 RB low	782	QPSK	22.24	22.24
10MHz	1 RB mid	782	QPSK	22.15	22.15
10MHz	1 RB high	782	QPSK	22.09	22.09
10MHz	100% RB	782	QPSK	21.24	21.24
10MHz	1 RB low	782	16QAM	21.44	21.44
10MHz	1 RB mid	782	16QAM	21.33	21.33
10MHz	1 RB high	782	16QAM	21.27	21.27
10MHz	100% RB	782	16QAM	20.24	20.24
10MHz	1 RB low	782	QPSK	22.27	22.27
10MHz	1 RB mid	782	QPSK	22.14	22.14
10MHz	1 RB high	782	QPSK	22.05	22.05
10MHz	100% RB	782	QPSK	21.23	21.23
10MHz	1 RB low	782	16QAM	21.45	21.45
10MHz	1 RB mid	782	16QAM	21.31	21.31
10MHz	1 RB high	782	16QAM	21.26	21.26
10MHz	100% RB	782	16QAM	20.21	20.21

LTE band 14
Limits 38.5dBm(7w)
Max ERP:23.55dBm

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Average Power (dBm)	Radiated Power(dBm) G _T = 0dBi
5MHz	1 RB low	790.5	QPSK	23.47	23.47
5MHz	1 RB mid	790.5	QPSK	23.53	23.53
5MHz	1 RB high	790.5	QPSK	23.45	23.45
5MHz	100% RB	790.5	QPSK	22.45	22.45
5MHz	1 RB low	790.5	16QAM	22.48	22.48
5MHz	1 RB mid	790.5	16QAM	22.52	22.52
5MHz	1 RB high	790.5	16QAM	22.46	22.46
5MHz	100% RB	790.5	16QAM	21.52	21.52
5MHz	1 RB low	793	QPSK	23.52	23.52
5MHz	1 RB mid	793	QPSK	23.55	23.55
5MHz	1 RB high	793	QPSK	23.51	23.51
5MHz	100% RB	793	QPSK	22.51	22.51
5MHz	1 RB low	793	16QAM	22.48	22.48
5MHz	1 RB mid	793	16QAM	22.54	22.54
5MHz	1 RB high	793	16QAM	22.52	22.52
5MHz	100% RB	793	16QAM	21.54	21.54
5MHz	1 RB low	795.5	QPSK	23.40	23.40
5MHz	1 RB mid	795.5	QPSK	23.45	23.45
5MHz	1 RB high	795.5	QPSK	23.40	23.40
5MHz	100% RB	795.5	QPSK	22.37	22.37
5MHz	1 RB low	795.5	16QAM	22.55	22.55
5MHz	1 RB mid	795.5	16QAM	22.67	22.67
5MHz	1 RB high	795.5	16QAM	22.59	22.59
5MHz	100% RB	795.5	16QAM	21.38	21.38
10MHz	1 RB low	793	QPSK	23.44	23.44
10MHz	1 RB mid	793	QPSK	23.39	23.39
10MHz	1 RB high	793	QPSK	23.40	23.40
10MHz	100% RB	793	QPSK	22.48	22.48
10MHz	1 RB low	793	16QAM	22.62	22.62
10MHz	1 RB mid	793	16QAM	22.52	22.52
10MHz	1 RB high	793	16QAM	22.61	22.61
10MHz	100% RB	793	16QAM	21.50	21.50

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10MHz	1 RB low	793	QPSK	23.41	23.41
10MHz	1 RB mid	793	QPSK	23.36	23.36
10MHz	1 RB high	793	QPSK	23.43	23.43
10MHz	100% RB	793	QPSK	22.47	22.47
10MHz	1 RB low	793	16QAM	22.60	22.60
10MHz	1 RB mid	793	16QAM	22.60	22.60
10MHz	1 RB high	793	16QAM	22.61	22.61
10MHz	100% RB	793	16QAM	21.41	21.41
10MHz	1 RB low	793	QPSK	23.37	23.37
10MHz	1 RB mid	793	QPSK	23.35	23.35
10MHz	1 RB high	793	QPSK	23.39	23.39
10MHz	100% RB	793	QPSK	22.43	22.43
10MHz	1 RB low	793	16QAM	22.59	22.59
10MHz	1 RB mid	793	16QAM	22.54	22.54
10MHz	1 RB high	793	16QAM	22.58	22.58
10MHz	100% RB	793	16QAM	21.48	21.48

LTE band 17
Limits 34.7dBm(3w)
Max ERP:22.81dBm

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Average Power (dBm)	Radiated Power(dBm) G _T = 0dBi
5MHz	1 RB low	706.5	QPSK	22.73	22.73
5MHz	1 RB mid	706.5	QPSK	22.81	22.81
5MHz	1 RB high	706.5	QPSK	22.72	22.72
5MHz	100% RB	706.5	QPSK	21.77	21.77
5MHz	1 RB low	706.5	16QAM	21.79	21.79
5MHz	1 RB mid	706.5	16QAM	21.92	21.92
5MHz	1 RB high	706.5	16QAM	21.79	21.79
5MHz	100% RB	706.5	16QAM	20.82	20.82
5MHz	1 RB low	710	QPSK	22.67	22.67
5MHz	1 RB mid	710	QPSK	22.69	22.69
5MHz	1 RB high	710	QPSK	22.70	22.70
5MHz	100% RB	710	QPSK	21.67	21.67
5MHz	1 RB low	710	16QAM	21.89	21.89
5MHz	1 RB mid	710	16QAM	21.83	21.83
5MHz	1 RB high	710	16QAM	21.90	21.90
5MHz	100% RB	710	16QAM	20.70	20.70
5MHz	1 RB low	713.5	QPSK	22.55	22.55
5MHz	1 RB mid	713.5	QPSK	22.69	22.69
5MHz	1 RB high	713.5	QPSK	22.61	22.61
5MHz	100% RB	713.5	QPSK	21.56	21.56
5MHz	1 RB low	713.5	16QAM	21.56	21.56
5MHz	1 RB mid	713.5	16QAM	21.71	21.71
5MHz	1 RB high	713.5	16QAM	21.57	21.57
5MHz	100% RB	713.5	16QAM	20.60	20.60
10MHz	1 RB low	709	QPSK	22.65	22.65
10MHz	1 RB mid	709	QPSK	22.60	22.60
10MHz	1 RB high	709	QPSK	22.60	22.60
10MHz	100% RB	709	QPSK	21.75	21.75
10MHz	1 RB low	709	16QAM	21.83	21.83
10MHz	1 RB mid	709	16QAM	21.79	21.79
10MHz	1 RB high	709	16QAM	21.81	21.81

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10MHz	100% RB	709	16QAM	20.74	20.74
10MHz	1 RB low	710	QPSK	22.70	22.70
10MHz	1 RB mid	710	QPSK	22.62	22.62
10MHz	1 RB high	710	QPSK	22.64	22.64
10MHz	100% RB	710	QPSK	21.73	21.73
10MHz	1 RB low	710	16QAM	21.57	21.57
10MHz	1 RB mid	710	16QAM	21.48	21.48
10MHz	1 RB high	710	16QAM	21.55	21.55
10MHz	100% RB	710	16QAM	20.76	20.76
10MHz	1 RB low	711	QPSK	22.70	22.70
10MHz	1 RB mid	711	QPSK	22.57	22.57
10MHz	1 RB high	711	QPSK	22.60	22.60
10MHz	100% RB	711	QPSK	21.68	21.68
10MHz	1 RB low	711	16QAM	21.91	21.91
10MHz	1 RB mid	711	16QAM	21.72	21.72
10MHz	1 RB high	711	16QAM	21.76	21.76
10MHz	100% RB	711	16QAM	20.75	20.75

LTE band 25
Limits 33dBm(2w)
Max EIRP:24.66dBm

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Average Power (dBm)	Radiated Power(dBm) G _T = 1.5dBi
1.4MHz	1 RB low	1850.7	QPSK	22.34	23.84
1.4MHz	1 RB mid	1850.7	QPSK	22.38	23.88
1.4MHz	1 RB high	1850.7	QPSK	22.35	23.85
1.4MHz	100% RB	1850.7	QPSK	21.31	22.81
1.4MHz	1 RB low	1850.7	16QAM	21.23	22.73
1.4MHz	1 RB mid	1850.7	16QAM	21.34	22.84
1.4MHz	1 RB high	1850.7	16QAM	21.21	22.71
1.4MHz	100% RB	1850.7	16QAM	20.33	21.83
1.4MHz	1 RB low	1882.5	QPSK	22.24	23.74
1.4MHz	1 RB mid	1882.5	QPSK	22.27	23.77
1.4MHz	1 RB high	1882.5	QPSK	22.24	23.74
1.4MHz	100% RB	1882.5	QPSK	21.25	22.75
1.4MHz	1 RB low	1882.5	16QAM	21.36	22.86
1.4MHz	1 RB mid	1882.5	16QAM	21.47	22.97

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1.4MHz	1 RB high	1882.5	16QAM	21.36	22.86
1.4MHz	100% RB	1882.5	16QAM	20.18	21.68
1.4MHz	1 RB low	1914.3	QPSK	22.92	24.42
1.4MHz	1 RB mid	1914.3	QPSK	22.94	24.44
1.4MHz	1 RB high	1914.3	QPSK	22.92	24.42
1.4MHz	100% RB	1914.3	QPSK	21.88	23.38
1.4MHz	1 RB low	1914.3	16QAM	22.11	23.61
1.4MHz	1 RB mid	1914.3	16QAM	22.14	23.64
1.4MHz	1 RB high	1914.3	16QAM	22.06	23.56
1.4MHz	100% RB	1914.3	16QAM	20.97	22.47
3MHz	1 RB low	1851.5	QPSK	22.30	23.80
3MHz	1 RB mid	1851.5	QPSK	22.38	23.88
3MHz	1 RB high	1851.5	QPSK	22.32	23.82
3MHz	100% RB	1851.5	QPSK	21.39	22.89
3MHz	1 RB low	1851.5	16QAM	21.54	23.04
3MHz	1 RB mid	1851.5	16QAM	21.56	23.06
3MHz	1 RB high	1851.5	16QAM	21.51	23.01
3MHz	100% RB	1851.5	16QAM	20.42	21.92
3MHz	1 RB low	1882.5	QPSK	22.37	23.87
3MHz	1 RB mid	1882.5	QPSK	22.41	23.91
3MHz	1 RB high	1882.5	QPSK	22.37	23.87
3MHz	100% RB	1882.5	QPSK	21.38	22.88
3MHz	1 RB low	1882.5	16QAM	21.18	22.68
3MHz	1 RB mid	1882.5	16QAM	21.30	22.80
3MHz	1 RB high	1882.5	16QAM	21.27	22.77
3MHz	100% RB	1882.5	16QAM	20.30	21.80
3MHz	1 RB low	1913.5	QPSK	23.03	24.53
3MHz	1 RB mid	1913.5	QPSK	22.97	24.47
3MHz	1 RB high	1913.5	QPSK	22.99	24.49
3MHz	100% RB	1913.5	QPSK	22.04	23.54
3MHz	1 RB low	1913.5	16QAM	22.14	23.64
3MHz	1 RB mid	1913.5	16QAM	22.15	23.65
3MHz	1 RB high	1913.5	16QAM	22.09	23.59
3MHz	100% RB	1913.5	16QAM	20.96	22.46
5MHz	1 RB low	1852.5	QPSK	22.44	23.94
5MHz	1 RB mid	1852.5	QPSK	22.54	24.04
5MHz	1 RB high	1852.5	QPSK	22.45	23.95
5MHz	100% RB	1852.5	QPSK	21.45	22.95

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5MHz	1 RB low	1852.5	16QAM	21.43	22.93
5MHz	1 RB mid	1852.5	16QAM	21.57	23.07
5MHz	1 RB high	1852.5	16QAM	21.50	23.00
5MHz	100% RB	1852.5	16QAM	20.46	21.96
5MHz	1 RB low	1882.5	QPSK	22.42	23.92
5MHz	1 RB mid	1882.5	QPSK	22.56	24.06
5MHz	1 RB high	1882.5	QPSK	22.52	24.02
5MHz	100% RB	1882.5	QPSK	21.38	22.88
5MHz	1 RB low	1882.5	16QAM	21.36	22.86
5MHz	1 RB mid	1882.5	16QAM	21.56	23.06
5MHz	1 RB high	1882.5	16QAM	21.54	23.04
5MHz	100% RB	1882.5	16QAM	20.48	21.98
5MHz	1 RB low	1912.5	QPSK	23.09	24.59
5MHz	1 RB mid	1912.5	QPSK	23.16	24.66
5MHz	1 RB high	1912.5	QPSK	23.02	24.52
5MHz	100% RB	1912.5	QPSK	22.03	23.53
5MHz	1 RB low	1912.5	16QAM	22.31	23.81
5MHz	1 RB mid	1912.5	16QAM	22.34	23.84
5MHz	1 RB high	1912.5	16QAM	22.19	23.69
5MHz	100% RB	1912.5	16QAM	21.03	22.53
10MHz	1 RB low	1855	QPSK	22.55	24.05
10MHz	1 RB mid	1855	QPSK	22.49	23.99
10MHz	1 RB high	1855	QPSK	22.54	24.04
10MHz	100% RB	1855	QPSK	21.56	23.06
10MHz	1 RB low	1855	16QAM	21.75	23.25
10MHz	1 RB mid	1855	16QAM	21.72	23.22
10MHz	1 RB high	1855	16QAM	21.77	23.27
10MHz	100% RB	1855	16QAM	20.55	22.05
10MHz	1 RB low	1882.5	QPSK	22.45	23.95
10MHz	1 RB mid	1882.5	QPSK	22.47	23.97
10MHz	1 RB high	1882.5	QPSK	22.66	24.16
10MHz	100% RB	1882.5	QPSK	21.44	22.94
10MHz	1 RB low	1882.5	16QAM	21.37	22.87
10MHz	1 RB mid	1882.5	16QAM	21.34	22.84
10MHz	1 RB high	1882.5	16QAM	21.57	23.07
10MHz	100% RB	1882.5	16QAM	20.47	21.97
10MHz	1 RB low	1910	QPSK	23.15	24.65
10MHz	1 RB mid	1910	QPSK	23.07	24.57

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10MHz	1 RB high	1910	QPSK	22.95	24.45
10MHz	100% RB	1910	QPSK	22.12	23.62
10MHz	1 RB low	1910	16QAM	22.35	23.85
10MHz	1 RB mid	1910	16QAM	22.27	23.77
10MHz	1 RB high	1910	16QAM	22.15	23.65
10MHz	100% RB	1910	16QAM	21.17	22.67
15MHz	1 RB low	1857.5	QPSK	22.57	24.07
15MHz	1 RB mid	1857.5	QPSK	22.64	24.14
15MHz	1 RB high	1857.5	QPSK	22.55	24.05
15MHz	100% RB	1857.5	QPSK	21.61	23.11
15MHz	1 RB low	1857.5	16QAM	21.75	23.25
15MHz	1 RB mid	1857.5	16QAM	21.86	23.36
15MHz	1 RB high	1857.5	16QAM	21.79	23.29
15MHz	100% RB	1857.5	16QAM	20.66	22.16
15MHz	1 RB low	1882.5	QPSK	22.36	23.86
15MHz	1 RB mid	1882.5	QPSK	22.44	23.94
15MHz	1 RB high	1882.5	QPSK	22.67	24.17
15MHz	100% RB	1882.5	QPSK	21.45	22.95
15MHz	1 RB low	1882.5	16QAM	21.14	22.64
15MHz	1 RB mid	1882.5	16QAM	21.29	22.79
15MHz	1 RB high	1882.5	16QAM	21.51	23.01
15MHz	100% RB	1882.5	16QAM	20.40	21.90
15MHz	1 RB low	1907.5	QPSK	23.04	24.54
15MHz	1 RB mid	1907.5	QPSK	23.05	24.55
15MHz	1 RB high	1907.5	QPSK	22.85	24.35
15MHz	100% RB	1907.5	QPSK	22.14	23.64
15MHz	1 RB low	1907.5	16QAM	22.42	23.92
15MHz	1 RB mid	1907.5	16QAM	22.33	23.83
15MHz	1 RB high	1907.5	16QAM	22.19	23.69
15MHz	100% RB	1907.5	16QAM	21.14	22.64
20MHz	1 RB low	1860	QPSK	22.69	24.19
20MHz	1 RB mid	1860	QPSK	22.76	24.26
20MHz	1 RB high	1860	QPSK	22.53	24.03
20MHz	100% RB	1860	QPSK	21.54	23.04
20MHz	1 RB low	1860	16QAM	21.73	23.23
20MHz	1 RB mid	1860	16QAM	21.79	23.29
20MHz	1 RB high	1860	16QAM	21.58	23.08
20MHz	100% RB	1860	16QAM	20.52	22.02

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20MHz	1 RB low	1882.5	QPSK	22.25	23.75
20MHz	1 RB mid	1882.5	QPSK	22.31	23.81
20MHz	1 RB high	1882.5	QPSK	22.67	24.17
20MHz	100% RB	1882.5	QPSK	21.43	22.93
20MHz	1 RB low	1882.5	16QAM	21.37	22.87
20MHz	1 RB mid	1882.5	16QAM	21.44	22.94
20MHz	1 RB high	1882.5	16QAM	21.79	23.29
20MHz	100% RB	1882.5	16QAM	20.45	21.95
20MHz	1 RB low	1905	QPSK	23.02	24.52
20MHz	1 RB mid	1905	QPSK	23.07	24.57
20MHz	1 RB high	1905	QPSK	22.93	24.43
20MHz	100% RB	1905	QPSK	22.09	23.59
20MHz	1 RB low	1905	16QAM	22.20	23.70
20MHz	1 RB mid	1905	16QAM	22.30	23.80
20MHz	1 RB high	1905	16QAM	22.15	23.65
20MHz	100% RB	1905	16QAM	21.08	22.58

LTE band 26 Part 22
Limits 38.5dBm(7w)
Max ERP:24.52dBm

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Average Power (dBm)	Radiated Power(dBm) G _T = 0.5dBi
1.4MHz	1 RB low	824.7	QPSK	23.68	24.18
1.4MHz	1 RB mid	824.7	QPSK	23.70	24.20
1.4MHz	1 RB high	824.7	QPSK	23.61	24.11
1.4MHz	100% RB	824.7	QPSK	22.72	23.22
1.4MHz	1 RB low	824.7	16QAM	22.78	23.28
1.4MHz	1 RB mid	824.7	16QAM	22.88	23.38
1.4MHz	1 RB high	824.7	16QAM	22.74	23.24
1.4MHz	100% RB	824.7	16QAM	21.78	22.28
1.4MHz	1 RB low	836.5	QPSK	23.78	24.28
1.4MHz	1 RB mid	836.5	QPSK	23.85	24.35
1.4MHz	1 RB high	836.5	QPSK	23.77	24.27
1.4MHz	100% RB	836.5	QPSK	22.80	23.30
1.4MHz	1 RB low	836.5	16QAM	22.65	23.15
1.4MHz	1 RB mid	836.5	16QAM	22.68	23.18
1.4MHz	1 RB high	836.5	16QAM	22.67	23.17
1.4MHz	100% RB	836.5	16QAM	21.78	22.28
1.4MHz	1 RB low	848.3	QPSK	23.88	24.38
1.4MHz	1 RB mid	848.3	QPSK	23.89	24.39
1.4MHz	1 RB high	848.3	QPSK	23.85	24.35
1.4MHz	100% RB	848.3	QPSK	22.95	23.45
1.4MHz	1 RB low	848.3	16QAM	22.81	23.31
1.4MHz	1 RB mid	848.3	16QAM	22.85	23.35
1.4MHz	1 RB high	848.3	16QAM	22.98	23.48
1.4MHz	100% RB	848.3	16QAM	21.86	22.36
3MHz	1 RB low	825.5	QPSK	23.76	24.26
3MHz	1 RB mid	825.5	QPSK	23.70	24.20
3MHz	1 RB high	825.5	QPSK	23.67	24.17
3MHz	100% RB	825.5	QPSK	22.77	23.27
3MHz	1 RB low	825.5	16QAM	22.89	23.39
3MHz	1 RB mid	825.5	16QAM	22.89	23.39
3MHz	1 RB high	825.5	16QAM	22.83	23.33
3MHz	100% RB	825.5	16QAM	21.85	22.35

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3MHz	1 RB low	836.5	QPSK	23.80	24.30
3MHz	1 RB mid	836.5	QPSK	23.83	24.33
3MHz	1 RB high	836.5	QPSK	23.84	24.34
3MHz	100% RB	836.5	QPSK	22.76	23.26
3MHz	1 RB low	836.5	16QAM	22.63	23.13
3MHz	1 RB mid	836.5	16QAM	22.71	23.21
3MHz	1 RB high	836.5	16QAM	22.72	23.22
3MHz	100% RB	836.5	16QAM	21.66	22.16
3MHz	1 RB low	847.5	QPSK	23.95	24.45
3MHz	1 RB mid	847.5	QPSK	23.90	24.40
3MHz	1 RB high	847.5	QPSK	23.95	24.45
3MHz	100% RB	847.5	QPSK	22.94	23.44
3MHz	1 RB low	847.5	16QAM	22.99	23.49
3MHz	1 RB mid	847.5	16QAM	22.94	23.44
3MHz	1 RB high	847.5	16QAM	22.88	23.38
3MHz	100% RB	847.5	16QAM	21.83	22.33
5MHz	1 RB low	826.5	QPSK	23.87	24.37
5MHz	1 RB mid	826.5	QPSK	23.87	24.37
5MHz	1 RB high	826.5	QPSK	23.71	24.21
5MHz	100% RB	826.5	QPSK	22.82	23.32
5MHz	1 RB low	826.5	16QAM	22.81	23.31
5MHz	1 RB mid	826.5	16QAM	22.85	23.35
5MHz	1 RB high	826.5	16QAM	22.76	23.26
5MHz	100% RB	826.5	16QAM	21.83	22.33
5MHz	1 RB low	836.5	QPSK	23.84	24.34
5MHz	1 RB mid	836.5	QPSK	23.95	24.45
5MHz	1 RB high	836.5	QPSK	23.85	24.35
5MHz	100% RB	836.5	QPSK	22.74	23.24
5MHz	1 RB low	836.5	16QAM	22.79	23.29
5MHz	1 RB mid	836.5	16QAM	22.93	23.43
5MHz	1 RB high	836.5	16QAM	22.83	23.33
5MHz	100% RB	836.5	16QAM	21.78	22.28
5MHz	1 RB low	846.5	QPSK	23.99	24.49
5MHz	1 RB mid	846.5	QPSK	24.02	24.52
5MHz	1 RB high	846.5	QPSK	23.94	24.44
5MHz	100% RB	846.5	QPSK	22.95	23.45
5MHz	1 RB low	846.5	16QAM	23.20	23.70
5MHz	1 RB mid	846.5	16QAM	23.13	23.63

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5MHz	1 RB high	846.5	16QAM	22.99	23.49
5MHz	100% RB	846.5	16QAM	21.94	22.44
10MHz	1 RB low	829	QPSK	23.76	24.26
10MHz	1 RB mid	829	QPSK	23.69	24.19
10MHz	1 RB high	829	QPSK	23.64	24.14
10MHz	100% RB	829	QPSK	22.82	23.32
10MHz	1 RB low	829	16QAM	22.98	23.48
10MHz	1 RB mid	829	16QAM	22.90	23.40
10MHz	1 RB high	829	16QAM	22.80	23.30
10MHz	100% RB	829	16QAM	21.83	22.33
10MHz	1 RB low	836.5	QPSK	23.80	24.30
10MHz	1 RB mid	836.5	QPSK	23.84	24.34
10MHz	1 RB high	836.5	QPSK	23.76	24.26
10MHz	100% RB	836.5	QPSK	22.74	23.24
10MHz	1 RB low	836.5	16QAM	22.69	23.19
10MHz	1 RB mid	836.5	16QAM	22.72	23.22
10MHz	1 RB high	836.5	16QAM	22.71	23.21
10MHz	100% RB	836.5	16QAM	21.77	22.27
10MHz	1 RB low	844	QPSK	23.87	24.37
10MHz	1 RB mid	844	QPSK	23.88	24.38
10MHz	1 RB high	844	QPSK	23.86	24.36
10MHz	100% RB	844	QPSK	22.86	23.36
10MHz	1 RB low	844	16QAM	23.00	23.50
10MHz	1 RB mid	844	16QAM	23.04	23.54
10MHz	1 RB high	844	16QAM	22.82	23.32
10MHz	100% RB	844	16QAM	21.86	22.36
15MHz	1 RB low	831.5	QPSK	23.87	24.37
15MHz	1 RB mid	831.5	QPSK	23.67	24.17
15MHz	1 RB high	831.5	QPSK	23.69	24.19
15MHz	100% RB	831.5	QPSK	22.77	23.27
15MHz	1 RB low	831.5	16QAM	23.06	23.56
15MHz	1 RB mid	831.5	16QAM	22.89	23.39
15MHz	1 RB high	831.5	16QAM	22.87	23.37
15MHz	100% RB	831.5	16QAM	21.71	22.21
15MHz	1 RB low	836.5	QPSK	23.87	24.37
15MHz	1 RB mid	836.5	QPSK	23.83	24.33
15MHz	1 RB high	836.5	QPSK	23.85	24.35
15MHz	100% RB	836.5	QPSK	22.79	23.29

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15MHz	1 RB low	836.5	16QAM	22.77	23.27
15MHz	1 RB mid	836.5	16QAM	22.74	23.24
15MHz	1 RB high	836.5	16QAM	22.82	23.32
15MHz	100% RB	836.5	16QAM	21.85	22.35
15MHz	1 RB low	841.5	QPSK	23.87	24.37
15MHz	1 RB mid	841.5	QPSK	23.81	24.31
15MHz	1 RB high	841.5	QPSK	23.93	24.43
15MHz	100% RB	841.5	QPSK	23.03	23.53
15MHz	1 RB low	841.5	16QAM	23.11	23.61
15MHz	1 RB mid	841.5	16QAM	23.13	23.63
15MHz	1 RB high	841.5	16QAM	23.04	23.54
15MHz	100% RB	841.5	16QAM	21.99	22.49

LTE band 26 Part 90
Limits 38.5dBm(7w)
Max ERP:24.46dBm

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Average Power (dBm)	Radiated Power(dBm) G _T = 0.5dBi
1.4MHz	1 RB low	814.7	QPSK	23.79	24.29
1.4MHz	1 RB mid	814.7	QPSK	23.82	24.32
1.4MHz	1 RB high	814.7	QPSK	23.74	24.24
1.4MHz	100% RB	814.7	QPSK	22.76	23.26
1.4MHz	1 RB low	814.7	16QAM	22.65	23.15
1.4MHz	1 RB mid	814.7	16QAM	22.69	23.19
1.4MHz	1 RB high	814.7	16QAM	22.58	23.08
1.4MHz	100% RB	814.7	16QAM	21.76	22.26
1.4MHz	1 RB low	819	QPSK	23.69	24.19
1.4MHz	1 RB mid	819	QPSK	23.70	24.20
1.4MHz	1 RB high	819	QPSK	23.65	24.15
1.4MHz	100% RB	819	QPSK	22.75	23.25
1.4MHz	1 RB low	819	16QAM	22.72	23.22
1.4MHz	1 RB mid	819	16QAM	22.81	23.31
1.4MHz	1 RB high	819	16QAM	22.76	23.26
1.4MHz	100% RB	819	16QAM	21.61	22.11
1.4MHz	1 RB low	823.3	QPSK	23.64	24.14
1.4MHz	1 RB mid	823.3	QPSK	23.62	24.12
1.4MHz	1 RB high	823.3	QPSK	23.70	24.20
1.4MHz	100% RB	823.3	QPSK	22.72	23.22
1.4MHz	1 RB low	823.3	16QAM	22.70	23.20
1.4MHz	1 RB mid	823.3	16QAM	22.73	23.23
1.4MHz	1 RB high	823.3	16QAM	22.75	23.25
1.4MHz	100% RB	823.3	16QAM	21.79	22.29
3MHz	1 RB low	815.5	QPSK	23.91	24.41
3MHz	1 RB mid	815.5	QPSK	23.83	24.33
3MHz	1 RB high	815.5	QPSK	23.80	24.30
3MHz	100% RB	815.5	QPSK	22.86	23.36
3MHz	1 RB low	815.5	16QAM	22.75	23.25
3MHz	1 RB mid	815.5	16QAM	22.71	23.21
3MHz	1 RB high	815.5	16QAM	22.67	23.17
3MHz	100% RB	815.5	16QAM	21.78	22.28

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3MHz	1 RB low	819	QPSK	23.83	24.33
3MHz	1 RB mid	819	QPSK	23.70	24.20
3MHz	1 RB high	819	QPSK	23.73	24.23
3MHz	100% RB	819	QPSK	22.77	23.27
3MHz	1 RB low	819	16QAM	22.84	23.34
3MHz	1 RB mid	819	16QAM	22.85	23.35
3MHz	1 RB high	819	16QAM	22.78	23.28
3MHz	100% RB	819	16QAM	21.70	22.20
3MHz	1 RB low	822.5	QPSK	23.68	24.18
3MHz	1 RB mid	822.5	QPSK	23.63	24.13
3MHz	1 RB high	822.5	QPSK	23.69	24.19
3MHz	100% RB	822.5	QPSK	22.83	23.33
3MHz	1 RB low	822.5	16QAM	22.83	23.33
3MHz	1 RB mid	822.5	16QAM	22.80	23.30
3MHz	1 RB high	822.5	16QAM	22.86	23.36
3MHz	100% RB	822.5	16QAM	21.82	22.32
5MHz	1 RB low	816.5	QPSK	23.96	24.46
5MHz	1 RB mid	816.5	QPSK	23.93	24.43
5MHz	1 RB high	816.5	QPSK	23.83	24.33
5MHz	100% RB	816.5	QPSK	22.83	23.33
5MHz	1 RB low	816.5	16QAM	22.92	23.42
5MHz	1 RB mid	816.5	16QAM	22.91	23.41
5MHz	1 RB high	816.5	16QAM	22.80	23.30
5MHz	100% RB	816.5	16QAM	21.89	22.39
5MHz	1 RB low	819	QPSK	23.87	24.37
5MHz	1 RB mid	819	QPSK	23.85	24.35
5MHz	1 RB high	819	QPSK	23.73	24.23
5MHz	100% RB	819	QPSK	22.81	23.31
5MHz	1 RB low	819	16QAM	23.03	23.53
5MHz	1 RB mid	819	16QAM	23.04	23.54
5MHz	1 RB high	819	16QAM	22.89	23.39
5MHz	100% RB	819	16QAM	21.75	22.25
5MHz	1 RB low	821.5	QPSK	23.84	24.34
5MHz	1 RB mid	821.5	QPSK	23.80	24.30
5MHz	1 RB high	821.5	QPSK	23.64	24.14
5MHz	100% RB	821.5	QPSK	22.73	23.23
5MHz	1 RB low	821.5	16QAM	22.78	23.28
5MHz	1 RB mid	821.5	16QAM	22.81	23.31

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5MHz	1 RB high	821.5	16QAM	22.71	23.21
5MHz	100% RB	821.5	16QAM	21.77	22.27
10MHz	1 RB low	819	QPSK	23.90	24.40
10MHz	1 RB mid	819	QPSK	23.78	24.28
10MHz	1 RB high	819	QPSK	23.65	24.15
10MHz	100% RB	819	QPSK	22.83	23.33
10MHz	1 RB low	819	16QAM	22.83	23.33
10MHz	1 RB mid	819	16QAM	22.62	23.12
10MHz	1 RB high	819	16QAM	22.52	23.02
10MHz	100% RB	819	16QAM	21.79	22.29
10MHz	1 RB low	819	QPSK	23.91	24.41
10MHz	1 RB mid	819	QPSK	23.77	24.27
10MHz	1 RB high	819	QPSK	23.64	24.14
10MHz	100% RB	819	QPSK	22.83	23.33
10MHz	1 RB low	819	16QAM	22.81	23.31
10MHz	1 RB mid	819	16QAM	22.67	23.17
10MHz	1 RB high	819	16QAM	22.51	23.01
10MHz	100% RB	819	16QAM	21.85	22.35
10MHz	1 RB low	819	QPSK	23.94	24.44
10MHz	1 RB mid	819	QPSK	23.78	24.28
10MHz	1 RB high	819	QPSK	23.63	24.13
10MHz	100% RB	819	QPSK	22.83	23.33
10MHz	1 RB low	819	16QAM	22.80	23.30
10MHz	1 RB mid	819	16QAM	22.62	23.12
10MHz	1 RB high	819	16QAM	22.54	23.04
10MHz	100% RB	819	16QAM	21.86	22.36

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LTE band 66
Limits 30dBm(1w)
Max EIRP:26.33dBm

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Average Power (dBm)	Radiated Power(dBm) G _T = 1.5dBi
1.4MHz	1 RB low	1710.7	QPSK	24.80	26.30
1.4MHz	1 RB mid	1710.7	QPSK	24.80	26.30
1.4MHz	1 RB high	1710.7	QPSK	24.70	26.20
1.4MHz	100% RB	1710.7	QPSK	23.74	25.24
1.4MHz	1 RB low	1710.7	16QAM	23.86	25.36
1.4MHz	1 RB mid	1710.7	16QAM	23.95	25.45
1.4MHz	1 RB high	1710.7	16QAM	23.83	25.33
1.4MHz	100% RB	1710.7	16QAM	22.80	24.30
1.4MHz	1 RB low	1745	QPSK	24.18	25.68
1.4MHz	1 RB mid	1745	QPSK	24.31	25.81
1.4MHz	1 RB high	1745	QPSK	24.22	25.72
1.4MHz	100% RB	1745	QPSK	23.19	24.69
1.4MHz	1 RB low	1745	16QAM	23.07	24.57
1.4MHz	1 RB mid	1745	16QAM	23.19	24.69
1.4MHz	1 RB high	1745	16QAM	23.06	24.56
1.4MHz	100% RB	1745	16QAM	22.24	23.74
1.4MHz	1 RB low	1779.3	QPSK	24.40	25.90
1.4MHz	1 RB mid	1779.3	QPSK	24.46	25.96
1.4MHz	1 RB high	1779.3	QPSK	24.42	25.92
1.4MHz	100% RB	1779.3	QPSK	23.42	24.92
1.4MHz	1 RB low	1779.3	16QAM	23.48	24.98
1.4MHz	1 RB mid	1779.3	16QAM	23.62	25.12
1.4MHz	1 RB high	1779.3	16QAM	23.54	25.04
1.4MHz	100% RB	1779.3	16QAM	22.34	23.84
3MHz	1 RB low	1711.5	QPSK	24.59	26.09
3MHz	1 RB mid	1711.5	QPSK	24.71	26.21
3MHz	1 RB high	1711.5	QPSK	24.58	26.08
3MHz	100% RB	1711.5	QPSK	23.78	25.28
3MHz	1 RB low	1711.5	16QAM	23.79	25.29
3MHz	1 RB mid	1711.5	16QAM	23.89	25.39
3MHz	1 RB high	1711.5	16QAM	23.76	25.26
3MHz	100% RB	1711.5	16QAM	22.81	24.31

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3MHz	1 RB low	1745	QPSK	24.20	25.70
3MHz	1 RB mid	1745	QPSK	24.29	25.79
3MHz	1 RB high	1745	QPSK	24.14	25.64
3MHz	100% RB	1745	QPSK	23.26	24.76
3MHz	1 RB low	1745	16QAM	23.03	24.53
3MHz	1 RB mid	1745	16QAM	23.17	24.67
3MHz	1 RB high	1745	16QAM	23.01	24.51
3MHz	100% RB	1745	16QAM	22.20	23.70
3MHz	1 RB low	1778.5	QPSK	24.35	25.85
3MHz	1 RB mid	1778.5	QPSK	24.47	25.97
3MHz	1 RB high	1778.5	QPSK	24.39	25.89
3MHz	100% RB	1778.5	QPSK	23.48	24.98
3MHz	1 RB low	1778.5	16QAM	23.46	24.96
3MHz	1 RB mid	1778.5	16QAM	23.62	25.12
3MHz	1 RB high	1778.5	16QAM	23.47	24.97
3MHz	100% RB	1778.5	16QAM	22.44	23.94
5MHz	1 RB low	1712.5	QPSK	24.69	26.19
5MHz	1 RB mid	1712.5	QPSK	24.83	26.33
5MHz	1 RB high	1712.5	QPSK	24.58	26.08
5MHz	100% RB	1712.5	QPSK	23.68	25.18
5MHz	1 RB low	1712.5	16QAM	23.69	25.19
5MHz	1 RB mid	1712.5	16QAM	23.87	25.37
5MHz	1 RB high	1712.5	16QAM	23.60	25.10
5MHz	100% RB	1712.5	16QAM	22.72	24.22
5MHz	1 RB low	1745	QPSK	24.18	25.68
5MHz	1 RB mid	1745	QPSK	24.41	25.91
5MHz	1 RB high	1745	QPSK	24.19	25.69
5MHz	100% RB	1745	QPSK	23.18	24.68
5MHz	1 RB low	1745	16QAM	23.14	24.64
5MHz	1 RB mid	1745	16QAM	23.39	24.89
5MHz	1 RB high	1745	16QAM	23.19	24.69
5MHz	100% RB	1745	16QAM	22.25	23.75
5MHz	1 RB low	1777.5	QPSK	24.34	25.84
5MHz	1 RB mid	1777.5	QPSK	24.58	26.08
5MHz	1 RB high	1777.5	QPSK	24.37	25.87
5MHz	100% RB	1777.5	QPSK	23.44	24.94
5MHz	1 RB low	1777.5	16QAM	23.54	25.04
5MHz	1 RB mid	1777.5	16QAM	23.78	25.28

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5MHz	1 RB high	1777.5	16QAM	23.57	25.07
5MHz	100% RB	1777.5	16QAM	22.43	23.93
10MHz	1 RB low	1715	QPSK	24.69	26.19
10MHz	1 RB mid	1715	QPSK	24.65	26.15
10MHz	1 RB high	1715	QPSK	24.56	26.06
10MHz	100% RB	1715	QPSK	23.66	25.16
10MHz	1 RB low	1715	16QAM	23.91	25.41
10MHz	1 RB mid	1715	16QAM	23.85	25.35
10MHz	1 RB high	1715	16QAM	23.76	25.26
10MHz	100% RB	1715	16QAM	22.64	24.14
10MHz	1 RB low	1745	QPSK	24.27	25.77
10MHz	1 RB mid	1745	QPSK	24.37	25.87
10MHz	1 RB high	1745	QPSK	24.29	25.79
10MHz	100% RB	1745	QPSK	23.28	24.78
10MHz	1 RB low	1745	16QAM	23.16	24.66
10MHz	1 RB mid	1745	16QAM	23.20	24.70
10MHz	1 RB high	1745	16QAM	23.15	24.65
10MHz	100% RB	1745	16QAM	22.31	23.81
10MHz	1 RB low	1775	QPSK	24.42	25.92
10MHz	1 RB mid	1775	QPSK	24.49	25.99
10MHz	1 RB high	1775	QPSK	24.44	25.94
10MHz	100% RB	1775	QPSK	23.44	24.94
10MHz	1 RB low	1775	16QAM	23.61	25.11
10MHz	1 RB mid	1775	16QAM	23.67	25.17
10MHz	1 RB high	1775	16QAM	23.62	25.12
10MHz	100% RB	1775	16QAM	22.49	23.99
15MHz	1 RB low	1717.5	QPSK	24.69	26.19
15MHz	1 RB mid	1717.5	QPSK	24.70	26.20
15MHz	1 RB high	1717.5	QPSK	24.52	26.02
15MHz	100% RB	1717.5	QPSK	23.58	25.08
15MHz	1 RB low	1717.5	16QAM	23.89	25.39
15MHz	1 RB mid	1717.5	16QAM	23.92	25.42
15MHz	1 RB high	1717.5	16QAM	23.78	25.28
15MHz	100% RB	1717.5	16QAM	22.61	24.11
15MHz	1 RB low	1745	QPSK	24.32	25.82
15MHz	1 RB mid	1745	QPSK	24.42	25.92
15MHz	1 RB high	1745	QPSK	24.33	25.83
15MHz	100% RB	1745	QPSK	23.24	24.74

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15MHz	1 RB low	1745	16QAM	23.20	24.70
15MHz	1 RB mid	1745	16QAM	23.31	24.81
15MHz	1 RB high	1745	16QAM	23.21	24.71
15MHz	100% RB	1745	16QAM	22.25	23.75
15MHz	1 RB low	1772.5	QPSK	24.42	25.92
15MHz	1 RB mid	1772.5	QPSK	24.52	26.02
15MHz	1 RB high	1772.5	QPSK	24.44	25.94
15MHz	100% RB	1772.5	QPSK	23.45	24.95
15MHz	1 RB low	1772.5	16QAM	23.73	25.23
15MHz	1 RB mid	1772.5	16QAM	23.82	25.32
15MHz	1 RB high	1772.5	16QAM	23.77	25.27
15MHz	100% RB	1772.5	16QAM	22.41	23.91
20MHz	1 RB low	1720	QPSK	24.78	26.28
20MHz	1 RB mid	1720	QPSK	24.81	26.31
20MHz	1 RB high	1720	QPSK	24.61	26.11
20MHz	100% RB	1720	QPSK	23.61	25.11
20MHz	1 RB low	1720	16QAM	23.82	25.32
20MHz	1 RB mid	1720	16QAM	23.82	25.32
20MHz	1 RB high	1720	16QAM	23.62	25.12
20MHz	100% RB	1720	16QAM	22.57	24.07
20MHz	1 RB low	1745	QPSK	24.20	25.70
20MHz	1 RB mid	1745	QPSK	24.26	25.76
20MHz	1 RB high	1745	QPSK	24.17	25.67
20MHz	100% RB	1745	QPSK	23.27	24.77
20MHz	1 RB low	1745	16QAM	23.31	24.81
20MHz	1 RB mid	1745	16QAM	23.37	24.87
20MHz	1 RB high	1745	16QAM	23.29	24.79
20MHz	100% RB	1745	16QAM	22.29	23.79
20MHz	1 RB low	1770	QPSK	24.45	25.95
20MHz	1 RB mid	1770	QPSK	24.58	26.08
20MHz	1 RB high	1770	QPSK	24.50	26.00
20MHz	100% RB	1770	QPSK	23.40	24.90
20MHz	1 RB low	1770	16QAM	23.63	25.13
20MHz	1 RB mid	1770	16QAM	23.73	25.23
20MHz	1 RB high	1770	16QAM	23.73	25.23
20MHz	100% RB	1770	16QAM	22.44	23.94

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LTE band 71
Limits 34.7dBm(3w)
Max ERP:24.81dBm

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Average Power (dBm)	Radiated Power(dBm) G _T = 0dBi
5MHz	1 RB low	665.5	QPSK	22.25	27.27
5MHz	1 RB mid	665.5	QPSK	24.33	28.39
5MHz	1 RB high	665.5	QPSK	24.04	28.63
5MHz	100% RB	665.5	QPSK	23.71	29.31
5MHz	1 RB low	665.5	16QAM	21.20	26.92
5MHz	1 RB mid	665.5	16QAM	23.42	28.25
5MHz	1 RB high	665.5	16QAM	23.14	28.44
5MHz	100% RB	665.5	16QAM	22.77	28.78
5MHz	1 RB low	680.5	QPSK	24.74	28.67
5MHz	1 RB mid	680.5	QPSK	24.81	28.66
5MHz	1 RB high	680.5	QPSK	24.77	28.79
5MHz	100% RB	680.5	QPSK	23.74	29.40
5MHz	1 RB low	680.5	16QAM	23.94	28.60
5MHz	1 RB mid	680.5	16QAM	23.99	28.59
5MHz	1 RB high	680.5	16QAM	23.93	28.70
5MHz	100% RB	680.5	16QAM	22.76	29.02
5MHz	1 RB low	695.5	QPSK	24.69	28.84
5MHz	1 RB mid	695.5	QPSK	24.71	28.63
5MHz	1 RB high	695.5	QPSK	24.60	28.37
5MHz	100% RB	695.5	QPSK	23.64	29.30
5MHz	1 RB low	695.5	16QAM	23.63	28.74
5MHz	1 RB mid	695.5	16QAM	23.70	28.58
5MHz	1 RB high	695.5	16QAM	23.58	28.31
5MHz	100% RB	695.5	16QAM	22.66	29.06
10MHz	1 RB low	668	QPSK	22.22	27.29
10MHz	1 RB mid	668	QPSK	23.68	28.48
10MHz	1 RB high	668	QPSK	23.02	28.24
10MHz	100% RB	668	QPSK	23.54	29.40
10MHz	1 RB low	668	16QAM	21.30	26.90
10MHz	1 RB mid	668	16QAM	22.86	28.18
10MHz	1 RB high	668	16QAM	22.17	27.84
10MHz	100% RB	668	16QAM	22.52	29.37

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10MHz	1 RB low	680.5	QPSK	24.57	29.03
10MHz	1 RB mid	680.5	QPSK	24.65	28.79
10MHz	1 RB high	680.5	QPSK	24.62	29.18
10MHz	100% RB	680.5	QPSK	23.68	29.02
10MHz	1 RB low	680.5	16QAM	23.42	28.94
10MHz	1 RB mid	680.5	16QAM	23.54	28.71
10MHz	1 RB high	680.5	16QAM	23.56	29.13
10MHz	100% RB	680.5	16QAM	22.68	28.97
10MHz	1 RB low	693	QPSK	24.40	29.20
10MHz	1 RB mid	693	QPSK	24.51	29.02
10MHz	1 RB high	693	QPSK	24.49	28.63
10MHz	100% RB	693	QPSK	23.60	29.83
10MHz	1 RB low	693	16QAM	23.60	28.98
10MHz	1 RB mid	693	16QAM	23.64	28.80
10MHz	1 RB high	693	16QAM	23.68	28.47
10MHz	100% RB	693	16QAM	22.68	29.23
15MHz	1 RB low	670.5	QPSK	22.36	27.38
15MHz	1 RB mid	670.5	QPSK	22.91	28.13
15MHz	1 RB high	670.5	QPSK	24.61	29.02
15MHz	100% RB	670.5	QPSK	23.65	29.80
15MHz	1 RB low	670.5	16QAM	21.41	27.01
15MHz	1 RB mid	670.5	16QAM	22.05	27.72
15MHz	1 RB high	670.5	16QAM	23.83	28.76
15MHz	100% RB	670.5	16QAM	22.62	29.56
15MHz	1 RB low	680.5	QPSK	23.27	28.41
15MHz	1 RB mid	680.5	QPSK	24.62	28.81
15MHz	1 RB high	680.5	QPSK	24.09	28.82
15MHz	100% RB	680.5	QPSK	23.70	29.40
15MHz	1 RB low	680.5	16QAM	22.15	28.33
15MHz	1 RB mid	680.5	16QAM	23.60	28.74
15MHz	1 RB high	680.5	16QAM	23.03	28.75
15MHz	100% RB	680.5	16QAM	22.68	29.22
15MHz	1 RB low	690.5	QPSK	24.50	29.01
15MHz	1 RB mid	690.5	QPSK	24.56	29.22
15MHz	1 RB high	690.5	QPSK	24.60	28.65
15MHz	100% RB	690.5	QPSK	23.63	29.71
15MHz	1 RB low	690.5	16QAM	23.79	28.83
15MHz	1 RB mid	690.5	16QAM	23.88	29.05

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15MHz	1 RB high	690.5	16QAM	23.88	28.49
15MHz	100% RB	690.5	16QAM	22.62	29.34
20MHz	1 RB low	673	QPSK	22.70	27.59
20MHz	1 RB mid	673	QPSK	23.30	28.45
20MHz	1 RB high	673	QPSK	24.78	28.98
20MHz	100% RB	673	QPSK	23.71	29.52
20MHz	1 RB low	673	16QAM	21.60	27.22
20MHz	1 RB mid	673	16QAM	22.26	28.05
20MHz	1 RB high	673	16QAM	23.85	28.83
20MHz	100% RB	673	16QAM	22.75	29.63
20MHz	1 RB low	683	QPSK	23.13	28.43
20MHz	1 RB mid	683	QPSK	24.64	29.06
20MHz	1 RB high	683	QPSK	24.16	28.92
20MHz	100% RB	683	QPSK	23.71	29.40
20MHz	1 RB low	683	16QAM	22.09	28.16
20MHz	1 RB mid	683	16QAM	23.59	28.76
20MHz	1 RB high	683	16QAM	23.13	28.69
20MHz	100% RB	683	16QAM	22.72	29.37
20MHz	1 RB low	688	QPSK	24.63	28.71
20MHz	1 RB mid	688	QPSK	24.30	28.97
20MHz	1 RB high	688	QPSK	24.53	28.60
20MHz	100% RB	688	QPSK	23.63	29.54
20MHz	1 RB low	688	16QAM	23.79	28.73
20MHz	1 RB mid	688	16QAM	23.51	29.04
20MHz	1 RB high	688	16QAM	23.80	28.67
20MHz	100% RB	688	16QAM	22.68	29.60

LTE band 41
Limits 33dBm(2w)
Max EIRP:24.19dBm

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Average Power (dBm)	Radiated Power(dBm) G _T = 1.0dBi
5MHz	1 RB low	2498.5	QPSK	22.77	23.77
5MHz	1 RB mid	2498.5	QPSK	22.85	23.85
5MHz	1 RB high	2498.5	QPSK	22.82	23.82
5MHz	100% RB	2498.5	QPSK	21.79	22.79
5MHz	1 RB low	2498.5	16QAM	21.83	22.83
5MHz	1 RB mid	2498.5	16QAM	21.88	22.88
5MHz	1 RB high	2498.5	16QAM	21.82	22.82
5MHz	100% RB	2498.5	16QAM	20.89	21.89
5MHz	1 RB low	2593	QPSK	22.27	23.27
5MHz	1 RB mid	2593	QPSK	22.32	23.32
5MHz	1 RB high	2593	QPSK	22.33	23.33
5MHz	100% RB	2593	QPSK	21.42	22.42
5MHz	1 RB low	2593	16QAM	21.36	22.36
5MHz	1 RB mid	2593	16QAM	21.44	22.44
5MHz	1 RB high	2593	16QAM	21.43	22.43
5MHz	100% RB	2593	16QAM	20.33	21.33
5MHz	1 RB low	2687.5	QPSK	22.73	23.73
5MHz	1 RB mid	2687.5	QPSK	22.91	23.91
5MHz	1 RB high	2687.5	QPSK	22.91	23.91
5MHz	100% RB	2687.5	QPSK	21.90	22.90
5MHz	1 RB low	2687.5	16QAM	21.98	22.98
5MHz	1 RB mid	2687.5	16QAM	22.16	23.16
5MHz	1 RB high	2687.5	16QAM	22.14	23.14
5MHz	100% RB	2687.5	16QAM	20.74	21.74
10MHz	1 RB low	2501	QPSK	22.85	23.85
10MHz	1 RB mid	2501	QPSK	22.84	23.84
10MHz	1 RB high	2501	QPSK	22.95	23.95
10MHz	100% RB	2501	QPSK	21.89	22.89
10MHz	1 RB low	2501	16QAM	22.12	23.12
10MHz	1 RB mid	2501	16QAM	22.09	23.09
10MHz	1 RB high	2501	16QAM	22.20	23.20
10MHz	100% RB	2501	16QAM	20.96	21.96

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10MHz	1 RB low	2593	QPSK	22.27	23.27
10MHz	1 RB mid	2593	QPSK	22.37	23.37
10MHz	1 RB high	2593	QPSK	22.49	23.49
10MHz	100% RB	2593	QPSK	21.39	22.39
10MHz	1 RB low	2593	16QAM	21.18	22.18
10MHz	1 RB mid	2593	16QAM	21.35	22.35
10MHz	1 RB high	2593	16QAM	21.46	22.46
10MHz	100% RB	2593	16QAM	20.43	21.43
10MHz	1 RB low	2685	QPSK	22.48	23.48
10MHz	1 RB mid	2685	QPSK	22.71	23.71
10MHz	1 RB high	2685	QPSK	22.87	23.87
10MHz	100% RB	2685	QPSK	21.78	22.78
10MHz	1 RB low	2685	16QAM	21.66	22.66
10MHz	1 RB mid	2685	16QAM	21.80	22.80
10MHz	1 RB high	2685	16QAM	22.08	23.08
10MHz	100% RB	2685	16QAM	20.76	21.76
15MHz	1 RB low	2503.5	QPSK	22.89	23.89
15MHz	1 RB mid	2503.5	QPSK	22.91	23.91
15MHz	1 RB high	2503.5	QPSK	23.00	24.00
15MHz	100% RB	2503.5	QPSK	22.08	23.08
15MHz	1 RB low	2503.5	16QAM	22.13	23.13
15MHz	1 RB mid	2503.5	16QAM	22.09	23.09
15MHz	1 RB high	2503.5	16QAM	22.30	23.30
15MHz	100% RB	2503.5	16QAM	20.92	21.92
15MHz	1 RB low	2593	QPSK	22.31	23.31
15MHz	1 RB mid	2593	QPSK	22.33	23.33
15MHz	1 RB high	2593	QPSK	22.48	23.48
15MHz	100% RB	2593	QPSK	21.31	22.31
15MHz	1 RB low	2593	16QAM	21.32	22.32
15MHz	1 RB mid	2593	16QAM	21.32	22.32
15MHz	1 RB high	2593	16QAM	21.50	22.50
15MHz	100% RB	2593	16QAM	20.47	21.47
15MHz	1 RB low	2682.5	QPSK	22.32	23.32
15MHz	1 RB mid	2682.5	QPSK	22.55	23.55
15MHz	1 RB high	2682.5	QPSK	22.93	23.93
15MHz	100% RB	2682.5	QPSK	21.72	22.72
15MHz	1 RB low	2682.5	16QAM	21.62	22.62
15MHz	1 RB mid	2682.5	16QAM	21.80	22.80

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15MHz	1 RB high	2682.5	16QAM	22.11	23.11
15MHz	100% RB	2682.5	16QAM	20.58	21.58
20MHz	1 RB low	2506	QPSK	22.94	23.94
20MHz	1 RB mid	2506	QPSK	23.00	24.00
20MHz	1 RB high	2506	QPSK	23.19	24.19
20MHz	100% RB	2506	QPSK	22.05	23.05
20MHz	1 RB low	2506	16QAM	22.01	23.01
20MHz	1 RB mid	2506	16QAM	22.09	23.09
20MHz	1 RB high	2506	16QAM	22.16	23.16
20MHz	100% RB	2506	16QAM	21.08	22.08
20MHz	1 RB low	2593	QPSK	22.22	23.22
20MHz	1 RB mid	2593	QPSK	22.32	23.32
20MHz	1 RB high	2593	QPSK	22.48	23.48
20MHz	100% RB	2593	QPSK	21.42	22.42
20MHz	1 RB low	2593	16QAM	21.32	22.32
20MHz	1 RB mid	2593	16QAM	21.41	22.41
20MHz	1 RB high	2593	16QAM	21.50	22.50
20MHz	100% RB	2593	16QAM	20.49	21.49
20MHz	1 RB low	2680	QPSK	22.34	23.34
20MHz	1 RB mid	2680	QPSK	22.53	23.53
20MHz	1 RB high	2680	QPSK	23.01	24.01
20MHz	100% RB	2680	QPSK	21.56	22.56
20MHz	1 RB low	2680	16QAM	21.63	22.63
20MHz	1 RB mid	2680	16QAM	21.82	22.82
20MHz	1 RB high	2680	16QAM	22.30	23.30
20MHz	100% RB	2680	16QAM	20.59	21.59

LTE CA_band 7C
Limits 33dBm(2w)
Max EIRP:26.70dBm

Bandwidth	Frequency(MHz)	Frequency(MHz)	Modulation	PCC RB		SCC RB		Radiated Power(dBm) G _T = 1.0 dBi
				Size	Offset	Size	Offset	
10MHz/20MHz	2525.6	2540	QPSK	1	49	1	0	23.26
10MHz/20MHz	2525.6	2540	QPSK	50	0	100	0	21.34
10MHz/20MHz	2525.6	2540	Q16	1	49	1	0	21.46
10MHz/20MHz	2525.6	2540	Q16	50	0	100	0	20.35
10MHz/20MHz	2525.6	2540	Q64	1	49	1	0	20.06
10MHz/20MHz	2525.6	2540	Q64	50	0	100	0	20.38
10MHz/20MHz	2525.6	2540	Q256	1	49	1	0	26.70
10MHz/20MHz	2525.6	2540	Q256	50	0	100	0	26.00
10MHz/20MHz	2505.5	2519.9	QPSK	50	0	100	0	22.49
10MHz/20MHz	2505.5	2519.9	QPSK	25	25	50	50	20.94
10MHz/20MHz	2505.5	2519.9	QPSK	1	49	1	0	20.42
10MHz/20MHz	2505.5	2519.9	QPSK	1	0	1	99	20.41
10MHz/20MHz	2505.5	2519.9	Q16	50	0	100	0	20.97
10MHz/20MHz	2505.5	2519.9	Q16	25	25	50	50	20.94
10MHz/20MHz	2505.5	2519.9	Q16	1	49	1	0	20.44
10MHz/20MHz	2505.5	2519.9	Q16	1	0	1	99	20.52
10MHz/20MHz	2505.5	2519.9	Q64	50	0	100	0	21.06
10MHz/20MHz	2505.5	2519.9	Q64	25	25	50	50	21.11
10MHz/20MHz	2505.5	2519.9	Q64	1	49	1	0	20.46
10MHz/20MHz	2505.5	2519.9	Q64	1	0	1	99	20.37
10MHz/20MHz	2525.6	2540	QPSK	25	25	50	50	20.74
10MHz/20MHz	2525.6	2540	QPSK	1	0	1	99	20.37
10MHz/20MHz	2525.6	2540	Q16	25	25	50	50	20.71
10MHz/20MHz	2525.6	2540	Q16	1	0	1	99	20.38
10MHz/20MHz	2525.6	2540	Q64	25	25	50	50	20.77
10MHz/20MHz	2525.6	2540	Q64	1	0	1	99	20.29
10MHz/20MHz	2545.6	2560	QPSK	50	0	100	0	22.56
10MHz/20MHz	2545.6	2560	QPSK	25	25	50	50	21.04
10MHz/20MHz	2545.6	2560	QPSK	1	49	1	0	20.57
10MHz/20MHz	2545.6	2560	QPSK	1	0	1	99	20.41
10MHz/20MHz	2545.6	2560	Q16	50	0	100	0	20.98

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10MHz/20MHz	2545.6	2560	Q16	25	25	50	50	20.98
10MHz/20MHz	2545.6	2560	Q16	1	49	1	0	20.52
10MHz/20MHz	2545.6	2560	Q16	1	0	1	99	20.42
10MHz/20MHz	2545.6	2560	Q64	50	0	100	0	21.05
10MHz/20MHz	2545.6	2560	Q64	25	25	50	50	21.13
10MHz/20MHz	2545.6	2560	Q64	1	49	1	0	20.48
10MHz/20MHz	2545.6	2560	Q64	1	0	1	99	20.32
15MHz/10MHz	2530.1	2542.1	QPSK	1	74	1	0	19.57
15MHz/10MHz	2530.1	2542.1	QPSK	75	0	50	0	20.48
15MHz/10MHz	2530.1	2542.1	Q16	1	74	1	0	19.74
15MHz/10MHz	2530.1	2542.1	Q16	75	0	50	0	20.50
15MHz/10MHz	2530.1	2542.1	Q64	1	74	1	0	19.50
15MHz/10MHz	2530.1	2542.1	Q64	75	0	50	0	21.02
15MHz/15MHz	2527.5	2542.5	QPSK	1	74	1	0	19.72
15MHz/15MHz	2527.5	2542.5	QPSK	75	0	75	0	20.81
15MHz/15MHz	2527.5	2542.5	Q16	1	74	1	0	19.73
15MHz/15MHz	2527.5	2542.5	Q16	75	0	75	0	20.75
15MHz/15MHz	2527.5	2542.5	Q64	1	74	1	0	19.62
15MHz/15MHz	2527.5	2542.5	Q64	75	0	75	0	20.79
15MHz/20MHz	2525.3	2542.4	QPSK	1	74	1	0	20.27
15MHz/20MHz	2525.3	2542.4	QPSK	75	0	100	0	20.87
15MHz/20MHz	2525.3	2542.4	Q16	1	74	1	0	20.28
15MHz/20MHz	2525.3	2542.4	Q16	75	0	100	0	21.44
15MHz/20MHz	2525.3	2542.4	Q64	1	74	1	0	20.33
15MHz/20MHz	2525.3	2542.4	Q64	75	0	100	0	20.86
15MHz/10MHz	2507.5	2519.5	QPSK	75	0	50	0	21.60
15MHz/10MHz	2507.5	2519.5	QPSK	38	37	25	25	21.21
15MHz/10MHz	2507.5	2519.5	QPSK	1	74	1	0	19.10
15MHz/10MHz	2507.5	2519.5	QPSK	1	0	1	49	19.53
15MHz/10MHz	2507.5	2519.5	Q16	75	0	50	0	20.56
15MHz/10MHz	2507.5	2519.5	Q16	38	37	25	25	20.16
15MHz/10MHz	2507.5	2519.5	Q16	1	74	1	0	20.09
15MHz/10MHz	2507.5	2519.5	Q16	1	0	1	49	19.73
15MHz/10MHz	2507.5	2519.5	Q64	75	0	50	0	21.63
15MHz/10MHz	2507.5	2519.5	Q64	38	37	25	25	21.07
15MHz/10MHz	2507.5	2519.5	Q64	1	74	1	0	18.96
15MHz/10MHz	2507.5	2519.5	Q64	1	0	1	49	18.28
15MHz/10MHz	2530.1	2542.1	QPSK	38	37	25	25	20.00
15MHz/10MHz	2530.1	2542.1	QPSK	1	0	1	49	18.60

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15MHz/10MHz	2530.1	2542.1	Q16	38	37	25	25	21.08
15MHz/10MHz	2530.1	2542.1	Q16	1	0	1	49	19.34
15MHz/10MHz	2530.1	2542.1	Q64	38	37	25	25	20.70
15MHz/10MHz	2530.1	2542.1	Q64	1	0	1	49	19.31
15MHz/10MHz	2552.7	2564.7	QPSK	75	0	50	0	20.44
15MHz/10MHz	2552.7	2564.7	QPSK	38	37	25	25	20.94
15MHz/10MHz	2552.7	2564.7	QPSK	1	74	1	0	18.83
15MHz/10MHz	2552.7	2564.7	QPSK	1	0	1	49	19.07
15MHz/10MHz	2552.7	2564.7	Q16	75	0	50	0	21.61
15MHz/10MHz	2552.7	2564.7	Q16	38	37	25	25	19.87
15MHz/10MHz	2552.7	2564.7	Q16	1	74	1	0	20.26
15MHz/10MHz	2552.7	2564.7	Q16	1	0	1	49	18.59
15MHz/10MHz	2552.7	2564.7	Q64	75	0	50	0	20.56
15MHz/10MHz	2552.7	2564.7	Q64	38	37	25	25	20.86
15MHz/10MHz	2552.7	2564.7	Q64	1	74	1	0	19.93
15MHz/10MHz	2552.7	2564.7	Q64	1	0	1	49	19.83
15MHz/15MHz	2507.5	2522.5	QPSK	75	0	75	0	22.47
15MHz/15MHz	2507.5	2522.5	QPSK	38	37	38	37	20.92
15MHz/15MHz	2507.5	2522.5	QPSK	1	74	1	0	19.90
15MHz/15MHz	2507.5	2522.5	QPSK	1	0	1	74	19.90
15MHz/15MHz	2507.5	2522.5	Q16	75	0	75	0	20.90
15MHz/15MHz	2507.5	2522.5	Q16	38	37	38	37	20.92
15MHz/15MHz	2507.5	2522.5	Q16	1	74	1	0	19.94
15MHz/15MHz	2507.5	2522.5	Q16	1	0	1	74	19.93
15MHz/15MHz	2507.5	2522.5	Q64	75	0	75	0	20.96
15MHz/15MHz	2507.5	2522.5	Q64	38	37	38	37	21.01
15MHz/15MHz	2507.5	2522.5	Q64	1	74	1	0	19.83
15MHz/15MHz	2507.5	2522.5	Q64	1	0	1	74	19.83
15MHz/15MHz	2527.5	2542.5	QPSK	38	37	38	37	20.72
15MHz/15MHz	2527.5	2542.5	QPSK	1	0	1	74	19.96
15MHz/15MHz	2527.5	2542.5	Q16	38	37	38	37	20.75
15MHz/15MHz	2527.5	2542.5	Q16	1	0	1	74	19.97
15MHz/15MHz	2527.5	2542.5	Q64	38	37	38	37	20.80
15MHz/15MHz	2527.5	2542.5	Q64	1	0	1	74	19.82
15MHz/15MHz	2547.5	2562.5	QPSK	75	0	75	0	21.13
15MHz/15MHz	2547.5	2562.5	QPSK	38	37	38	37	21.13
15MHz/15MHz	2547.5	2562.5	QPSK	1	74	1	0	20.18
15MHz/15MHz	2547.5	2562.5	QPSK	1	0	1	74	20.01
15MHz/15MHz	2547.5	2562.5	Q16	75	0	75	0	21.02

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15MHz/15MHz	2547.5	2562.5	Q16	38	37	38	37	21.05
15MHz/15MHz	2547.5	2562.5	Q16	1	74	1	0	20.00
15MHz/15MHz	2547.5	2562.5	Q16	1	0	1	74	20.01
15MHz/15MHz	2547.5	2562.5	Q64	75	0	75	0	21.04
15MHz/15MHz	2547.5	2562.5	Q64	38	37	38	37	21.07
15MHz/15MHz	2547.5	2562.5	Q64	1	74	1	0	19.89
15MHz/15MHz	2547.5	2562.5	Q64	1	0	1	74	19.95
15MHz/20MHz	2507.8	2524.9	QPSK	75	0	100	0	20.99
15MHz/20MHz	2507.8	2524.9	QPSK	38	37	50	50	20.93
15MHz/20MHz	2507.8	2524.9	QPSK	1	74	1	0	20.41
15MHz/20MHz	2507.8	2524.9	QPSK	1	0	1	99	20.38
15MHz/20MHz	2507.8	2524.9	Q16	75	0	100	0	20.99
15MHz/20MHz	2507.8	2524.9	Q16	38	37	50	50	21.02
15MHz/20MHz	2507.8	2524.9	Q16	1	74	1	0	20.51
15MHz/20MHz	2507.8	2524.9	Q16	1	0	1	99	20.43
15MHz/20MHz	2507.8	2524.9	Q64	75	0	100	0	21.00
15MHz/20MHz	2507.8	2524.9	Q64	38	37	50	50	21.09
15MHz/20MHz	2507.8	2524.9	Q64	1	74	1	0	20.36
15MHz/20MHz	2507.8	2524.9	Q64	1	0	1	99	20.33
15MHz/20MHz	2525.3	2542.4	QPSK	38	37	50	50	20.80
15MHz/20MHz	2525.3	2542.4	QPSK	1	0	1	99	20.48
15MHz/20MHz	2525.3	2542.4	Q16	38	37	50	50	20.85
15MHz/20MHz	2525.3	2542.4	Q16	1	0	1	99	20.54
15MHz/20MHz	2525.3	2542.4	Q64	38	37	50	50	20.90
15MHz/20MHz	2525.3	2542.4	Q64	1	0	1	99	20.46
15MHz/20MHz	2542.9	2560	QPSK	75	0	100	0	21.04
15MHz/20MHz	2542.9	2560	QPSK	38	37	50	50	21.05
15MHz/20MHz	2542.9	2560	QPSK	1	74	1	0	20.59
15MHz/20MHz	2542.9	2560	QPSK	1	0	1	99	20.41
15MHz/20MHz	2542.9	2560	Q16	75	0	100	0	21.00
15MHz/20MHz	2542.9	2560	Q16	38	37	50	50	21.04
15MHz/20MHz	2542.9	2560	Q16	1	74	1	0	20.62
15MHz/20MHz	2542.9	2560	Q16	1	0	1	99	20.43
15MHz/20MHz	2542.9	2560	Q64	75	0	100	0	21.02
15MHz/20MHz	2542.9	2560	Q64	38	37	50	50	21.11
15MHz/20MHz	2542.9	2560	Q64	1	74	1	0	20.48
15MHz/20MHz	2542.9	2560	Q64	1	0	1	99	20.35
20MHz/10MHz	2530.1	2544.5	QPSK	1	99	1	0	19.86
20MHz/10MHz	2530.1	2544.5	QPSK	100	0	50	0	20.80

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20MHz/10MHz	2530.1	2544.5	Q16	1	99	1	0	19.82
20MHz/10MHz	2530.1	2544.5	Q16	100	0	50	0	20.80
20MHz/10MHz	2530.1	2544.5	Q64	1	99	1	0	19.85
20MHz/10MHz	2530.1	2544.5	Q64	100	0	50	0	20.83
20MHz/15MHz	2527.6	2544.7	QPSK	1	99	1	0	19.96
20MHz/15MHz	2527.6	2544.7	QPSK	100	0	75	0	20.89
20MHz/15MHz	2527.6	2544.7	Q16	1	99	1	0	19.93
20MHz/15MHz	2527.6	2544.7	Q16	100	0	75	0	20.91
20MHz/15MHz	2527.6	2544.7	Q64	1	99	1	0	19.97
20MHz/15MHz	2527.6	2544.7	Q64	100	0	75	0	20.92
20MHz/20MHz	2525.1	2544.9	QPSK	1	99	1	0	20.43
20MHz/20MHz	2525.1	2544.9	QPSK	100	0	100	0	20.92
20MHz/20MHz	2525.1	2544.9	Q16	1	99	1	0	20.40
20MHz/20MHz	2525.1	2544.9	Q16	100	0	100	0	20.91
20MHz/20MHz	2525.1	2544.9	Q64	1	99	1	0	20.46
20MHz/20MHz	2525.1	2544.9	Q64	100	0	100	0	20.89
20MHz/10MHz	2510	2524.4	QPSK	100	0	50	0	21.03
20MHz/10MHz	2510	2524.4	QPSK	50	50	25	25	21.02
20MHz/10MHz	2510	2524.4	QPSK	1	99	1	0	20.02
20MHz/10MHz	2510	2524.4	QPSK	1	0	1	49	18.99
20MHz/10MHz	2510	2524.4	Q16	100	0	50	0	21.03
20MHz/10MHz	2510	2524.4	Q16	50	50	25	25	21.05
20MHz/10MHz	2510	2524.4	Q16	1	99	1	0	20.01
20MHz/10MHz	2510	2524.4	Q16	1	0	1	49	19.01
20MHz/10MHz	2510	2524.4	Q64	100	0	50	0	21.01
20MHz/10MHz	2510	2524.4	Q64	50	50	25	25	21.09
20MHz/10MHz	2510	2524.4	Q64	1	99	1	0	20.06
20MHz/10MHz	2510	2524.4	Q64	1	0	1	49	19.25
20MHz/10MHz	2530.1	2544.5	QPSK	50	50	25	25	20.80
20MHz/10MHz	2530.1	2544.5	QPSK	1	0	1	49	19.00
20MHz/10MHz	2530.1	2544.5	Q16	50	50	25	25	20.78
20MHz/10MHz	2530.1	2544.5	Q16	1	0	1	49	19.01
20MHz/10MHz	2530.1	2544.5	Q64	50	50	25	25	20.81
20MHz/10MHz	2530.1	2544.5	Q64	1	0	1	49	19.00
20MHz/10MHz	2550.1	2564.5	QPSK	100	0	50	0	21.15
20MHz/10MHz	2550.1	2564.5	QPSK	50	50	25	25	21.26
20MHz/10MHz	2550.1	2564.5	QPSK	1	99	1	0	20.29
20MHz/10MHz	2550.1	2564.5	QPSK	1	0	1	49	19.06
20MHz/10MHz	2550.1	2564.5	Q16	100	0	50	0	21.15

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20MHz/10MHz	2550.1	2564.5	Q16	50	50	25	25	21.22
20MHz/10MHz	2550.1	2564.5	Q16	1	99	1	0	20.20
20MHz/10MHz	2550.1	2564.5	Q16	1	0	1	49	18.61
20MHz/10MHz	2550.1	2564.5	Q64	100	0	50	0	21.13
20MHz/10MHz	2550.1	2564.5	Q64	50	50	25	25	21.26
20MHz/10MHz	2550.1	2564.5	Q64	1	99	1	0	20.31
20MHz/10MHz	2550.1	2564.5	Q64	1	0	1	49	19.09
20MHz/15MHz	2510	2527.1	QPSK	100	0	75	0	20.94
20MHz/15MHz	2510	2527.1	QPSK	50	50	38	37	20.92
20MHz/15MHz	2510	2527.1	QPSK	1	99	1	0	19.94
20MHz/15MHz	2510	2527.1	QPSK	1	0	1	74	19.42
20MHz/15MHz	2510	2527.1	Q16	100	0	75	0	20.89
20MHz/15MHz	2510	2527.1	Q16	50	50	38	37	20.87
20MHz/15MHz	2510	2527.1	Q16	1	99	1	0	19.94
20MHz/15MHz	2510	2527.1	Q16	1	0	1	74	19.42
20MHz/15MHz	2510	2527.1	Q64	100	0	75	0	20.94
20MHz/15MHz	2510	2527.1	Q64	50	50	38	37	20.93
20MHz/15MHz	2510	2527.1	Q64	1	99	1	0	19.99
20MHz/15MHz	2510	2527.1	Q64	1	0	1	74	19.48
20MHz/15MHz	2527.6	2544.7	QPSK	50	50	38	37	20.89
20MHz/15MHz	2527.6	2544.7	QPSK	1	0	1	74	19.49
20MHz/15MHz	2527.6	2544.7	Q16	50	50	38	37	20.88
20MHz/15MHz	2527.6	2544.7	Q16	1	0	1	74	19.48
20MHz/15MHz	2527.6	2544.7	Q64	50	50	38	37	20.95
20MHz/15MHz	2527.6	2544.7	Q64	1	0	1	74	19.49
20MHz/15MHz	2545.1	2562.2	QPSK	100	0	75	0	21.04
20MHz/15MHz	2545.1	2562.2	QPSK	50	50	38	37	21.04
20MHz/15MHz	2545.1	2562.2	QPSK	1	99	1	0	20.12
20MHz/15MHz	2545.1	2562.2	QPSK	1	0	1	74	19.57
20MHz/15MHz	2545.1	2562.2	Q16	100	0	75	0	21.06
20MHz/15MHz	2545.1	2562.2	Q16	50	50	38	37	21.02
20MHz/15MHz	2545.1	2562.2	Q16	1	99	1	0	20.05
20MHz/15MHz	2545.1	2562.2	Q16	1	0	1	74	19.58
20MHz/15MHz	2545.1	2562.2	Q64	100	0	75	0	21.04
20MHz/15MHz	2545.1	2562.2	Q64	50	50	38	37	20.99
20MHz/15MHz	2545.1	2562.2	Q64	1	99	1	0	20.06
20MHz/15MHz	2545.1	2562.2	Q64	1	0	1	74	19.60
20MHz/20MHz	2510	2529.8	QPSK	100	0	100	0	21.01
20MHz/20MHz	2510	2529.8	QPSK	50	50	50	50	21.00

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20MHz/20MHz	2510	2529.8	QPSK	1	99	1	0	20.53
20MHz/20MHz	2510	2529.8	QPSK	1	0	1	99	20.53
20MHz/20MHz	2510	2529.8	Q16	100	0	100	0	21.00
20MHz/20MHz	2510	2529.8	Q16	50	50	50	50	20.97
20MHz/20MHz	2510	2529.8	Q16	1	99	1	0	20.50
20MHz/20MHz	2510	2529.8	Q16	1	0	1	99	20.48
20MHz/20MHz	2510	2529.8	Q64	100	0	100	0	20.96
20MHz/20MHz	2510	2529.8	Q64	50	50	50	50	20.98
20MHz/20MHz	2510	2529.8	Q64	1	99	1	0	20.54
20MHz/20MHz	2510	2529.8	Q64	1	0	1	99	20.57
20MHz/20MHz	2525.1	2544.9	QPSK	50	50	50	50	20.90
20MHz/20MHz	2525.1	2544.9	QPSK	1	0	1	99	20.48
20MHz/20MHz	2525.1	2544.9	Q16	50	50	50	50	20.88
20MHz/20MHz	2525.1	2544.9	Q16	1	0	1	99	20.43
20MHz/20MHz	2525.1	2544.9	Q64	50	50	50	50	20.89
20MHz/20MHz	2525.1	2544.9	Q64	1	0	1	99	20.53
20MHz/20MHz	2540.2	2560	QPSK	100	0	100	0	20.97
20MHz/20MHz	2540.2	2560	QPSK	50	50	50	50	21.01
20MHz/20MHz	2540.2	2560	QPSK	1	99	1	0	20.51
20MHz/20MHz	2540.2	2560	QPSK	1	0	1	99	20.50
20MHz/20MHz	2540.2	2560	Q16	100	0	100	0	20.99
20MHz/20MHz	2540.2	2560	Q16	50	50	50	50	20.97
20MHz/20MHz	2540.2	2560	Q16	1	99	1	0	20.44
20MHz/20MHz	2540.2	2560	Q16	1	0	1	99	20.49
20MHz/20MHz	2540.2	2560	Q64	100	0	100	0	20.99
20MHz/20MHz	2540.2	2560	Q64	50	50	50	50	21.05
20MHz/20MHz	2540.2	2560	Q64	1	99	1	0	20.53
20MHz/20MHz	2540.2	2560	Q64	1	0	1	99	20.57

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LTE CA_band 41C
Limits 33dBm(2w)
Max EIRP:23.00dBm

Bandwidth	Frequency(MHz)	Frequency(MHz)	Modulation	PCC RB		SCC RB		Radiated Power(dBm) G _T =1.0dBi
				Size	Offset	Size	Offset	
5MHz/20MHz	2499.3	2511	QPSK	25	0	100	0	23.00
5MHz/20MHz	2499.3	2511	QPSK	13	12	50	50	21.54
5MHz/20MHz	2499.3	2511	QPSK	1	24	1	0	21.55
5MHz/20MHz	2499.3	2511	QPSK	1	0	1	99	21.44
5MHz/20MHz	2499.3	2511	Q16	25	0	100	0	21.48
5MHz/20MHz	2499.3	2511	Q16	13	12	50	50	21.53
5MHz/20MHz	2499.3	2511	Q16	1	24	1	0	21.49
5MHz/20MHz	2499.3	2511	Q16	1	0	1	99	21.39
5MHz/20MHz	2499.3	2511	Q64	25	0	100	0	21.44
5MHz/20MHz	2499.3	2511	Q64	13	12	50	50	21.50
5MHz/20MHz	2499.3	2511	Q64	1	24	1	0	21.38
5MHz/20MHz	2499.3	2511	Q64	1	0	1	99	21.28
5MHz/20MHz	2583.8	2595.5	QPSK	25	0	100	0	21.39
5MHz/20MHz	2583.8	2595.5	QPSK	13	12	50	50	21.35
5MHz/20MHz	2583.8	2595.5	QPSK	1	24	1	0	21.39
5MHz/20MHz	2583.8	2595.5	QPSK	1	0	1	99	21.33
5MHz/20MHz	2583.8	2595.5	Q16	25	0	100	0	21.34
5MHz/20MHz	2583.8	2595.5	Q16	13	12	50	50	21.36
5MHz/20MHz	2583.8	2595.5	Q16	1	24	1	0	21.38
5MHz/20MHz	2583.8	2595.5	Q16	1	0	1	99	21.30
5MHz/20MHz	2583.8	2595.5	Q64	25	0	100	0	21.33
5MHz/20MHz	2583.8	2595.5	Q64	13	12	50	50	21.37
5MHz/20MHz	2583.8	2595.5	Q64	1	24	1	0	21.27
5MHz/20MHz	2583.8	2595.5	Q64	1	0	1	99	21.19
5MHz/20MHz	2668.3	2680	QPSK	25	0	100	0	21.16
5MHz/20MHz	2668.3	2680	QPSK	13	12	50	50	21.12
5MHz/20MHz	2668.3	2680	QPSK	1	24	1	0	21.08
5MHz/20MHz	2668.3	2680	QPSK	1	0	1	99	21.24
5MHz/20MHz	2668.3	2680	Q16	25	0	100	0	21.12
5MHz/20MHz	2668.3	2680	Q16	13	12	50	50	21.12
5MHz/20MHz	2668.3	2680	Q16	1	24	1	0	21.02

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5MHz/20MHz	2668.3	2680	Q16	1	0	1	99	21.18
5MHz/20MHz	2668.3	2680	Q64	25	0	100	0	21.07
5MHz/20MHz	2668.3	2680	Q64	13	12	50	50	21.09
5MHz/20MHz	2668.3	2680	Q64	1	24	1	0	20.90
5MHz/20MHz	2668.3	2680	Q64	1	0	1	99	21.05
10MHz/15MHz	2501.3	2513.3	QPSK	50	0	75	0	22.96
10MHz/15MHz	2501.3	2513.3	QPSK	25	25	38	37	21.49
10MHz/15MHz	2501.3	2513.3	QPSK	1	49	1	0	20.99
10MHz/15MHz	2501.3	2513.3	QPSK	1	0	1	74	20.79
10MHz/15MHz	2501.3	2513.3	Q16	50	0	75	0	21.46
10MHz/15MHz	2501.3	2513.3	Q16	25	25	38	37	21.50
10MHz/15MHz	2501.3	2513.3	Q16	1	49	1	0	21.02
10MHz/15MHz	2501.3	2513.3	Q16	1	0	1	74	20.85
10MHz/15MHz	2501.3	2513.3	Q64	50	0	75	0	21.45
10MHz/15MHz	2501.3	2513.3	Q64	25	25	38	37	21.49
10MHz/15MHz	2501.3	2513.3	Q64	1	49	1	0	20.88
10MHz/15MHz	2501.3	2513.3	Q64	1	0	1	74	20.71
10MHz/15MHz	2585.9	2597.9	QPSK	50	0	75	0	21.44
10MHz/15MHz	2585.9	2597.9	QPSK	25	25	38	37	21.44
10MHz/15MHz	2585.9	2597.9	QPSK	1	49	1	0	20.96
10MHz/15MHz	2585.9	2597.9	QPSK	1	0	1	74	20.80
10MHz/15MHz	2585.9	2597.9	Q16	50	0	75	0	21.42
10MHz/15MHz	2585.9	2597.9	Q16	25	25	38	37	21.48
10MHz/15MHz	2585.9	2597.9	Q16	1	49	1	0	20.99
10MHz/15MHz	2585.9	2597.9	Q16	1	0	1	74	20.84
10MHz/15MHz	2585.9	2597.9	Q64	50	0	75	0	21.45
10MHz/15MHz	2585.9	2597.9	Q64	25	25	38	37	21.46
10MHz/15MHz	2585.9	2597.9	Q64	1	49	1	0	20.88
10MHz/15MHz	2585.9	2597.9	Q64	1	0	1	74	20.73
10MHz/15MHz	2670.5	2682.5	QPSK	50	0	75	0	21.11
10MHz/15MHz	2670.5	2682.5	QPSK	25	25	38	37	21.01
10MHz/15MHz	2670.5	2682.5	QPSK	1	49	1	0	20.39
10MHz/15MHz	2670.5	2682.5	QPSK	1	0	1	74	20.69
10MHz/15MHz	2670.5	2682.5	Q16	50	0	75	0	21.11
10MHz/15MHz	2670.5	2682.5	Q16	25	25	38	37	21.01
10MHz/15MHz	2670.5	2682.5	Q16	1	49	1	0	20.46
10MHz/15MHz	2670.5	2682.5	Q16	1	0	1	74	20.75
10MHz/15MHz	2670.5	2682.5	Q64	50	0	75	0	21.09
10MHz/15MHz	2670.5	2682.5	Q64	25	25	38	37	21.01

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10MHz/15MHz	2670.5	2682.5	Q64	1	49	1	0	20.30
10MHz/15MHz	2670.5	2682.5	Q64	1	0	1	74	20.56
10MHz/20MHz	2501.5	2515.9	QPSK	50	0	100	0	21.32
10MHz/20MHz	2501.5	2515.9	QPSK	25	25	50	50	21.37
10MHz/20MHz	2501.5	2515.9	QPSK	1	49	1	0	20.87
10MHz/20MHz	2501.5	2515.9	QPSK	1	0	1	99	20.71
10MHz/20MHz	2501.5	2515.9	Q16	50	0	100	0	21.19
10MHz/20MHz	2501.5	2515.9	Q16	25	25	50	50	21.16
10MHz/20MHz	2501.5	2515.9	Q16	1	49	1	0	20.64
10MHz/20MHz	2501.5	2515.9	Q16	1	0	1	99	20.68
10MHz/20MHz	2501.5	2515.9	Q64	50	0	100	0	21.17
10MHz/20MHz	2501.5	2515.9	Q64	25	25	50	50	21.19
10MHz/20MHz	2501.5	2515.9	Q64	1	49	1	0	20.55
10MHz/20MHz	2501.5	2515.9	Q64	1	0	1	99	20.55
10MHz/20MHz	2583.6	2598	QPSK	50	0	100	0	21.32
10MHz/20MHz	2583.6	2598	QPSK	25	25	50	50	21.28
10MHz/20MHz	2583.6	2598	QPSK	1	49	1	0	20.74
10MHz/20MHz	2583.6	2598	QPSK	1	0	1	99	20.75
10MHz/20MHz	2583.6	2598	Q16	50	0	100	0	21.29
10MHz/20MHz	2583.6	2598	Q16	25	25	50	50	21.29
10MHz/20MHz	2583.6	2598	Q16	1	49	1	0	20.74
10MHz/20MHz	2583.6	2598	Q16	1	0	1	99	20.77
10MHz/20MHz	2583.6	2598	Q64	50	0	100	0	21.27
10MHz/20MHz	2583.6	2598	Q64	25	25	50	50	21.28
10MHz/20MHz	2583.6	2598	Q64	1	49	1	0	20.63
10MHz/20MHz	2583.6	2598	Q64	1	0	1	99	20.67
10MHz/20MHz	2665.6	2680	QPSK	50	0	100	0	21.28
10MHz/20MHz	2665.6	2680	QPSK	25	25	50	50	21.30
10MHz/20MHz	2665.6	2680	QPSK	1	49	1	0	20.74
10MHz/20MHz	2665.6	2680	QPSK	1	0	1	99	20.70
10MHz/20MHz	2665.6	2680	Q16	50	0	100	0	21.21
10MHz/20MHz	2665.6	2680	Q16	25	25	50	50	21.29
10MHz/20MHz	2665.6	2680	Q16	1	49	1	0	20.77
10MHz/20MHz	2665.6	2680	Q16	1	0	1	99	20.73
10MHz/20MHz	2665.6	2680	Q64	50	0	100	0	21.23
10MHz/20MHz	2665.6	2680	Q64	25	25	50	50	21.31
10MHz/20MHz	2665.6	2680	Q64	1	49	1	0	20.69
10MHz/20MHz	2665.6	2680	Q64	1	0	1	99	20.58
15MHz/10MHz	2503.5	2515.5	QPSK	75	0	50	0	20.35

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15MHz/10MHz	2503.5	2515.5	QPSK	38	37	25	25	20.76
15MHz/10MHz	2503.5	2515.5	QPSK	1	74	1	0	20.27
15MHz/10MHz	2503.5	2515.5	QPSK	1	0	1	49	19.83
15MHz/10MHz	2503.5	2515.5	Q16	75	0	50	0	19.42
15MHz/10MHz	2503.5	2515.5	Q16	38	37	25	25	18.95
15MHz/10MHz	2503.5	2515.5	Q16	1	74	1	0	20.55
15MHz/10MHz	2503.5	2515.5	Q16	1	0	1	49	19.85
15MHz/10MHz	2503.5	2515.5	Q64	75	0	50	0	21.94
15MHz/10MHz	2503.5	2515.5	Q64	38	37	25	25	19.00
15MHz/10MHz	2503.5	2515.5	Q64	1	74	1	0	20.43
15MHz/10MHz	2503.5	2515.5	Q64	1	0	1	49	19.76
15MHz/10MHz	2588.1	2600.1	QPSK	75	0	50	0	20.70
15MHz/10MHz	2588.1	2600.1	QPSK	38	37	25	25	20.13
15MHz/10MHz	2588.1	2600.1	QPSK	1	74	1	0	20.41
15MHz/10MHz	2588.1	2600.1	QPSK	1	0	1	49	19.62
15MHz/10MHz	2588.1	2600.1	Q16	75	0	50	0	22.05
15MHz/10MHz	2588.1	2600.1	Q16	38	37	25	25	20.99
15MHz/10MHz	2588.1	2600.1	Q16	1	74	1	0	20.42
15MHz/10MHz	2588.1	2600.1	Q16	1	0	1	49	19.62
15MHz/10MHz	2588.1	2600.1	Q64	75	0	50	0	21.99
15MHz/10MHz	2588.1	2600.1	Q64	38	37	25	25	19.99
15MHz/10MHz	2588.1	2600.1	Q64	1	74	1	0	20.33
15MHz/10MHz	2588.1	2600.1	Q64	1	0	1	49	19.47
15MHz/10MHz	2672.7	2684.7	QPSK	75	0	50	0	21.04
15MHz/10MHz	2672.7	2684.7	QPSK	38	37	25	25	19.81
15MHz/10MHz	2672.7	2684.7	QPSK	1	74	1	0	19.91
15MHz/10MHz	2672.7	2684.7	QPSK	1	0	1	49	20.17
15MHz/10MHz	2672.7	2684.7	Q16	75	0	50	0	21.90
15MHz/10MHz	2672.7	2684.7	Q16	38	37	25	25	21.34
15MHz/10MHz	2672.7	2684.7	Q16	1	74	1	0	19.86
15MHz/10MHz	2672.7	2684.7	Q16	1	0	1	49	20.04
15MHz/10MHz	2672.7	2684.7	Q64	75	0	50	0	21.66
15MHz/10MHz	2672.7	2684.7	Q64	38	37	25	25	21.13
15MHz/10MHz	2672.7	2684.7	Q64	1	74	1	0	19.86
15MHz/10MHz	2672.7	2684.7	Q64	1	0	1	49	20.04
15MHz/15MHz	2503.5	2518.5	QPSK	75	0	75	0	21.35
15MHz/15MHz	2503.5	2518.5	QPSK	38	37	38	37	21.35
15MHz/15MHz	2503.5	2518.5	QPSK	1	74	1	0	20.35
15MHz/15MHz	2503.5	2518.5	QPSK	1	0	1	74	20.20

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15MHz/15MHz	2503.5	2518.5	Q16	75	0	75	0	21.31
15MHz/15MHz	2503.5	2518.5	Q16	38	37	38	37	21.41
15MHz/15MHz	2503.5	2518.5	Q16	1	74	1	0	20.39
15MHz/15MHz	2503.5	2518.5	Q16	1	0	1	74	20.23
15MHz/15MHz	2503.5	2518.5	Q64	75	0	75	0	21.34
15MHz/15MHz	2503.5	2518.5	Q64	38	37	38	37	21.39
15MHz/15MHz	2503.5	2518.5	Q64	1	74	1	0	20.29
15MHz/15MHz	2503.5	2518.5	Q64	1	0	1	74	20.16
15MHz/15MHz	2585.5	2600.5	QPSK	75	0	75	0	21.54
15MHz/15MHz	2585.5	2600.5	QPSK	38	37	38	37	21.58
15MHz/15MHz	2585.5	2600.5	QPSK	1	74	1	0	20.65
15MHz/15MHz	2585.5	2600.5	QPSK	1	0	1	74	20.40
15MHz/15MHz	2585.5	2600.5	Q16	75	0	75	0	21.50
15MHz/15MHz	2585.5	2600.5	Q16	38	37	38	37	21.65
15MHz/15MHz	2585.5	2600.5	Q16	1	74	1	0	20.70
15MHz/15MHz	2585.5	2600.5	Q16	1	0	1	74	20.48
15MHz/15MHz	2585.5	2600.5	Q64	75	0	75	0	21.53
15MHz/15MHz	2585.5	2600.5	Q64	38	37	38	37	21.62
15MHz/15MHz	2585.5	2600.5	Q64	1	74	1	0	20.51
15MHz/15MHz	2585.5	2600.5	Q64	1	0	1	74	20.36
15MHz/15MHz	2667.5	2682.5	QPSK	75	0	75	0	21.18
15MHz/15MHz	2667.5	2682.5	QPSK	38	37	38	37	21.11
15MHz/15MHz	2667.5	2682.5	QPSK	1	74	1	0	19.95
15MHz/15MHz	2667.5	2682.5	QPSK	1	0	1	74	20.40
15MHz/15MHz	2667.5	2682.5	Q16	75	0	75	0	21.16
15MHz/15MHz	2667.5	2682.5	Q16	38	37	38	37	21.16
15MHz/15MHz	2667.5	2682.5	Q16	1	74	1	0	19.97
15MHz/15MHz	2667.5	2682.5	Q16	1	0	1	74	20.42
15MHz/15MHz	2667.5	2682.5	Q64	75	0	75	0	21.16
15MHz/15MHz	2667.5	2682.5	Q64	38	37	38	37	21.11
15MHz/15MHz	2667.5	2682.5	Q64	1	74	1	0	19.94
15MHz/15MHz	2667.5	2682.5	Q64	1	0	1	74	20.32
15MHz/20MHz	2503.8	2520.9	QPSK	75	0	100	0	21.32
15MHz/20MHz	2503.8	2520.9	QPSK	38	37	50	50	21.31
15MHz/20MHz	2503.8	2520.9	QPSK	1	74	1	0	20.81
15MHz/20MHz	2503.8	2520.9	QPSK	1	0	1	99	20.60
15MHz/20MHz	2503.8	2520.9	Q16	75	0	100	0	21.28
15MHz/20MHz	2503.8	2520.9	Q16	38	37	50	50	21.37
15MHz/20MHz	2503.8	2520.9	Q16	1	74	1	0	20.84

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15MHz/20MHz	2503.8	2520.9	Q16	1	0	1	99	20.67
15MHz/20MHz	2503.8	2520.9	Q64	75	0	100	0	21.27
15MHz/20MHz	2503.8	2520.9	Q64	38	37	50	50	21.31
15MHz/20MHz	2503.8	2520.9	Q64	1	74	1	0	20.67
15MHz/20MHz	2503.8	2520.9	Q64	1	0	1	99	20.67
15MHz/20MHz	2583.3	2600.4	QPSK	75	0	100	0	21.45
15MHz/20MHz	2583.3	2600.4	QPSK	38	37	50	50	21.50
15MHz/20MHz	2583.3	2600.4	QPSK	1	74	1	0	20.99
15MHz/20MHz	2583.3	2600.4	QPSK	1	0	1	99	20.91
15MHz/20MHz	2583.3	2600.4	Q16	75	0	100	0	21.47
15MHz/20MHz	2583.3	2600.4	Q16	38	37	50	50	21.53
15MHz/20MHz	2583.3	2600.4	Q16	1	74	1	0	21.05
15MHz/20MHz	2583.3	2600.4	Q16	1	0	1	99	20.93
15MHz/20MHz	2583.3	2600.4	Q64	75	0	100	0	21.42
15MHz/20MHz	2583.3	2600.4	Q64	38	37	50	50	21.56
15MHz/20MHz	2583.3	2600.4	Q64	1	74	1	0	20.93
15MHz/20MHz	2583.3	2600.4	Q64	1	0	1	99	20.84
15MHz/20MHz	2662.9	2680	QPSK	75	0	100	0	21.31
15MHz/20MHz	2662.9	2680	QPSK	38	37	50	50	21.29
15MHz/20MHz	2662.9	2680	QPSK	1	74	1	0	20.61
15MHz/20MHz	2662.9	2680	QPSK	1	0	1	99	20.88
15MHz/20MHz	2662.9	2680	Q16	75	0	100	0	21.26
15MHz/20MHz	2662.9	2680	Q16	38	37	50	50	21.27
15MHz/20MHz	2662.9	2680	Q16	1	74	1	0	20.56
15MHz/20MHz	2662.9	2680	Q16	1	0	1	99	20.87
15MHz/20MHz	2662.9	2680	Q64	75	0	100	0	21.28
15MHz/20MHz	2662.9	2680	Q64	38	37	50	50	21.35
15MHz/20MHz	2662.9	2680	Q64	1	74	1	0	20.53
15MHz/20MHz	2662.9	2680	Q64	1	0	1	99	20.76
20MHz/5MHz	2506	2517.7	QPSK	100	0	25	0	22.98
20MHz/5MHz	2506	2517.7	QPSK	50	50	13	12	18.86
20MHz/5MHz	2506	2517.7	QPSK	1	99	1	0	20.51
20MHz/5MHz	2506	2517.7	QPSK	1	0	1	24	18.38
20MHz/5MHz	2506	2517.7	Q16	100	0	25	0	19.44
20MHz/5MHz	2506	2517.7	Q16	50	50	13	12	18.95
20MHz/5MHz	2506	2517.7	Q16	1	99	1	0	20.55
20MHz/5MHz	2506	2517.7	Q16	1	0	1	24	18.37
20MHz/5MHz	2506	2517.7	Q64	100	0	25	0	21.62
20MHz/5MHz	2506	2517.7	Q64	50	50	13	12	19.02

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20MHz/5MHz	2506	2517.7	Q64	1	99	1	0	20.61
20MHz/5MHz	2506	2517.7	Q64	1	0	1	24	18.43
20MHz/5MHz	2590.5	2602.2	QPSK	100	0	25	0	21.98
20MHz/5MHz	2590.5	2602.2	QPSK	50	50	13	12	21.30
20MHz/5MHz	2590.5	2602.2	QPSK	1	99	1	0	20.79
20MHz/5MHz	2590.5	2602.2	QPSK	1	0	1	24	18.20
20MHz/5MHz	2590.5	2602.2	Q16	100	0	25	0	21.49
20MHz/5MHz	2590.5	2602.2	Q16	50	50	13	12	20.07
20MHz/5MHz	2590.5	2602.2	Q16	1	99	1	0	20.78
20MHz/5MHz	2590.5	2602.2	Q16	1	0	1	24	18.17
20MHz/5MHz	2590.5	2602.2	Q64	100	0	25	0	20.45
20MHz/5MHz	2590.5	2602.2	Q64	50	50	13	12	21.81
20MHz/5MHz	2590.5	2602.2	Q64	1	99	1	0	20.87
20MHz/5MHz	2590.5	2602.2	Q64	1	0	1	24	18.27
20MHz/5MHz	2675	2686.7	QPSK	100	0	25	0	21.10
20MHz/5MHz	2675	2686.7	QPSK	50	50	13	12	21.34
20MHz/5MHz	2675	2686.7	QPSK	1	99	1	0	20.33
20MHz/5MHz	2675	2686.7	QPSK	1	0	1	24	18.53
20MHz/5MHz	2675	2686.7	Q16	100	0	25	0	20.56
20MHz/5MHz	2675	2686.7	Q16	50	50	13	12	20.06
20MHz/5MHz	2675	2686.7	Q16	1	99	1	0	20.37
20MHz/5MHz	2675	2686.7	Q16	1	0	1	24	18.51
20MHz/5MHz	2675	2686.7	Q64	100	0	25	0	20.61
20MHz/5MHz	2675	2686.7	Q64	50	50	13	12	20.20
20MHz/5MHz	2675	2686.7	Q64	1	99	1	0	20.44
20MHz/5MHz	2675	2686.7	Q64	1	0	1	24	18.58
20MHz/10MHz	2506	2520.4	QPSK	100	0	50	0	21.21
20MHz/10MHz	2506	2520.4	QPSK	50	50	25	25	21.25
20MHz/10MHz	2506	2520.4	QPSK	1	99	1	0	20.26
20MHz/10MHz	2506	2520.4	QPSK	1	0	1	49	19.71
20MHz/10MHz	2506	2520.4	Q16	100	0	50	0	21.23
20MHz/10MHz	2506	2520.4	Q16	50	50	25	25	21.25
20MHz/10MHz	2506	2520.4	Q16	1	99	1	0	20.05
20MHz/10MHz	2506	2520.4	Q16	1	0	1	49	19.50
20MHz/10MHz	2506	2520.4	Q64	100	0	50	0	21.20
20MHz/10MHz	2506	2520.4	Q64	50	50	25	25	21.18
20MHz/10MHz	2506	2520.4	Q64	1	99	1	0	20.31
20MHz/10MHz	2506	2520.4	Q64	1	0	1	49	19.79
20MHz/10MHz	2588.1	2602.5	QPSK	100	0	50	0	21.34

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20MHz/10MHz	2588.1	2602.5	QPSK	50	50	25	25	21.34
20MHz/10MHz	2588.1	2602.5	QPSK	1	99	1	0	20.36
20MHz/10MHz	2588.1	2602.5	QPSK	1	0	1	49	19.49
20MHz/10MHz	2588.1	2602.5	Q16	100	0	50	0	21.38
20MHz/10MHz	2588.1	2602.5	Q16	50	50	25	25	21.41
20MHz/10MHz	2588.1	2602.5	Q16	1	99	1	0	20.34
20MHz/10MHz	2588.1	2602.5	Q16	1	0	1	49	19.58
20MHz/10MHz	2588.1	2602.5	Q64	100	0	50	0	21.33
20MHz/10MHz	2588.1	2602.5	Q64	50	50	25	25	21.38
20MHz/10MHz	2588.1	2602.5	Q64	1	99	1	0	20.41
20MHz/10MHz	2588.1	2602.5	Q64	1	0	1	49	19.63
20MHz/10MHz	2670.1	2684.5	QPSK	100	0	50	0	21.33
20MHz/10MHz	2670.1	2684.5	QPSK	50	50	25	25	21.39
20MHz/10MHz	2670.1	2684.5	QPSK	1	99	1	0	20.42
20MHz/10MHz	2670.1	2684.5	QPSK	1	0	1	49	19.48
20MHz/10MHz	2670.1	2684.5	Q16	100	0	50	0	21.32
20MHz/10MHz	2670.1	2684.5	Q16	50	50	25	25	21.32
20MHz/10MHz	2670.1	2684.5	Q16	1	99	1	0	20.23
20MHz/10MHz	2670.1	2684.5	Q16	1	0	1	49	19.43
20MHz/10MHz	2670.1	2684.5	Q64	100	0	50	0	21.34
20MHz/10MHz	2670.1	2684.5	Q64	50	50	25	25	21.37
20MHz/10MHz	2670.1	2684.5	Q64	1	99	1	0	20.42
20MHz/10MHz	2670.1	2684.5	Q64	1	0	1	49	19.77
20MHz/15MHz	2506	2523.1	QPSK	100	0	75	0	21.17
20MHz/15MHz	2506	2523.1	QPSK	50	50	38	37	21.16
20MHz/15MHz	2506	2523.1	QPSK	1	99	1	0	20.18
20MHz/15MHz	2506	2523.1	QPSK	1	0	1	74	19.69
20MHz/15MHz	2506	2523.1	Q16	100	0	75	0	21.18
20MHz/15MHz	2506	2523.1	Q16	50	50	38	37	21.18
20MHz/15MHz	2506	2523.1	Q16	1	99	1	0	20.20
20MHz/15MHz	2506	2523.1	Q16	1	0	1	74	19.68
20MHz/15MHz	2506	2523.1	Q64	100	0	75	0	21.16
20MHz/15MHz	2506	2523.1	Q64	50	50	38	37	21.14
20MHz/15MHz	2506	2523.1	Q64	1	99	1	0	20.21
20MHz/15MHz	2506	2523.1	Q64	1	0	1	74	19.76
20MHz/15MHz	2585.6	2602.7	QPSK	100	0	75	0	21.38
20MHz/15MHz	2585.6	2602.7	QPSK	50	50	38	37	21.34
20MHz/15MHz	2585.6	2602.7	QPSK	1	99	1	0	20.41
20MHz/15MHz	2585.6	2602.7	QPSK	1	0	1	74	19.87

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20MHz/15MHz	2585.6	2602.7	Q16	100	0	75	0	21.40
20MHz/15MHz	2585.6	2602.7	Q16	50	50	38	37	21.36
20MHz/15MHz	2585.6	2602.7	Q16	1	99	1	0	20.38
20MHz/15MHz	2585.6	2602.7	Q16	1	0	1	74	19.91
20MHz/15MHz	2585.6	2602.7	Q64	100	0	75	0	21.35
20MHz/15MHz	2585.6	2602.7	Q64	50	50	38	37	21.38
20MHz/15MHz	2585.6	2602.7	Q64	1	99	1	0	20.41
20MHz/15MHz	2585.6	2602.7	Q64	1	0	1	74	19.89
20MHz/15MHz	2665.1	2682.2	QPSK	100	0	75	0	21.34
20MHz/15MHz	2665.1	2682.2	QPSK	50	50	38	37	21.40
20MHz/15MHz	2665.1	2682.2	QPSK	1	99	1	0	20.45
20MHz/15MHz	2665.1	2682.2	QPSK	1	0	1	74	19.87
20MHz/15MHz	2665.1	2682.2	Q16	100	0	75	0	21.36
20MHz/15MHz	2665.1	2682.2	Q16	50	50	38	37	21.36
20MHz/15MHz	2665.1	2682.2	Q16	1	99	1	0	20.40
20MHz/15MHz	2665.1	2682.2	Q16	1	0	1	74	19.83
20MHz/15MHz	2665.1	2682.2	Q64	100	0	75	0	21.29
20MHz/15MHz	2665.1	2682.2	Q64	50	50	38	37	21.34
20MHz/15MHz	2665.1	2682.2	Q64	1	99	1	0	20.47
20MHz/15MHz	2665.1	2682.2	Q64	1	0	1	74	19.85
20MHz/20MHz	2506	2525.8	QPSK	100	0	100	0	21.15
20MHz/20MHz	2506	2525.8	QPSK	50	50	50	50	21.21
20MHz/20MHz	2506	2525.8	QPSK	1	99	1	0	20.67
20MHz/20MHz	2506	2525.8	QPSK	1	0	1	99	20.63
20MHz/20MHz	2506	2525.8	Q16	100	0	100	0	21.16
20MHz/20MHz	2506	2525.8	Q16	50	50	50	50	21.13
20MHz/20MHz	2506	2525.8	Q16	1	99	1	0	20.60
20MHz/20MHz	2506	2525.8	Q16	1	0	1	99	20.67
20MHz/20MHz	2506	2525.8	Q64	100	0	100	0	21.12
20MHz/20MHz	2506	2525.8	Q64	50	50	50	50	21.13
20MHz/20MHz	2506	2525.8	Q64	1	99	1	0	20.67
20MHz/20MHz	2506	2525.8	Q64	1	0	1	99	20.70
20MHz/20MHz	2583.1	2602.9	QPSK	100	0	100	0	21.40
20MHz/20MHz	2583.1	2602.9	QPSK	50	50	50	50	21.33
20MHz/20MHz	2583.1	2602.9	QPSK	1	99	1	0	20.89
20MHz/20MHz	2583.1	2602.9	QPSK	1	0	1	99	20.93
20MHz/20MHz	2583.1	2602.9	Q16	100	0	100	0	21.38
20MHz/20MHz	2583.1	2602.9	Q16	50	50	50	50	21.45
20MHz/20MHz	2583.1	2602.9	Q16	1	99	1	0	20.87

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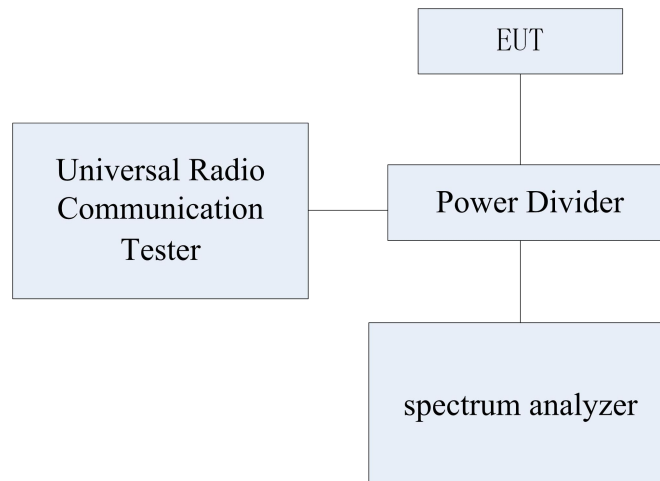
20MHz/20MHz	2583.1	2602.9	Q16	1	0	1	99	20.95
20MHz/20MHz	2583.1	2602.9	Q64	100	0	100	0	21.38
20MHz/20MHz	2583.1	2602.9	Q64	50	50	50	50	21.32
20MHz/20MHz	2583.1	2602.9	Q64	1	99	1	0	20.89
20MHz/20MHz	2583.1	2602.9	Q64	1	0	1	99	20.93
20MHz/20MHz	2660.2	2680	QPSK	100	0	100	0	21.29
20MHz/20MHz	2660.2	2680	QPSK	50	50	50	50	21.31
20MHz/20MHz	2660.2	2680	QPSK	1	99	1	0	20.87
20MHz/20MHz	2660.2	2680	QPSK	1	0	1	99	20.82

6.4. Occupied Bandwidth

Specifications:	FCC Part 2.1049,22.917(b), 24.238(b)
DUT Serial Number:	864542050016100/864542050016050
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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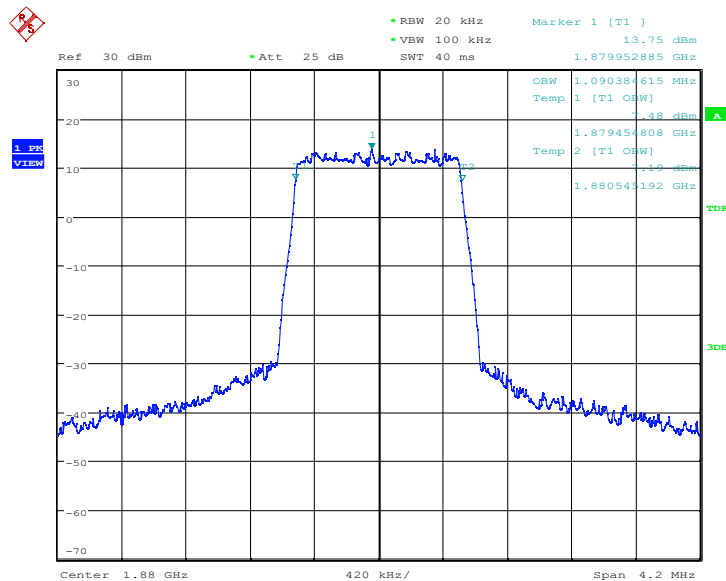
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Tel: 0086-23-88069965 FAX:0086-23-88608777

6.4.1 occupied bandwidth Results

LTE band 2,1.4MHz(99%)

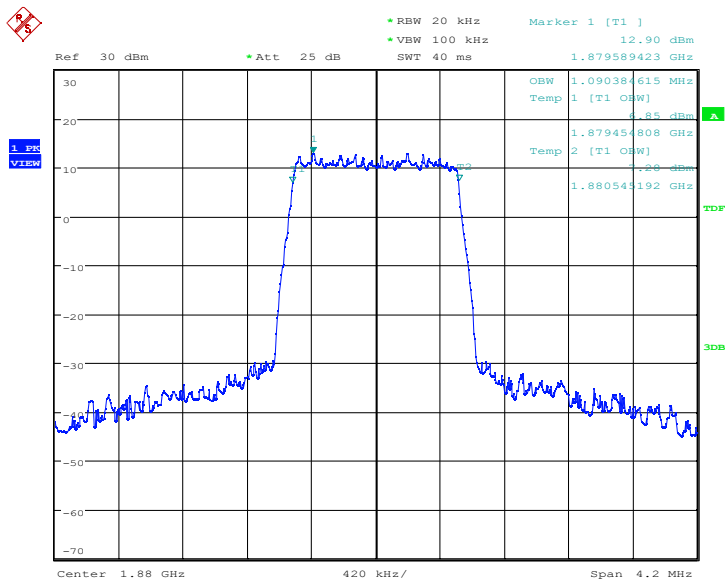
Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1880	1.090	1.090

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



Date: 3.MAR.2022 05:50:50

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



Date: 3.MAR.2022 05:51:14

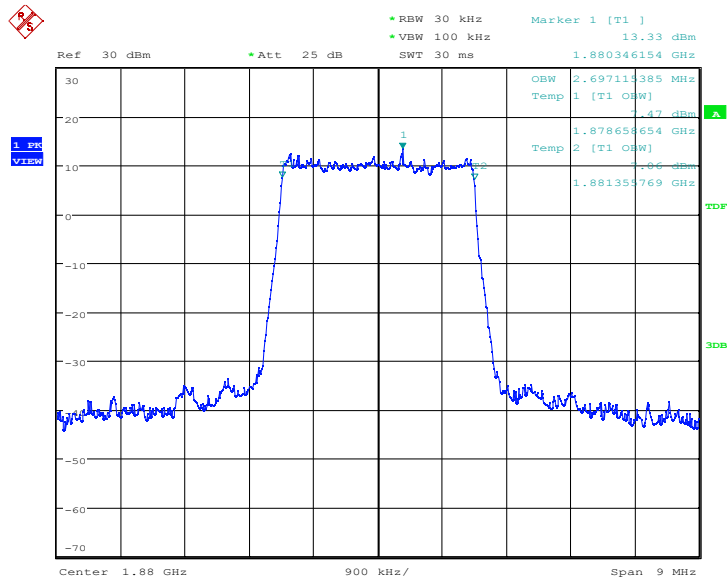
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Tel: 0086-23-88069965 FAX:0086-23-88608777

LTE band 2,3MHz(99%)

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

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

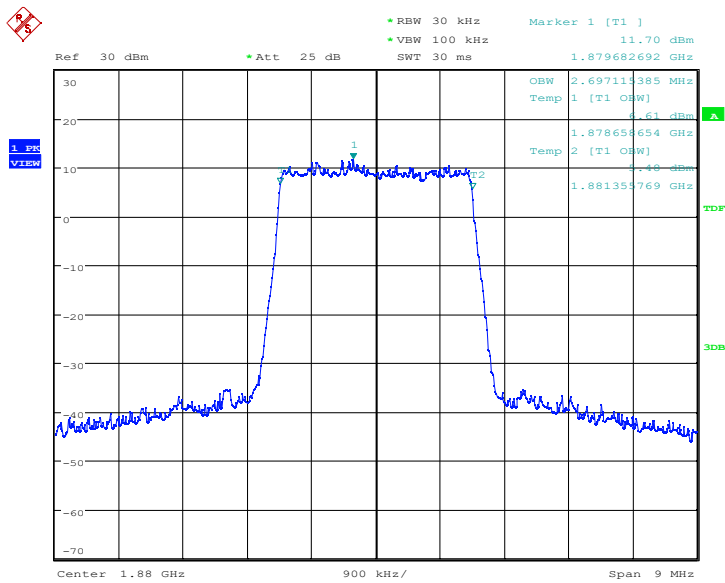


Date: 3.MAR.2022 05:51:45

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

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Date: 3.MAR.2022 05:52:08

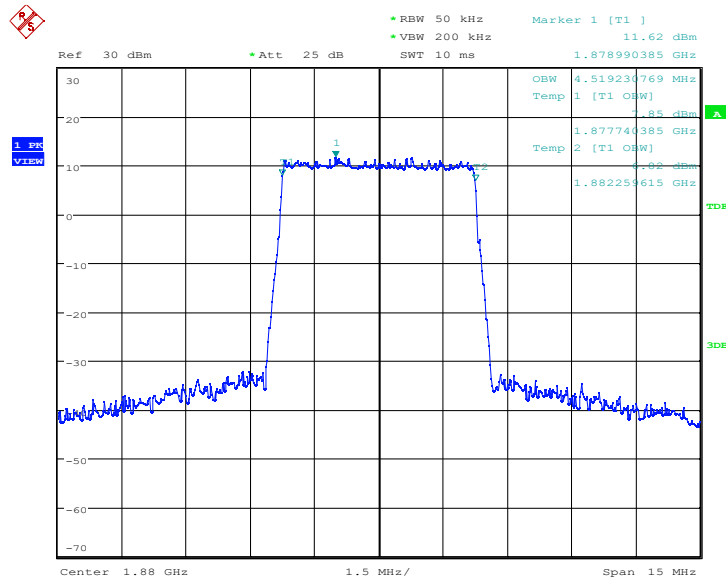
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LTE band 2,5MHz(99%)

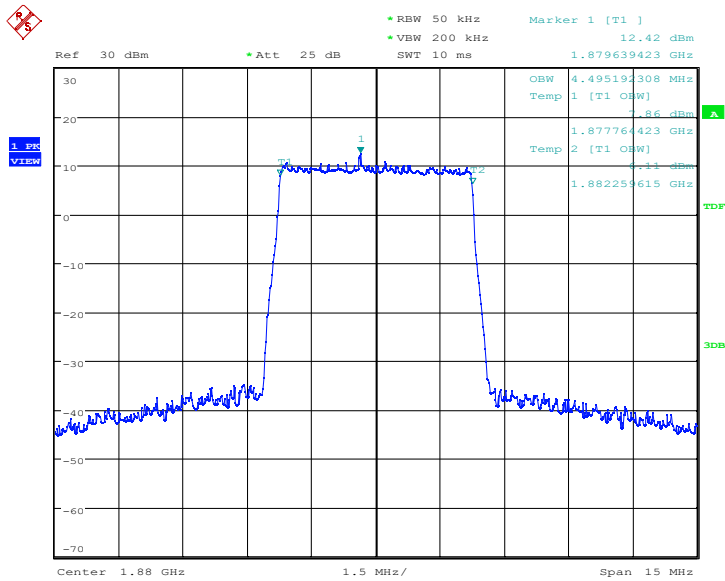
Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1880	4.519	4.495

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



Date: 3.MAR.2022 05:52:38

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



Date: 3.MAR.2022 05:53:00

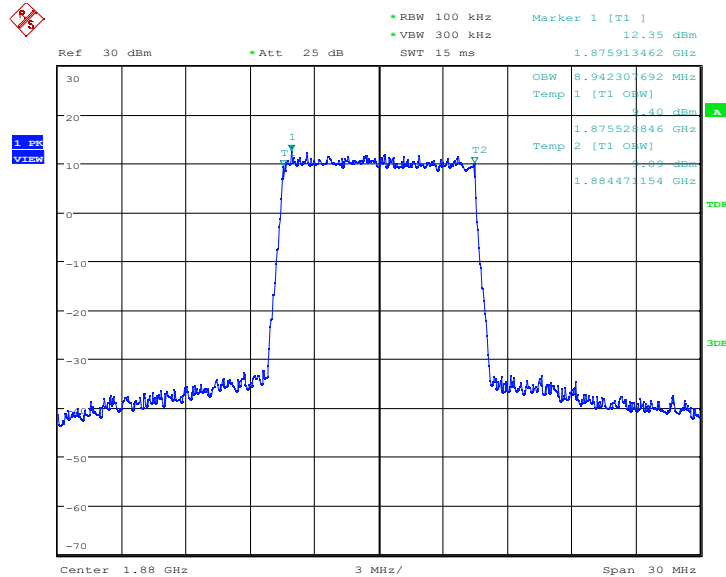
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LTE band 2,10MHz(99%)

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

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

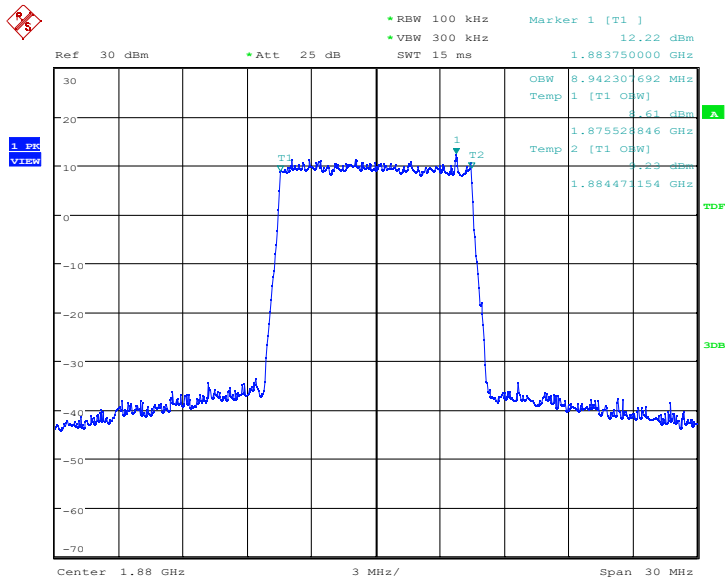


Date: 3.MAR.2022 05:53:34

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

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Date: 3.MAR.2022 05:53:57

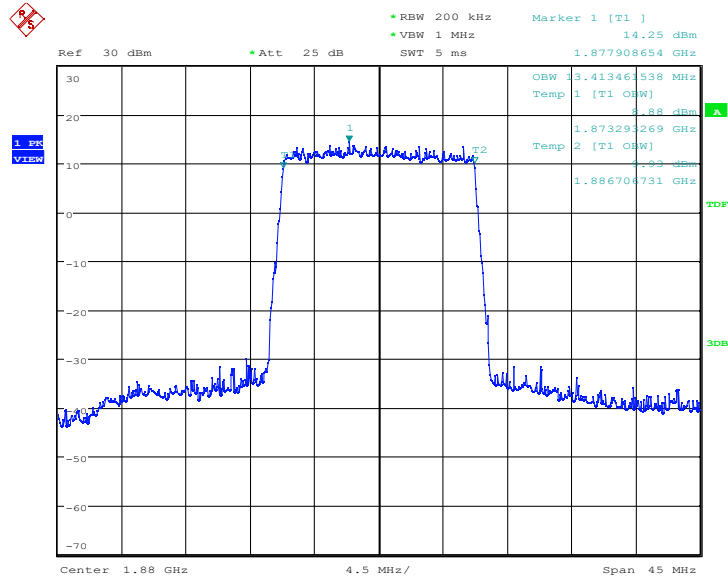
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LTE band 2,15MHz(99%)

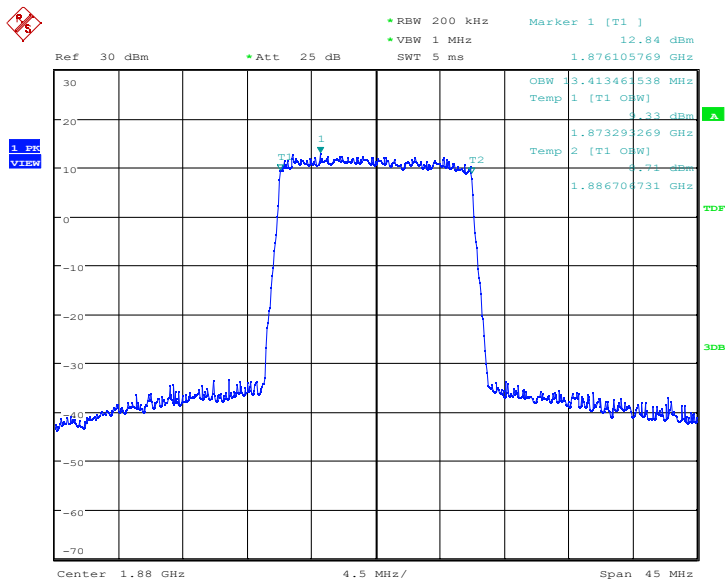
Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1880	13.413	13.413

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



Date: 3.MAR.2022 05:54:27

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

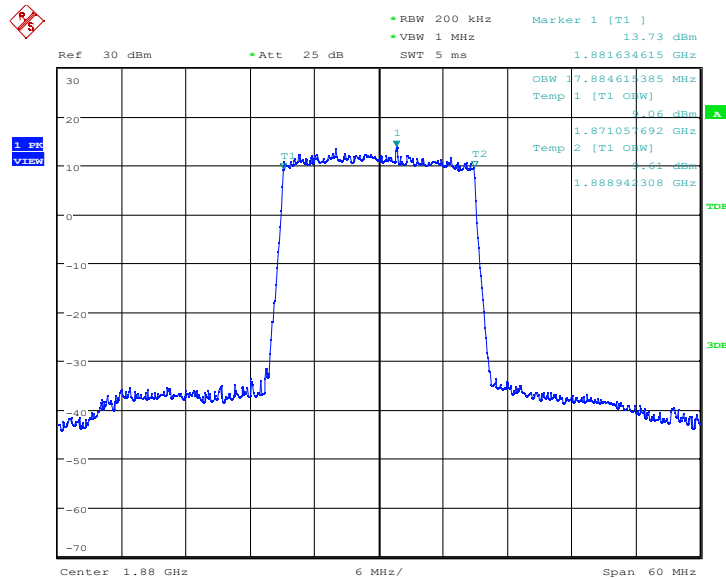


Date: 3.MAR.2022 05:54:52

LTE band 2,20MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1880	17.885	17.885

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

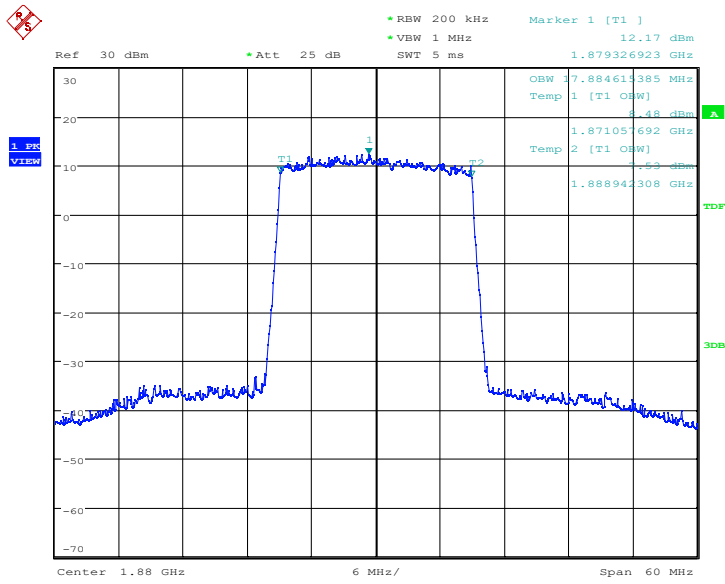


Date: 3.MAR.2022 05:55:20

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

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Date: 3.MAR.2022 05:55:43

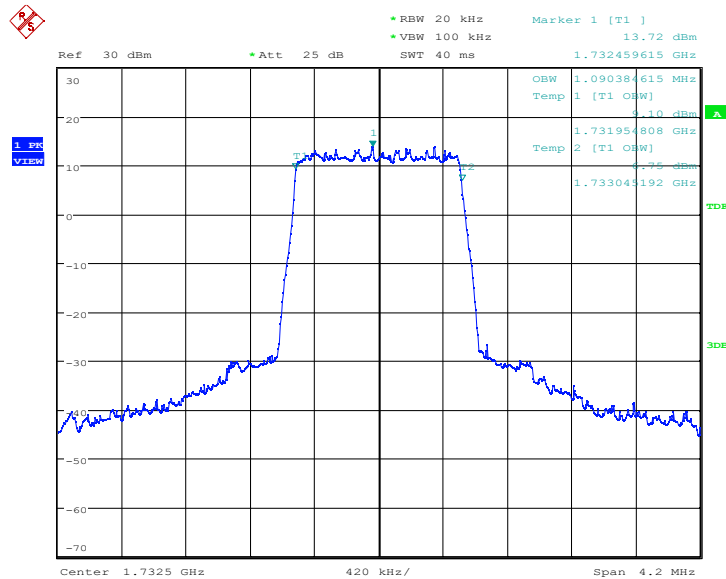
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LTE band 4,1.4MHz(99%)

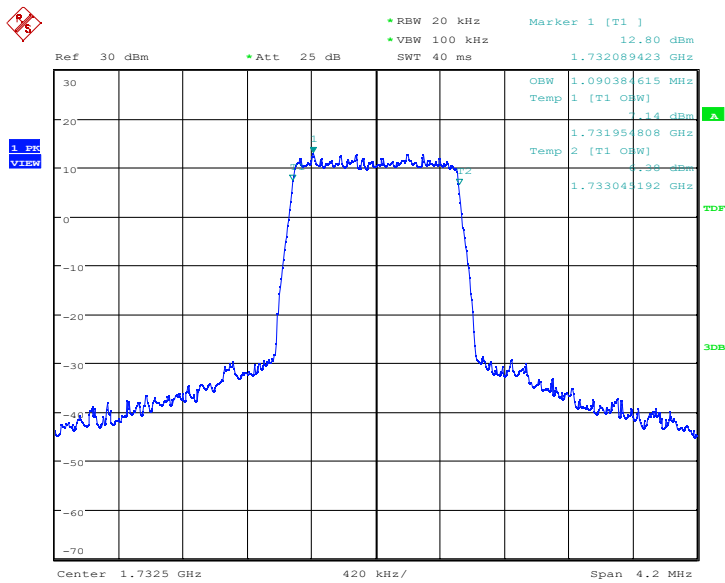
Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1732.5	1.090	1.090

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



Date: 3.MAR.2022 05:56:17

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

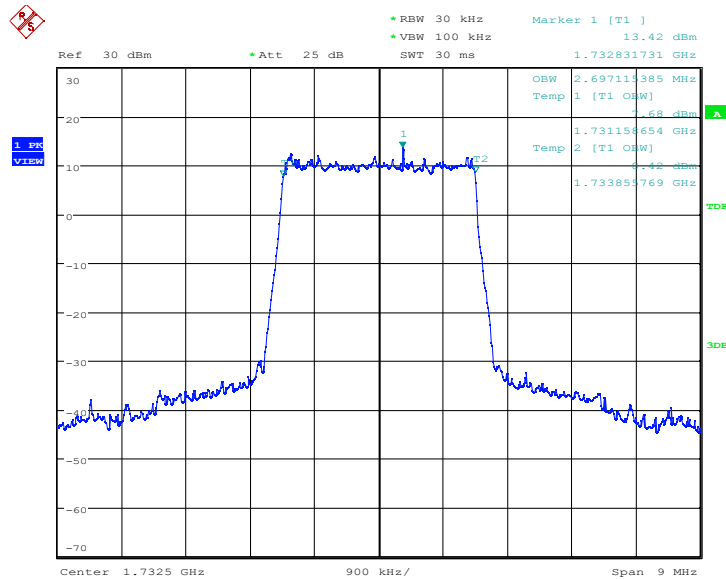


Date: 3.MAR.2022 05:56:39

LTE band 4,3MHz(99%)

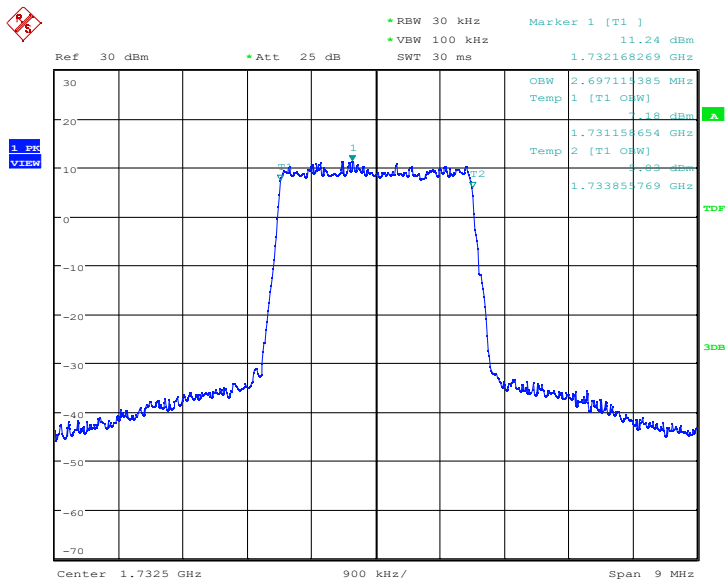
Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1732.5	2.697	2.697

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



Date: 3.MAR.2022 05:57:11

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

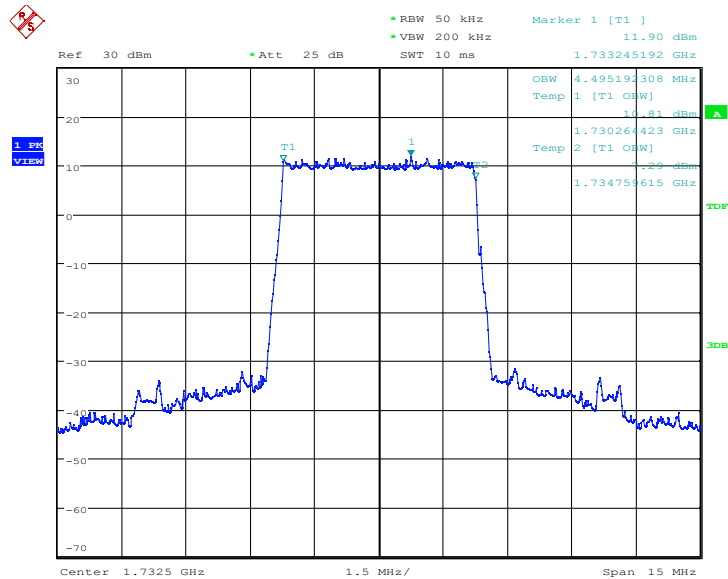


Date: 3.MAR.2022 05:57:33

LTE band 4,5MHz(99%)

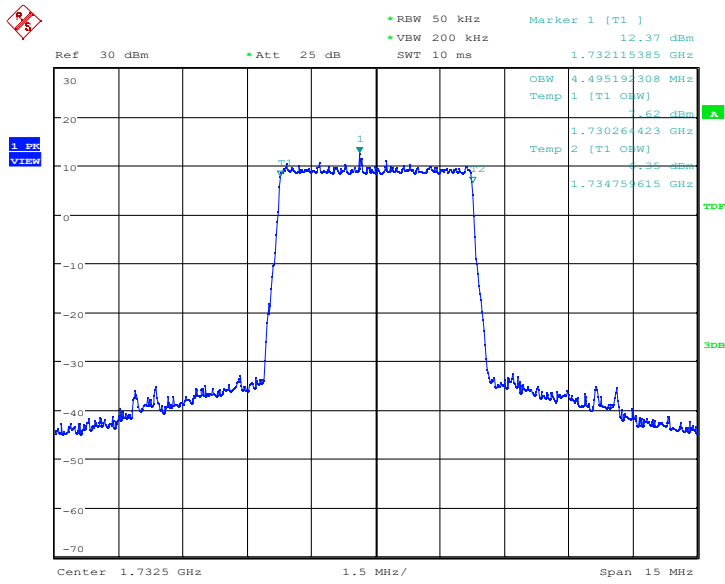
Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1732.5	4.495	4.495

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



Date: 3.MAR.2022 05:58:02

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



Date: 3.MAR.2022 05:58:27

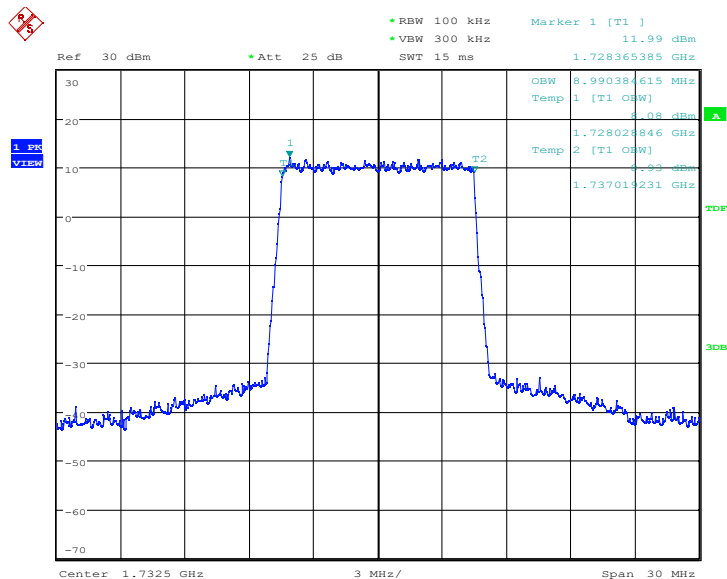
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LTE band 4,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1732.5	8.990	8.942

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

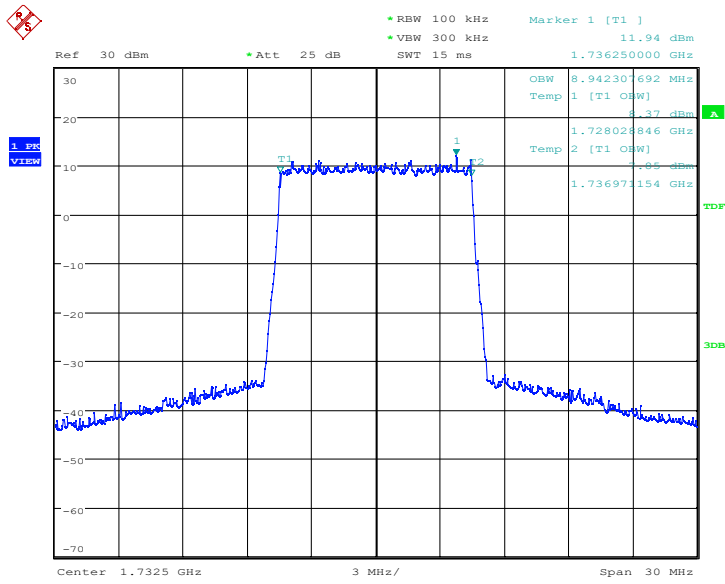


Date: 3.MAR.2022 05:58:57

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

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Date: 3.MAR.2022 05:59:26

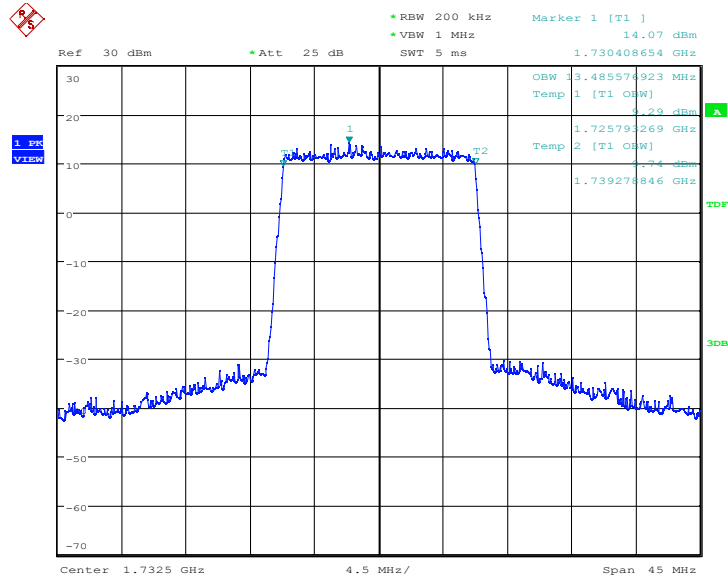
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LTE band 4,15MHz(99%)

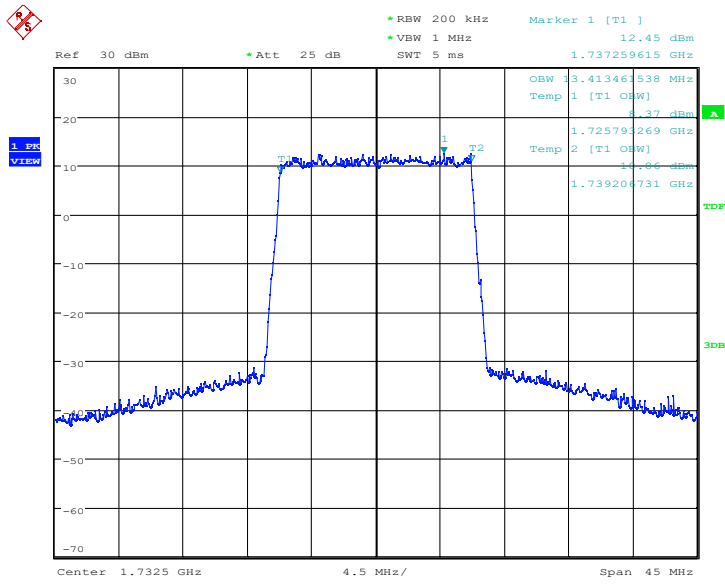
Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1732.5	13.486	13.413

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



Date: 3.MAR.2022 05:59:58

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

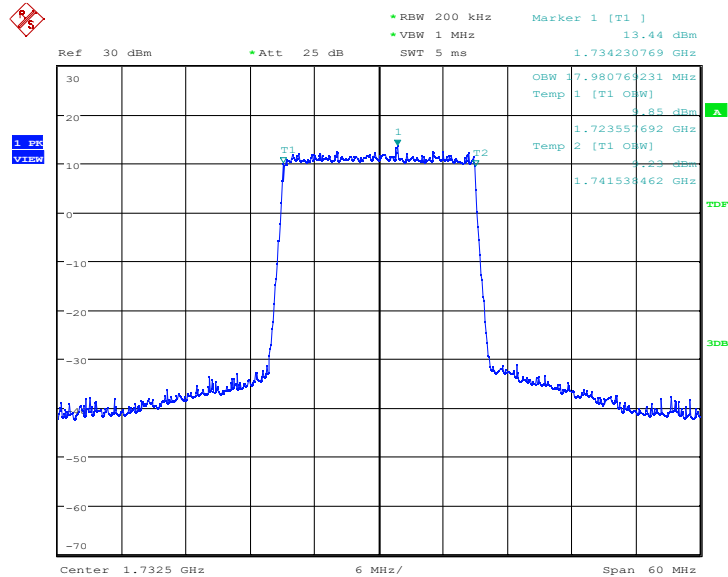


Date: 3.MAR.2022 06:00:31

LTE band 4,20MHz(99%)

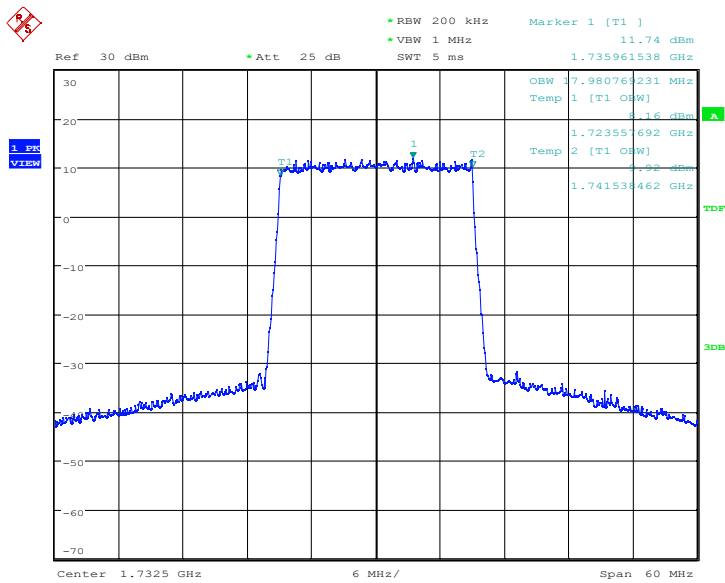
Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1732.5	17.981	17.981

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



Date: 3.MAR.2022 06:01:03

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



Date: 3.MAR.2022 06:01:33

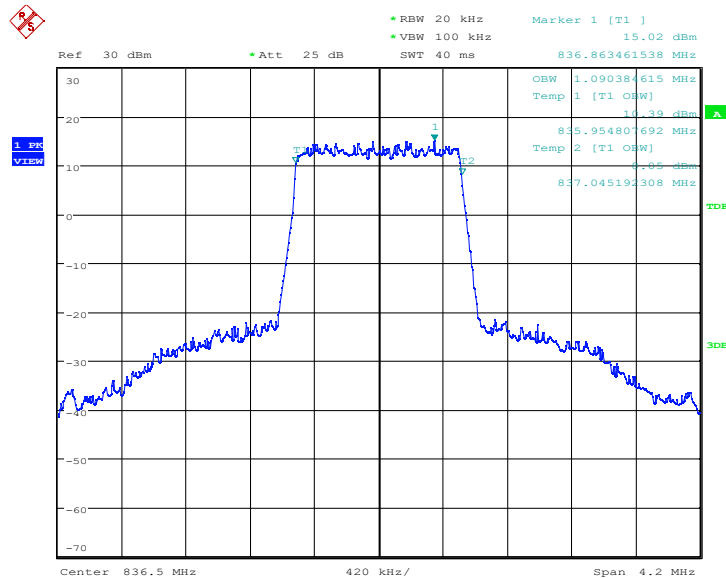
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LTE band 5,1.4MHz(99%)

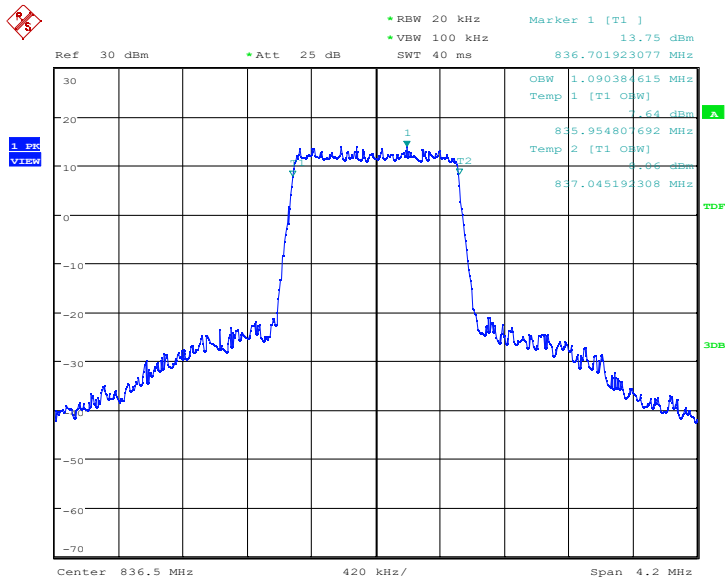
Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
836.5	1.090	1.090

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



Date: 3.MAR.2022 06:02:29

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

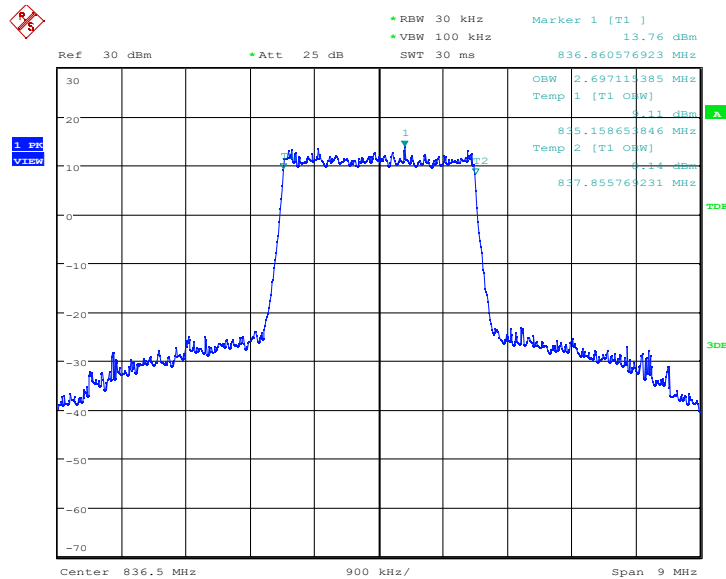


Date: 3.MAR.2022 06:02:55

LTE band 5,3MHz(99%)

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

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

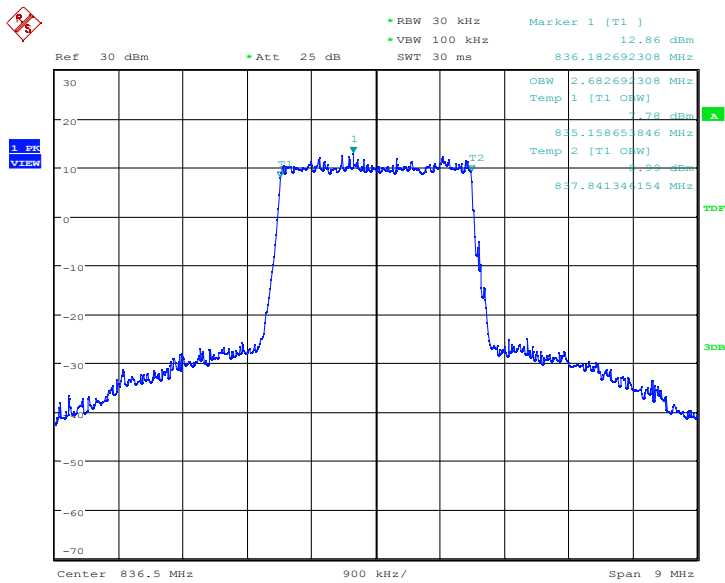


Date: 3.MAR.2022 06:03:25

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

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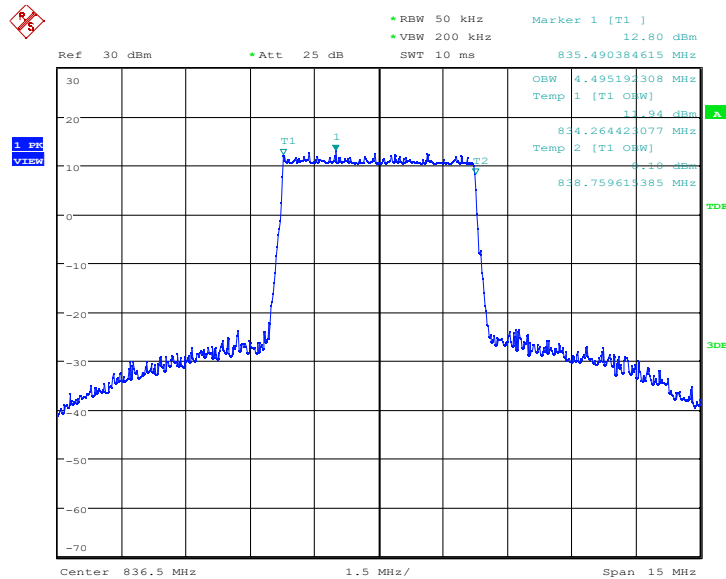


Date: 3.MAR.2022 06:03:54

LTE band 5,5MHz(99%)

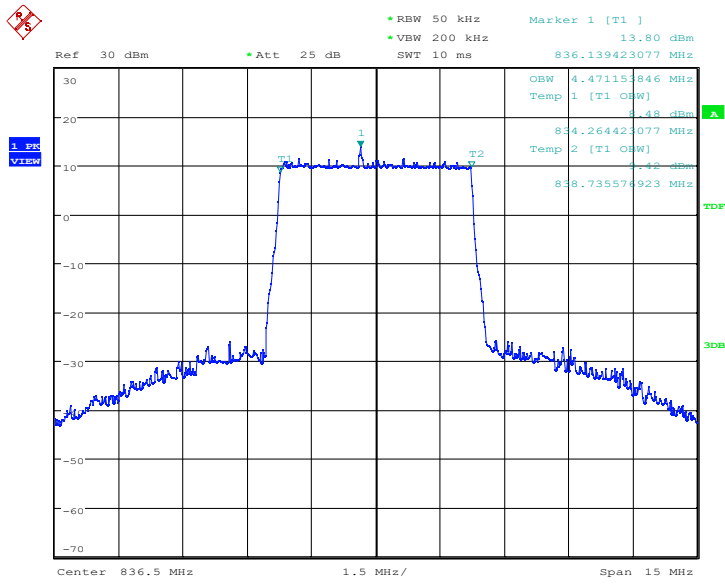
Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
836.5	4.495	4.471

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



Date: 3.MAR.2022 06:04:25

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

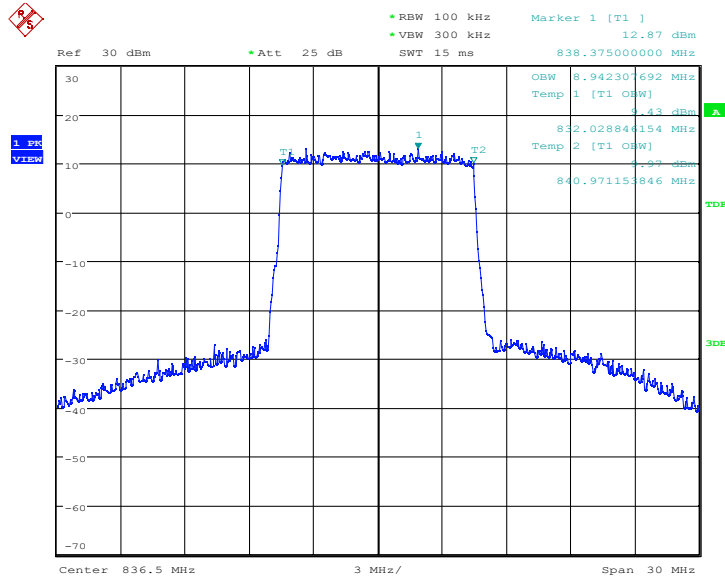


Date: 3.MAR.2022 06:04:59

LTE band 5,10MHz(99%)

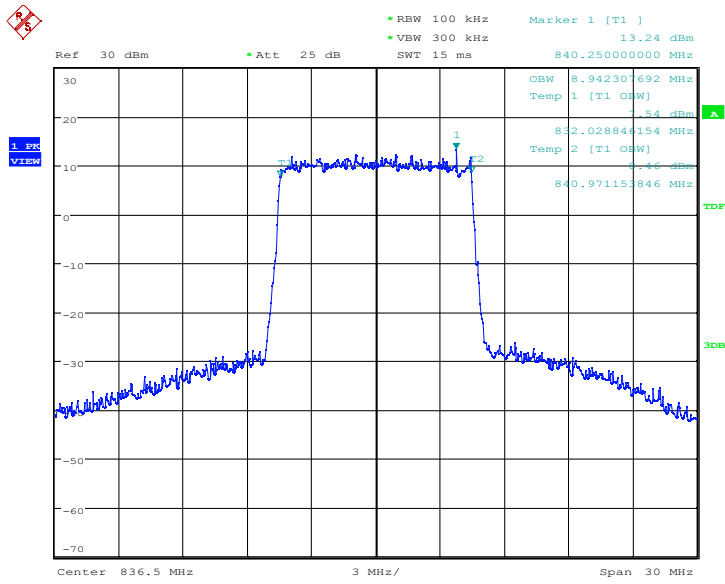
Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
836.5	8.942	8.942

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



Date: 3.MAR.2022 06:05:37

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



Date: 3.MAR.2022 06:06:07

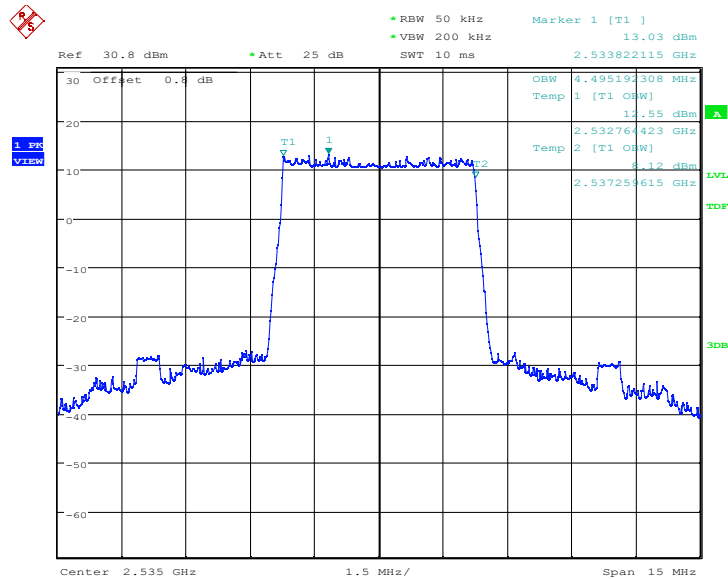
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LTE band 7,5MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
2535	4.495	4.471

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

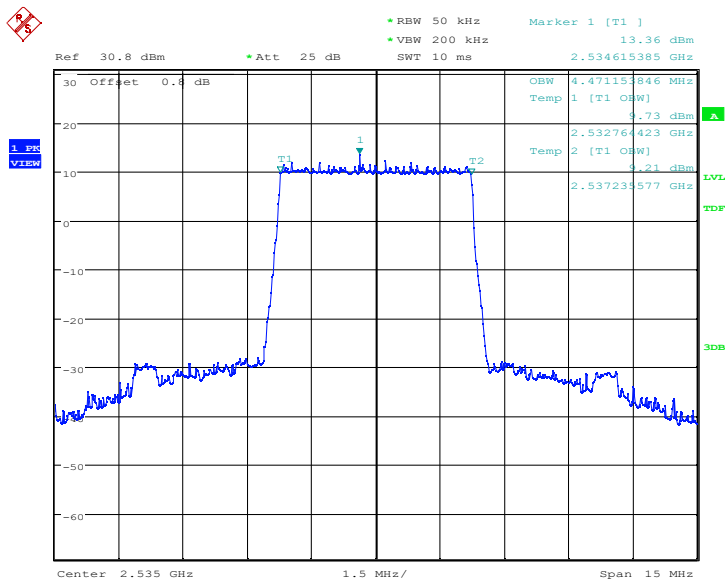


Date: 4.MAR.2022 05:05:54

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

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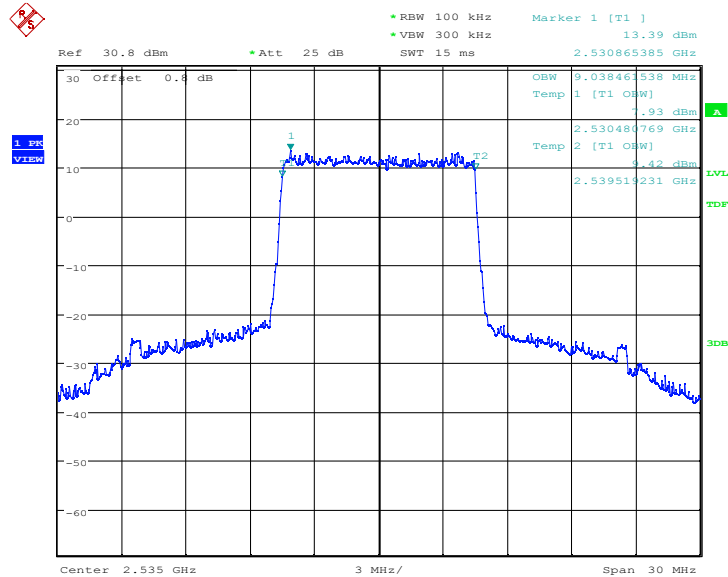


Date: 4.MAR.2022 05:06:19

LTE band 7,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
2535	9.038	8.942

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

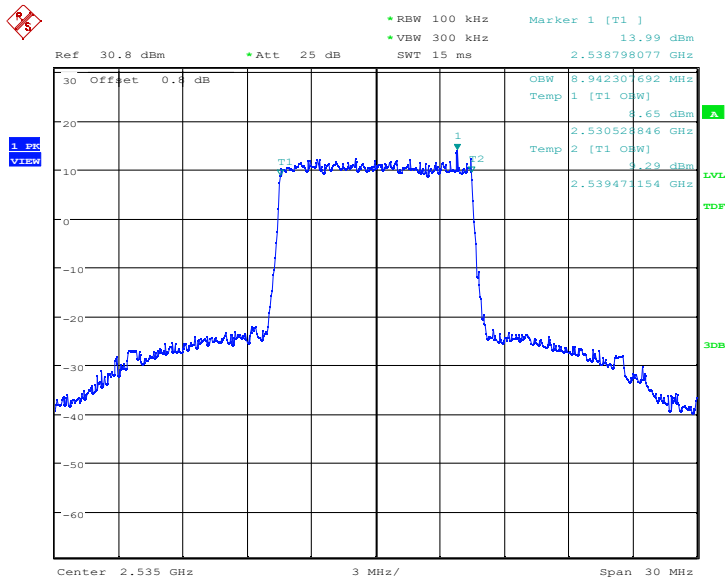


Date: 4.MAR.2022 05:06:47

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

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Date: 4.MAR.2022 05:07:13

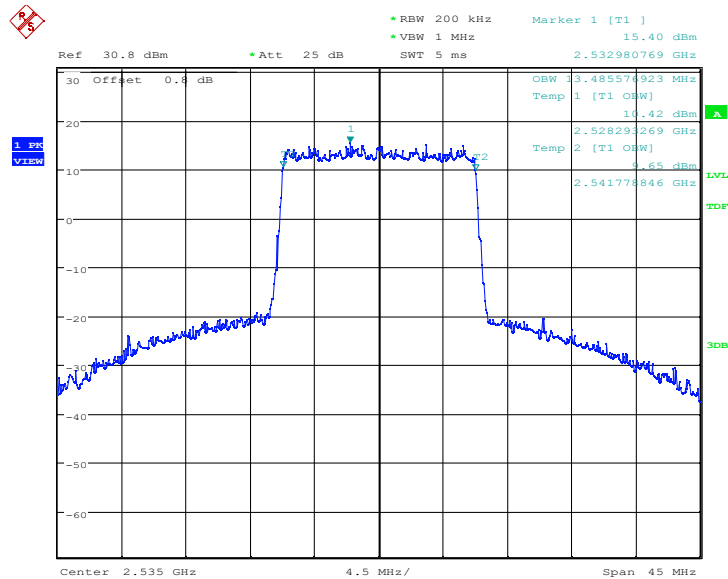
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LTE band 7,15MHz(99%)

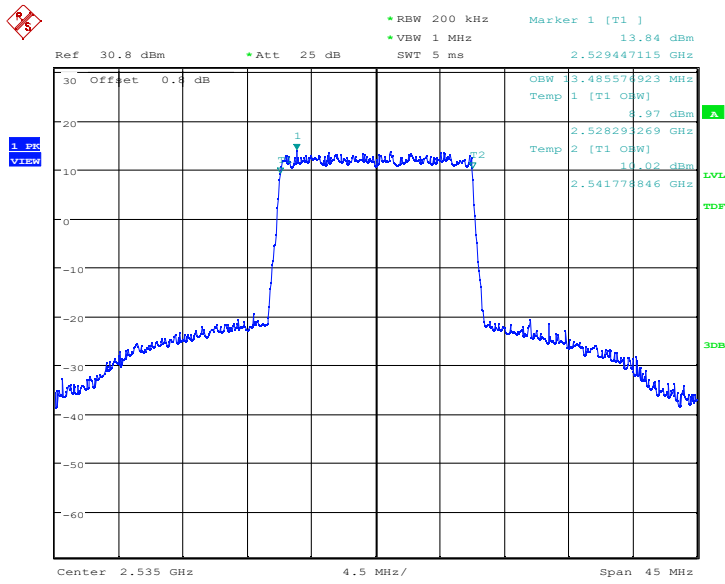
Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
2535	13.486	13.486

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



Date: 4.MAR.2022 05:07:44

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

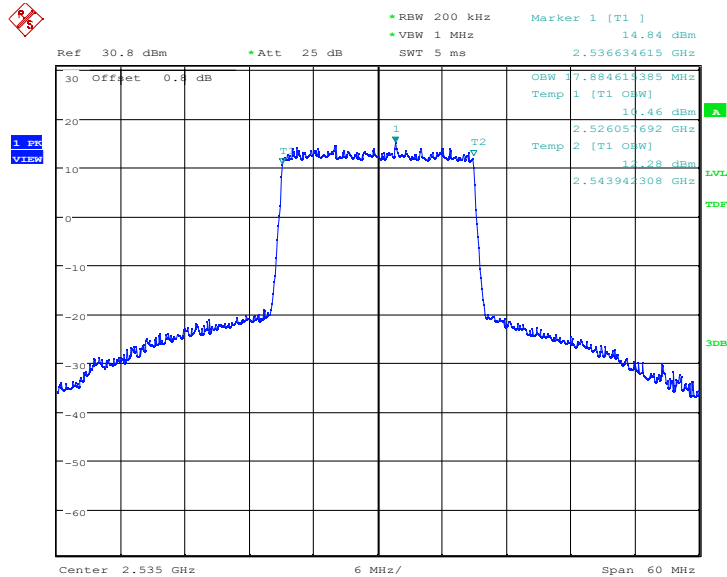


Date: 4.MAR.2022 05:08:10

LTE band 7,20MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
2535	17.885	17.981

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

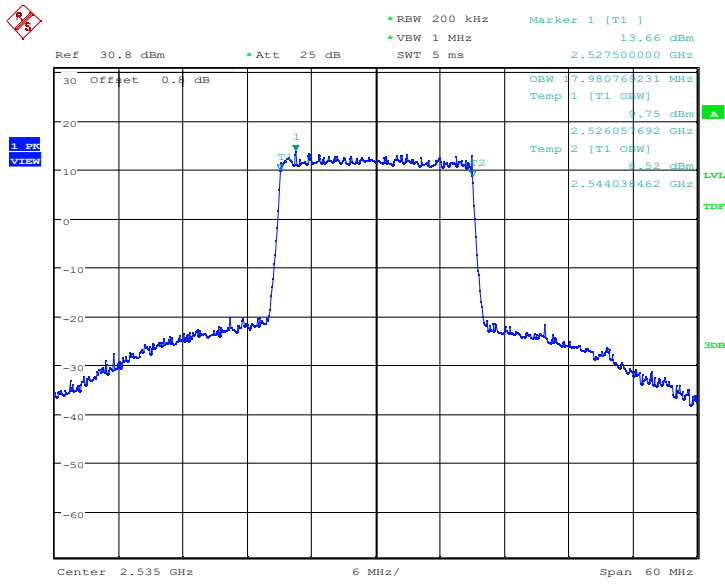


Date: 4.MAR.2022 05:08:40

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

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Date: 4.MAR.2022 05:09:03

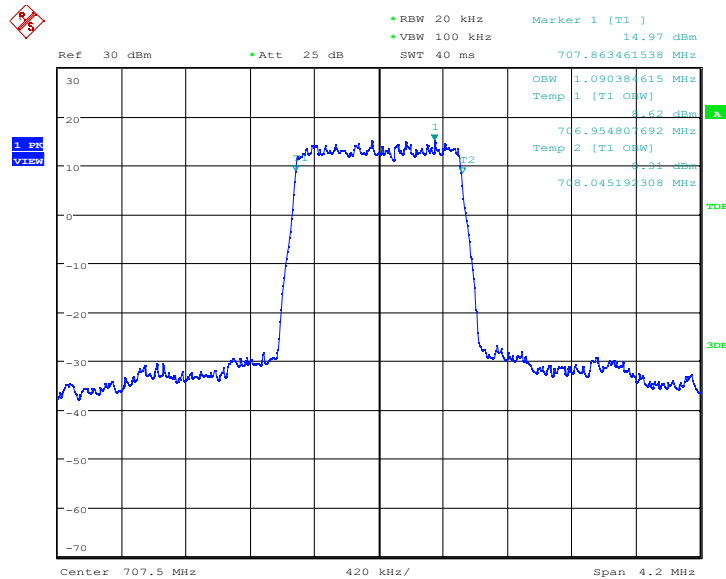
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LTE band 12,1.4MHz(99%)

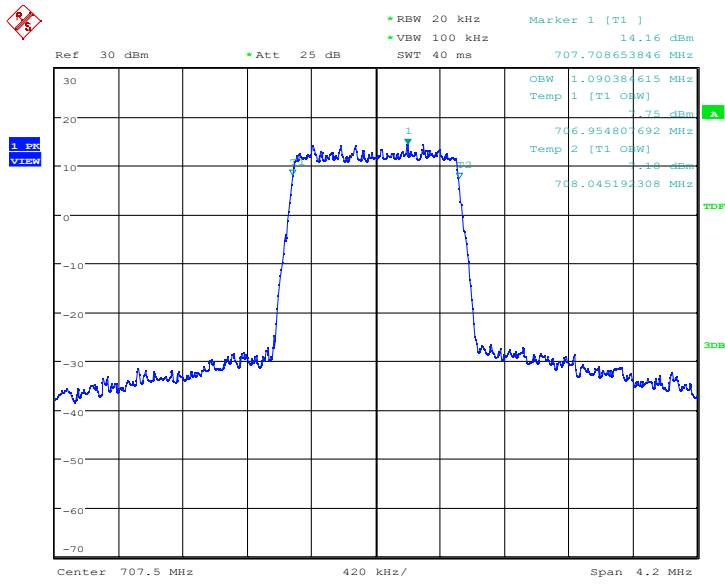
Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
707.5	1.090	1.090

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



Date: 4.MAR.2022 05:09:58

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

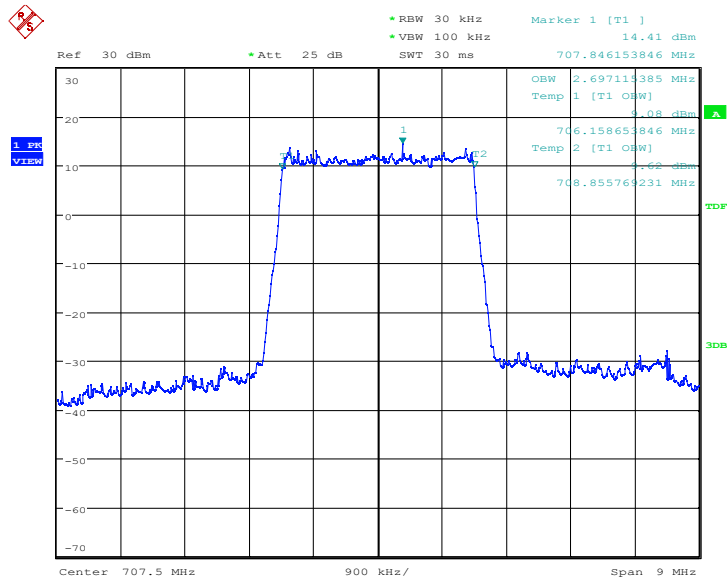


Date: 4.MAR.2022 05:10:24

LTE band 12,3MHz(99%)

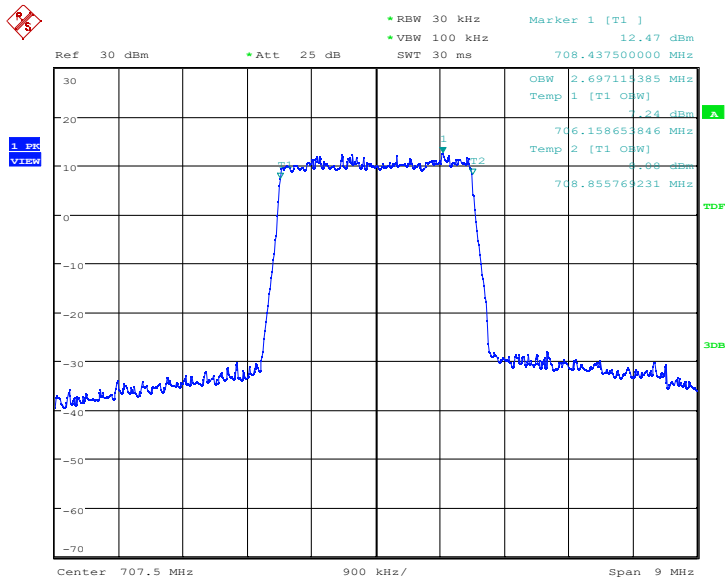
Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
707.5	2.697	2.697

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



Date: 4.MAR.2022 05:10:55

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

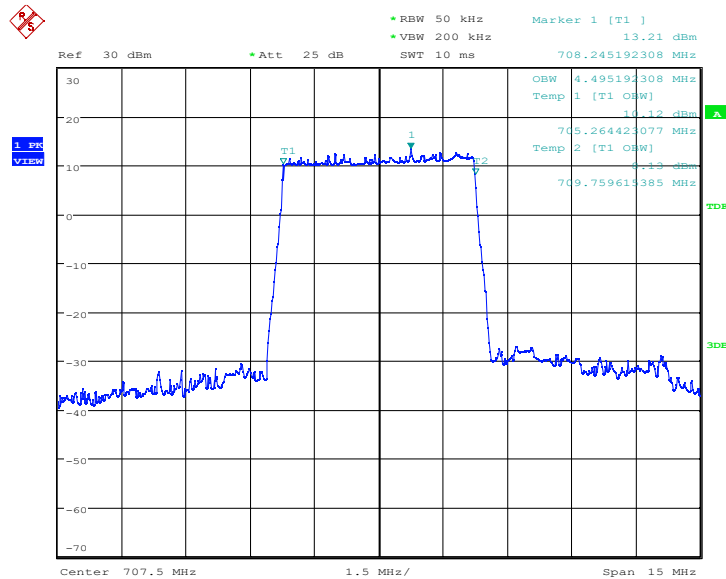


Date: 4.MAR.2022 05:11:21

LTE band 12,5MHz(99%)

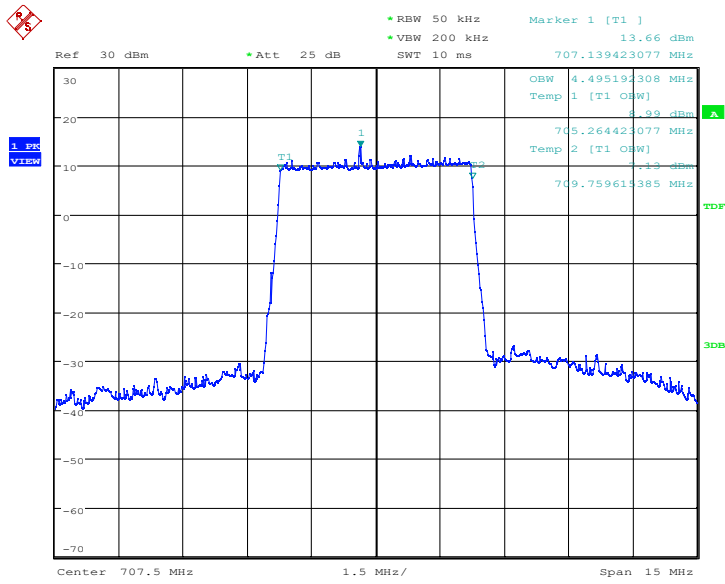
Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
707.5	4.495	4.495

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



Date: 4.MAR.2022 05:11:51

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

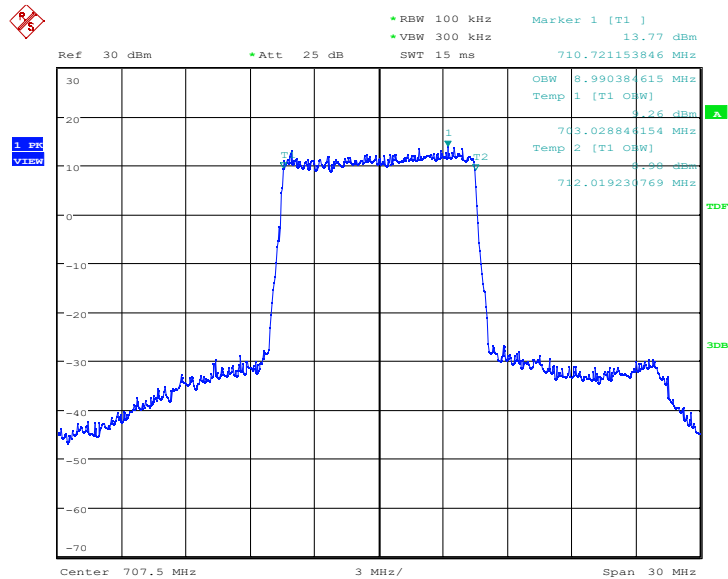


Date: 4.MAR.2022 05:12:15

LTE band 12,10MHz(99%)

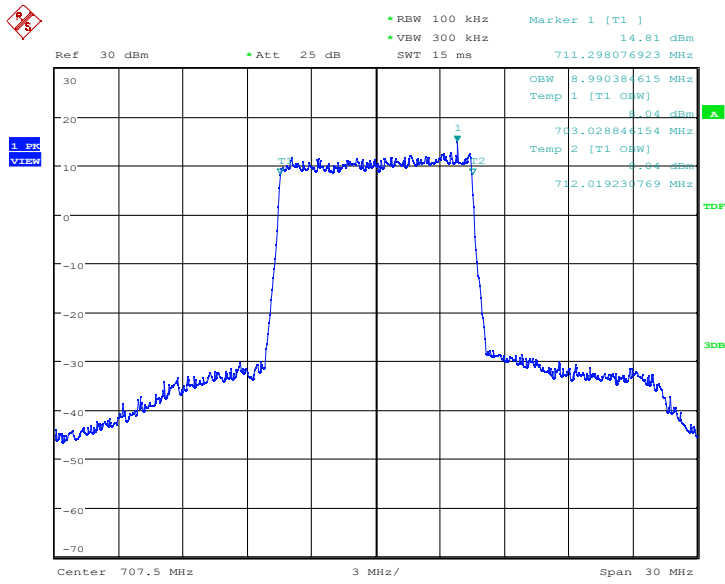
Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
707.5	8.990	8.990

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



Date: 4.MAR.2022 05:12:45

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



Date: 4.MAR.2022 05:13:12

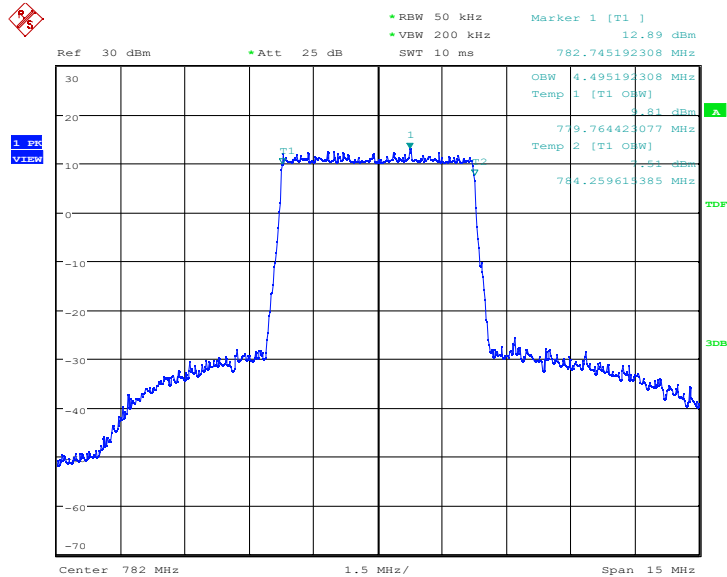
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LTE band 13,5MHz(99%)

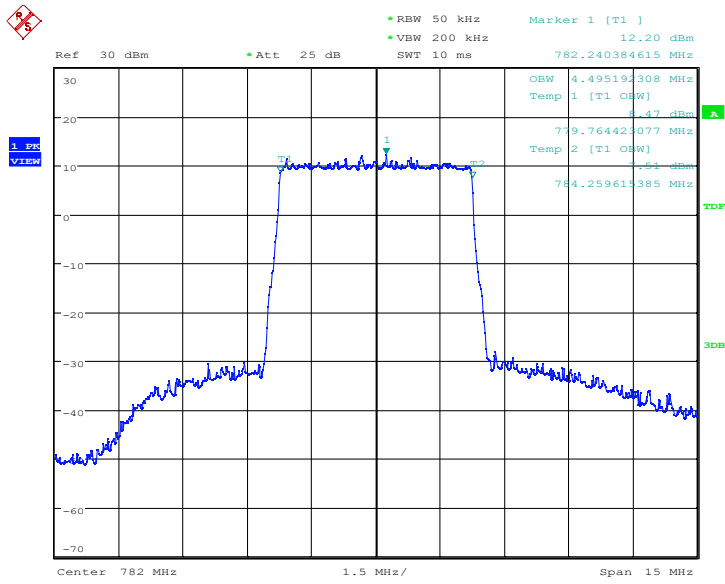
Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
782	4.495	4.495

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



Date: 4.MAR.2022 05:13:44

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



Date: 4.MAR.2022 05:14:09

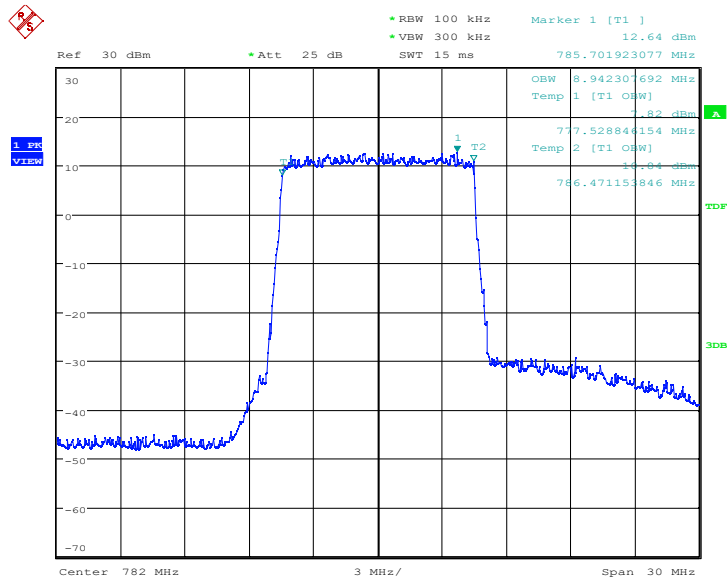
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LTE band 13,10MHz(99%)

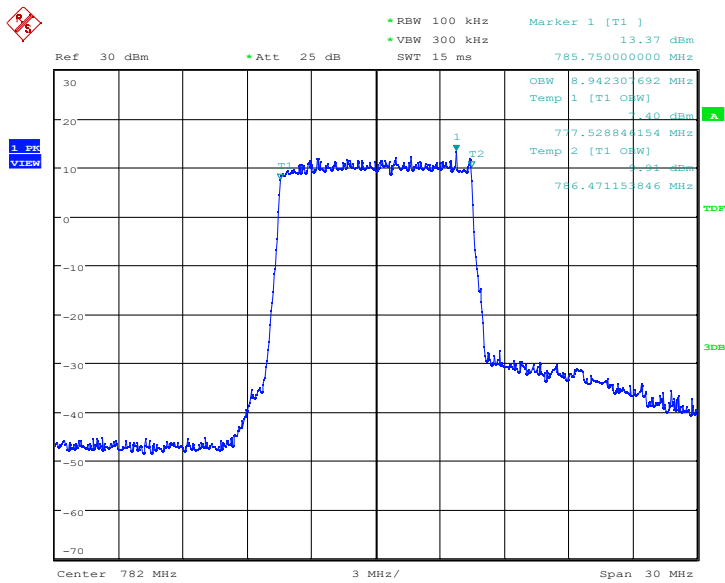
Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
782	8.942	8.942

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



Date: 4.MAR.2022 05:14:39

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



Date: 4.MAR.2022 05:15:03

LTE band 14,5MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
793	4.495	4.471

LTE band 14 , 5MHz Bandwidth,QPSK (99% BW)

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• RBW 50 kHz
 • VBW 200 kHz
 • SWT 10 ms

Ref 30 dBm
 • Att 25 dB

Marker 1 [T1]
 12.83 dBm
 791.966346154 MHz

1. dB
 VIEW

T1
 1
 T2

OBW 4.495193308 MHz
 Temp 1 [T1 OBW]
 16.75 dBm
 750.764428077 MHz
 Temp 2 [T1 OBW]
 17.88 dBm
 755.259613385 MHz

30 dBm
 20 dBm
 10 dBm
 0 dBm
 -10 dBm
 -20 dBm
 -30 dBm
 -40 dBm
 -50 dBm
 -60 dBm
 -70 dBm

Center 793 MHz
 1.5 MHz/
 Span 15 MHz

Ref 30 dBm
 • Att 25 dB
 • RBW 50 kHz
 • VBW 200 kHz
 SWT 10 ms
 Marker 1 [T1]
 13.79 dBm
 792.639423077 MHz

1. dB
 VIEW

30
 20
 10
 0
 -10
 -20
 -30
 -40
 -50
 -60
 -70

T1
 1
 T2

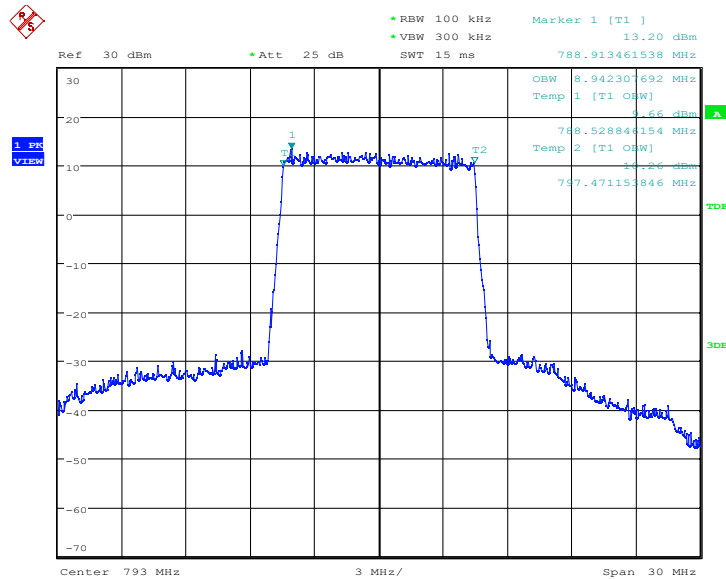
OBW 4.471158846 MHz
 Temp 1 [T1 OBW]
 13.41 dBm
 790.764423077 MHz
 Temp 2 [T1 OBW]
 13.92 dBm
 795.235576923 MHz

1.5 MHz/
 Span 15 MHz
 Center 793 MHz

LTE band 14,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
793	8.942	8.942

LTE band 14 , 10MHz Bandwidth,QPSK (99% BW)

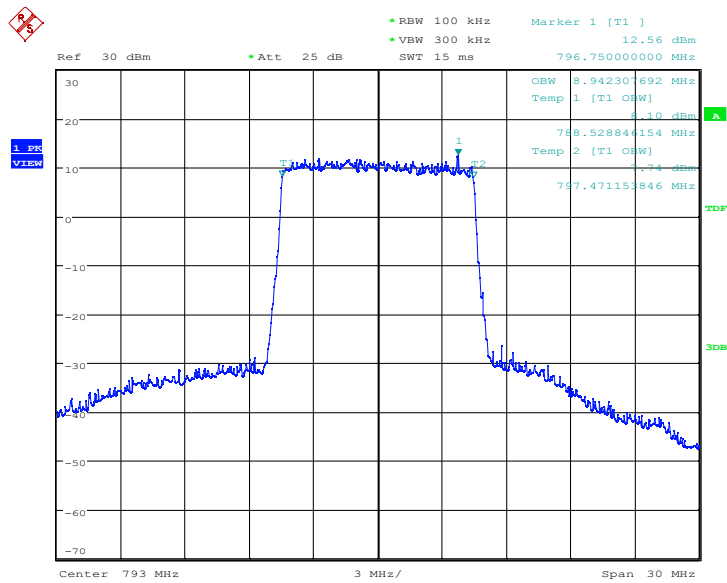


Date: 7.MAR.2022 18:26:05

LTE band 14 , 10MHz Bandwidth,16QAM (99% BW)

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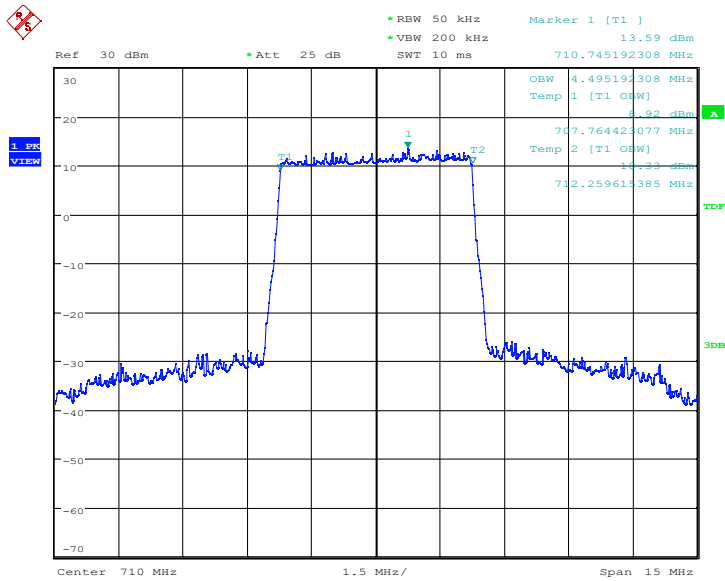


Date: 7.MAR.2022 18:26:30

LTE band 17,5MHz(99%)

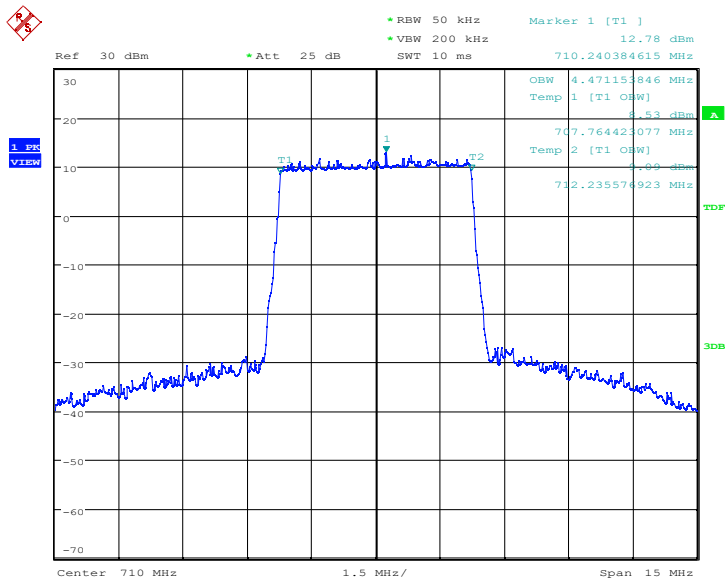
Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
710	4.495	4.471

LTE band 17 , 5MHz Bandwidth,QPSK (99% BW)



Date: 4.MAR.2022 05:15:41

LTE band 17 , 5MHz Bandwidth,16QAM (99% BW)



Date: 4.MAR.2022 05:16:10

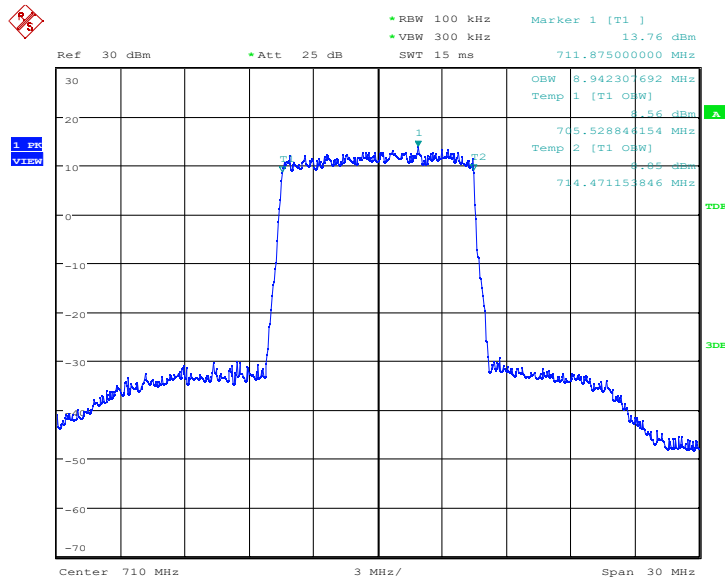
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LTE band 17,10MHz(99%)

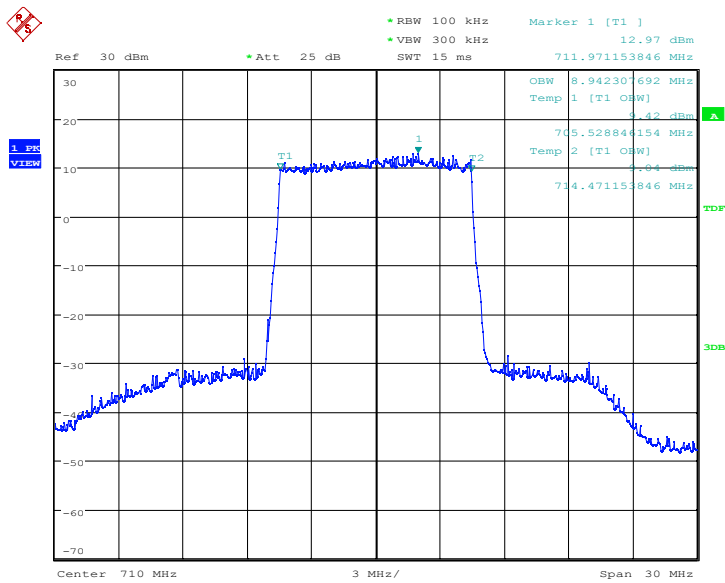
Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
710	8.942	8.942

LTE band 17 , 10MHz Bandwidth,QPSK (99% BW)



Date: 4.MAR.2022 05:16:44

LTE band 17 , 10MHz Bandwidth,16QAM (99% BW)



Date: 4.MAR.2022 05:17:14

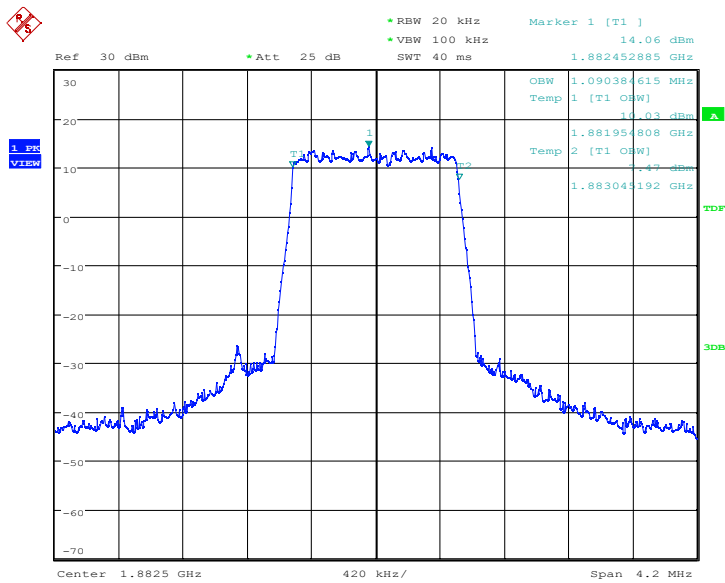
LTE band 25,1.4MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1882.5	1.090	1.090

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

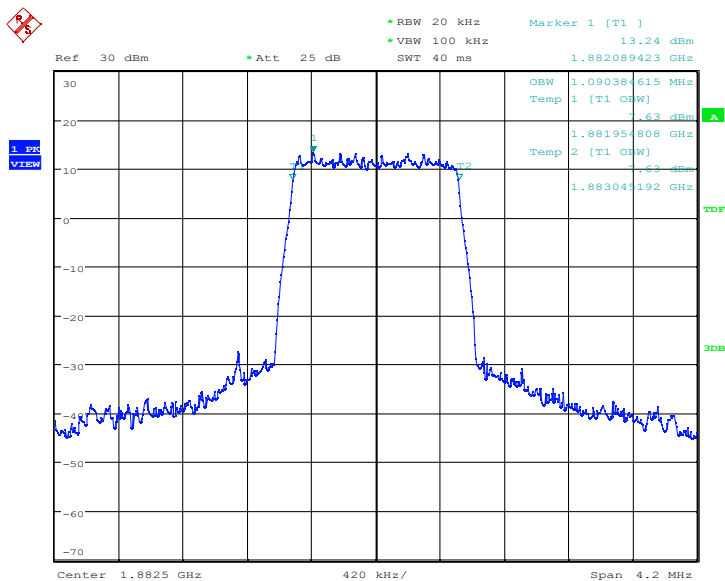
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Date: 7.MAR.2022 18:27:05

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



Date: 7.MAR.2022 18:27:27

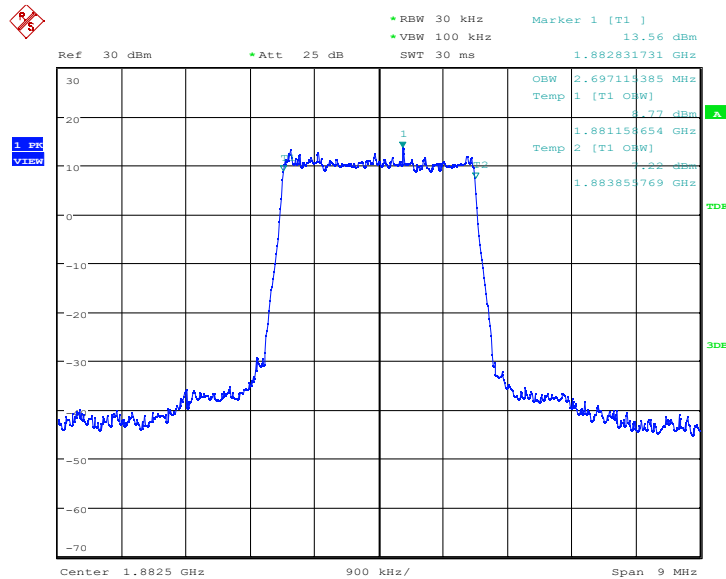
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LTE band 25,3MHz(99%)

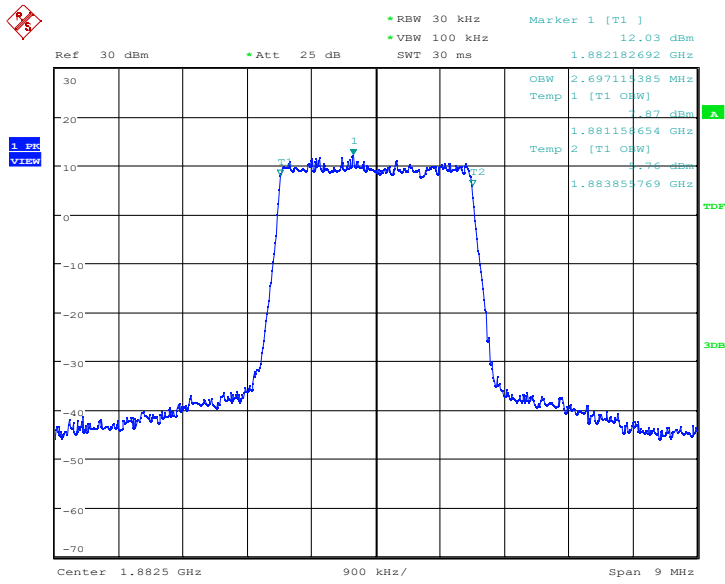
Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1882.5	2.697	2.697

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



Date: 7.MAR.2022 18:38:53

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



Date: 7.MAR.2022 18:39:17

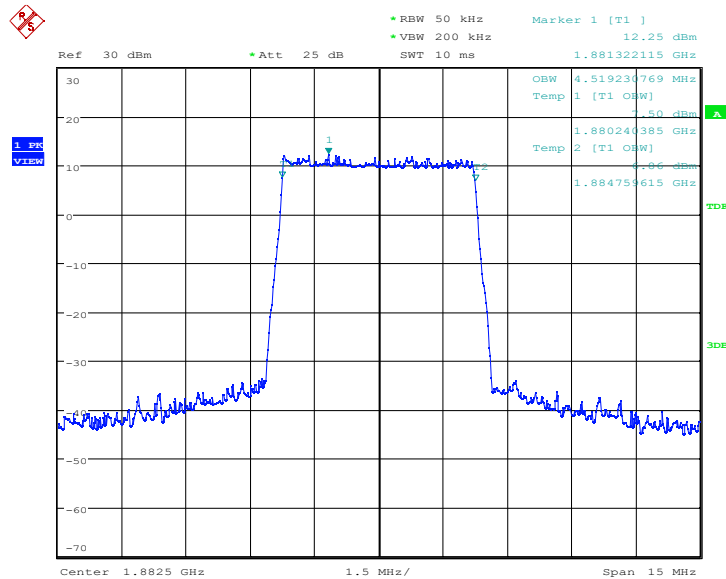
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LTE band 25,5MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1882.5	4.519	4.495

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

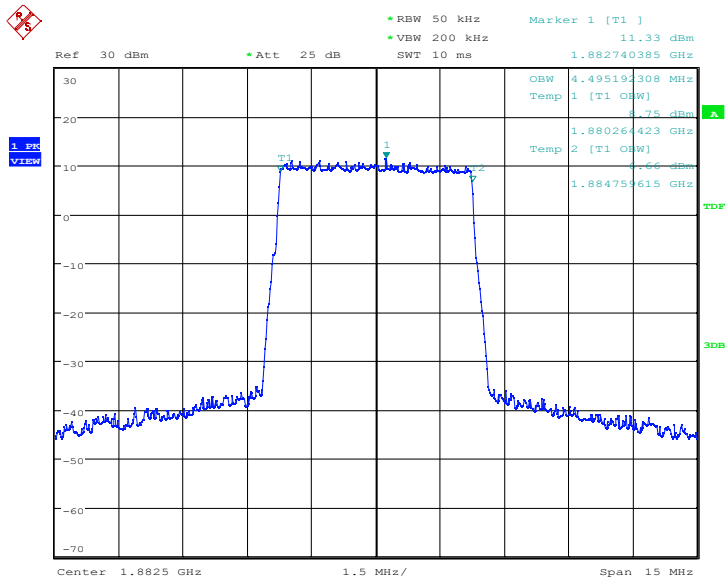


Date: 7.MAR.2022 18:39:45

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

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Date: 7.MAR.2022 18:40:07

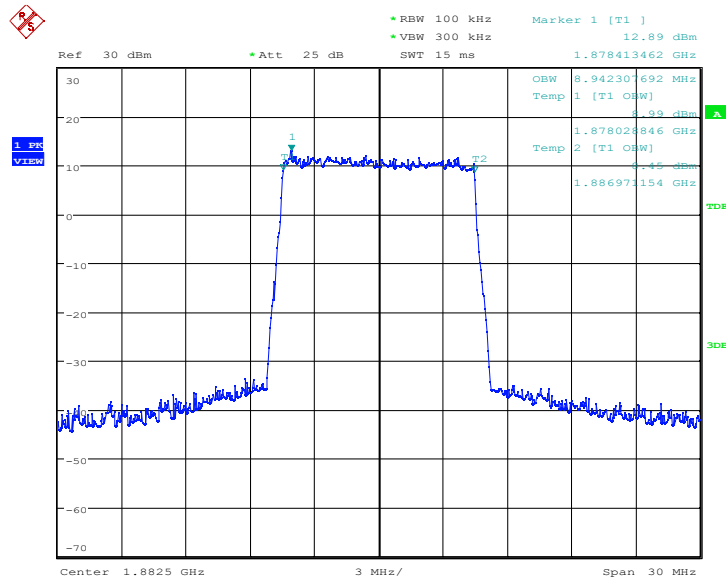
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LTE band 25,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1882.5	8.942	8.942

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

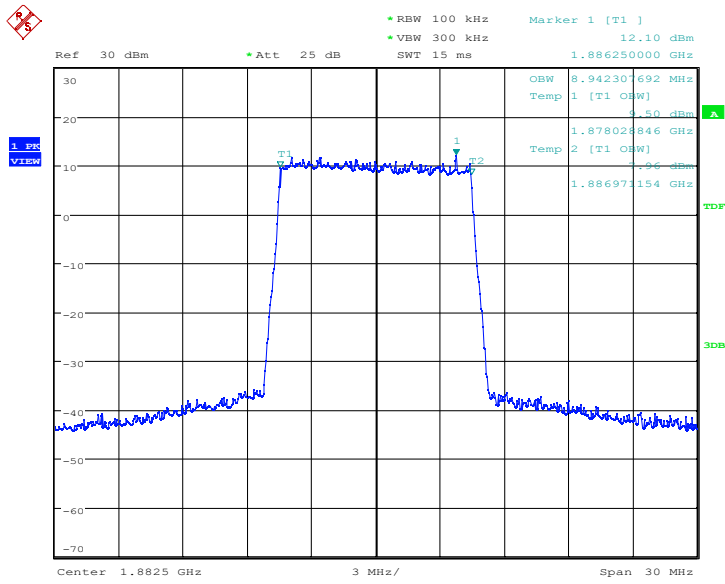


Date: 7.MAR.2022 18:40:37

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

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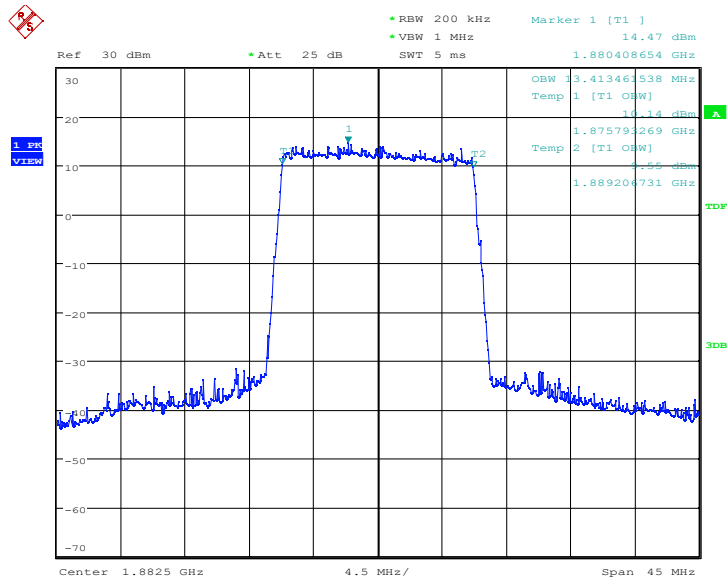


Date: 7.MAR.2022 18:41:00

LTE band 25,15MHz(99%)

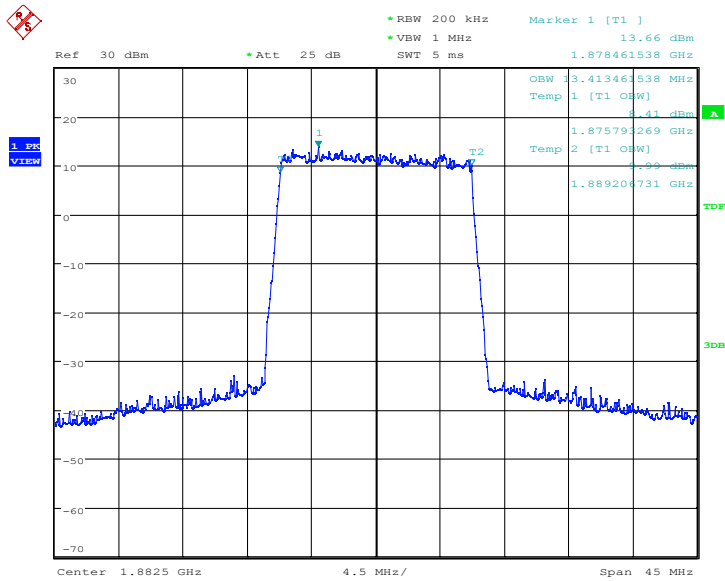
Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1882.5	13.413	13.413

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



Date: 7.MAR.2022 18:41:33

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



Date: 7.MAR.2022 18:42:03

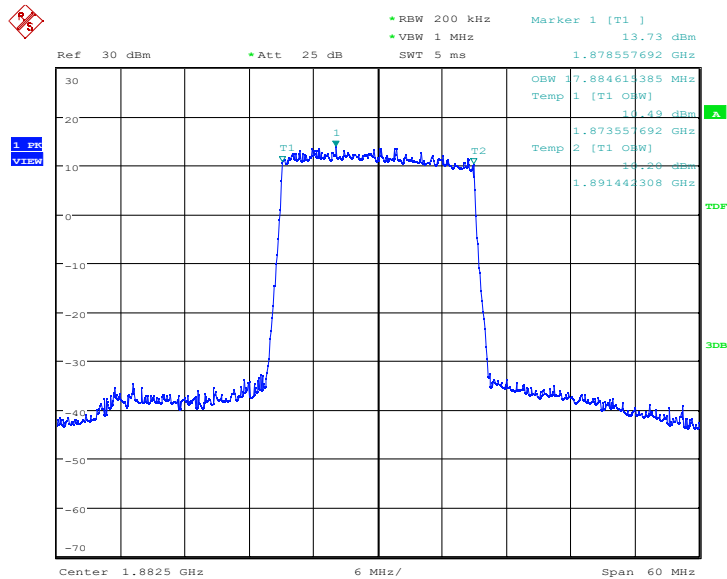
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LTE band 25,20MHz(99%)

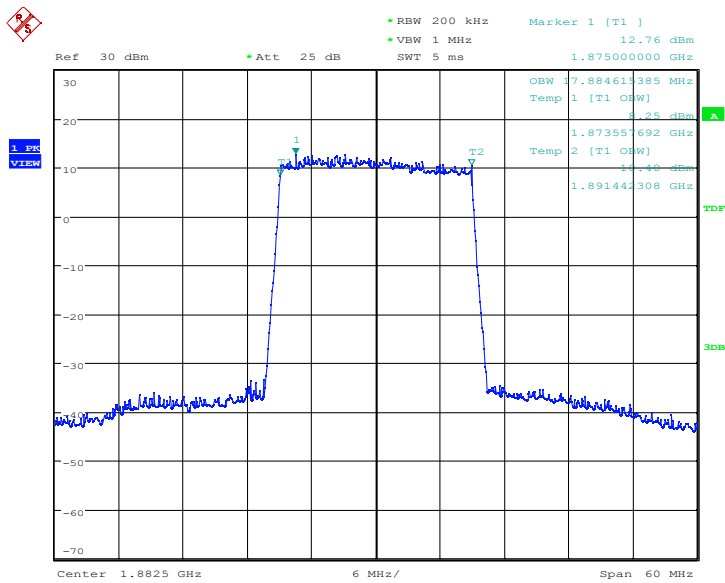
Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1882.5	17.885	17.885

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



Date: 7.MAR.2022 18:42:39

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



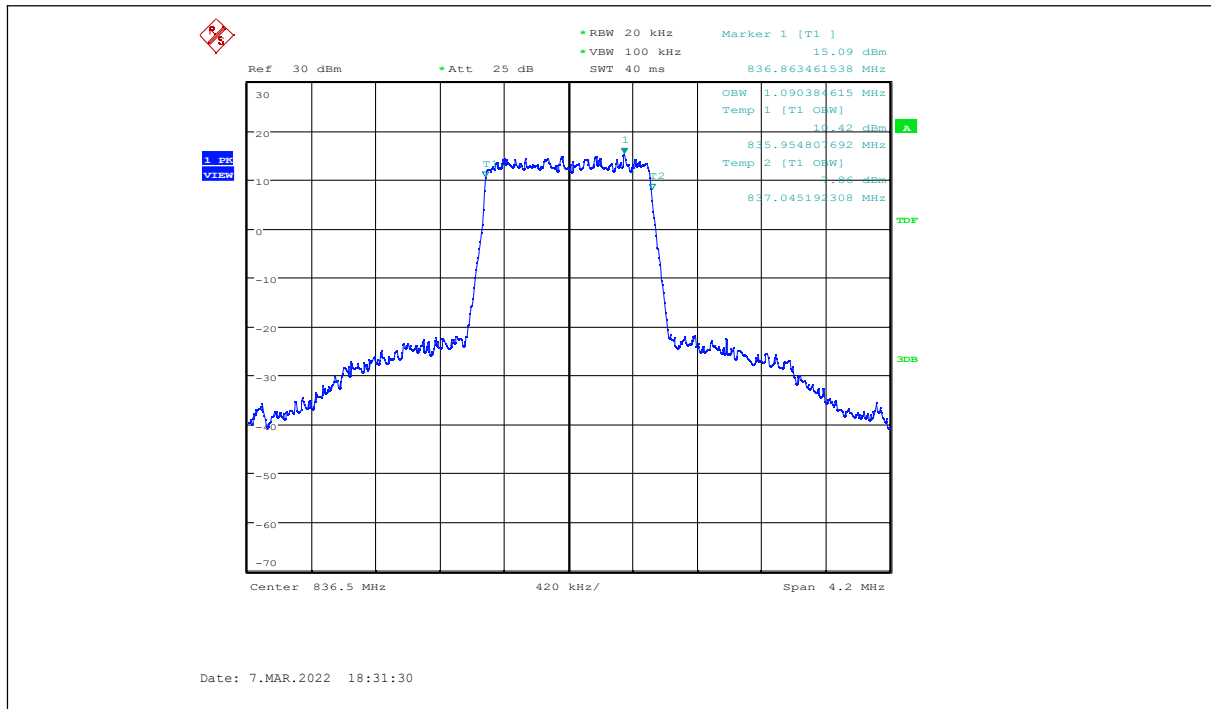
Date: 7.MAR.2022 18:43:09

LTE band 26,1.4MHz(99%)

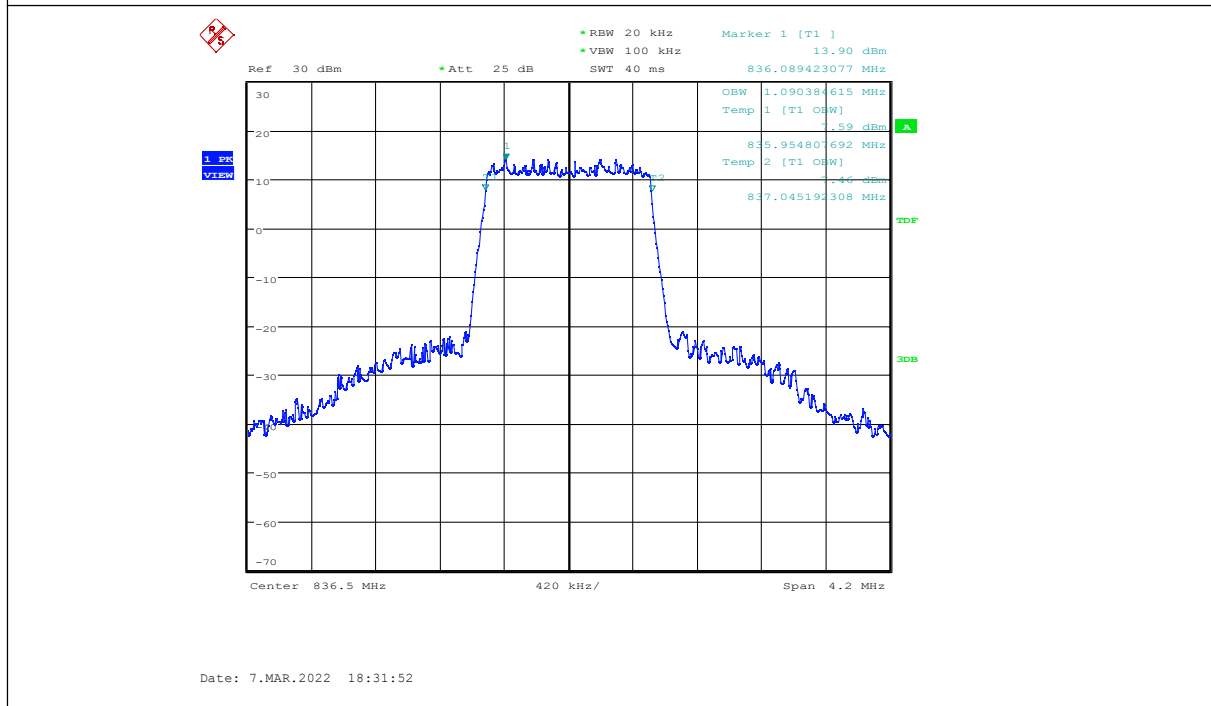
Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
836.5	1.090	1.090
LTE band 26 , 1.4MHz Bandwidth,QPSK (99% BW)		

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



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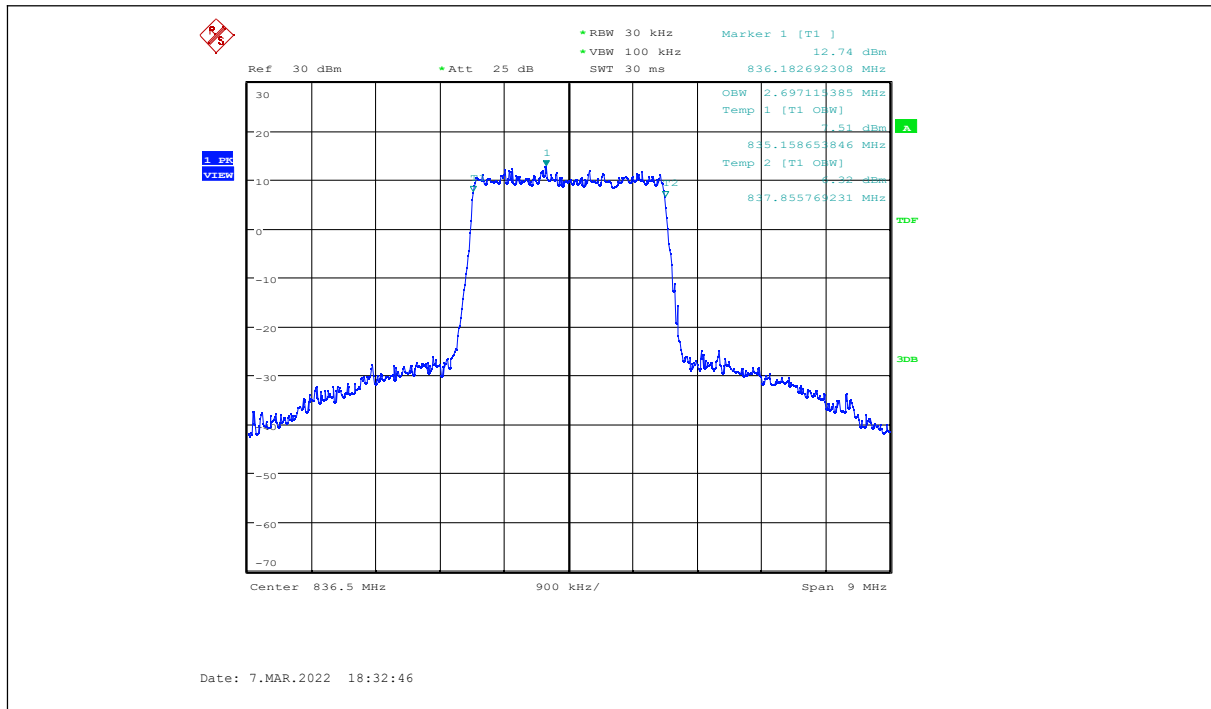
LTE band 26,3MHz(99%)

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



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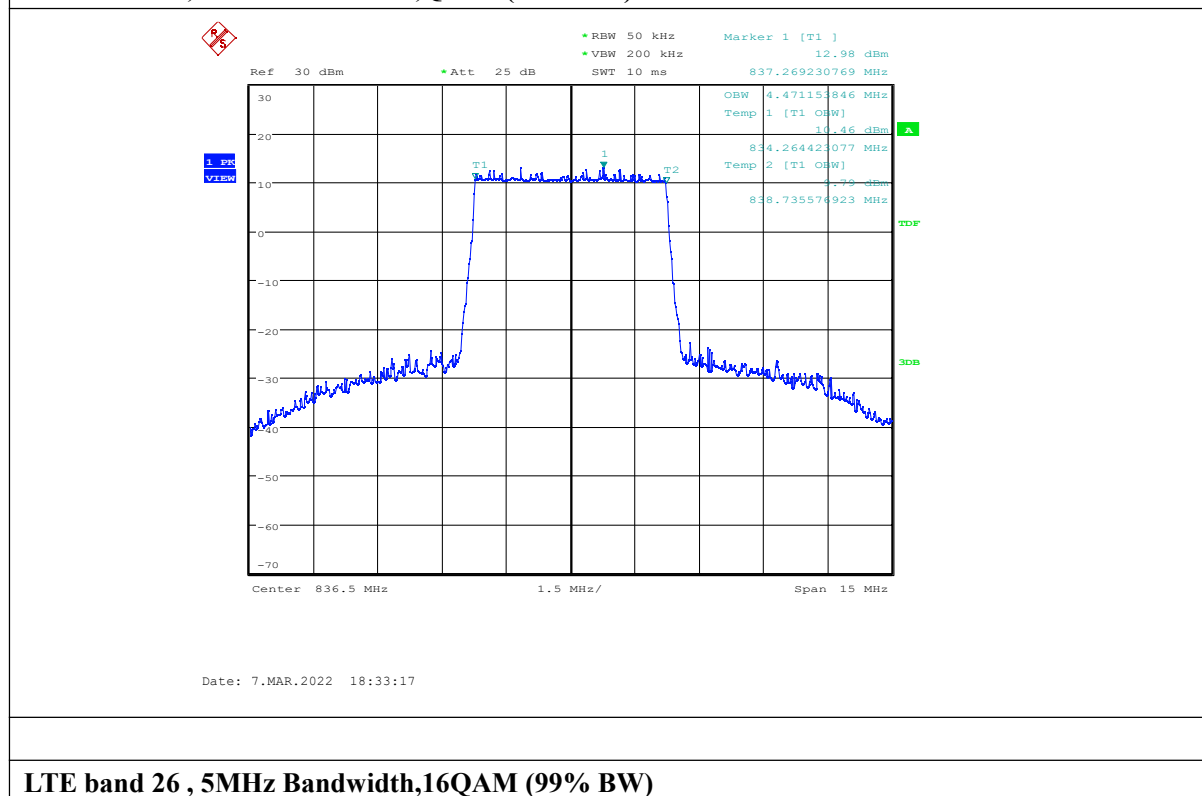
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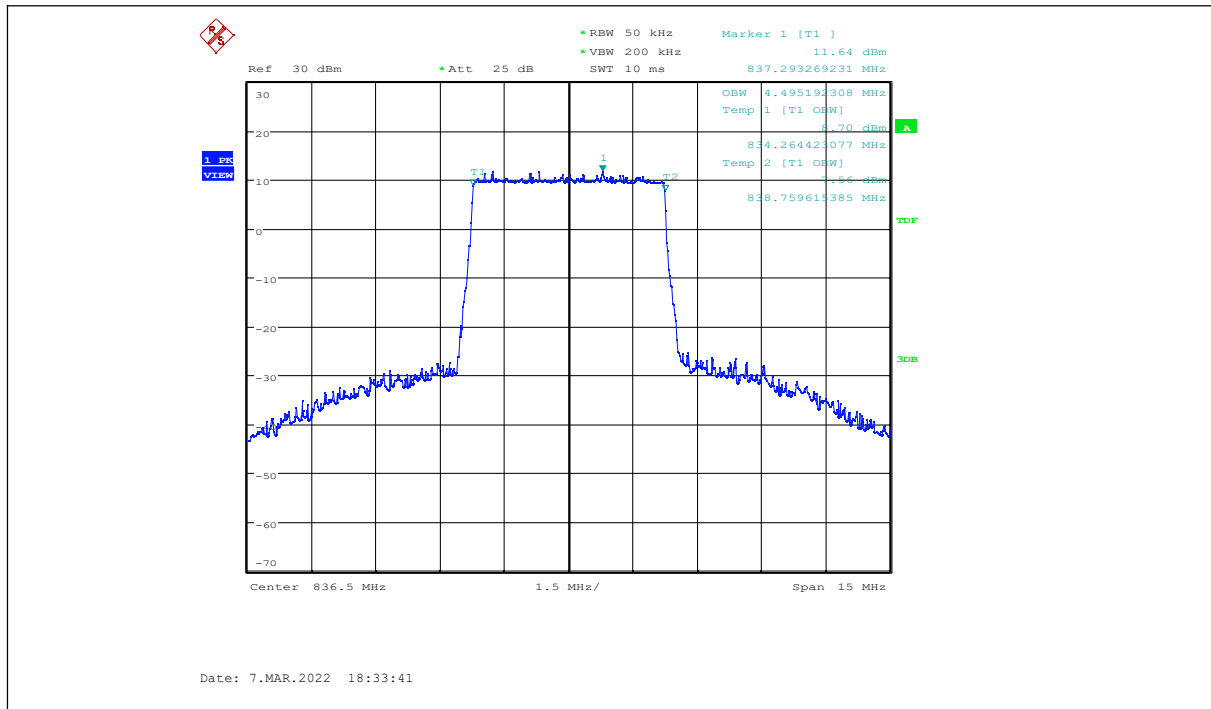
LTE band 26,5MHz(99%)

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

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



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



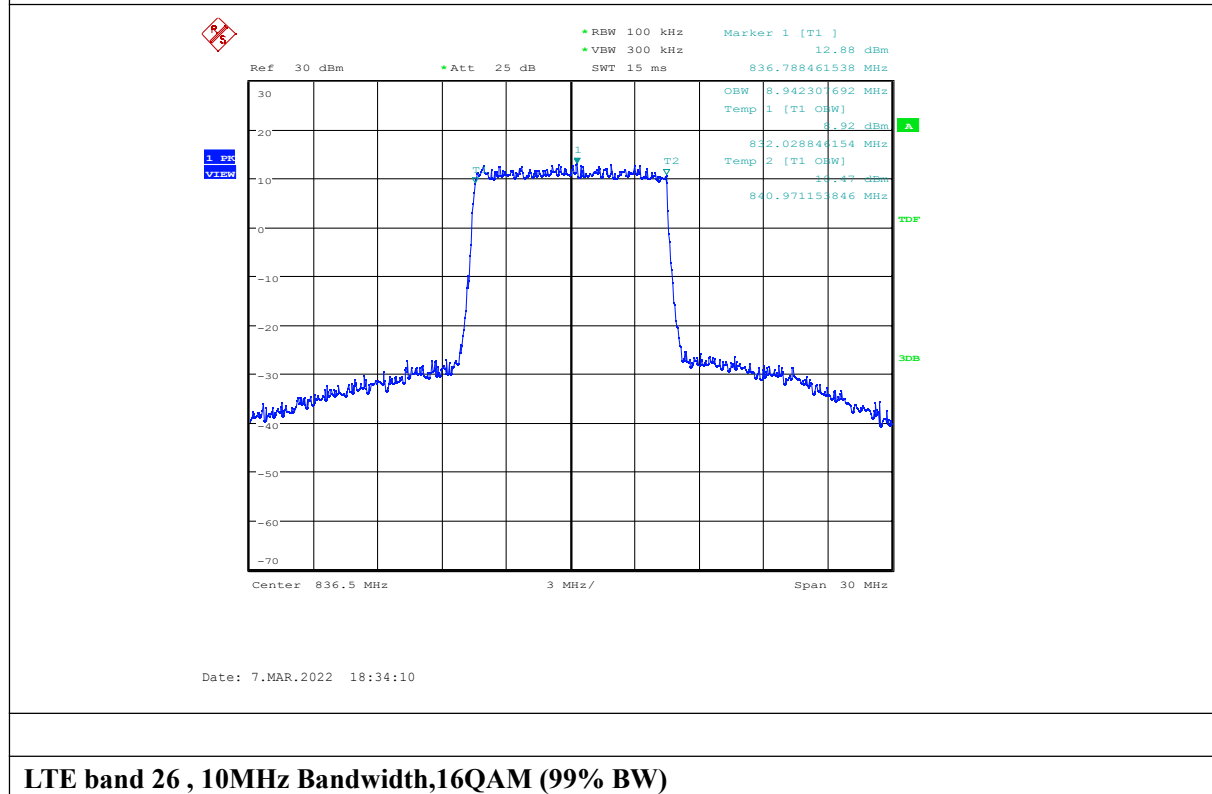
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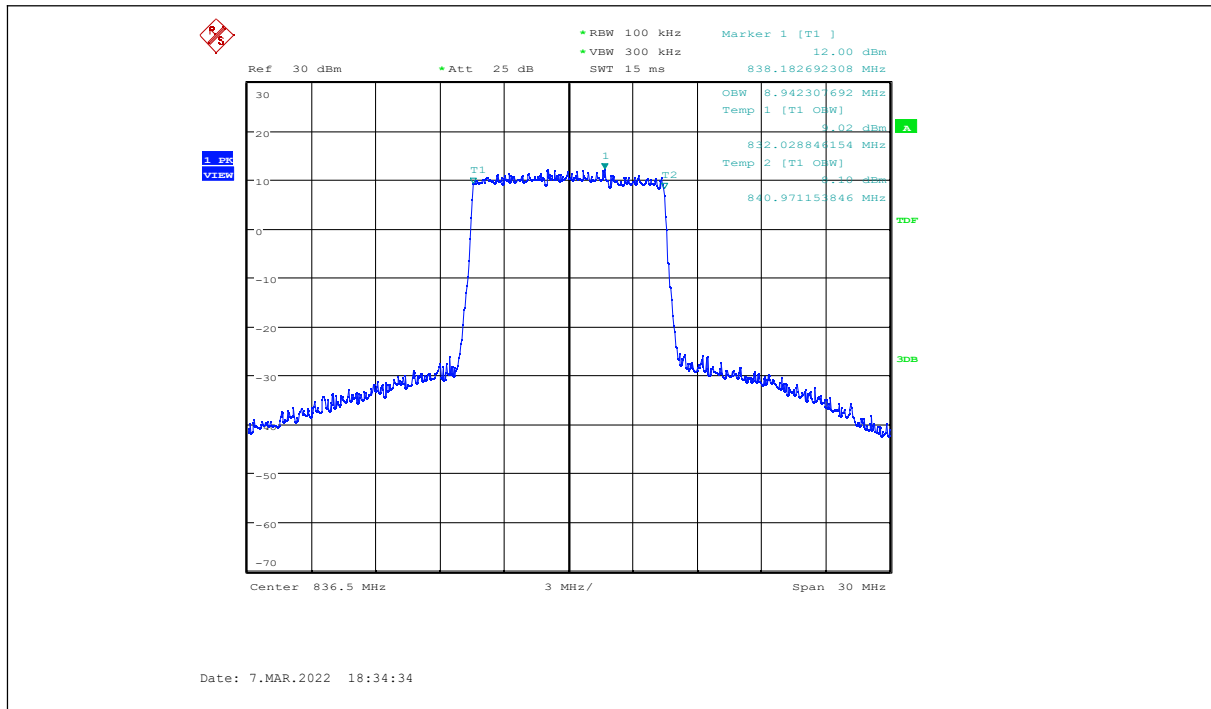
LTE band 26,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
836.5	8.942	8.942

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



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



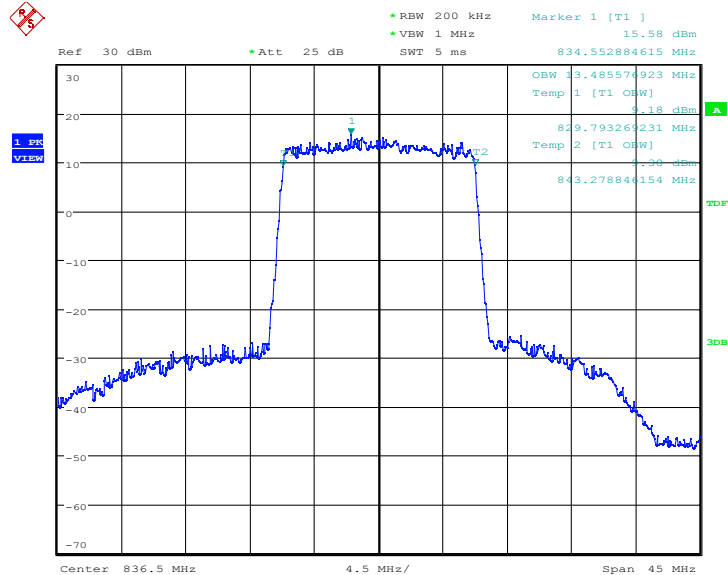
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LTE band 26,15MHz(99%)

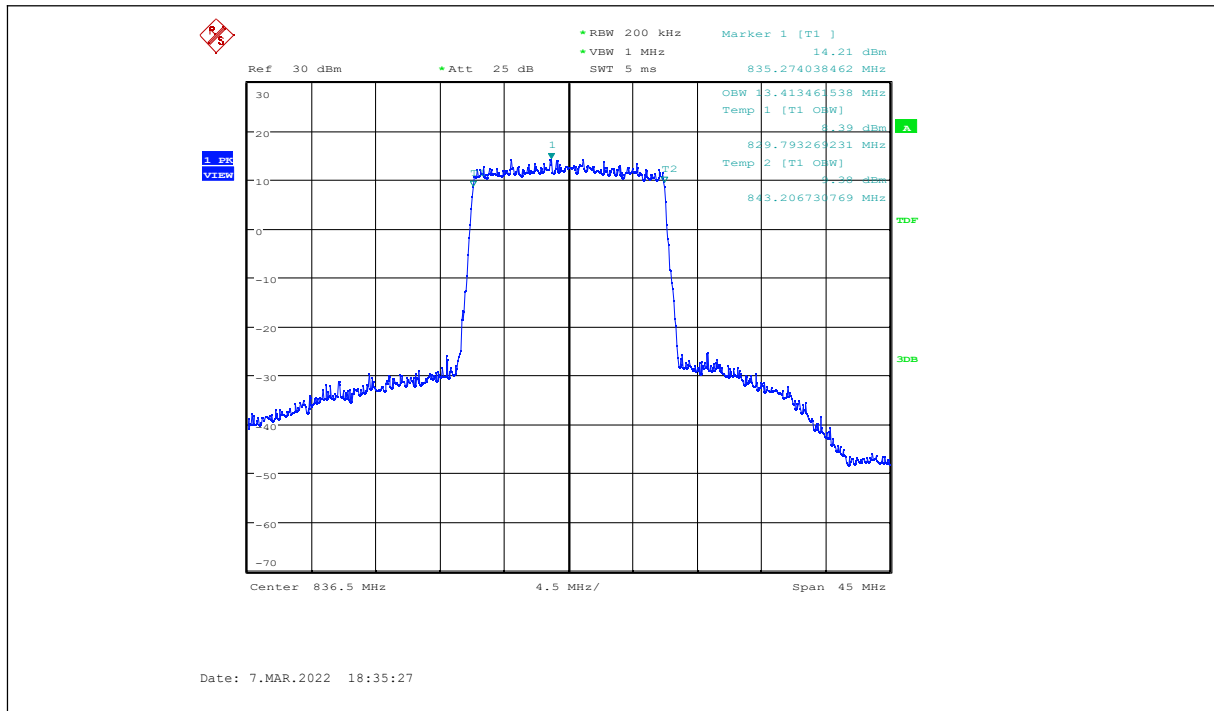
Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
836.5	13.486	13.413

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



Date: 7.MAR.2022 18:35:03

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



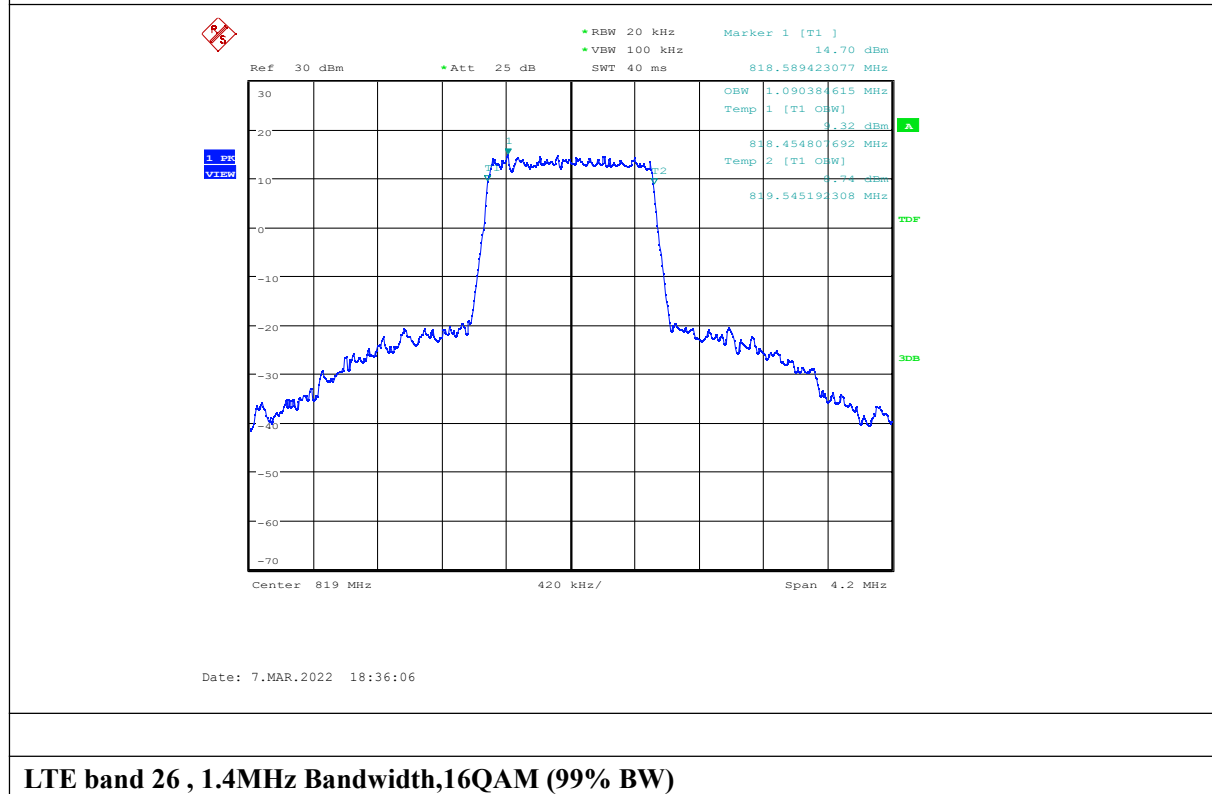
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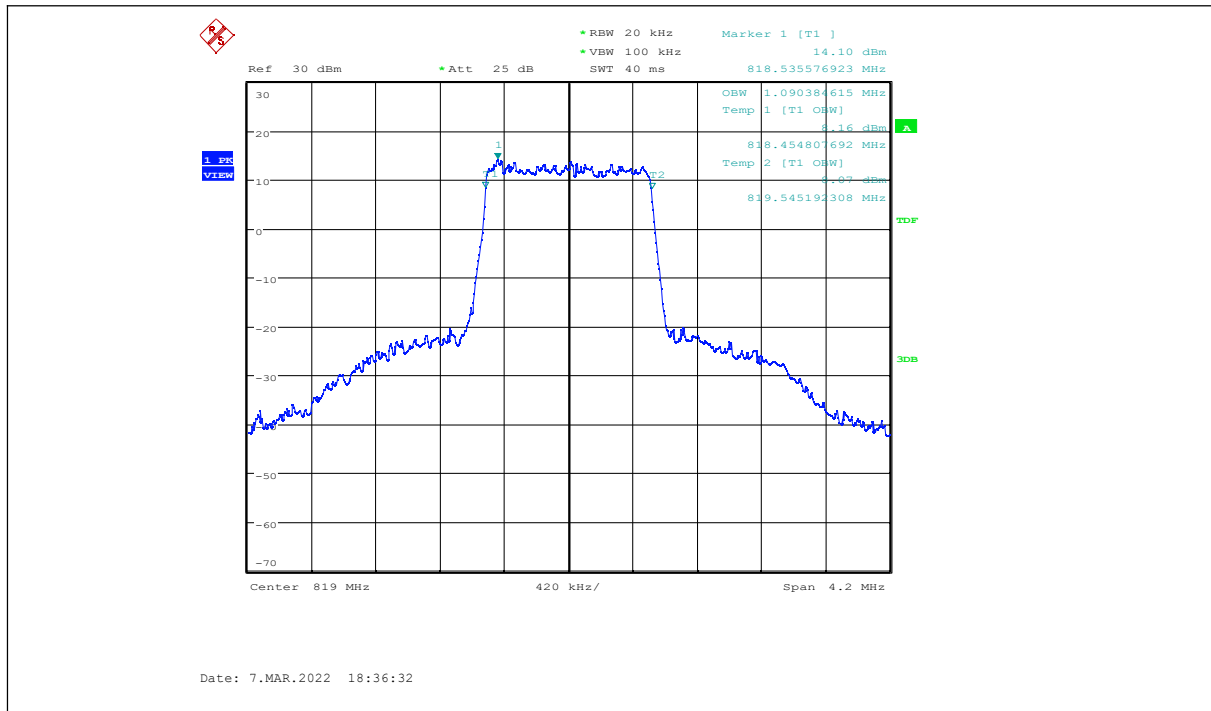
LTE band 26,1.4MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
819	1.090	1.090

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



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

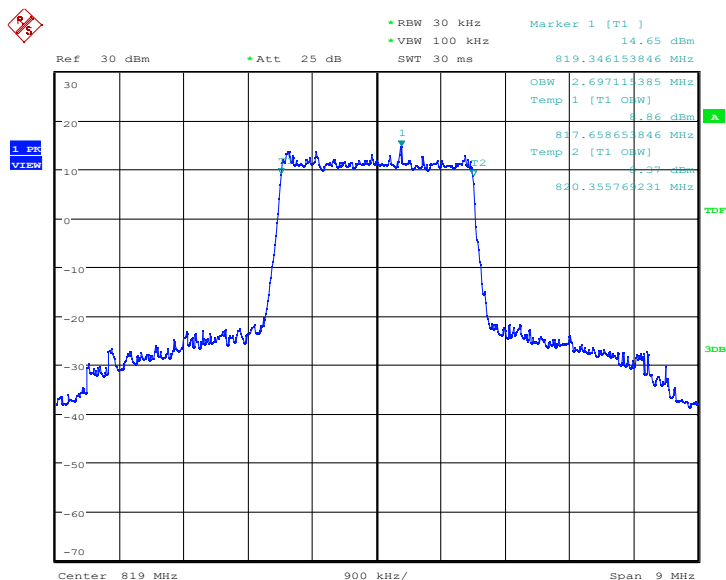


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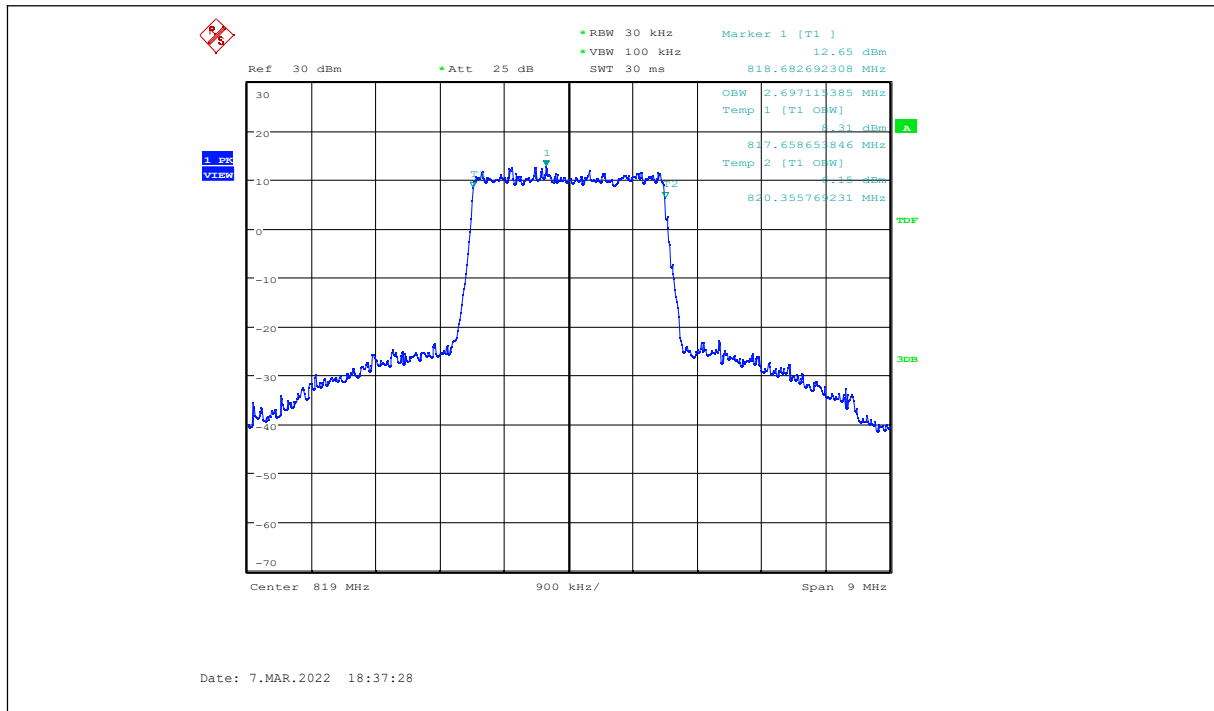
LTE band 26,3MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
819	2.697	2.697

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


Date: 7.MAR.2022 18:37:02

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



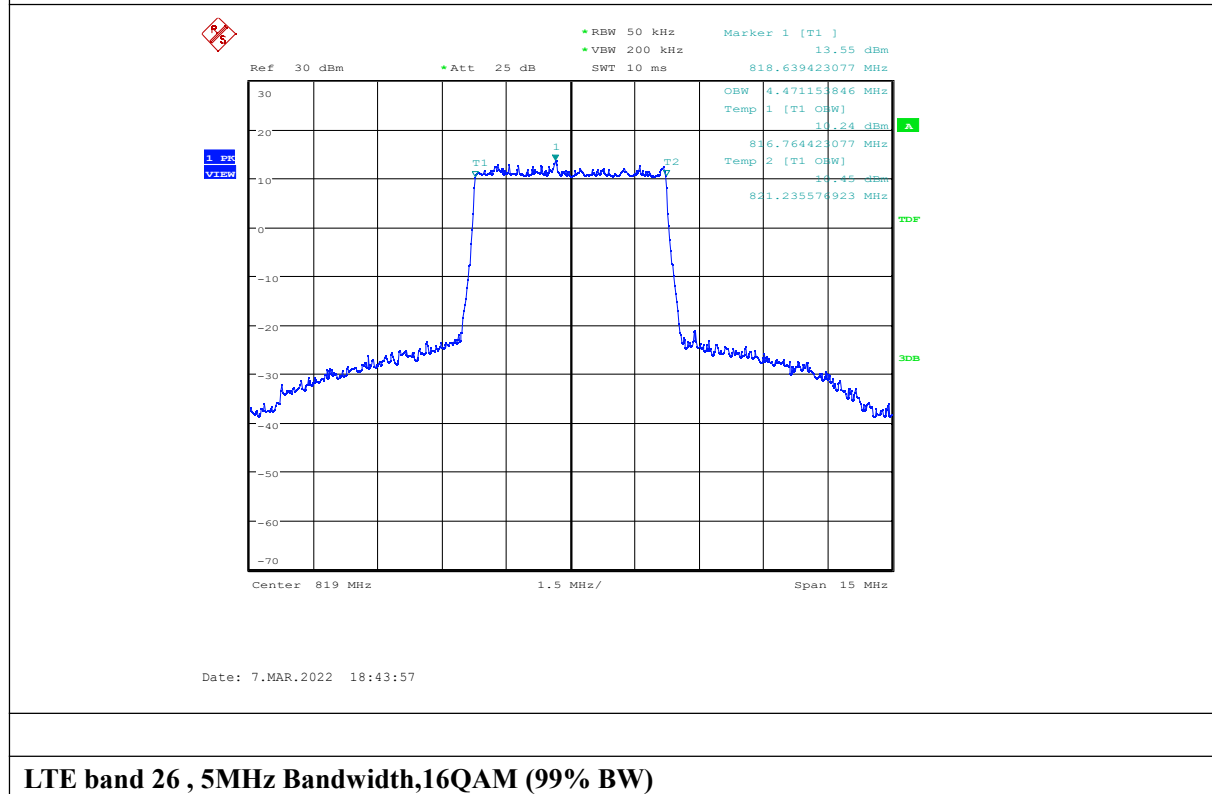
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Tel: 0086-23-88069965 FAX: 0086-23-88608777

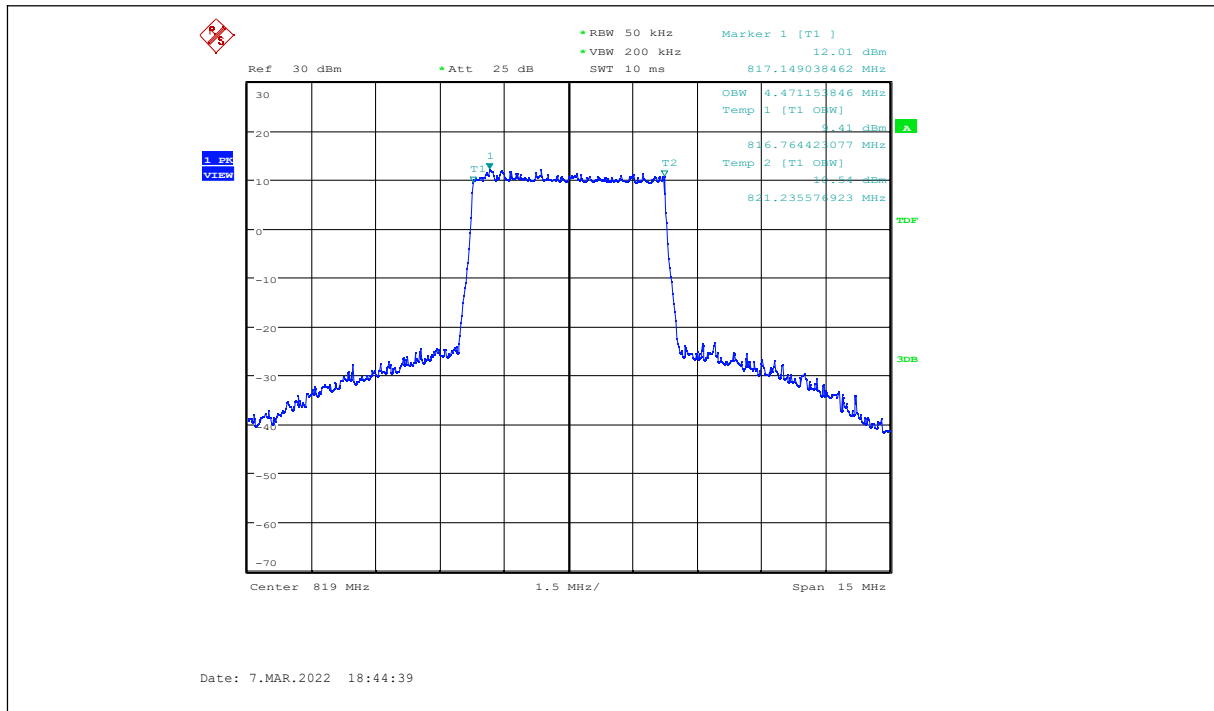
LTE band 26,5MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
819	4.471	4.471

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



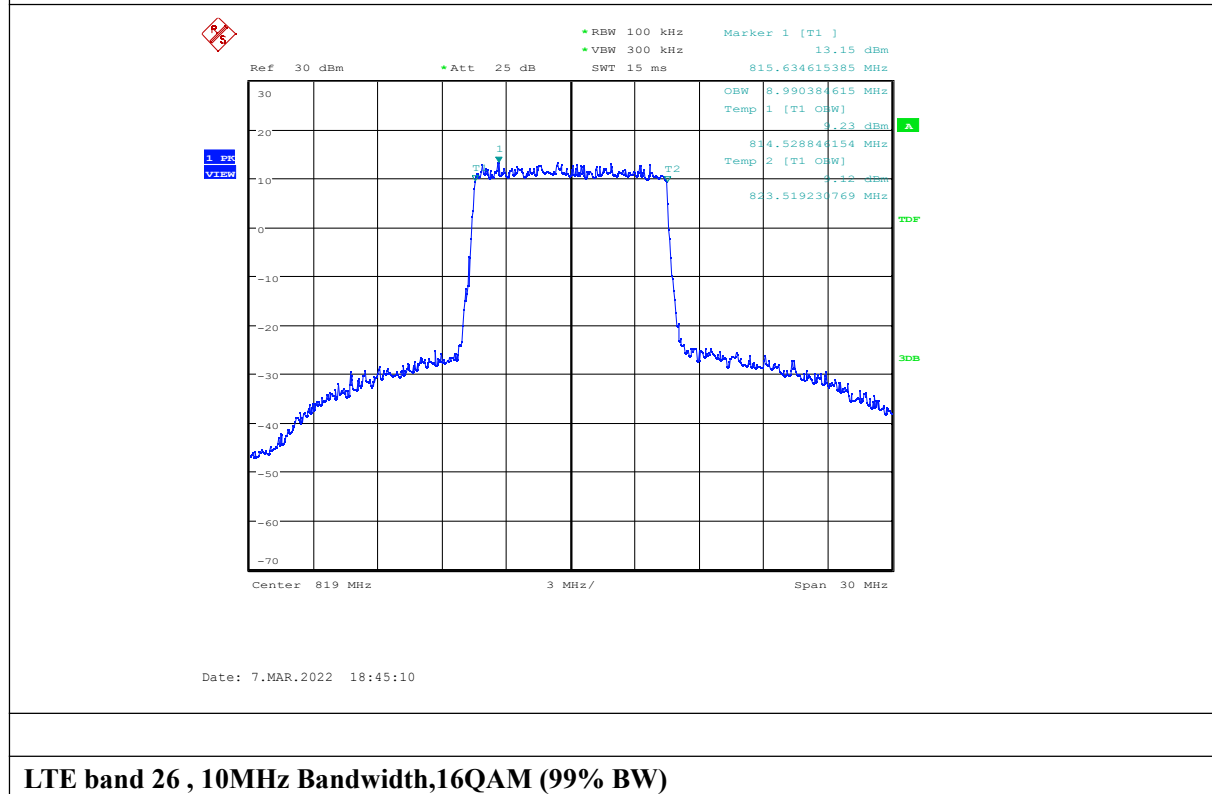
LTE band 26 , 5MHz Bandwidth,16QAM (99% BW)



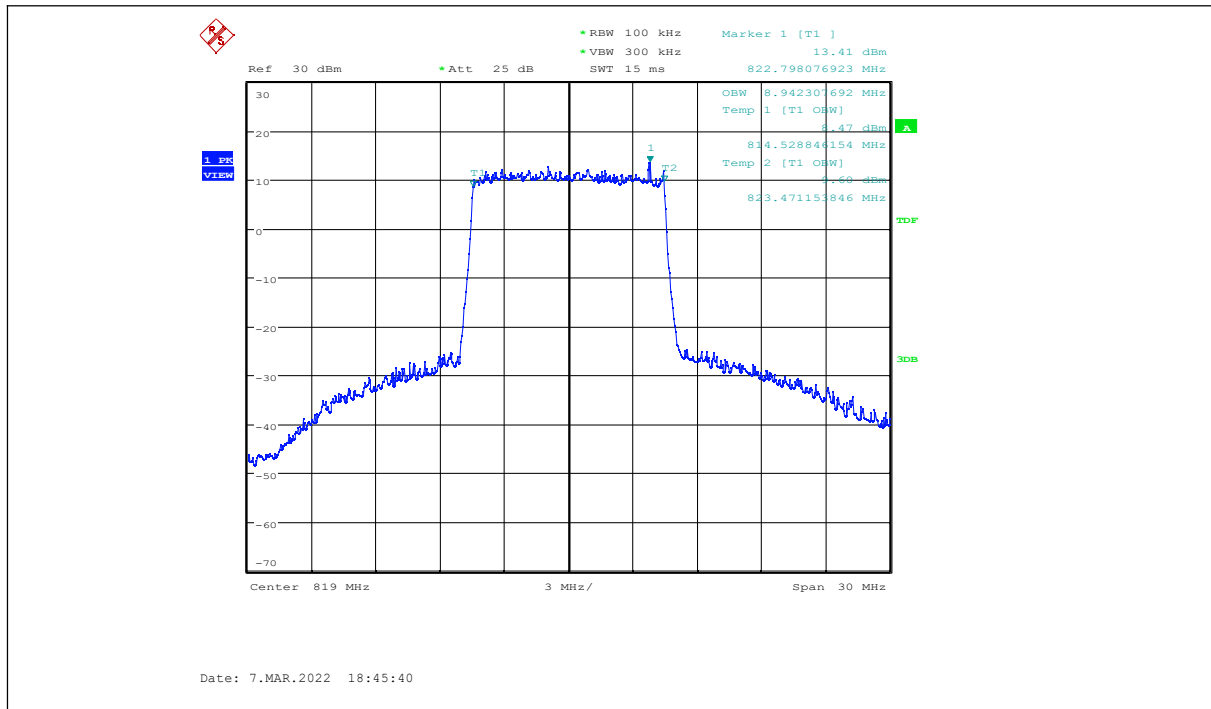
LTE band 26,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
819	8.990	8.942

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



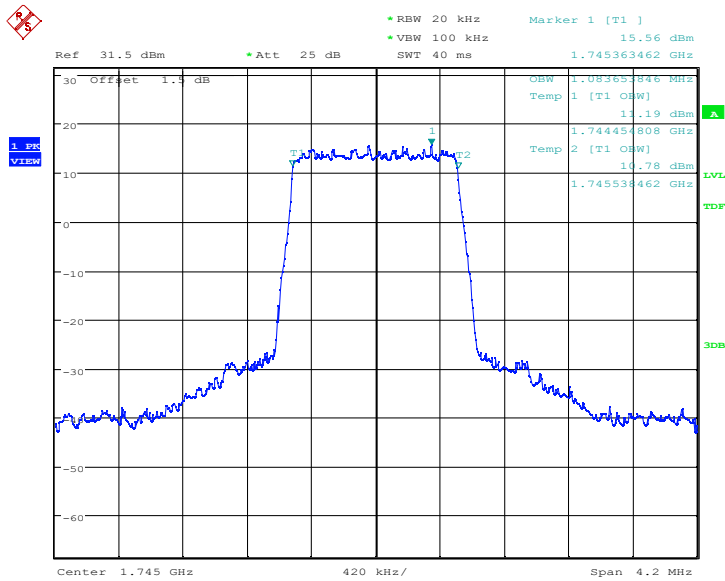
LTE band 26 , 10MHz Bandwidth,16QAM (99% BW)



LTE band 66,1.4MHz(99%)

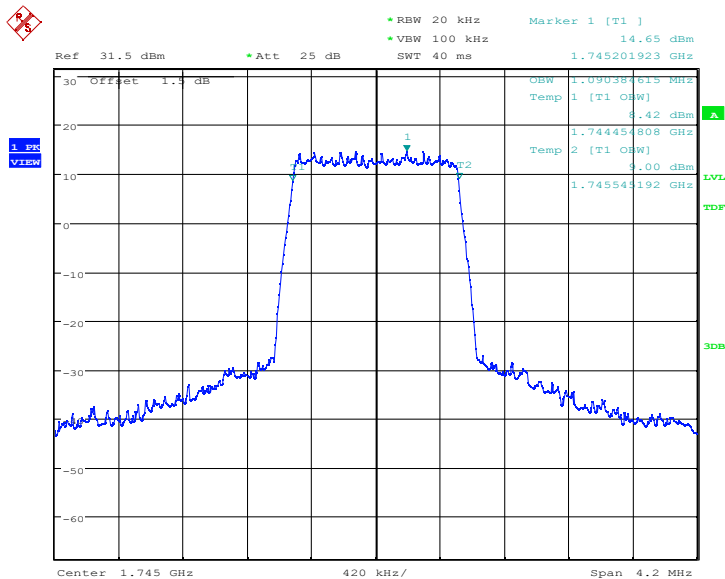
Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1745	1.084	1.090

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



Date: 8.MAR.2022 05:10:54

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



Date: 8.MAR.2022 05:11:18

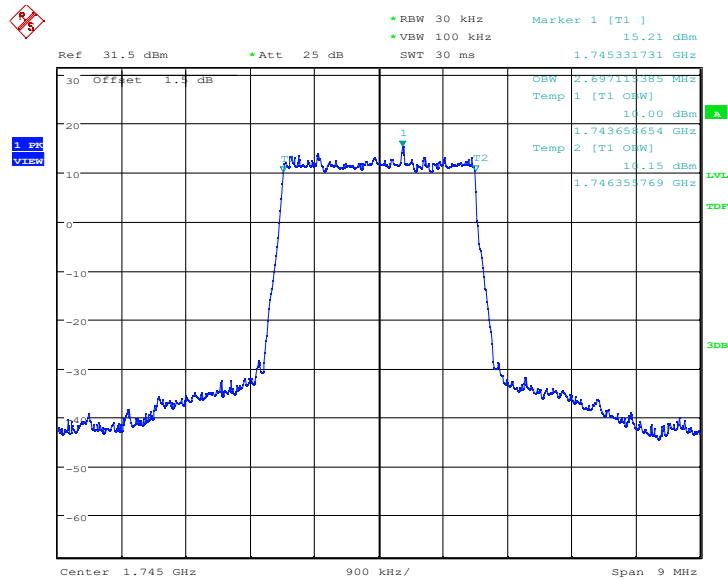
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LTE band 66,3MHz(99%)

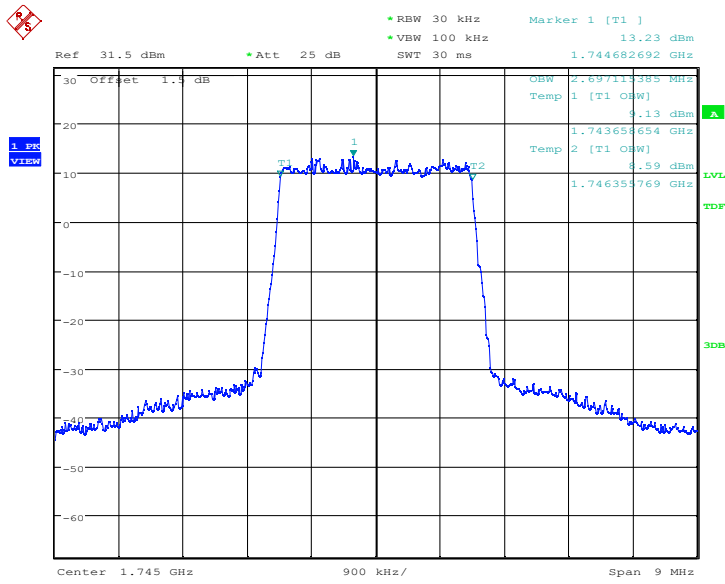
Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1745	2.697	2.697

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



Date: 8.MAR.2022 05:11:49

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



Date: 8.MAR.2022 05:12:12

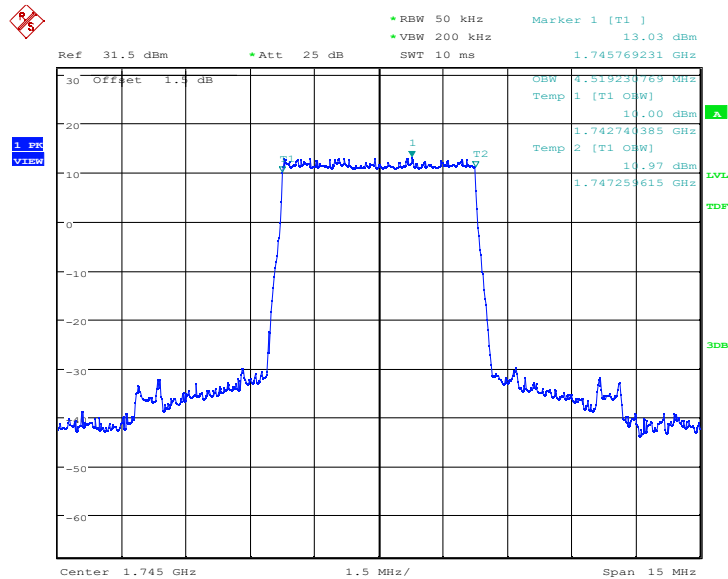
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LTE band 66,5MHz(99%)

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

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

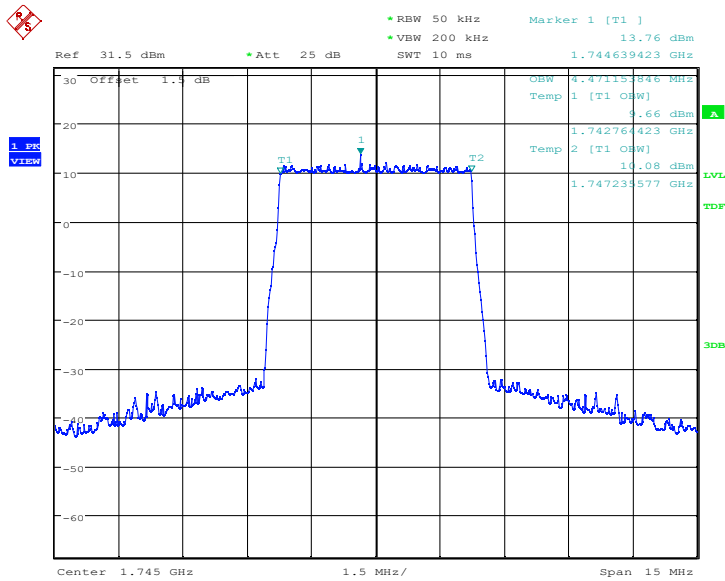


Date: 8.MAR.2022 05:12:40

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

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Date: 8.MAR.2022 05:13:07

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LTE band 66,10MHz(99%)

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

Ref 31.5 dBm Att 25 dB SWT 15 ms Marker 1 [T1] 13.81 dBm

Temp 1 [T1 ONW] 10.14 dBm

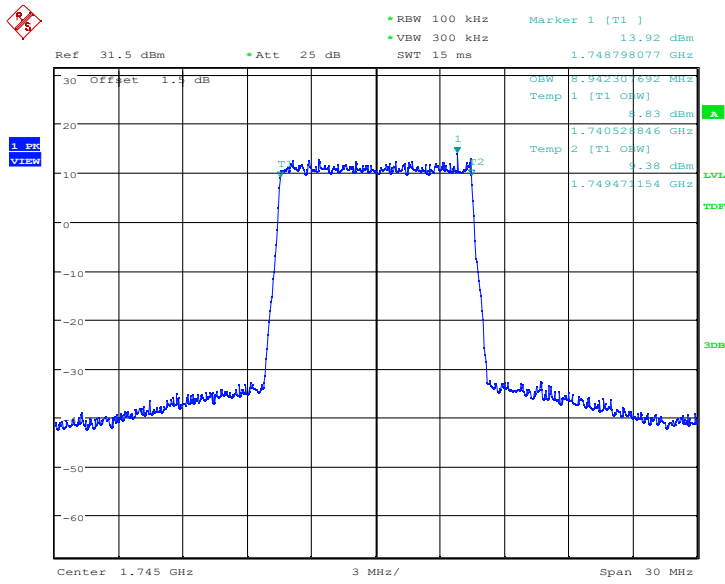
Temp 2 [T1 ONW] 10.97 dBm

Center 1.745 GHz 3 MHz/ Span 30 MHz

Date: 8.MAR.2022 05:13:41

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

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Date: 8.MAR.2022 05:14:10

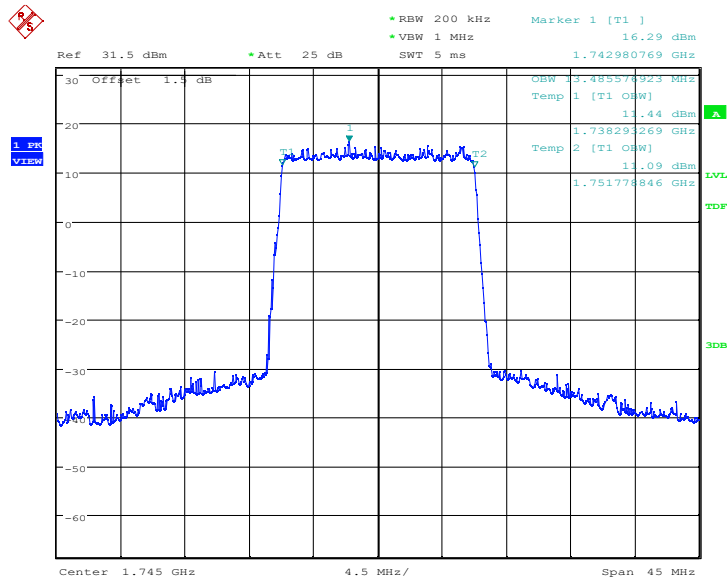
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LTE band 66,15MHz(99%)

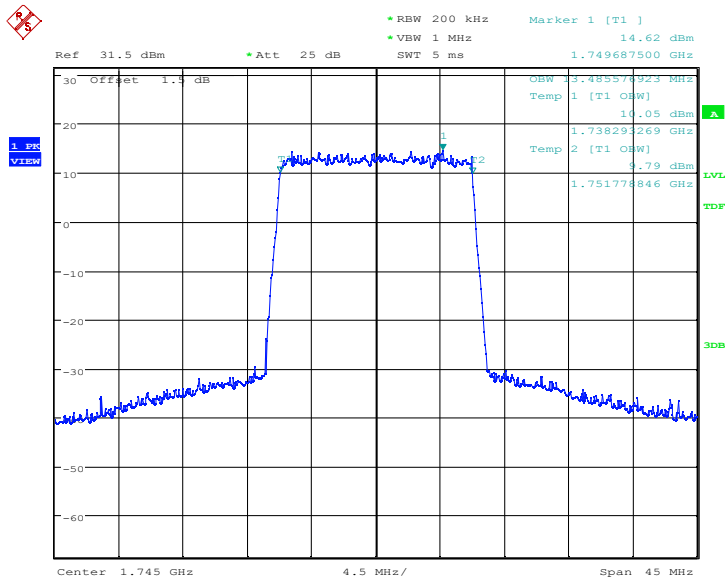
Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1745	13.486	13.486

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



Date: 8.MAR.2022 05:14:39

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



Date: 8.MAR.2022 05:15:01

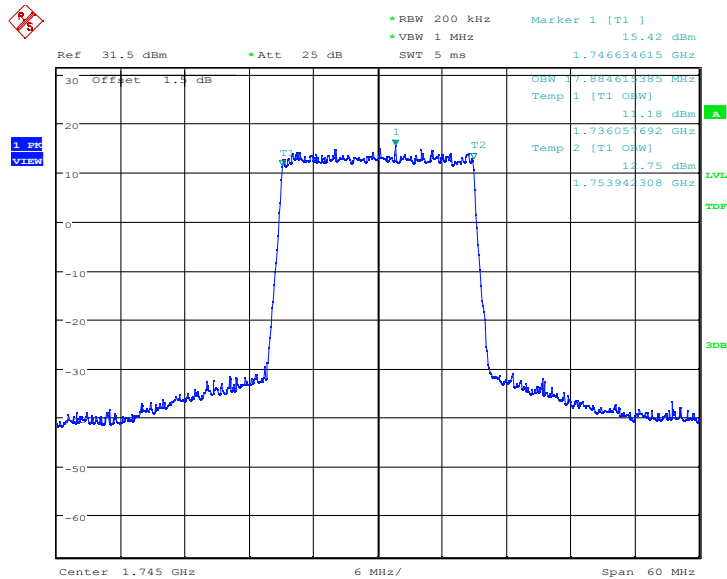
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LTE band 66,20MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1745	17.885	17.981

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

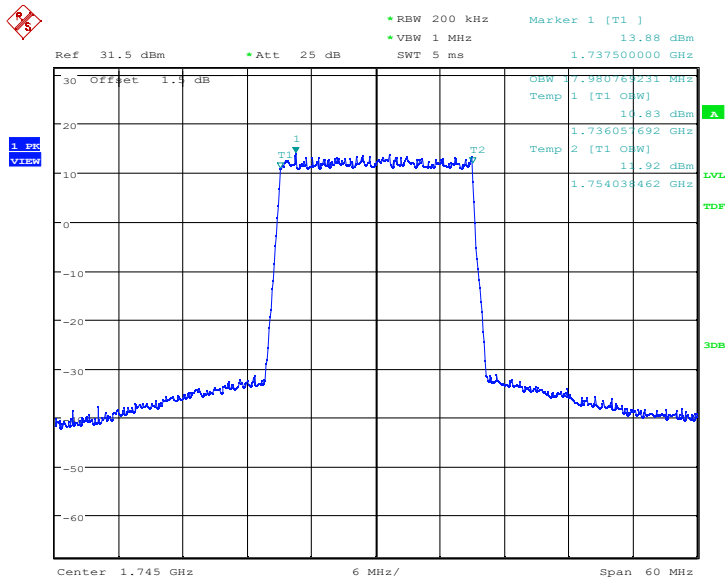


Date: 8.MAR.2022 05:15:35

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

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Date: 8.MAR.2022 05:15:57

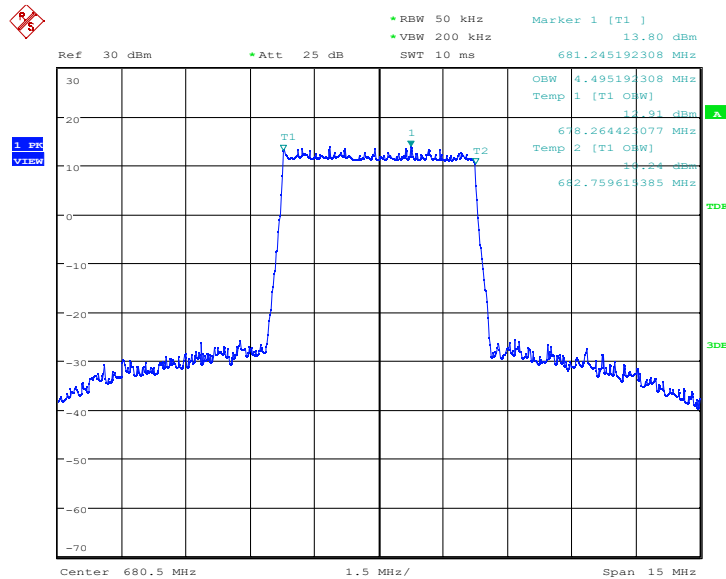
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LTE band 71,5MHz(99%)

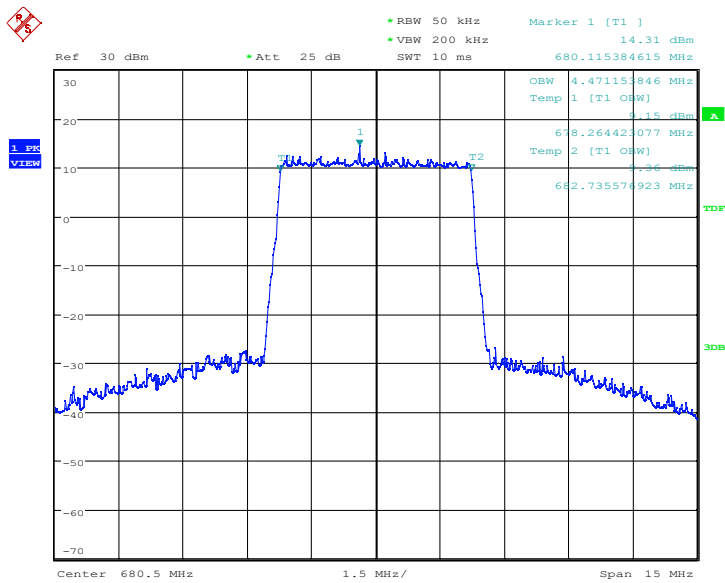
Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
680.5	4.495	4.471

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



Date: 8.MAR.2022 05:16:29

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



Date: 8.MAR.2022 05:16:52

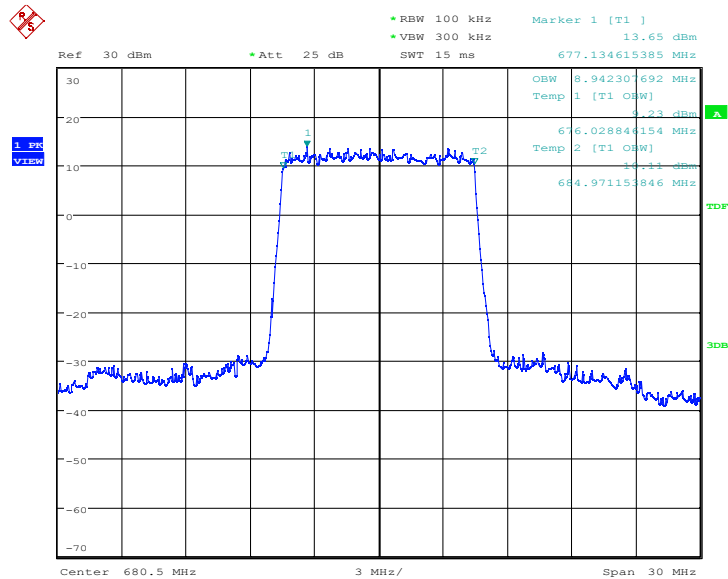
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LTE band 71,10MHz(99%)

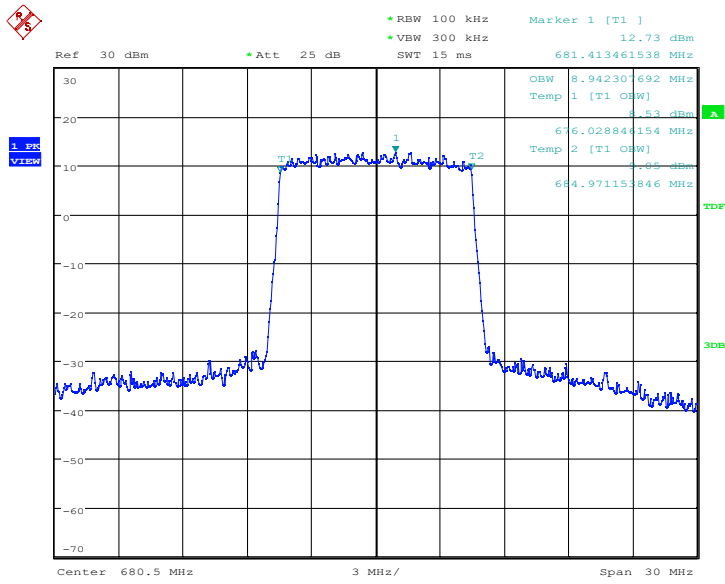
Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
680.5	8.942	8.942

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



Date: 8.MAR.2022 05:17:26

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

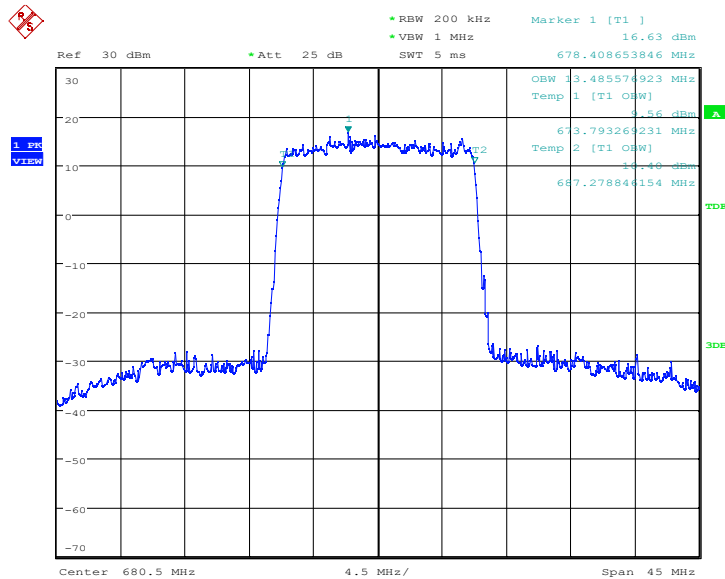


Date: 8.MAR.2022 05:18:00

LTE band 71,15MHz(99%)

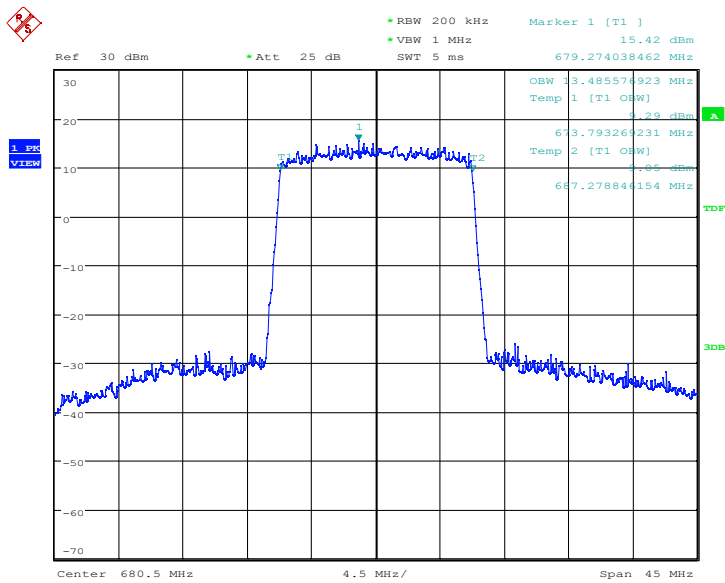
Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
680.5	13.486	13.486

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



Date: 8.MAR.2022 05:18:38

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

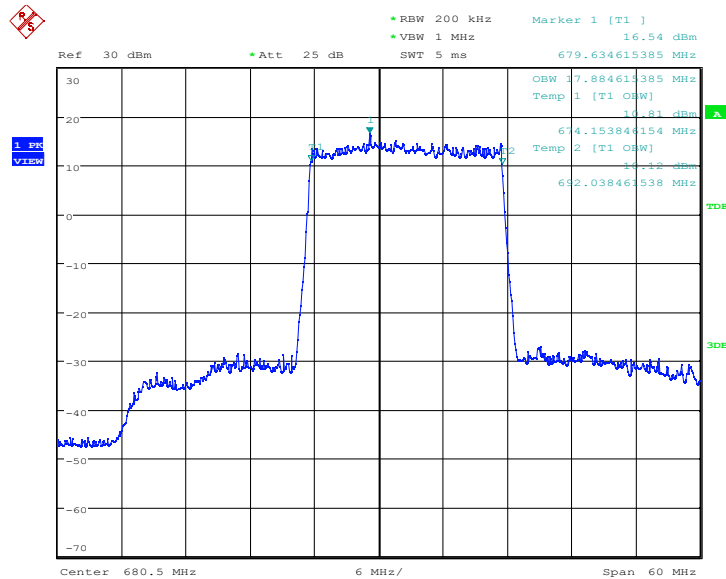


Date: 8.MAR.2022 05:19:02

LTE band 71,20MHz(99%)

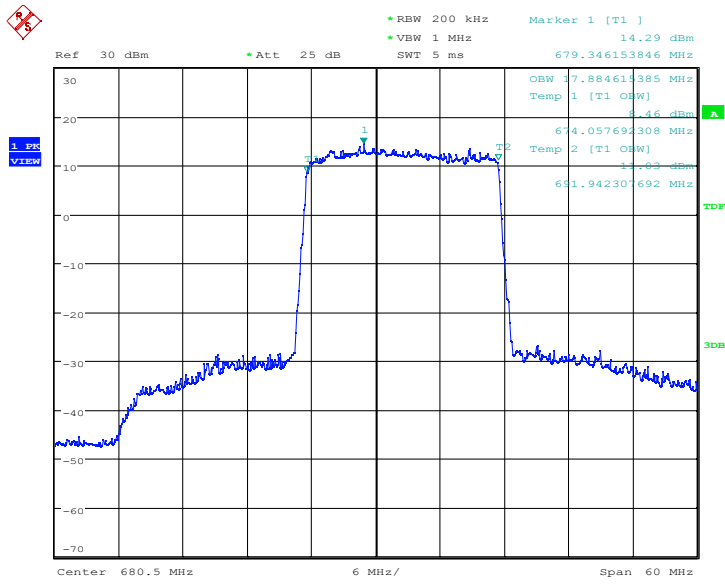
Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
683	17.885	17.885

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



Date: 8.MAR.2022 05:19:37

LTE band 71 , 20MHz Bandwidth,16QAM (99% BW)

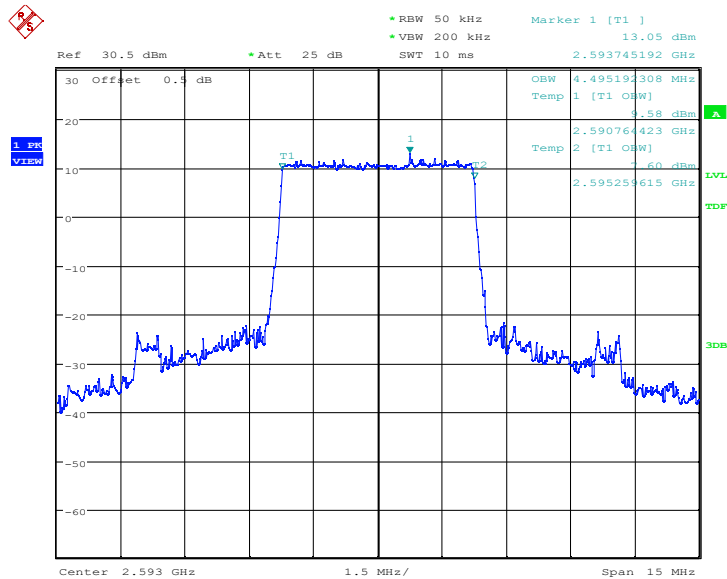


Date: 8.MAR.2022 05:19:59

LTE band 41,5MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
2593	4.495	4.471

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

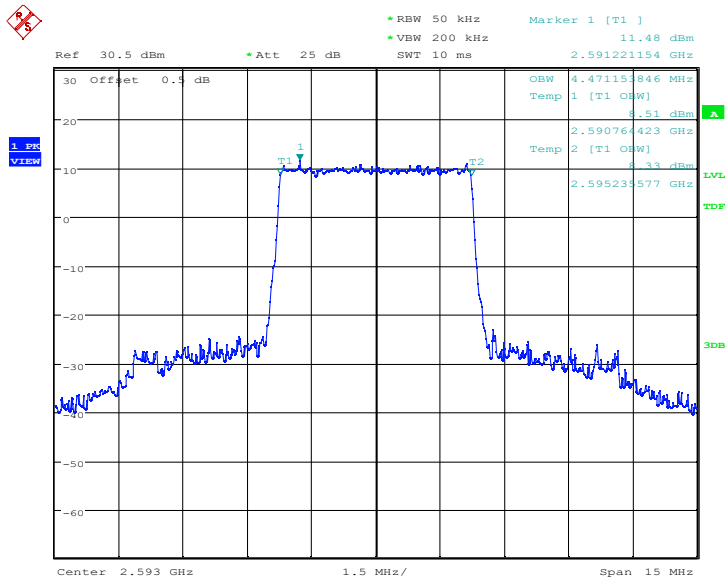


Date: 9.MAR.2022 00:31:52

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

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Date: 9.MAR.2022 00:32:16

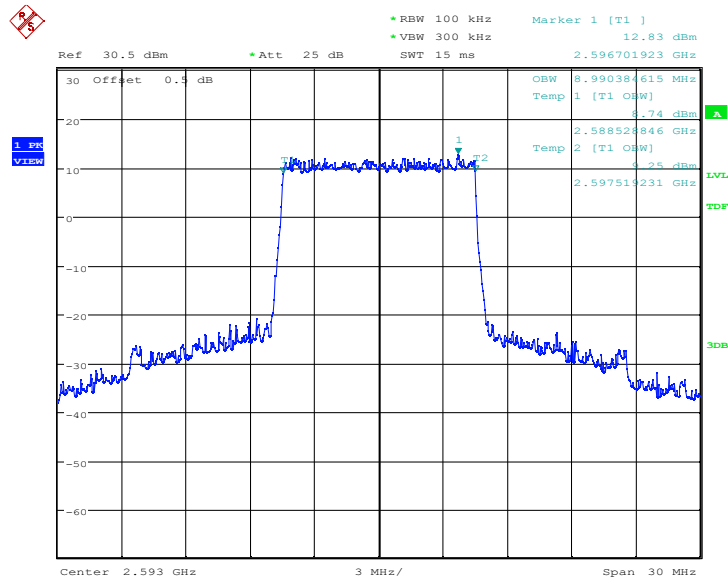
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LTE band 41,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
2593	8.990	8.942

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

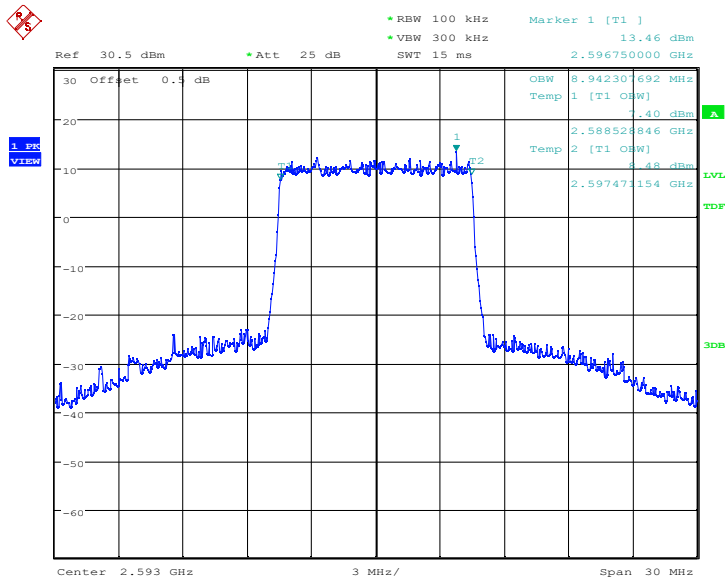


Date: 9.MAR.2022 00:32:51

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

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Date: 9.MAR.2022 00:33:13

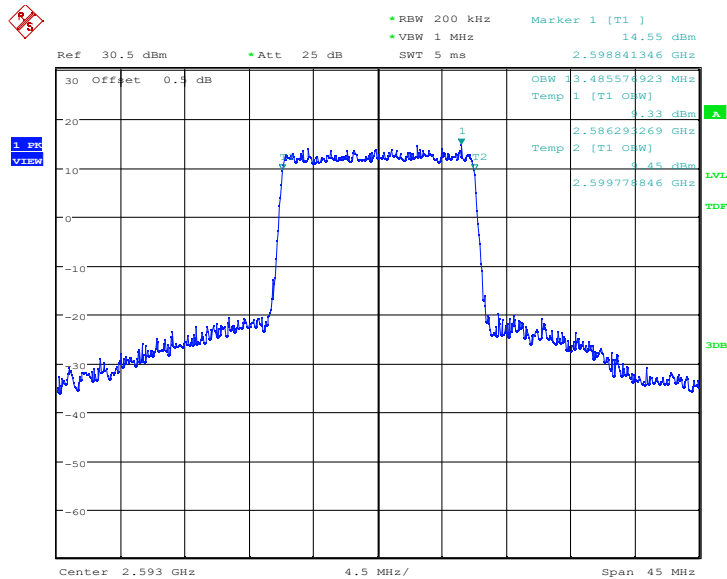
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LTE band 41,15MHz(99%)

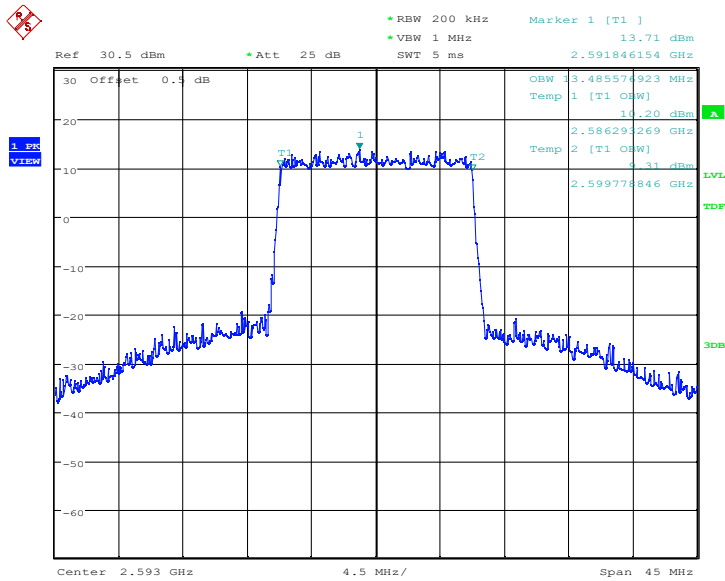
Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
2593	13.486	13.486

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



Date: 9.MAR.2022 00:33:43

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



Date: 9.MAR.2022 00:34:09

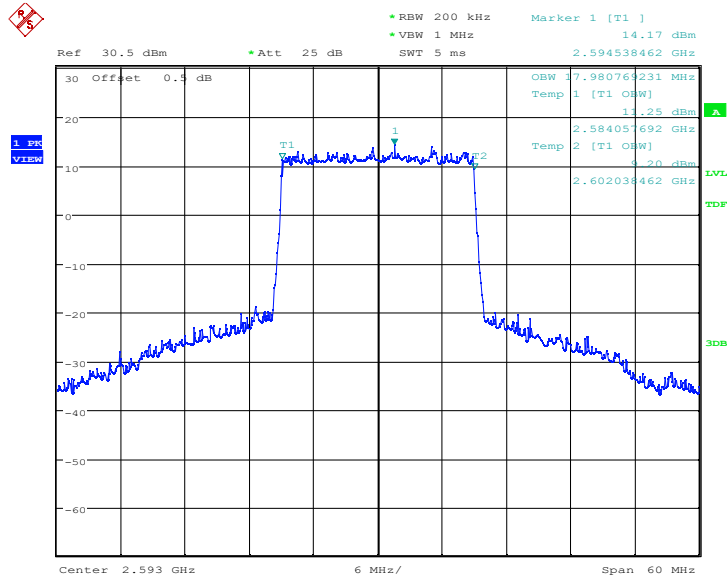
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LTE band 41,20MHz(99%)

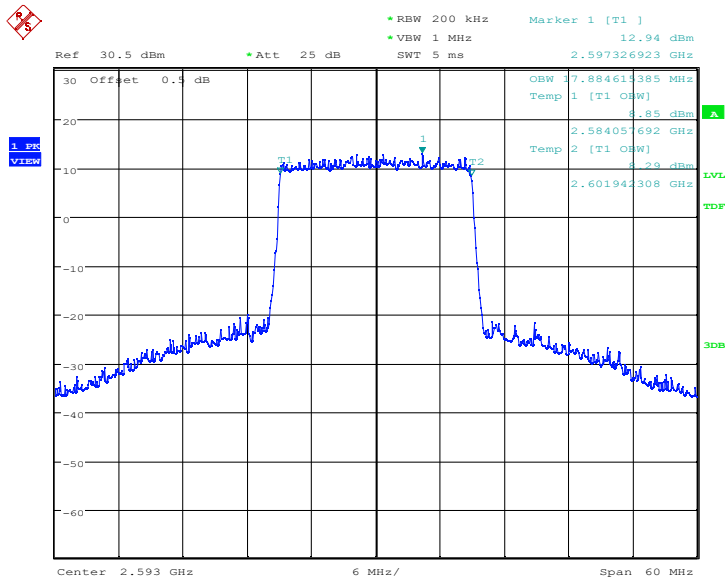
Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
2593	17.981	17.885

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



Date: 9.MAR.2022 00:34:39

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



Date: 9.MAR.2022 00:35:02

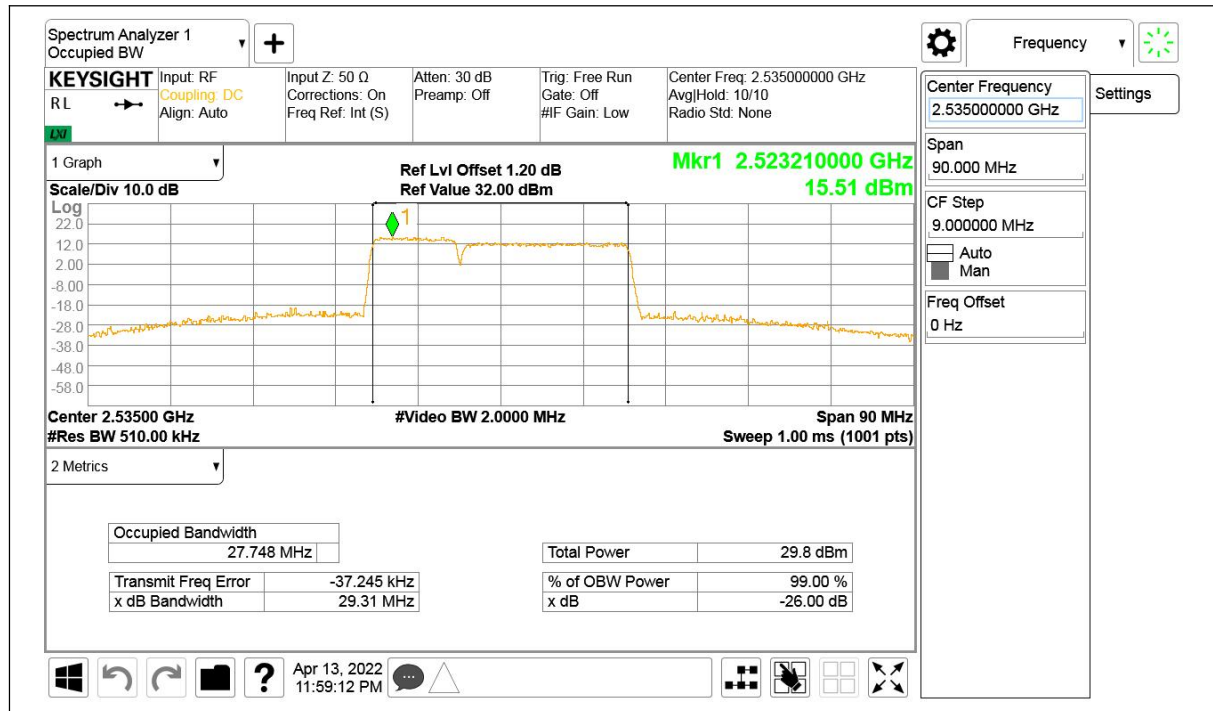
LTE CA band 7,10MHz+20MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
2525.6	27.824	27.748

LTE CA band 7 , 10MHz+20MHz Bandwidth,QPSK (99% BW)



LTE CA band 7 , 10MHz+20MHz Bandwidth,16QAM (99% BW)



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LTE CA band 7,15MHz+10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
2530.1	23.254	23.269

LTE CA band 7 , 15MHz+10MHz Bandwidth,QPSK (99% BW)



LTE CA band 7 , 15MHz+10MHz Bandwidth,16QAM (99% BW)

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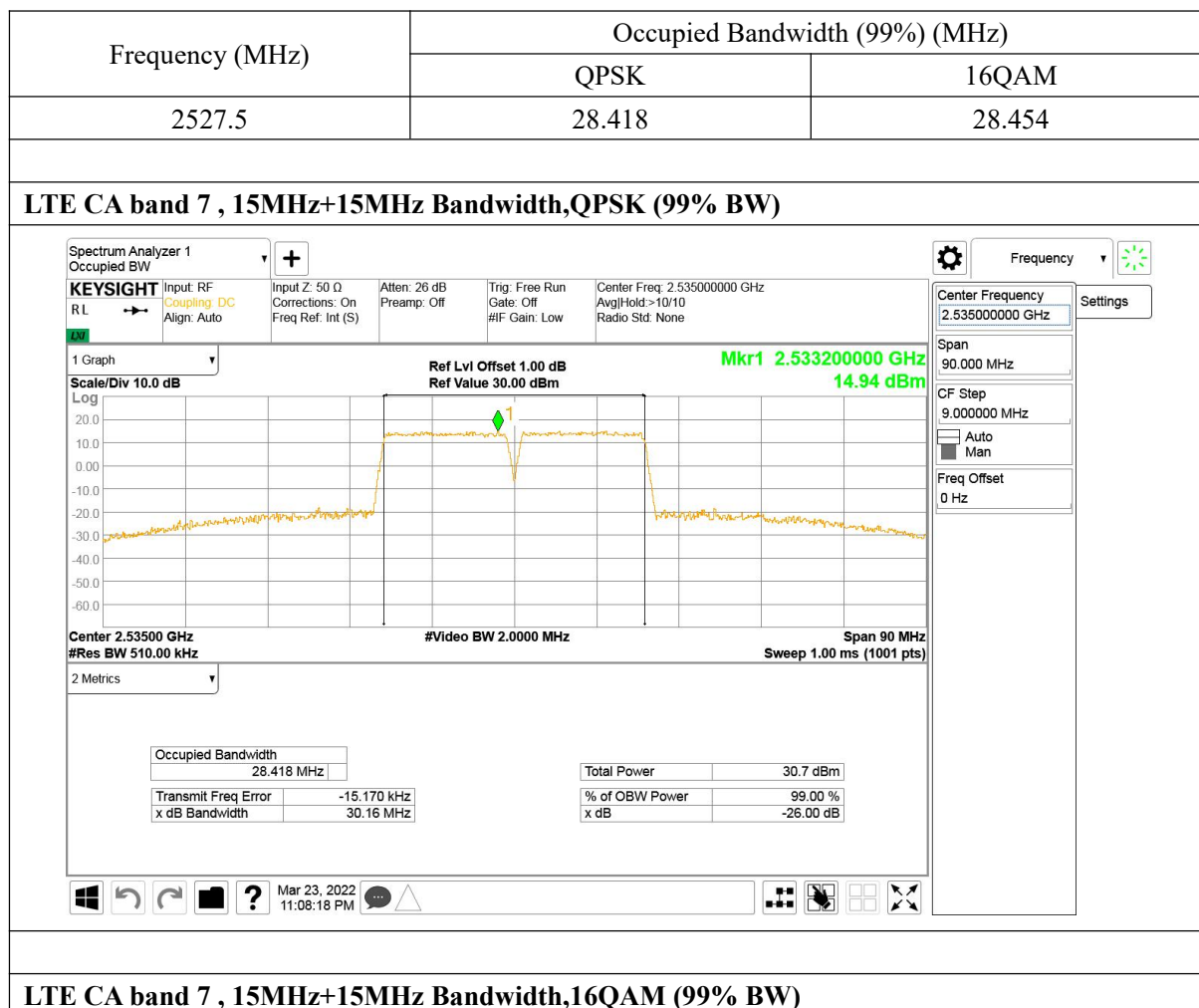
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LTE CA band 7,15MHz+15MHz(99%)



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

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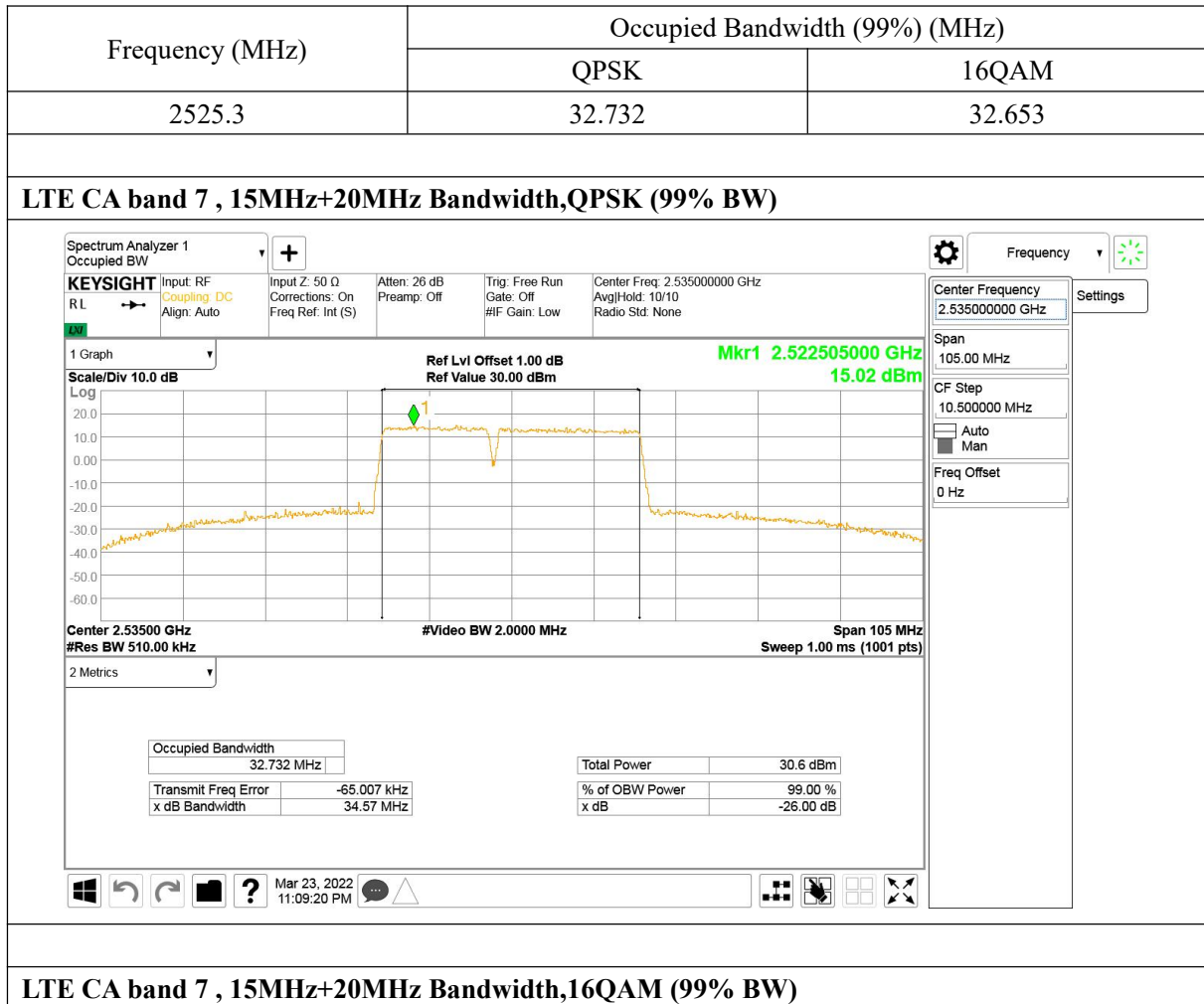
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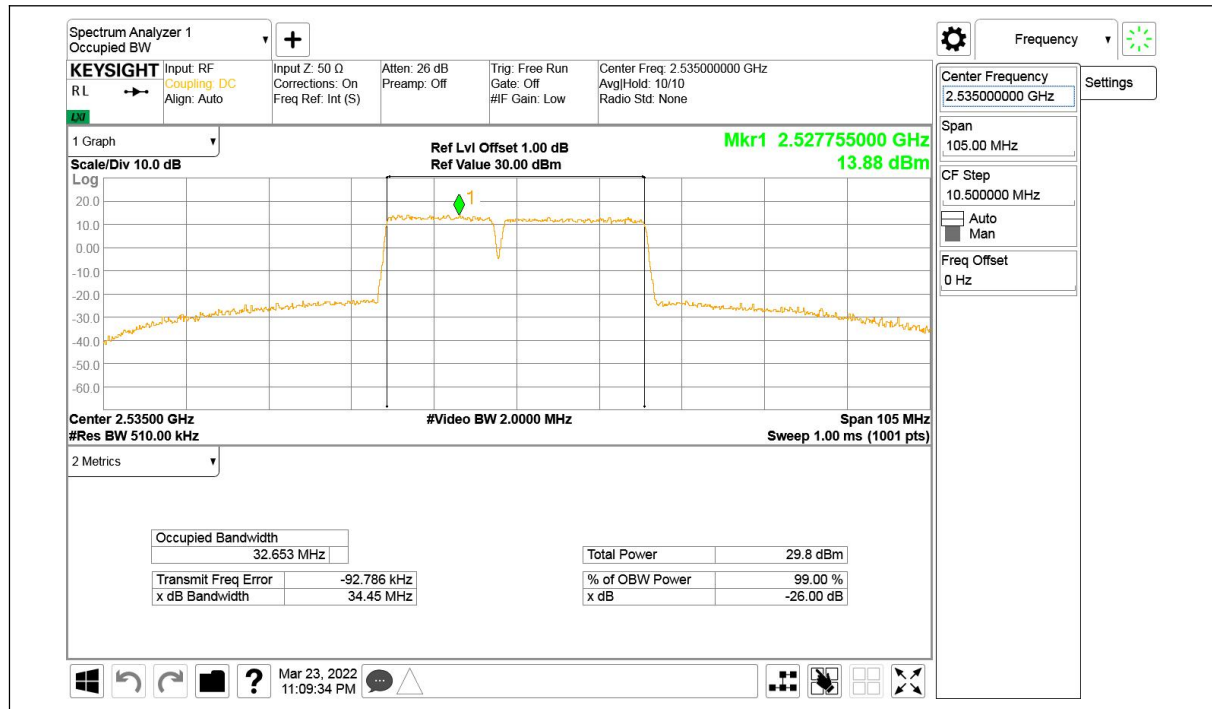
LTE CA band 7,15MHz+20MHz(99%)



LTE CA band 7 , 15MHz+20MHz Bandwidth,16QAM (99% BW)

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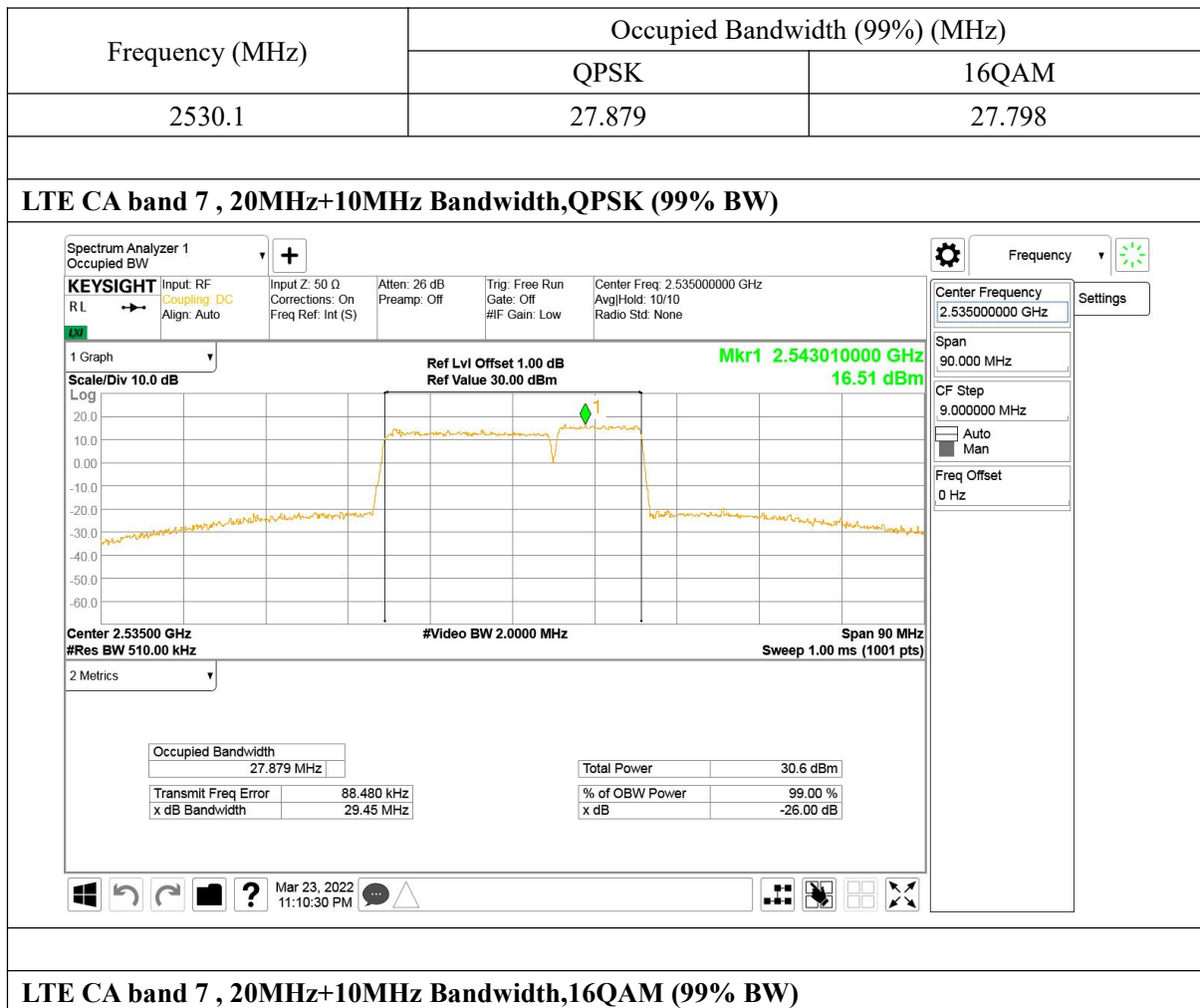
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LTE CA band 7,20MHz+10MHz(99%)



LTE CA band 7 , 20MHz+10MHz Bandwidth,16QAM (99% BW)

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