



TEST REPORT

No. I21N01406-RF-LTE

for

Guangdong OPPO Mobile Telecommunications Corp., Ltd.

Mobile Phone

Model Name: CPH2271

FCC ID: R9C-CPH227X

with

Hardware Version: 11

Software Version: ColorOS V11.1

Issued Date: 2021-06-10

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 SAICT.

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REPORT HISTORY

Report Number	Revision	Description	Issue Date
I21N01406-RF-LTE	Rev.0	1st edition	2021-06-10

Note: As the frequency band range of LTE Band CA_41C(2496-2690MHz) overlaps the range of LTE Band CA_38C(2570-2620MHz), LTE Band 41(2496-2690MHz) overlaps the range of LTE Band 38(2570-2620MHz), LTE Band 26(814-849MHz) overlaps the range of LTE Band 5(824-849MHz), LTE Band 18(815-830MHz), LTE Band 19(830-845MHz), LTE Band 12(698-716 MHz) overlaps the range of LTE Band 17(704-716 MHz) and LTE Band 66(1710-1770 MHz) overlaps the range of LTE Band 4(1710-1755 MHz). The channel bandwidth and other perating parameters for LTE Band 38 are fully supported by LTE Band 41, the channel bandwidth and other perating parameters for LTE Band CA_38C are fully supported by LTE Band CA_41C, the channel bandwidth and other perating parameters for LTE Band 5/18/19 are fully supported by LTE Band 26, the channel bandwidth and other perating parameters for LTE Band 17 are fully supported by LTE Band 12, the channel bandwidth and other perating parameters for LTE Band 4 are fully supported by LTE Band 66 and the miximum output power of LTE Band 41 is larger than the LTE Band 38, the miximum output power of LTE Band CA_41C is larger than the LTE Band CA_38C, the miximum output power of LTE Band 26 is larger than the LTE Band 5/18/19, the miximum output power of LTE Band 12 is larger than the LTE Band 17 and the miximum output power of LTE Band 66 is larger than the LTE Band 4, we just need to test all the cases of LTE Band 41, LTE Band CA_41C, LTE Band 26, LTE Band 12 and LTE Band 66.

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1. SUMMARY OF TEST REPORT

1.1. Test Items

Description	Mobile Phone
Model Name	CPH2271
Applicant's name	Guangdong OPPO Mobile Telecommunications Corp., Ltd.
Manufacturer's Name	Guangdong OPPO Mobile Telecommunications Corp., Ltd.

1.2. Test Standards

FCC Part	10-1-19 Edition
2/22/24/27/90/95/97/101	
ANSI C63.26	2015
KDB971168 D01	v03r01

1.3. Test Result

All test items are pass. Please refer to "6 Summary of Test Results" for detail.

1.4. Testing Location

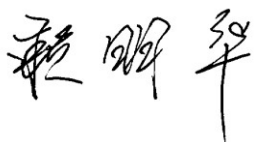
Address: Building G, Shenzhen International Innovation Center, No.1006 Shennan Road, Futian District, Shenzhen, Guangdong, P. R. China 518000

1.5. Project Data

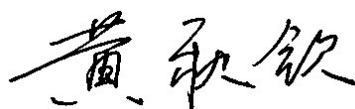
Testing Start Date: 2021-04-30

Testing End Date: 2020-05-30

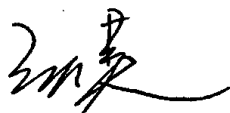
1.6. Signature



Lai Minghua
(Prepared this test report)



Huang Qiuqin
(Reviewed this test report)



Zhang Hao
(Approved this test report)



2. CLIENT INFORMATION

2.1. Applicant Information

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2.2. Manufacturer Information

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Guangdong, China
Contact Person: Mei XiLi
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3. EQUIPMENT UNDER TEST (EUT) AND ANCILLARY EQUIPMENT

(AE)

3.1. About EUT

Description	Mobile Phone
Model Name	CPH2271
FCC ID	R9C-CPH227X
Frequency Bands	LTE Bands 2, 4, 5, 7, 12, 17, 18, 19, 26, 38, 41, 66(1710MHz-1770 MHz),CA_7C,CA_38C,CA_41C
Antenna	Integrated
Extreme vol. Limits	3.60V to 4.45V (nominal: 3.87V)
Extreme temp. Tolerance	0°C to +35°C
Condition of EUT as received	No abnormality in appearance

3.2. Internal Identification of EUT used during the test

EUT ID*	IMEI	HW Version	SW Version	Sample Arrival Date
UT03aa	862282050035915	11	ColorOS V11.1	2021-04-29
	862282050035907			
UT05aa	862282050038216	11	ColorOS V11.1	2021-04-29
	862282050038208			

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

UT03aa is used for conduction test, UT05aa is used for radiation test.

3.3. Internal Identification of AE used during the test

AE ID* Description

AE1	Battery
AE2	Charger
AE3	USB Cable
AE4	Headset

AE1

Model	BLP805
Manufacturer	Sunwoda Electronic Co., Ltd.
Capacity	4890mAh
Nominal Voltage	3.87 v

AE2

Model	OP52JBUH
Manufacturer	HUIZHOU GOLDEN LAKE INDUSTRIAL CO., LTD
Specification	American Standard Charger

AE3

Model	DL143
Manufacturer	Freeport Resources Enterprises (Jiangxi) CO.,LTD

AE4

Model	MH156
Manufacturer	GuangDong Allwin Technology Co.,Ltd



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

3.4. General Description

The Equipment Under Test (EUT) is a model Mobile Phone with integrated antenna. It consists of normal options: lithium battery, charger. Manual and specifications of the EUT were provided to fulfil the test. Samples undergoing test were selected by the Client.



4. REFERENCE DOCUMENTS

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

Reference	Title	Version
FCC Part 22	PUBLIC MOBILE SERVICES	10-1-19 Edition
FCC Part 24	PERSONAL COMMUNICATIONS SERVICES	10-1-19 Edition
FCC Part 2	FREQUENCY ALLOCATIONS AND RADIO TREATY MATTERS; GENERAL RULES AND REGULATIONS	10-1-19 Edition
FCC Part 27	MISCELLANEOUS WIRELESS COMMUNICATIONS SERVICES	10-1-19 Edition
FCC Part 90	PRIVATE LAND MOBILE RADIO SERVICES	10-1-19 Edition
FCC Part 95	PERSONAL RADIO SERVICES	10-1-19 Edition
FCC Part 97	AMATEUR RADIO SERVICE	10-1-19 Edition
FCC Part 101	FIXED MICROWAVE SERVICES	10-1-19 Edition
ANSI C63.26	American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services	2015
KDB971168 D01	Power Meas License Digital Systems	v03r01

5. LABORATORY ENVIRONMENT

Shielded room did not exceed following limits along the RF testing:

Temperature	Min. = 15 °C, Max. = 35 °C
Relative humidity	Min. = 15 %, Max. = 75 %
Shielding effectiveness	0.014MHz-1MHz>60 dB; 1MHz-18000MHz>90 dB
Electrical insulation	>2 MΩ
Ground system resistance	< 4 Ω

Fully-anechoic chamber did not exceed following limits along the EMC testing

Temperature	Min. = 15 °C, Max. = 35 °C
Relative humidity	Min. = 15 %, Max. = 75 %
Shielding effectiveness	0.014MHz-1MHz> 60 dB; 1MHz-18000MHz>90 dB
Electrical insulation	> 2MΩ
Ground system resistance	< 4 Ω
Voltage Standing Wave Ratio (VSWR)	≤ 6 dB, from 1 to 18 GHz, 3 m distance
Uniformity of field strength	Between 0 and 6 dB, from 80 to 6000 MHz

6. SUMMARY OF TEST RESULTS

Abbreviations used in this clause:		
Verdict Column	P	Pass
	F	Fail
	NA	Not applicable
	NM	Not measured
Location Column	A/B/C/D	The test is performed in test location A, B, C or D which are described in section 1.4 of this report

LTE Band 2

Items	Test Name	Clause in FCC rules	Section in this report	Verdict
1	Output Power	2.1046/24.232	A.1	P
2	Field Strength of Spurious Radiation	2.1053/24.238	A.2	P
3	Frequency Stability	2.1055/24.235	A.3	P
4	Occupied Bandwidth	2.1049/24.238	A.4	P
5	Emission Bandwidth	2.1049/24.238	A.5	P
6	Band Edge Compliance	2.1051/24.238	A.6	P
7	Conducted Spurious Emission	2.1051/24.238	A.7	P
8	Peak-to-Average Power Ratio	24.232/ KDB971168 D01	A.8	P

LTE Band 7

Items	Test Name	Clause in FCC rules	Section in this report	Verdict
1	Output Power	2.1046/27.50(h)	A.1	P
2	Field Strength of Spurious Radiation	2.1053/27.53(m)	A.2	P
3	Frequency Stability	2.1055/27.54	A.3	P
4	Occupied Bandwidth	2.1049/27.53(m)	A.4	P
5	Emission Bandwidth	2.1049/27.53(m)	A.5	P
6	Band Edge Compliance	2.1051/27.53(m)	A.6	P
7	Conducted Spurious Emission	2.1051/27.53(m)	A.7	P
8	Peak-to-Average Power Ratio	27.50(a)/ KDB971168 D01	A.8	P

LTE Band 12

Items	Test Name	Clause in FCC rules	Section in this report	Verdict
1	Output Power	2.1046/27.50(c)	A.1	P
2	Field Strength of Spurious Radiation	2.1053/27.53(g)	A.2	P
3	Frequency Stability	2.1055/27.54	A.3	P
4	Occupied Bandwidth	2.1049/27.53(g)	A.4	P
5	Emission Bandwidth	2.1049/27.53(g)	A.5	P
6	Band Edge Compliance	2.1051/27.53(g)	A.6	P
7	Conducted Spurious Emission	2.1051/27.53(g)	A.7	P
8	Peak-to-Average Power Ratio	27.50(a)/ KDB971168 D01	A.8	P

LTE Band 26(814MHz-824MHz)

Items	Test Name	Clause in FCC rules	Section in this report	Verdict
1	Output Power	2.1046/90.635	A.1	P
2	Field Strength of Spurious Radiation	2.1053/90.691	A.2	P
3	Frequency Stability	2.1055/90.213	A.3	P
4	Occupied Bandwidth	2.1049/90.1215	A.4	P
5	Emission Bandwidth	2.1049/90.1215	A.5	P
6	Band Edge Compliance	2.1051/90.691	A.6	P
7	Conducted Spurious Emission	2.1051/90.691	A.7	P
8	Peak-to-Average Power Ratio	KDB971168 D01	A.8	P

LTE band 26(824MHz-849MHz)

Items	Test Name	Clause in FCC rules	Section in this report	Verdict
1	Output Power	2.1046/22.913	A.1	P
2	Field Strength of Spurious Radiation	2.1053/22.917	A.2	P
3	Frequency Stability	2.1055/22.355	A.3	P
4	Occupied Bandwidth	2.1049/22.917	A.4	P
5	Emission Bandwidth	2.1049/22.917	A.5	P
6	Band Edge Compliance	2.1051/22.917	A.6	P
7	Conducted Spurious Emission	2.1051/22.917	A.7	P
8	Peak-to-Average Power Ratio	KDB971168 D01	A.8	P

LTE Band 41

Items	Test Name	Clause in FCC rules	Section in this report	Verdict
1	Output Power	2.1046/27.50(h)	A.1	P
2	Field Strength of Spurious Radiation	2.1053/27.53(m)	A.2	P
3	Frequency Stability	2.1055/27.54	A.3	P
4	Occupied Bandwidth	2.1049/27.53(m)	A.4	P
5	Emission Bandwidth	2.1049/27.53(m)	A.5	P
6	Band Edge Compliance	2.1051/27.53(m)	A.6	P
7	Conducted Spurious Emission	2.1051/27.53(m)	A.7	P
8	Peak-to-Average Power Ratio	27.50(a)/ KDB971168 D01	A.8	P

LTE Band 66

Items	Test Name	Clause in FCC rules	Section in this report	Verdict
1	Output Power	2.1046/27.50(d)	A.1	P
2	Field Strength of Spurious Radiation	2.1053/27.53(h)	A.2	P
3	Frequency Stability	2.1055/27.54	A.3	P
4	Occupied Bandwidth	2.1049/27.53(h)	A.4	P
5	Emission Bandwidth	2.1049/27.53(h)	A.5	P
6	Band Edge Compliance	2.1051/27.53(h)	A.6	P
7	Conducted Spurious Emission	2.1051/27.53(h)	A.7	P
8	Peak-to-Average Power Ratio	27.50(a)/ KDB971168 D01	A.8	P

LTE Band CA_7C

Items	Test Name	Clause in FCC rules	Section in this report	Verdict
1	Output Power	2.1046/27.50(h)	A.1	P
2	Field Strength of Spurious Radiation	2.1053/27.53(m)	A.2	P
3	Frequency Stability	2.1055/27.54	A.3	P
4	Occupied Bandwidth	2.1049/27.53(m)	A.4	P
5	Emission Bandwidth	2.1049/27.53(m)	A.5	P
6	Band Edge Compliance	2.1051/27.53(m)	A.6	P
7	Conducted Spurious Emission	2.1051/27.53(m)	A.7	P
8	Peak-to-Average Power Ratio	27.50(a)/ KDB971168 D01	A.8	P

LTE Band CA_41C

Items	Test Name	Clause in FCC rules	Section in this report	Verdict
1	Output Power	2.1046/27.50(h)	A.1	P
2	Field Strength of Spurious Radiation	2.1053/27.53(m)	A.2	P
3	Frequency Stability	2.1055/27.54	A.3	P
4	Occupied Bandwidth	2.1049/27.53(m)	A.4	P
5	Emission Bandwidth	2.1049/27.53(m)	A.5	P
6	Band Edge Compliance	2.1051/27.53(m)	A.6	P
7	Conducted Spurious Emission	2.1051/27.53(m)	A.7	P
8	Peak-to-Average Power Ratio	27.50(a)/ KDB971168 D01	A.8	P



7. STATEMENT

Since the information of samples in this report is provided by the client, the laboratory is not responsible for the authenticity of sample information.

This report takes measured values as criterion of test conclusion. The test conclusion meets the limit requirements.

8. TEST EQUIPMENTS UTILIZED

NO.	Description	TYPE	Manufacture	series number	CAL DUE DATE
1	Test Receiver	ESR7	R&S	101676	2021-11-25
2	BiLog Antenna	VULB 9163	Schwarzbeck	9163-330	2024-03-22
3	Horn Antenna	3117	ETS-Lindgren	00066577	2022-04-02
4	Horn Antenna	QSH-SL-18 -26-S-20	Q-par	17013	2023-01-06
5	Antenna	BBHA 9120D	Schwarzbeck	1593	2022-12-05
6	Antenna	VUBA 9117	Schwarzbeck	207	2023-07-15
7	Antenna	QWH-SL-18 -40-K-SG	Q-par	15979	2023-01-06
8	preamplifier	83017A	Agilent	MY39501110	/
9	Signal Generator	SMB100A	R&S	179725	2021-11-25
10	Fully Anechoic Chamber	FACT3-2.0	ETS-Lindgren	1285	2021-07-19
11	Spectrum Analyzer	FSV40	R&S	101192	2022-01-13
12	Universal Radio Communication Tester	CMW500	R&S	152499	2021-07-16
13	Universal Radio Communication Tester	CMW500	R&S	129146	2022-04-24
14	Spectrum Analyzer	FSU	R&S	101506	2021-12-13
15	Temperature Chamber	SH-241	ESPEC	92007516	2021-10-15
16	DC Power Supply	U3606A	Agilent Technologies	MY50450012	2021-11-13

Test software

Item	Name	Vesion
Radiated	EMC32	V10.50.40

ANNEX A: MEASUREMENT RESULTS

A.1 OUTPUT POWER

Reference

FCC: CFR Part 2.1046, 22.913, 24.232, 27.50, 90.635.

A.1.1 Summary

During the process of testing, the EUT was controlled via Rhode & Schwarz Digital Radio Communication tester (CMW500) to ensure max power transmission and proper modulation.

This result contains peak output power and ERP/EIRP measurements for the EUT.

In all cases, output power is within the specified limits.

A.1.2 Conducted

A.1.2.1 Method of Measurements

The EUT was set up for the max output power with pseudo random data modulation.

These measurements were done at 3 frequencies (bottom, middle and top of operational frequency range) for each bandwidth.

A.1.2.2 Measurement result

LTE band 2

Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
1.4MHz	1 RB high	1909.3	23.62	23.01	21.85
		1880.0	23.66	22.91	21.87
		1850.7	23.55	22.89	21.76
	1 RB low	1909.3	23.65	22.93	21.94
		1880.0	23.64	22.93	21.95
		1850.7	23.55	22.86	21.79
	50% RB mid	1909.3	23.81	22.82	21.92
		1880.0	23.82	22.85	21.94
		1850.7	23.73	22.75	21.87
	100% RB	1909.3	22.79	21.87	20.84
		1880.0	22.81	21.87	20.84
		1850.7	22.68	21.79	20.70
3MHz	1 RB high	1908.5	23.67	22.93	21.92
		1880.0	23.66	22.97	21.89
		1851.5	23.59	22.91	21.77
	1 RB low	1908.5	23.68	22.99	21.92
		1880.0	23.66	22.98	21.78
		1851.5	23.56	22.83	21.73
	50% RB mid	1908.5	22.76	21.84	20.86
		1880.0	22.75	21.81	20.86
		1851.5	22.65	21.72	20.79

	100% RB	1908.5	22.75	21.78	20.79
		1880.0	22.70	21.78	20.79
		1851.5	22.61	21.62	20.65
5MHz	1 RB high	1907.5	23.51	22.88	21.68
		1880.0	23.51	22.80	21.74
		1852.5	23.48	22.77	21.69
	1 RB low	1907.5	23.56	22.87	21.73
		1880.0	23.59	22.82	21.77
		1852.5	23.48	22.77	21.62
	50% RB mid	1907.5	22.79	21.82	20.86
		1880.0	22.77	21.76	20.85
		1852.5	22.68	21.68	20.77
	100% RB	1907.5	22.74	21.72	20.78
		1880.0	22.70	21.74	20.75
		1852.5	22.65	21.64	20.68
10MHz	1 RB high	1905.0	23.65	22.94	21.83
		1880.0	23.64	22.88	21.77
		1855.0	23.54	22.85	21.71
	1 RB low	1905.0	23.69	23.03	21.86
		1880.0	23.68	22.93	21.86
		1855.0	23.58	22.88	21.79
	50% RB mid	1905.0	22.78	21.81	20.82
		1880.0	22.68	21.72	20.75
		1855.0	22.69	21.69	20.71
	100% RB	1905.0	22.72	21.73	20.82
		1880.0	22.67	21.70	20.72
		1855.0	22.71	21.71	20.72
15MHz	1 RB high	1902.5	23.58	22.88	21.87
		1880.0	23.55	22.82	21.82
		1857.5	23.51	22.84	21.79
	1 RB low	1902.5	23.63	22.95	21.92
		1880.0	23.62	22.94	21.80
		1857.5	23.55	22.86	21.72
	50% RB mid	1902.5	22.77	21.76	20.83
		1880.0	22.71	21.67	20.75
		1857.5	22.69	21.66	20.73
	100% RB	1902.5	22.77	21.78	20.79
		1880.0	22.70	21.72	20.71
		1857.5	22.69	21.68	20.69

20MHz	1 RB high	1900.0	23.55	22.74	21.80
		1880.0	23.50	22.83	21.69
		1860.0	23.44	22.75	21.71
	1 RB low	1900.0	23.54	22.90	21.73
		1880.0	23.56	22.92	21.85
		1860.0	23.45	22.78	21.76
	50% RB mid	1900.0	22.78	21.80	20.78
		1880.0	22.71	21.74	20.72
		1860.0	22.68	21.73	20.73
	100% RB	1900.0	22.83	21.83	20.86
		1880.0	22.59	21.60	20.62
		1860.0	22.69	21.68	20.72

Note: Expanded measurement uncertainty is $U = 0.49\text{dB}$, $k = 1.96$

LTE band 7

Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
5MHz	1 RB high	2567.5	23.47	22.71	21.71
		2535.0	23.24	22.48	21.45
		2502.5	23.27	22.52	21.41
	1 RB low	2567.5	23.40	22.65	21.57
		2535.0	23.21	22.50	21.40
		2502.5	23.26	22.47	21.43
	50% RB mid	2567.5	22.71	21.71	20.67
		2535.0	22.43	21.46	20.42
		2502.5	22.48	21.47	20.46
	100% RB	2567.5	22.62	21.66	20.58
		2535.0	22.38	21.42	20.35
		2502.5	22.41	21.43	20.38
10MHz	1 RB high	2565.0	23.63	22.84	21.82
		2535.0	23.35	22.66	21.53
		2505.0	23.34	22.68	21.55
	1 RB low	2565.0	23.44	22.69	21.67
		2535.0	23.31	22.55	21.48
		2505.0	23.31	22.53	21.57
	50% RB mid	2565.0	22.61	21.64	20.61
		2535.0	22.40	21.43	20.38
		2505.0	22.40	21.43	20.39
	100% RB	2565.0	22.63	21.65	20.62
		2535.0	22.41	21.44	20.38
		2505.0	22.37	21.43	20.37
15MHz	1 RB high	2562.5	23.59	22.87	21.80
		2535.0	23.32	22.58	21.60
		2507.5	23.33	22.62	21.48
	1 RB low	2562.5	23.35	22.59	21.57
		2535.0	23.22	22.53	21.47
		2507.5	23.26	22.53	21.48
	50% RB mid	2562.5	22.62	21.61	20.62
		2535.0	22.40	21.41	20.41
		2507.5	22.37	21.39	20.38
	100% RB	2562.5	22.55	21.56	20.54
		2535.0	22.38	21.40	20.37
		2507.5	22.38	21.41	20.39

20MHz	1 RB high	2560.0	23.49	22.68	21.77
		2535.0	23.26	22.53	21.45
		2510.0	23.24	22.58	21.50
	1 RB low	2560.0	23.21	22.50	21.37
		2535.0	23.12	22.36	21.41
		2510.0	23.15	22.36	21.33
	50% RB mid	2560.0	22.59	21.59	20.61
		2535.0	22.41	21.42	20.38
		2510.0	22.38	21.39	20.38
	100% RB	2560.0	22.48	21.53	20.52
		2535.0	22.28	21.31	20.29
		2510.0	22.37	21.41	20.37

Note: Expanded measurement uncertainty is $U = 0.49\text{dB}$, $k = 1.96$

LTE band 12

Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
1.4MHz	1 RB high	715.3	24.20	23.55	22.47
		707.5	24.42	23.66	22.58
		699.7	24.41	23.63	22.54
	1 RB low	715.3	24.17	23.47	22.37
		707.5	24.39	23.61	22.53
		699.7	24.44	23.64	22.56
	50% RB mid	715.3	24.32	23.33	22.45
		707.5	24.55	23.51	22.65
		699.7	24.59	23.56	22.70
	100% RB	715.3	23.33	22.39	21.30
		707.5	23.48	22.58	21.50
		699.7	23.54	22.59	21.54
3MHz	1 RB high	714.5	24.33	23.61	22.46
		707.5	24.48	23.75	22.63
		700.5	24.53	23.80	22.72
	1 RB low	714.5	24.29	23.50	22.49
		707.5	24.48	23.74	22.61
		700.5	24.52	23.72	22.65
	50% RB mid	714.5	23.32	22.40	21.37
		707.5	23.52	22.60	21.56
		700.5	23.58	22.64	21.56
	100% RB	714.5	23.28	22.34	21.27
		707.5	23.50	22.57	21.50
		700.5	23.50	22.56	21.47
5MHz	1 RB high	713.5	24.22	23.55	22.40
		707.5	24.34	23.60	22.54
		701.5	24.45	23.65	22.60
	1 RB low	713.5	24.27	23.50	22.37
		707.5	24.37	23.60	22.54
		701.5	24.37	23.64	22.55
	50% RB mid	713.5	23.39	22.40	21.39
		707.5	23.57	22.56	21.58
		701.5	23.59	22.59	21.58
	100% RB	713.5	23.39	22.35	21.32
		707.5	23.55	22.57	21.53
		701.5	23.56	22.59	21.59
10MHz	1 RB high	711.0	24.35	23.64	22.52

		707.5	24.50	23.67	22.58
		704.0	24.53	23.81	22.66
	1 RB low	711.0	24.46	23.70	22.64
		707.5	24.48	23.74	22.64
		704.0	24.48	23.68	22.65
	50% RB mid	711.0	23.48	22.48	21.47
		707.5	23.58	22.63	21.57
		704.0	23.60	22.59	21.57
	100% RB	711.0	23.50	22.50	21.45
		707.5	23.59	22.57	21.54
		704.0	23.62	22.62	21.60

Note: Expanded measurement uncertainty is $U = 0.49\text{dB}$, $k = 1.96$

LTE band 26(814MHz-824MHz)

Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
1.4MHz	1 RB high	823.3	23.63	22.94	21.87
		819.0	23.72	22.93	21.90
		814.7	23.83	22.82	21.98
	1 RB low	823.3	23.75	22.75	21.89
		819.0	23.88	22.83	22.03
		814.7	22.76	21.91	20.79
	50% RB mid	823.3	22.76	21.87	20.74
		819.0	22.82	21.98	20.88
		814.7	23.68	22.95	21.97
	100% RB	823.3	23.67	22.90	21.89
		819.0	23.73	22.96	21.92
		814.7	23.74	23.09	21.89
3MHz	1 RB high	822.5	23.67	23.00	21.86
		819.0	23.76	23.01	21.97
		815.5	22.77	21.89	20.88
	1 RB low	822.5	22.73	21.79	20.83
		819.0	22.83	21.94	20.91
		815.5	22.72	21.80	20.78
	50% RB mid	822.5	22.71	21.76	20.76
		819.0	22.79	21.88	20.82
		815.5	23.57	22.85	21.76
	100% RB	822.5	23.56	22.84	21.76
		819.0	23.60	22.90	21.89
		815.5	23.63	22.98	21.85
5MHz	1 RB high	821.5	23.57	22.80	21.78
		819.0	23.67	22.94	21.87
		816.5	22.79	21.86	20.85
	1 RB low	821.5	22.77	21.81	20.81
		819.0	22.83	21.87	20.92
		816.5	22.78	21.80	20.80
	50% RB mid	821.5	22.69	21.71	20.70
		819.0	22.81	21.82	20.83
		816.5	23.67	22.98	21.93
	100% RB	821.5	23.66	22.92	21.89
		819.0	23.72	23.10	22.02
		816.5	23.79	23.09	21.99
10MHz	1 RB high	819.0	23.66	22.92	21.89



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	1 RB low	819.0	23.71	22.96	21.93
	50% RB mid	819.0	22.73	21.73	20.74
	100% RB	819.0	22.69	21.72	20.71

Note: Expanded measurement uncertainty is $U = 0.49\text{dB}$, $k = 1.96$

LTE band 26(824MHz-849MHz)

Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
1.4MHz	1 RB high	848.3	23.87	23.09	22.06
		836.5	23.88	23.15	22.03
		824.7	23.89	23.10	21.99
	1 RB low	848.3	23.84	23.07	22.10
		836.5	23.90	23.20	22.11
		824.7	23.89	23.10	22.03
	50% RB mid	848.3	24.03	23.05	22.14
		836.5	24.08	23.03	22.19
		824.7	24.03	22.98	22.10
	100% RB	848.3	23.02	22.09	20.95
		836.5	23.02	22.08	20.94
		824.7	22.99	22.05	20.91
3MHz	1 RB high	847.5	23.95	23.23	22.18
		836.5	23.98	23.27	22.11
		825.5	23.98	23.19	22.17
	1 RB low	847.5	23.90	23.21	22.05
		836.5	23.97	23.21	22.09
		825.5	23.96	23.26	22.11
	50% RB mid	847.5	23.04	22.08	20.96
		836.5	23.07	22.09	21.02
		825.5	23.03	22.04	20.98
	100% RB	847.5	22.99	21.98	20.91
		836.5	23.05	22.00	20.98
		825.5	22.96	21.94	20.90
5MHz	1 RB high	846.5	23.84	23.16	22.02
		836.5	23.85	23.13	22.03
		826.5	23.87	23.11	22.05
	1 RB low	846.5	23.78	23.06	21.98
		836.5	23.87	23.14	22.03
		826.5	23.85	23.11	21.99
	50% RB mid	846.5	23.05	21.99	20.94
		836.5	23.08	22.05	20.99
		826.5	23.06	22.02	21.00
	100% RB	846.5	23.03	21.95	20.92
		836.5	23.02	22.03	20.94
		826.5	23.03	21.98	20.98
10MHz	1 RB high	844.0	23.95	23.25	22.19

		836.5	24.00	23.28	22.18
		829.0	24.08	23.35	22.15
	1 RB low	844.0	23.94	23.28	22.13
		836.5	23.99	23.24	22.10
		829.0	23.95	23.17	22.04
	50% RB mid	844.0	23.02	22.03	20.97
		836.5	23.11	22.07	21.01
		829.0	23.04	22.06	21.03
	100% RB	844.0	23.08	22.03	20.98
		836.5	23.10	22.08	21.04
		829.0	23.14	22.16	21.12
15MHz	1 RB high	841.5	23.93	23.21	22.08
		836.5	23.98	23.34	22.14
		831.5	24.02	23.29	22.07
	1 RB low	841.5	23.85	23.19	22.02
		836.5	23.95	23.20	22.07
		831.5	23.90	23.13	22.06
	50% RB mid	841.5	23.11	22.04	21.01
		836.5	23.12	22.06	21.04
		831.5	23.14	22.10	21.07
	100% RB	841.5	23.05	22.01	20.94
		836.5	23.10	22.07	21.00
		831.5	23.11	22.05	21.03

Note: Expanded measurement uncertainty is $U = 0.49\text{dB}$, $k = 1.96$

LTE band 41

Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
5MHz	1 RB high	2687.5	23.72	22.73	21.51
		2593.0	23.39	22.49	21.23
		2498.5	23.31	22.39	21.18
	1 RB low	2687.5	23.73	22.79	21.57
		2593.0	23.38	22.43	21.19
		2498.5	23.32	22.38	21.13
	50% RB mid	2687.5	22.95	21.80	20.83
		2593.0	22.59	21.49	20.51
		2498.5	22.49	21.46	20.46
	100% RB	2687.5	22.82	21.91	20.91
		2593.0	22.55	21.56	20.55
		2498.5	22.42	21.48	20.49
10MHz	1 RB high	2685.0	23.73	22.80	21.62
		2593.0	23.54	22.62	21.35
		2501.0	23.41	22.51	21.26
	1 RB low	2685.0	23.89	22.94	21.70
		2593.0	23.47	22.58	21.29
		2501.0	23.43	22.53	21.31
	50% RB mid	2685.0	22.90	21.97	20.98
		2593.0	22.58	21.57	20.56
		2501.0	22.49	21.51	20.54
	100% RB	2685.0	22.80	21.89	20.83
		2593.0	22.50	21.50	20.46
		2501.0	22.44	21.50	20.41
15MHz	1 RB high	2682.5	23.62	22.69	21.50
		2593.0	23.38	22.52	21.24
		2503.5	23.34	22.46	21.18
	1 RB low	2682.5	23.70	22.84	21.62
		2593.0	23.34	22.41	21.20
		2503.5	23.34	22.43	21.20
	50% RB mid	2682.5	22.86	21.86	20.88
		2593.0	22.59	21.52	20.54
		2503.5	22.54	21.44	20.44
	100% RB	2682.5	22.76	21.85	20.78
		2593.0	22.41	21.48	20.39
		2503.5	22.43	21.45	20.37

20MHz	1 RB high	2680.0	23.58	22.63	21.39
		2593.0	23.38	22.46	21.21
		2506.0	23.26	22.37	21.09
	1 RB low	2680.0	23.57	22.72	21.47
		2593.0	23.30	22.38	21.09
		2506.0	23.29	22.37	21.12
	50% RB mid	2680.0	22.76	21.83	20.78
		2593.0	22.44	21.45	20.42
		2506.0	22.45	21.43	20.40
	100% RB	2680.0	22.68	21.83	20.78
		2593.0	22.53	21.50	20.47
		2506.0	22.38	21.47	20.43

Note: Expanded measurement uncertainty is $U = 0.49\text{dB}$, $k = 1.96$

LTE band 66

Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
1.4MHz	1 RB high	1769.3	23.41	22.67	21.65
		1740.0	23.48	22.81	21.77
		1710.7	23.46	22.74	21.72
	1 RB low	1769.3	23.42	22.70	21.60
		1740.0	23.48	22.76	21.73
		1710.7	23.47	22.73	21.70
	50% RB mid	1769.3	23.56	22.61	21.73
		1740.0	23.61	22.68	21.78
		1710.7	23.66	22.62	21.81
	100% RB	1769.3	22.53	21.67	20.54
		1740.0	22.61	21.72	20.60
		1710.7	22.63	21.72	20.59
3MHz	1 RB high	1768.5	23.40	22.64	21.67
		1740.0	23.47	22.79	21.76
		1711.5	23.46	22.76	21.69
	1 RB low	1768.5	23.41	22.67	21.64
		1740.0	23.50	22.83	21.68
		1711.5	23.50	22.77	21.70
	50% RB mid	1768.5	22.47	21.58	20.52
		1740.0	22.55	21.66	20.61
		1711.5	22.58	21.71	20.60
	100% RB	1768.5	22.45	21.50	20.44
		1740.0	22.54	21.57	20.55
		1711.5	22.53	21.57	20.53
5MHz	1 RB high	1767.5	23.29	22.52	21.45
		1740.0	23.37	22.71	21.63
		1712.5	23.37	22.59	21.55
	1 RB low	1767.5	23.31	22.52	21.47
		1740.0	23.39	22.66	21.60
		1712.5	23.42	22.64	21.57
	50% RB mid	1767.5	22.52	21.54	20.56
		1740.0	22.60	21.64	20.61
		1712.5	22.57	21.59	20.58
	100% RB	1767.5	22.50	21.48	20.43
		1740.0	22.57	21.57	20.59
		1712.5	22.53	21.56	20.50
10MHz	1 RB high	1765.0	23.40	22.69	21.59

		1740.0	23.49	22.83	21.76
		1712.5	23.45	22.75	21.70
	1 RB low	1765.0	23.45	22.75	21.64
		1740.0	23.50	22.74	21.69
		1712.5	23.53	22.77	21.75
	50% RB mid	1765.0	22.53	21.52	20.45
		1740.0	22.61	21.68	20.65
		1712.5	22.56	21.65	20.58
	100% RB	1765.0	22.54	21.52	20.49
		1740.0	22.59	21.65	20.59
		1712.5	22.64	21.65	20.61
15MHz	1 RB high	1762.5	23.32	22.61	21.58
		1740.0	23.41	22.74	21.69
		1717.5	23.38	22.73	21.64
	1 RB low	1762.5	23.45	22.73	21.67
		1740.0	23.46	22.74	21.65
		1717.5	23.48	22.69	21.65
	50% RB mid	1762.5	22.48	21.50	20.43
		1740.0	22.54	21.57	20.58
		1717.5	22.54	21.59	20.58
	100% RB	1762.5	22.38	21.42	20.40
		1740.0	22.58	21.60	20.58
		1717.5	22.59	21.63	20.58
20MHz	1 RB high	1760.0	23.20	22.54	21.43
		1740.0	23.31	22.64	21.61
		1720.0	23.20	22.52	21.47
	1 RB low	1760.0	23.41	22.75	21.59
		1740.0	23.33	22.67	21.50
		1720.0	23.37	22.62	21.54
	50% RB mid	1760.0	22.47	21.49	20.49
		1740.0	22.52	21.57	20.57
		1720.0	22.54	21.57	20.55
	100% RB	1760.0	22.29	21.33	20.32
		1740.0	22.51	21.55	20.53
		1720.0	22.61	21.66	20.64

Note: Expanded measurement uncertainty is $U = 0.49\text{dB}$, $k = 1.96$

LTE band CA_7C

Bandwidth	Frequency (MHz)	Frequency (MHz)	Modulation	PCC RB		SCC RB		Conducted Power(dBm)
				Size	Offset	Size	Offset	
15MHz/10 MHz	2507.5	2519.5	QPSK	1	74	1	0	23.25
				75	0	50	0	23.29
			16QAM	1	74	1	0	23.36
				75	0	50	0	23.25
			64QAM	1	74	1	0	22.81
				75	0	50	0	22.75
	2530.1	2542.1	QPSK	1	74	1	0	23.36
				75	0	50	0	23.26
			16QAM	1	74	1	0	23.17
				75	0	50	0	23.02
			64QAM	1	74	1	0	22.71
				75	0	50	0	22.63
	2552.7	2564.7	QPSK	1	74	1	0	23.32
				75	0	50	0	23.55
			16QAM	1	74	1	0	23.50
				75	0	50	0	23.39
			64QAM	1	74	1	0	22.83
				75	0	50	0	22.80
10MHz/20 MHz	2505.5	2519.9	QPSK	1	49	1	0	23.13
				50	0	100	0	21.27
			16QAM	1	49	1	0	22.21
				50	0	100	0	19.94
			64QAM	1	49	1	0	21.36
				50	0	100	0	19.16
	2525.6	2540.0	QPSK	1	49	1	0	23.31
				50	0	100	0	21.40
			16QAM	1	49	1	0	22.40
				50	0	100	0	20.46
			64QAM	1	49	1	0	21.61
				50	0	100	0	19.63
	2545.6	2560.0	QPSK	1	49	1	0	23.55
				50	0	100	0	21.55
			16QAM	1	49	1	0	22.47
				50	0	100	0	20.59
			64QAM	1	49	1	0	21.72
				50	0	100	0	19.75
20MHz/10 MHz	2510.0	2524.4	QPSK	1	99	1	0	23.39
				100	0	50	0	21.38

			16QAM	1	99	1	0	22.29
				100	0	50	0	20.30
			64QAM	1	99	1	0	21.45
				100	0	50	0	19.51
	2530.1	2544.5	QPSK	1	99	1	0	23.50
				100	0	50	0	21.33
			16QAM	1	99	1	0	22.17
				100	0	50	0	20.01
			64QAM	1	99	1	0	21.33
				100	0	50	0	19.21
	2550.1	2564.5	QPSK	1	99	1	0	23.40
				100	0	50	0	21.18
			16QAM	1	99	1	0	22.30
				100	0	50	0	20.38
			64QAM	1	99	1	0	21.49
				100	0	50	0	19.45
15MHz/15 MHz	2507.5	2522.5	QPSK	1	74	1	0	23.22
				75	0	75	0	21.31
			16QAM	1	74	1	0	22.40
				75	0	75	0	20.23
			64QAM	1	74	1	0	21.56
				75	0	75	0	19.41
	2527.5	2542.5	QPSK	1	74	1	0	23.44
				75	0	75	0	21.54
			16QAM	1	74	1	0	22.78
				75	0	75	0	20.43
			64QAM	1	74	1	0	21.72
				75	0	75	0	19.63
	2547.5	2562.5	QPSK	1	74	1	0	23.28
				75	0	75	0	21.54
			16QAM	1	74	1	0	22.01
				75	0	75	0	20.55
			64QAM	1	74	1	0	21.12
				75	0	75	0	19.66
15MHz/20 MHz	2507.8	2524.9	QPSK	1	74	1	0	23.35
				75	0	100	0	21.28
			16QAM	1	74	1	0	22.18
				75	0	100	0	20.28
			64QAM	1	74	1	0	21.32
				75	0	100	0	19.45
			QPSK	1	74	1	0	23.45
				1	74	1	0	23.45
	2525.3	2542.4	QPSK	1	74	1	0	23.45

			16QAM	75	0	100	0	21.60
				1	74	1	0	22.26
				75	0	100	0	20.35
			64QAM	1	74	1	0	21.36
				75	0	100	0	19.48
	2542.9	2560.0	QPSK	1	74	1	0	23.49
				75	0	100	0	21.54
			16QAM	1	74	1	0	22.64
				75	0	100	0	20.54
			64QAM	1	74	1	0	21.72
				75	0	100	0	19.75
20MHz/15 MHz	2510.0	2527.1	QPSK	1	99	1	0	23.33
				100	0	75	0	21.29
			16QAM	1	99	1	0	22.18
				100	0	75	0	20.19
			64QAM	1	99	1	0	21.28
				100	0	75	0	19.33
	2527.6	2544.7	QPSK	1	99	1	0	23.45
				100	0	75	0	21.06
			16QAM	1	99	1	0	22.33
				100	0	75	0	19.99
			64QAM	1	99	1	0	21.45
				100	0	75	0	19.21
	2545.1	2562.2	QPSK	1	99	1	0	23.50
				100	0	75	0	21.45
			16QAM	1	99	1	0	22.30
				100	0	75	0	20.37
			64QAM	1	99	1	0	21.46
				100	0	75	0	19.45
20MHz/20 MHz	2510.0	2529.8	QPSK	1	99	1	0	23.13
				100	0	100	0	21.14
			16QAM	1	99	1	0	22.34
				100	0	100	0	20.20
			64QAM	1	99	1	0	21.55
				100	0	100	0	19.32
	2525.1	2544.9	QPSK	1	99	1	0	23.43
				100	0	100	0	21.36
			16QAM	1	99	1	0	22.61
				100	0	100	0	20.28
			64QAM	1	99	1	0	21.63
				100	0	100	0	19.33



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	2540.2	2560.0	QPSK	1	99	1	0	23.51
				100	0	100	0	21.48
			16QAM	1	99	1	0	22.51
				100	0	100	0	20.37
			64QAM	1	99	1	0	21.53
				100	0	100	0	19.42

LTE band CA_41C

Bandwidth	Frequency (MHz)	Frequency (MHz)	Modulation	PCC RB		SCC RB		Conducted Power(dBm)
				Size	Offset	Size	Offset	
5MHz/20M Hz	2668.3	2680.0	QPSK	1	24	1	0	23.42
				25	0	100	0	21.82
			16QAM	1	24	1	0	22.40
				25	0	100	0	20.72
			64QAM	1	24	1	0	21.51
				25	0	100	0	19.83
	2583.8	2595.5	QPSK	1	24	1	0	22.95
				25	0	100	0	21.10
			16QAM	1	24	1	0	22.31
				25	0	100	0	20.17
			64QAM	1	24	1	0	21.96
				25	0	100	0	19.33
	2499.3	2511.0	QPSK	1	24	1	0	22.78
				25	0	100	0	21.03
			16QAM	1	24	1	0	22.06
				25	0	100	0	20.18
			64QAM	1	24	1	0	21.56
				25	0	100	0	19.25
20MHz/5M Hz	2675.0	2686.7	QPSK	1	99	1	0	23.58
				100	0	25	0	21.31
			16QAM	1	99	1	0	22.52
				100	0	25	0	20.71
			64QAM	1	99	1	0	21.63
				100	0	25	0	19.85
	2590.5	2602.2	QPSK	1	99	1	0	23.28
				100	0	25	0	21.13
			16QAM	1	99	1	0	22.02
				100	0	25	0	20.27
			64QAM	1	99	1	0	21.12
				100	0	25	0	19.36
	2506.0	2517.7	QPSK	1	99	1	0	23.42
				100	0	25	0	21.31
			16QAM	1	99	1	0	22.43
				100	0	25	0	20.11
			64QAM	1	99	1	0	21.56
				100	0	25	0	19.26
10MHz/15 MHz	2670.5	2682.5	QPSK	1	49	1	0	23.69
				50	0	75	0	23.58

			16QAM	1	49	1	0	23.41
				50	0	75	0	23.55
			64QAM	1	49	1	0	22.98
				50	0	75	0	22.88
	2585.9	2597.9	QPSK	1	49	1	0	23.38
				50	0	75	0	23.51
			16QAM	1	49	1	0	22.98
				50	0	75	0	23.13
			64QAM	1	49	1	0	22.81
				50	0	75	0	22.83
	2501.3	2513.3	QPSK	1	49	1	0	23.10
				50	0	75	0	23.12
			16QAM	1	49	1	0	23.10
				50	0	75	0	22.83
			64QAM	1	49	1	0	22.96
				50	0	75	0	22.73
15MHz/10 MHz	2672.7	2684.7	QPSK	1	74	1	0	23.45
				75	0	50	0	23.41
			16QAM	1	74	1	0	23.51
				75	0	50	0	23.25
			64QAM	1	74	1	0	23.05
				75	0	50	0	23.06
	2588.1	2600.1	QPSK	1	74	1	0	23.44
				75	0	50	0	23.42
			16QAM	1	74	1	0	23.01
				75	0	50	0	23.15
			64QAM	1	74	1	0	23.06
				75	0	50	0	22.95
	2503.5	2515.5	QPSK	1	74	1	0	23.24
				75	0	50	0	23.27
			16QAM	1	74	1	0	23.21
				75	0	50	0	23.10
			64QAM	1	74	1	0	23.01
				75	0	50	0	22.96
10MHz/20 MHz	2665.6	2680.0	QPSK	1	49	1	0	23.50
				50	0	100	0	21.62
			16QAM	1	49	1	0	22.38
				50	0	100	0	20.68
			64QAM	1	49	1	0	21.49
				50	0	100	0	19.81
			QPSK	1	49	1	0	23.33
				50	0	100	0	23.33

				50	0	100	0	20.85
				1	49	1	0	22.23
				50	0	100	0	20.49
				1	49	1	0	21.32
				50	0	100	0	19.55
				1	49	1	0	23.15
			2501.5	50	0	100	0	21.21
				1	49	1	0	22.21
				50	0	100	0	20.21
				1	49	1	0	21.36
				50	0	100	0	19.32
				1	99	1	0	23.61
20MHz/10 MHz	2670.1	2684.5	QPSK	100	0	50	0	21.63
				1	99	1	0	22.62
			16QAM	100	0	50	0	20.50
				1	99	1	0	21.75
			64QAM	100	0	50	0	19.64
				1	99	1	0	23.39
	2588.1	2602.5	QPSK	100	0	50	0	21.48
				1	99	1	0	22.03
			16QAM	100	0	50	0	20.22
				1	99	1	0	21.21
			64QAM	100	0	50	0	19.36
				1	99	1	0	23.44
	2506.0	2520.4	QPSK	100	0	50	0	21.27
				1	99	1	0	22.44
			16QAM	100	0	50	0	20.02
				1	99	1	0	21.56
			64QAM	100	0	50	0	19.24
				1	99	1	0	23.55
15MHz/15 MHz	2667.5	2682.5	QPSK	75	0	75	0	21.69
				1	74	1	0	22.59
			16QAM	75	0	75	0	20.67
				1	74	1	0	21.68
			64QAM	75	0	75	0	19.75
				1	74	1	0	22.96
	2585.5	2600.5	QPSK	75	0	75	0	21.05
				1	74	1	0	22.14
			16QAM	75	0	75	0	20.03
				1	74	1	0	21.23
			64QAM	75	0	75	0	19.12
				1	74	1	0	21.23

	2503.5	2518.5	QPSK	1	74	1	0	23.20
				75	0	75	0	21.26
			16QAM	1	74	1	0	22.09
				75	0	75	0	20.32
			64QAM	1	74	1	0	21.22
				75	0	75	0	19.36
15MHz/20 MHz	2662.9	2680.0	QPSK	1	74	1	0	23.51
				75	0	100	0	21.60
			16QAM	1	74	1	0	22.50
				75	0	100	0	20.54
			64QAM	1	74	1	0	21.63
				75	0	100	0	19.64
	2583.3	2600.4	QPSK	1	74	1	0	23.34
				75	0	100	0	21.30
			16QAM	1	74	1	0	22.05
				75	0	100	0	20.22
			64QAM	1	74	1	0	21.12
				75	0	100	0	19.32
	2503.8	2520.9	QPSK	1	74	1	0	23.40
				75	0	100	0	21.37
			16QAM	1	74	1	0	22.36
				75	0	100	0	20.39
			64QAM	1	74	1	0	21.45
				75	0	100	0	19.48
20MHz/15 MHz	2665.1	2682.2	QPSK	1	99	1	0	23.50
				100	0	75	0	21.30
			16QAM	1	99	1	0	22.58
				100	0	75	0	20.55
			64QAM	1	99	1	0	21.66
				100	0	75	0	19.63
	2585.6	2602.7	QPSK	1	99	1	0	23.03
				100	0	75	0	21.51
			16QAM	1	99	1	0	22.13
				100	0	75	0	20.18
			64QAM	1	99	1	0	21.18
				100	0	75	0	19.21
	2506.0	2523.1	QPSK	1	99	1	0	23.43
				100	0	75	0	21.35
			16QAM	1	99	1	0	22.50
				100	0	75	0	20.35
			64QAM	1	99	1	0	21.64
				1	99	1	0	21.64

				100	0	75	0	19.45
20MHz/20 MHz	2660.2	2680.0	QPSK	1	99	1	0	23.36
				100	0	100	0	21.56
			16QAM	1	99	1	0	22.38
				100	0	100	0	20.49
			64QAM	1	99	1	0	21.45
				100	0	100	0	19.51
	2583.1	2602.9	QPSK	1	99	1	0	22.93
				100	0	100	0	21.17
			16QAM	1	99	1	0	22.48
				100	0	100	0	20.54
			64QAM	1	99	1	0	21.51
				100	0	100	0	19.62
	2506.0	2525.8	QPSK	1	99	1	0	23.39
				100	0	100	0	21.44
			16QAM	1	99	1	0	22.42
				100	0	100	0	20.35
			64QAM	1	99	1	0	21.53
				100	0	100	0	19.45

A.1.3 Radiated

A.1.3.1 Description

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

Rule Part 24.232(b) specifies, "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."

Rule Part 27.50(d) specifies "Fixed, mobile, and portable (handheld) stations operating in the 1710–1755 MHz band are limited to 1 watt EIRP".

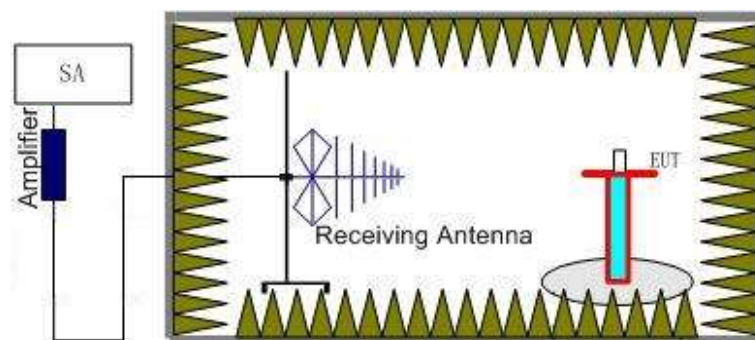
Rule Part 27.50(h)(2) specifies "Mobile stations are limited to 2.0 watts EIRP".

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

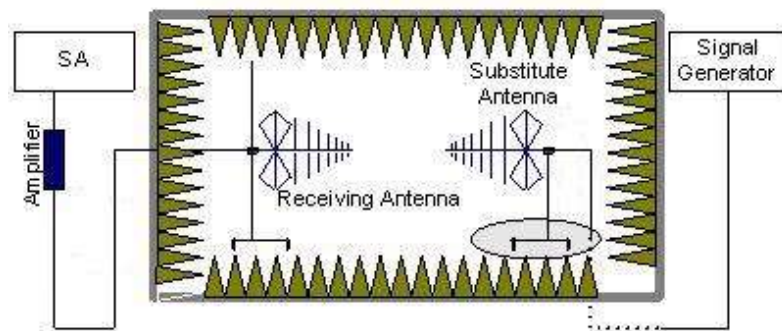
Rule Part 27.50(a)(3) specifies "For mobile and portable stations transmitting in the 2305–2315 MHz band or the 2350–2360 MHz band, the average EIRP must not exceed 50 milliwatts within any 1 megahertz of authorized bandwidth, except that for mobile and portable stations compliant with 3GPP LTE standards or another advanced mobile broadband protocol that avoids concentrating energy at the edge of the operating band the average EIRP must not exceed 250 milliwatts within any 5 megahertz of authorized bandwidth but may exceed 50 milliwatts within any 1 megahertz of authorized bandwidth." Rule Part 90.635(b) specifies "The maximum output power of the transmitter for mobile stations is 100 watts (20 dBw)."

A.1.3.2 Method of Measurement

1. For radiated emissions measurements performed at frequencies less than or equal to 1 GHz, EUT was placed on a 80 cm high non-conductive stand at a 3 meter test distance from the receive antenna. For radiated measurements performed at frequencies above 1 GHz, EUT was placed on a 1.5 meter high non-conductive stand at a 3 meter test distance from the receive antenna. Receiving antenna was placed on the antenna mast 3 meters from the EUT. For emission measurements. The receiving antenna shall be varied from 1 m to 4 m in height above the reference ground in a search for the relative positioning that produces the maximum radiated signal level. The test setup refers to figure below. Detected emissions were maximized at each frequency by rotating the EUT through 360° and adjusting the receiving antenna polarization. The radiated emission measurements of all transmit frequencies in three channels (High, Middle, Low) were measured with peak detector.



2. The EUT is then put into continuously transmitting mode at its maximum power level during the test. And the maximum value of the receiver should be recorded as (Pr).
3. The EUT shall be replaced by a substitution antenna. The test setup refers to figure below.



In the chamber, a substitution antenna for the frequency band of interest is placed at the reference point of the chamber. An RF signal source for the frequency band of interest is connected to the substitution antenna with a cable that has been constructed to not interfere with the radiation pattern of the antenna. A power (P_{Mea}) is applied to the input of the substitution antenna and adjusts the level of the signal generator output until the value of the receiver reaches the previously recorded (P_r). The power of signal source (P_{Mea}) is recorded. The test should be performed by rotating the test item and adjusting the receiving antenna polarization.

4. An amplifier should be connected to the Signal Source output port. And the cable should be connected between the amplifier and the substitution antenna.

The cable loss (P_{cl}), the substitution Antenna Gain(dBi) (G_a) and the amplifier Gain (P_{Ag}) should be recorded after test.

The measurement results are obtained as described below:

$$\text{Power (EIRP)} = P_{Mea} - P_{Ag} - P_{cl} + G_a$$

5. This value is EIRP since the measurement is calibrated using an antenna of known gain (unit dBi) and known input power.
6. ERP can be calculated from EIRP by subtracting the gain of the dipole, $ERP = EIRP - 2.15\text{dB}$.

A.1.3.3 Measurement result

Upper antenna

LTE Band 2- EIRP Part 24. 232(b)

Limits: $\leq 33\text{dBm}$ (2W)

LTE Band 2_1.4MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1850.70	-15.24	-29.30	8.10	22.16	33.00	H
1880.00	-14.89	-29.40	8.10	22.61	33.00	H
1909.30	-14.90	-29.30	8.10	22.50	33.00	H

LTE Band 2_3MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1851.50	-14.55	-29.30	8.10	22.85	33.00	H
1880.00	-14.58	-29.40	8.10	22.92	33.00	H
1908.50	-14.78	-29.30	8.10	22.62	33.00	H

LTE Band 2_5MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1852.50	-14.62	-29.30	8.10	22.78	33.00	H
1880.00	-14.79	-29.40	8.10	22.71	33.00	H
1907.50	-15.04	-29.30	8.10	22.36	33.00	H

LTE Band 2_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1855.00	-14.68	-29.30	8.10	22.72	33.00	H
1880.00	-14.98	-29.40	8.10	22.52	33.00	H
1905.00	-15.18	-29.30	8.10	22.22	33.00	H

LTE Band 2_15MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1857.50	-14.78	-29.30	8.10	22.62	33.00	H
1880.00	-15.10	-29.40	8.10	22.40	33.00	H
1902.50	-14.92	-29.30	8.10	22.49	33.00	H

LTE Band 2_20 MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1860.00	-15.09	-29.30	8.10	22.31	33.00	H
1880.00	-15.32	-29.40	8.10	22.18	33.00	H
1900.00	-14.57	-29.30	8.10	22.83	33.00	H

LTE Band 2_1.4MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1850.70	-14.48	-29.30	8.10	22.92	33.00	H
1880.00	-14.66	-29.40	8.10	22.84	33.00	H
1909.30	-14.41	-29.30	8.10	22.99	33.00	H

LTE Band 2_3MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1851.50	-14.69	-29.30	8.10	22.71	33.00	H
1880.00	-14.67	-29.40	8.10	22.83	33.00	H
1908.50	-14.78	-29.30	8.10	22.62	33.00	H

LTE Band 2_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1852.50	-14.78	-29.30	8.10	22.63	33.00	H
1880.00	-14.76	-29.40	8.10	22.74	33.00	H
1907.50	-14.93	-29.30	8.10	22.47	33.00	H

LTE Band 2_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1855.00	-14.68	-29.30	8.10	22.72	33.00	H
1880.00	-14.75	-29.40	8.10	22.75	33.00	H
1905.00	-14.99	-29.30	8.10	22.41	33.00	H

LTE Band 2_15MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1857.50	-14.94	-29.30	8.10	22.46	33.00	H
1880.00	-14.86	-29.40	8.10	22.64	33.00	H
1902.50	-14.79	-29.30	8.10	22.61	33.00	H

LTE Band 2_20 MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1860.00	-15.04	-29.30	8.10	22.36	33.00	H
1880.00	-15.00	-29.40	8.10	22.50	33.00	H
1900.00	-15.23	-29.30	8.10	22.17	33.00	H

LTE Band 2_1.4MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1850.70	-14.92	-29.30	8.10	22.48	33.00	H
1880.00	-14.77	-29.40	8.10	22.73	33.00	H
1909.30	-14.83	-29.30	8.10	22.57	33.00	H

LTE Band 2_3MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1851.50	-15.23	-29.30	8.10	22.17	33.00	H
1880.00	-14.99	-29.40	8.10	22.51	33.00	H
1908.50	-15.00	-29.30	8.10	22.40	33.00	H

LTE Band 2_5MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1852.50	-15.03	-29.30	8.10	22.37	33.00	H
1880.00	-14.88	-29.40	8.10	22.62	33.00	H
1907.50	-15.19	-29.30	8.10	22.21	33.00	H

LTE Band 2_10MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1855.00	-15.08	-29.30	8.10	22.33	33.00	H
1880.00	-14.99	-29.40	8.10	22.51	33.00	H
1905.00	-14.98	-29.30	8.10	22.42	33.00	H

LTE Band 2_15MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1857.50	-14.68	-29.30	8.10	22.72	33.00	H
1880.00	-14.87	-29.40	8.10	22.63	33.00	H
1902.50	-14.57	-29.30	8.10	22.84	33.00	H

LTE Band 2_20 MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1860.00	-14.78	-29.30	8.10	22.62	33.00	H
1880.00	-15.07	-29.40	8.10	22.43	33.00	H
1900.00	-14.89	-29.30	8.10	22.51	33.00	H

Peak EIRP (dBm)=P_{Mea}(-15.54dBm)-(P_{cl}+P_{Ag})(-29.30dB)+G_a(8.10dB)=21.86dBm

LTE Band 7- EIRP Part 27.50(h)(2)
Limits: ≤33 dBm (2W)

LTE Band 7_5MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	G _a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2502.50	-18.04	-28.70	10.70	21.36	33.00	H
2535.00	-17.57	-28.60	10.70	21.73	33.00	H
2567.50	-17.51	-28.60	10.70	21.79	33.00	H

LTE Band 7_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	G _a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2505.00	-17.89	-28.70	10.70	21.52	33.00	H
2535.00	-17.67	-28.60	10.70	21.64	33.00	H
2565.00	-17.50	-28.60	10.70	21.80	33.00	H

LTE Band 7_15MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	G _a Antenna Gain(dB)	EIRP(dBm)	Limit(dBm)	Polarization
2507.50	-17.69	-28.70	10.70	21.71	33.00	H
2535.00	-17.53	-28.60	10.70	21.77	33.00	H
2562.50	-17.74	-28.60	10.70	21.56	33.00	H

LTE Band 7_20MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	G _a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2510.00	-18.15	-28.70	10.70	21.25	33.00	H
2535.00	-17.60	-28.60	10.70	21.71	33.00	H
2560.00	-17.80	-28.60	10.70	21.50	33.00	H

LTE Band 7_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	G _a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2502.50	-18.02	-28.70	10.70	21.38	33.00	H
2535.00	-17.44	-28.60	10.70	21.86	33.00	H
2567.50	-17.19	-28.60	10.70	22.11	33.00	H

LTE Band 7_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	G _a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2505.00	-18.15	-28.70	10.70	21.25	33.00	H
2535.00	-17.60	-28.60	10.70	21.71	33.00	H
2565.00	-17.30	-28.60	10.70	22.00	33.00	H

LTE Band 7_15MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	G _a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2507.50	-18.21	-28.70	10.70	21.19	33.00	H
2535.00	-17.47	-28.60	10.70	21.83	33.00	H
2562.50	-17.56	-28.60	10.70	21.74	33.00	H

LTE Band 7_20MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	G _a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2510.00	-18.26	-28.70	10.70	21.14	33.00	H
2535.00	-17.69	-28.60	10.70	21.61	33.00	H
2560.00	-17.53	-28.60	10.70	21.77	33.00	H

LTE Band 7_5MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	G _a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2502.50	-18.14	-28.70	10.70	21.26	33.00	H
2535.00	-17.29	-28.60	10.70	22.01	33.00	H
2567.50	-17.26	-28.60	10.70	22.04	33.00	H

LTE Band 7_10MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	G _a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2505.00	-18.03	-28.70	10.70	21.37	33.00	H
2535.00	-17.41	-28.60	10.70	21.89	33.00	H
2565.00	-17.47	-28.60	10.70	21.83	33.00	H

LTE Band 7_15MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	G _a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2507.50	-18.23	-28.70	10.70	21.17	33.00	H
2535.00	-17.57	-28.60	10.70	21.73	33.00	H
2562.50	-17.60	-28.60	10.70	21.70	33.00	H

LTE Band 7_20MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	G _a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2510.00	-18.38	-28.70	10.70	21.03	33.00	H
2535.00	-17.79	-28.60	10.70	21.51	33.00	H
2560.00	-17.74	-28.60	10.70	21.56	33.00	H

Peak EIRP (dBm)=P_{Mea}(-17.95dBm)-(P_{cl}+P_{Ag})(-28.60dB)+G_a(10.70dB) =21.35dBm

LTE Band 12 - ERP Part 27.50(c)(10)
Limits: ≤34.77dBm (3W)

LTE Band 12_1.4MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
699.70	-13.22	-34.80	-0.93	2.15	18.50	34.77	V
707.50	-11.84	-34.70	-0.91	2.15	19.80	34.77	V
715.30	-13.55	-34.70	-0.68	2.15	18.31	34.77	V

LTE Band 12_3MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
700.50	-13.06	-34.80	-0.97	2.15	18.62	34.77	V
707.50	-11.97	-34.70	-0.91	2.15	19.68	34.77	V
714.50	-13.80	-34.70	-0.64	2.15	18.11	34.77	V

LTE Band 12_5MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
701.50	-13.37	-34.80	-0.97	2.15	18.31	34.77	V
707.50	-12.42	-34.70	-0.91	2.15	19.22	34.77	V
713.50	-13.44	-34.70	-0.64	2.15	18.47	34.77	V

LTE Band 12_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
704.00	-13.25	-34.80	-0.97	2.15	18.43	34.77	V
707.50	-12.82	-34.70	-0.91	2.15	18.82	34.77	V
711.00	-13.19	-34.70	-0.64	2.15	18.72	34.77	V

LTE Band 12_1.4MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
699.70	-13.20	-34.80	-0.93	2.15	18.52	34.77	V
707.50	-12.02	-34.70	-0.91	2.15	19.62	34.77	V
715.30	-13.60	-34.70	-0.68	2.15	18.27	34.77	V

LTE Band 12_3MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
700.50	-13.04	-34.80	-0.97	2.15	18.64	34.77	V
707.50	-12.00	-34.70	-0.91	2.15	19.64	34.77	V
714.50	-13.90	-34.70	-0.64	2.15	18.00	34.77	V

LTE Band 12_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
701.50	-13.25	-34.80	-0.97	2.15	18.44	34.77	V
707.50	-12.40	-34.70	-0.91	2.15	19.24	34.77	V
713.50	-13.31	-34.70	-0.64	2.15	18.59	34.77	V

LTE Band 12_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
704.00	-13.30	-34.80	-0.97	2.15	18.39	34.77	V
707.50	-12.93	-34.70	-0.91	2.15	18.72	34.77	V
711.00	-13.26	-34.70	-0.64	2.15	18.65	34.77	V

LTE Band 12_1.4MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
699.70	-13.26	-34.80	-0.93	2.15	18.46	34.77	V
707.50	-11.97	-34.70	-0.91	2.15	19.68	34.77	V
715.30	-13.63	-34.70	-0.68	2.15	18.24	34.77	V

LTE Band 12_3MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
700.50	-13.21	-34.80	-0.97	2.15	18.47	34.77	V
707.50	-12.45	-34.70	-0.91	2.15	19.19	34.77	V
714.50	-13.99	-34.70	-0.64	2.15	17.92	34.77	V

LTE Band 12_5MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
701.50	-13.61	-34.80	-0.97	2.15	18.08	34.77	V
707.50	-12.70	-34.70	-0.91	2.15	18.95	34.77	V
713.50	-13.44	-34.70	-0.64	2.15	18.47	34.77	V

LTE Band 12_10MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
704.00	-13.48	-34.80	-0.97	2.15	18.20	34.77	V
707.50	-13.28	-34.70	-0.91	2.15	18.37	34.77	V
711.00	-13.13	-34.70	-0.64	2.15	18.78	34.77	V

Peak ERP (dBm)=P_{Mea}(-12.26Bm)-(P_{cl}+P_{Ag})(-34.70dB)+G_a(-0.91dB) -2.15dB =19.38dBm

LTE band 26(814MHz-824MHz)- ERP Part 90.635(b)
Limits: ≤50.00dBm (100W)

LTE band 26(814MHz-824MHz)_1.4MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
814.70	-11.62	-33.70	-0.80	2.15	19.13	50.00	V
819.00	-11.69	-33.60	-0.75	2.15	19.01	50.00	V
823.30	-11.06	-33.60	-0.79	2.15	19.60	50.00	V

LTE band 26(814MHz-824MHz)_3MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
815.50	-11.58	-33.70	-0.80	2.15	19.17	50.00	V
819.00	-11.61	-33.60	-0.75	2.15	19.09	50.00	V
822.50	-11.15	-33.60	-0.79	2.15	19.51	50.00	V

LTE band 26(814MHz-824MHz)_5MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
816.50	-11.56	-33.70	-0.80	2.15	19.19	50.00	V
819.00	-11.54	-33.60	-0.75	2.15	19.16	50.00	V
821.50	-11.20	-33.60	-0.79	2.15	19.46	50.00	V

LTE band 26(814MHz-824MHz)_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
819.00	-10.81	-33.60	-0.80	2.15	19.84	50.00	V

LTE band 26(814MHz-824MHz)_1.4MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
814.70	-11.93	-33.70	-0.80	2.15	18.82	50.00	V
819.00	-11.99	-33.60	-0.75	2.15	18.72	50.00	V
823.30	-10.97	-33.60	-0.79	2.15	19.69	50.00	V

LTE band 26(814MHz-824MHz)_3MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
815.50	-11.57	-33.70	-0.80	2.15	19.18	50.00	V
819.00	-11.83	-33.60	-0.75	2.15	18.87	50.00	V
822.50	-11.26	-33.60	-0.79	2.15	19.40	50.00	V

LTE band 26(814MHz-824MHz)_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
816.50	-11.89	-33.70	-0.80	2.15	18.86	50.00	V
819.00	-11.87	-33.60	-0.75	2.15	18.83	50.00	V
821.50	-11.86	-33.60	-0.79	2.15	18.80	50.00	V

LTE band 26(814MHz-824MHz)_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
819.00	-11.95	-33.60	-0.80	2.15	18.70	50.00	V

LTE band 26(814MHz-824MHz)_1.4MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
814.70	-12.17	-33.70	-0.80	2.15	18.58	50.00	V
819.00	-11.51	-33.60	-0.75	2.15	19.20	50.00	V
823.30	-11.15	-33.60	-0.79	2.15	19.50	50.00	V

LTE band 26(814MHz-824MHz)_3MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
815.50	-12.10	-33.70	-0.80	2.15	18.65	50.00	V
819.00	-11.35	-33.60	-0.75	2.15	19.36	50.00	V
822.50	-11.24	-33.60	-0.79	2.15	19.42	50.00	V

LTE band 26(814MHz-824MHz)_5MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
816.50	-11.59	-33.70	-0.80	2.15	19.16	50.00	V
819.00	-11.27	-33.60	-0.75	2.15	19.43	50.00	V
821.50	-11.49	-33.60	-0.79	2.15	19.16	50.00	V

LTE band 26(814MHz-824MHz)_10MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
819.00	-11.83	-33.60	-0.80	2.15	18.82	50.00	V

Peak ERP (dBm)=P_{Mea}(-11.24dBm)-(P_{cl}+P_{Ag})(-33.60dB)+G_a(-0.79dB) -2.15 =19.41dBm

LTE band 26(824MHz-849MHz)- ERP Part 22.913(a)
Limits: ≤38.45dBm (7W)

LTE band 26(824MHz-849MHz)_1.4MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _c (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
824.70	-10.80	-33.60	-0.79	2.15	19.86	38.45	V
836.50	-11.23	-33.50	-0.74	2.15	19.39	38.45	V
848.30	-10.99	-33.50	-0.73	2.15	19.63	38.45	V

LTE band 26(824MHz-849MHz)_3MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _c (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
825.50	-11.64	-33.60	-0.79	2.15	19.02	38.45	V
836.50	-11.57	-33.50	-0.74	2.15	19.04	38.45	V
847.50	-11.13	-33.50	-0.73	2.15	19.49	38.45	V

LTE band 26(824MHz-849MHz)_5MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _c (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
826.50	-11.80	-33.60	-0.79	2.15	18.86	38.45	V
836.50	-11.23	-33.50	-0.74	2.15	19.39	38.45	V
846.50	-10.99	-33.50	-0.73	2.15	19.62	38.45	V

LTE band 26(824MHz-849MHz)_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _c (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
829.00	-11.48	-33.60	-0.79	2.15	19.18	38.45	V
836.50	-11.30	-33.50	-0.74	2.15	19.32	38.45	V
844.00	-11.18	-33.50	-0.73	2.15	19.44	38.45	V

LTE band 26(824MHz-849MHz)_15MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _c (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
831.50	-11.29	-33.60	-0.79	2.15	19.37	38.45	V
836.50	-11.26	-33.50	-0.74	2.15	19.35	38.45	V
841.50	-11.24	-33.50	-0.73	2.15	19.38	38.45	V

LTE band 26(824MHz-849MHz)_1.4MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
824.70	-10.83	-33.60	-0.79	2.15	19.82	38.45	V
836.50	-11.38	-33.50	-0.74	2.15	19.24	38.45	V
848.30	-10.84	-33.50	-0.73	2.15	19.78	38.45	V

LTE band 26(824MHz-849MHz)_3MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
825.50	-11.82	-33.60	-0.79	2.15	18.83	38.45	V
836.50	-11.24	-33.50	-0.74	2.15	19.37	38.45	V
847.50	-11.09	-33.50	-0.73	2.15	19.53	38.45	V

LTE band 26(824MHz-849MHz)_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
826.50	-12.40	-33.60	-0.79	2.15	18.25	38.45	V
836.50	-11.31	-33.50	-0.74	2.15	19.30	38.45	V
846.50	-11.22	-33.50	-0.73	2.15	19.39	38.45	V

LTE band 26(824MHz-849MHz)_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
829.00	-12.38	-33.60	-0.79	2.15	18.28	38.45	V
836.50	-11.57	-33.50	-0.74	2.15	19.04	38.45	V
844.00	-11.42	-33.50	-0.73	2.15	19.19	38.45	V

LTE band 26(824MHz-849MHz)_15MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
831.50	-11.29	-33.60	-0.79	2.15	19.36	38.45	V
836.50	-11.25	-33.50	-0.74	2.15	19.36	38.45	V
841.50	-11.23	-33.50	-0.73	2.15	19.39	38.45	V

LTE band 26(824MHz-849MHz)_1.4MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
824.70	-11.76	-33.60	-0.79	2.15	18.90	38.45	V
836.50	-11.58	-33.50	-0.74	2.15	19.03	38.45	V
848.30	-11.15	-33.50	-0.73	2.15	19.47	38.45	V

LTE band 26(824MHz-849MHz)_3MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
825.50	-11.85	-33.60	-0.79	2.15	18.81	38.45	V
836.50	-11.22	-33.50	-0.74	2.15	19.39	38.45	V
847.50	-11.16	-33.50	-0.73	2.15	19.45	38.45	V

LTE band 26(824MHz-849MHz)_5MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
826.50	-11.96	-33.60	-0.79	2.15	18.70	38.45	V
836.50	-11.28	-33.50	-0.74	2.15	19.33	38.45	V
846.50	-11.19	-33.50	-0.73	2.15	19.42	38.45	V

LTE band 26(824MHz-849MHz)_10MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
829.00	-11.72	-33.60	-0.79	2.15	18.94	38.45	V
836.50	-11.02	-33.50	-0.74	2.15	19.59	38.45	V
844.00	-11.23	-33.50	-0.73	2.15	19.39	38.45	V

LTE band 26(824MHz-849MHz)_15MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
831.50	-11.49	-33.60	-0.79	2.15	19.16	38.45	V
836.50	-11.08	-33.50	-0.74	2.15	19.54	38.45	V
841.50	-11.22	-33.50	-0.73	2.15	19.40	38.45	V

Peak ERP (dBm)=P_{Mea}(-11.25dBm)-(P_{cl}+P_{Ag})(-33.50dB)+G_a(-0.73dB) -2.15=19.37dBm

LTE Band 41 - EIRP Part 27.50(h)(2)
Limits: ≤33dBm (2W)

LTE Band 41_5MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2498.50	-18.21	-28.70	10.70	21.19	33.00	H
2593.00	-17.07	-28.60	10.70	22.23	33.00	H
2687.50	-16.72	-28.50	10.70	22.48	33.00	H

LTE Band 41_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2501.00	-18.09	-28.70	10.70	21.31	33.00	H
2593.00	-16.28	-28.60	10.70	23.03	33.00	H
2685.00	-16.91	-28.50	10.70	22.29	33.00	H

LTE Band 41_15MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2503.00	-17.99	-28.70	10.70	21.41	33.00	H
2593.00	-16.40	-28.60	10.70	22.90	33.00	H
2682.50	-16.79	-28.50	10.70	22.41	33.00	H

LTE Band 41_20MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	-18.23	-28.70	10.70	21.18	33.00	H
2593.00	-16.68	-28.60	10.70	22.63	33.00	H
2680.00	-16.51	-28.50	10.70	22.70	33.00	H

LTE Band 41_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2498.50	-18.17	-28.70	10.70	21.23	33.00	H
2593.00	-16.96	-28.60	10.70	22.34	33.00	H
2687.50	-16.68	-28.50	10.70	22.52	33.00	H

LTE Band 41_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2501.00	-18.11	-28.70	10.70	21.30	33.00	H
2593.00	-17.13	-28.60	10.70	22.18	33.00	H
2685.00	-16.83	-28.50	10.70	22.37	33.00	H

LTE Band 41_15MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2503.00	-17.90	-28.70	10.70	21.50	33.00	H
2593.00	-17.28	-28.60	10.70	22.03	33.00	H
2682.50	-16.95	-28.50	10.70	22.25	33.00	H

LTE Band 41_20 MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	-18.23	-28.70	10.70	21.17	33.00	H
2593.00	-16.39	-28.60	10.70	22.91	33.00	H
2680.00	-16.70	-28.50	10.70	22.50	33.00	H

LTE Band 41_5MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2498.50	-17.46	-28.70	10.70	21.94	33.00	H
2593.00	-17.14	-28.60	10.70	22.16	33.00	H
2687.50	-17.51	-28.50	10.70	21.69	33.00	H

LTE Band 41_10MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2501.00	-17.39	-28.70	10.70	22.01	33.00	H
2593.00	-17.05	-28.60	10.70	22.25	33.00	H
2685.00	-17.40	-28.50	10.70	21.80	33.00	H

LTE Band 41_15MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2503.00	-17.60	-28.70	10.70	21.80	33.00	H
2593.00	-17.19	-28.60	10.70	22.11	33.00	H
2682.50	-17.69	-28.50	10.70	21.52	33.00	H

LTE Band 41_20 MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	-17.70	-28.70	10.70	21.70	33.00	H
2593.00	-17.28	-28.60	10.70	22.02	33.00	H
2680.00	-17.66	-28.50	10.70	21.54	33.00	H

Peak EIRP (dBm)=P_{Mea}(-18.01dBm)-(P_{cl}+P_{Ag}) (-28.70dB)+G_a(10.70dB) =21.39dBm

LTE Band 66- EIRP Part 27.50(d)
Limits: ≤30dBm (1W)

LTE Band 66_1.4MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1710.70	-15.78	-29.60	8.10	21.92	30.00	H
1745.00	-15.77	-29.50	8.10	21.83	30.00	H
1779.30	-16.34	-29.50	8.10	21.26	30.00	H

LTE Band 66_3MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1711.50	-15.87	-29.60	8.10	21.83	30.00	H
1745.00	-15.97	-29.50	8.10	21.63	30.00	H
1778.50	-16.36	-29.50	8.10	21.24	30.00	H

LTE Band 66_5MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1712.50	-15.83	-29.60	8.10	21.87	30.00	H
1745.00	-15.94	-29.50	8.10	21.66	30.00	H
1777.50	-16.30	-29.50	8.10	21.30	30.00	H

LTE Band 66_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1715.00	-15.85	-29.60	8.10	21.85	30.00	H
1745.00	-15.98	-29.50	8.10	21.63	30.00	H
1775.00	-16.38	-29.50	8.10	21.22	30.00	H

LTE Band 66_15MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1717.50	-16.04	-29.60	8.10	21.66	30.00	H
1745.00	-16.20	-29.50	8.10	21.40	30.00	H
1772.53	-16.57	-29.50	8.10	21.03	30.00	H

LTE Band 66_20MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1720.00	-16.18	-29.60	8.10	21.52	30.00	H
1745.00	-16.39	-29.50	8.10	21.21	30.00	H
1770.00	-16.67	-29.50	8.10	20.93	30.00	H

LTE Band 66_1.4MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1710.70	-15.74	-29.60	8.10	21.96	30.00	V
1745.00	-15.73	-29.50	8.10	21.87	30.00	V
1779.30	-16.01	-29.50	8.10	21.59	30.00	V

LTE Band 66_3MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1711.50	-15.90	-29.60	8.10	21.80	30.00	V
1745.00	-16.09	-29.50	8.10	21.52	30.00	V
1778.50	-16.20	-29.50	8.10	21.40	30.00	V

LTE Band 66_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1712.50	-16.07	-29.60	8.10	21.63	30.00	V
1745.00	-16.24	-29.50	8.10	21.36	30.00	V
1777.50	-16.35	-29.50	8.10	21.25	30.00	V

LTE Band 66_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1715.00	-16.19	-29.60	8.10	21.51	30.00	V
1745.00	-16.23	-29.50	8.10	21.37	30.00	V
1775.00	-16.26	-29.50	8.10	21.34	30.00	V

LTE Band 66_15MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1717.50	-15.95	-29.60	8.10	21.75	30.00	V
1745.00	-16.08	-29.50	8.10	21.52	30.00	V
1772.53	-16.23	-29.50	8.10	21.37	30.00	V

LTE Band 66_20MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1720.00	-15.90	-29.60	8.10	21.80	30.00	V
1745.00	-16.42	-29.50	8.10	21.18	30.00	V
1770.00	-16.27	-29.50	8.10	21.34	30.00	V

LTE Band 66_1.4MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	G _a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1710.70	-15.65	-29.60	8.10	22.05	30.00	H
1745.00	-15.74	-29.50	8.10	21.86	30.00	H
1779.30	-16.13	-29.50	8.10	21.47	30.00	H

LTE Band 66_3MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	G _a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1711.50	-15.71	-29.60	8.10	21.99	30.00	H
1745.00	-15.75	-29.50	8.10	21.85	30.00	H
1778.50	-16.04	-29.50	8.10	21.56	30.00	H

LTE Band 66_5MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	G _a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1712.50	-15.89	-29.60	8.10	21.81	30.00	H
1745.00	-15.91	-29.50	8.10	21.69	30.00	H
1777.50	-16.08	-29.50	8.10	21.52	30.00	H

LTE Band 66_10MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	G _a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1715.00	-15.75	-29.60	8.10	21.96	30.00	H
1745.00	-15.82	-29.50	8.10	21.78	30.00	H
1775.00	-16.04	-29.50	8.10	21.56	30.00	H

LTE Band 66_15MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	G _a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1717.50	-15.98	-29.60	8.10	21.72	30.00	H
1745.00	-15.87	-29.50	8.10	21.74	30.00	H
1772.53	-16.09	-29.50	8.10	21.51	30.00	H

LTE Band 66_20MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	G _a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1720.00	-16.14	-29.60	8.10	21.56	30.00	H
1745.00	-16.34	-29.50	8.10	21.26	30.00	H
1770.00	-16.36	-29.50	8.10	21.24	30.00	H

Peak EIRP (dBm)=P_{Mea}(-15.83dBm)-(P_{cl}+P_{Ag})(-29.50dB)+G_a(8.10dB)=21.77dBm

LTE Band CA_7C - EIRP Part 27.50(h)(2)
Limits: ≤33dBm (2W)

LTE Band CA_7C _10MHz+20MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2505.50	2519.90	-18.24	-28.70	10.70	21.16	33.00	V
2525.60	2540.00	-17.84	-28.60	10.70	21.46	33.00	V
2545.60	2560.00	-18.07	-28.60	10.70	21.23	33.00	V

LTE Band CA_7C _20MHz+10MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2510.00	2524.40	-17.66	-28.70	10.70	21.74	33.00	H
2530.10	2544.50	-17.42	-28.60	10.70	21.88	33.00	H
2550.10	2564.50	-17.50	-28.60	10.70	21.80	33.00	H

LTE Band CA_7C _20MHz+15MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2510.00	2527.10	-17.70	-28.70	10.70	21.70	33.00	H
2527.60	2544.70	-17.45	-28.60	10.70	21.85	33.00	H
2545.10	2562.20	-17.48	-28.60	10.70	21.82	33.00	H

LTE Band CA_7C _20MHz+20MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2510.00	2529.80	-18.19	-28.70	10.70	21.21	33.00	H
2525.10	2544.90	-17.81	-28.60	10.70	21.49	33.00	H
2540.20	2560.00	-17.96	-28.60	10.70	21.34	33.00	H

LTE Band CA_7C _15MHz+10MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2507.50	2519.50	-17.31	-28.70	10.70	22.09	33.00	H
2530.10	2542.10	-17.03	-28.60	10.70	22.27	33.00	H
2552.70	2564.70	-16.92	-28.60	10.70	22.38	33.00	H

LTE Band CA_7C _15MHz+15MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2507.50	2522.50	-17.34	-28.70	10.70	22.06	33.00	H
2527.50	2542.50	-17.11	-28.60	10.70	22.19	33.00	H
2547.50	2562.50	-16.88	-28.60	10.70	22.42	33.00	H

LTE Band CA_7C _15MHz+20MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2507.80	2425.90	-17.92	-28.70	10.70	21.48	33.00	H
2525.30	2542.40	-17.99	-28.60	10.70	21.31	33.00	H
2542.90	2560.00	-17.67	-28.60	10.70	21.63	33.00	H

LTE Band CA_7C _10MHz+20MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2505.50	2519.90	-19.69	-28.70	10.70	19.71	33.00	V
2525.60	2540.00	-19.28	-28.60	10.70	20.02	33.00	V
2545.60	2560.00	-19.50	-28.60	10.70	19.80	33.00	V

LTE Band CA_7C _20MHz+10MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2510.00	2524.40	-19.76	-28.70	10.70	19.64	33.00	H
2530.10	2544.50	-19.51	-28.60	10.70	19.79	33.00	H
2550.10	2564.50	-19.58	-28.60	10.70	19.72	33.00	H

LTE Band CA_7C _20MHz+15MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2510.00	2527.10	-19.74	-28.70	10.70	19.66	33.00	H
2527.60	2544.70	-19.48	-28.60	10.70	19.82	33.00	H
2545.10	2562.20	-19.50	-28.60	10.70	19.80	33.00	H

LTE Band CA_7C _20MHz+20MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2510.00	2529.80	-19.52	-28.70	10.70	19.88	33.00	H
2525.10	2544.90	-19.13	-28.60	10.70	20.17	33.00	H
2540.20	2560.00	-19.27	-28.60	10.70	20.03	33.00	H

LTE Band CA_7C _15MHz+10MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2507.50	2519.50	-19.60	-28.70	10.70	19.80	33.00	H
2530.10	2542.10	-19.28	-28.60	10.70	20.02	33.00	H
2552.70	2564.70	-19.23	-28.60	10.70	20.07	33.00	H

LTE Band CA_7C _15MHz+15MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2507.50	2522.50	-19.43	-28.70	10.70	19.97	33.00	H
2527.50	2542.50	-19.20	-28.60	10.70	20.10	33.00	H
2547.50	2562.50	-18.91	-28.60	10.70	20.39	33.00	H

LTE Band CA_7C _15MHz+20MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2507.80	2425.90	-19.77	-28.70	10.70	19.63	33.00	H
2525.30	2542.40	-19.89	-28.60	10.70	19.41	33.00	H
2542.90	2560.00	-19.50	-28.60	10.70	19.80	33.00	H

LTE Band CA_7C _10MHz+20MHz_64QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2505.50	2519.90	-20.60	-28.70	10.70	18.80	33.00	V
2525.60	2540.00	-20.19	-28.60	10.70	19.11	33.00	V
2545.60	2560.00	-20.41	-28.60	10.70	18.89	33.00	V

LTE Band CA_7C _20MHz+10MHz_64QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2510.00	2524.40	-20.46	-28.70	10.70	18.94	33.00	H
2530.10	2544.50	-20.21	-28.60	10.70	19.09	33.00	H
2550.10	2564.50	-20.27	-28.60	10.70	19.03	33.00	H

LTE Band CA_7C _20MHz+15MHz_64QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2510.00	2527.10	-20.43	-28.70	10.70	18.97	33.00	H
2527.60	2544.70	-20.17	-28.60	10.70	19.13	33.00	H
2545.10	2562.20	-20.19	-28.60	10.70	19.11	33.00	H

LTE Band CA_7C _20MHz+20MHz_64QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2510.00	2529.80	-20.40	-28.70	10.70	19.00	33.00	H
2525.10	2544.90	-20.01	-28.60	10.70	19.29	33.00	H
2540.20	2560.00	-20.15	-28.60	10.70	19.15	33.00	H

LTE Band CA_7C _15MHz+10MHz_64QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2507.50	2519.50	-20.25	-28.70	10.70	19.15	33.00	H
2530.10	2542.10	-19.94	-28.60	10.70	19.36	33.00	H
2552.70	2564.70	-19.86	-28.60	10.70	19.44	33.00	H

LTE Band CA_7C _15MHz+15MHz_64QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2507.50	2522.50	-20.15	-28.70	10.70	19.25	33.00	H
2527.50	2542.50	-19.91	-28.60	10.70	19.39	33.00	H
2547.50	2562.50	-19.64	-28.60	10.70	19.66	33.00	H

LTE Band CA_7C _15MHz+20MHz_64QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2507.80	2425.90	-20.57	-28.70	10.70	18.83	33.00	H
2525.30	2542.40	-20.65	-28.60	10.70	18.65	33.00	H
2542.90	2560.00	-20.30	-28.60	10.70	19.00	33.00	H

Peak EIRP (dBm)=P_{Mea}(-16.41dBm)-(P_{cl}+P_{Ag}) (-28.60dB)+Ga(10.70dB) =22.89dBm

LTE Band CA_41C - EIRP Part 27.50(h)(2)
Limits: ≤33dBm (2W)

LTE Band CA_41C _5MHz+20MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2499.30	2511.00	-19.30	-28.70	10.70	20.10	33.00	V
2583.80	2595.50	-18.93	-28.60	10.70	20.37	33.00	V
2668.30	2680.00	-19.08	-28.50	10.70	20.12	33.00	V

LTE Band CA_41C _10MHz+20MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2501.50	2515.90	-19.17	-28.70	10.70	20.23	33.00	V
2583.60	2598.00	-18.92	-28.60	10.70	20.38	33.00	V
2665.60	2680.00	-18.98	-28.60	10.70	20.32	33.00	V

LTE Band CA_41C _15MHz+20MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2503.80	2520.90	-19.18	-28.70	10.70	20.22	33.00	H
2583.30	2600.40	-18.98	-28.60	10.70	20.32	33.00	H
2662.90	2680.00	-19.05	-28.60	10.70	20.25	33.00	H

LTE Band CA_41C _20MHz+5MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	2517.70	-18.74	-28.70	10.70	20.66	33.00	H
2590.50	2602.20	-18.42	-28.60	10.70	20.88	33.00	H
2675.00	2686.70	-18.65	-28.60	10.70	20.65	33.00	H

LTE Band CA_41C _20MHz+10MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	2520.40	-18.72	-28.70	10.70	20.68	33.00	H
2588.10	2602.50	-18.56	-28.60	10.70	20.74	33.00	H
2670.10	2684.50	-18.68	-28.60	10.70	20.62	33.00	H

LTE Band CA_41C _20MHz+15MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	2523.10	-18.71	-28.70	10.70	20.69	33.00	H
2585.60	2602.70	-18.39	-28.60	10.70	20.91	33.00	H
2665.10	2682.20	-18.69	-28.60	10.70	20.61	33.00	H

LTE Band CA_41C _15MHz+15MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2503.50	2518.50	-19.51	-28.70	10.70	19.89	33.00	H
2585.50	2600.50	-19.30	-28.60	10.70	20.00	33.00	H
2667.50	2682.50	-19.37	-28.60	10.70	19.93	33.00	H

LTE Band CA_41C _20MHz+20MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	2525.80	-19.04	-28.70	10.70	20.36	33.00	H
2583.10	2602.90	-18.72	-28.60	10.70	20.58	33.00	H
2660.20	2680.00	-18.94	-28.60	10.70	20.36	33.00	H

LTE Band CA_41C _15MHz+10MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2503.50	2515.50	-17.73	-28.70	10.70	21.67	33.00	H
2588.10	2600.10	-17.56	-28.60	10.70	21.74	33.00	H
2672.70	2684.70	-17.68	-28.60	10.70	21.62	33.00	H

LTE Band CA_41C _10MHz+15MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2501.30	2513.30	-17.68	-28.70	10.70	21.72	33.00	V
2585.90	2597.90	-17.35	-28.60	10.70	21.95	33.00	V
2670.50	2682.50	-17.65	-28.60	10.70	21.65	33.00	V

LTE Band CA_41C _5MHz+20MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2499.30	2511.00	-19.73	-28.70	10.70	19.67	33.00	H
2583.80	2595.50	-19.36	-28.60	10.70	19.94	33.00	H
2668.30	2680.00	-19.50	-28.50	10.70	19.70	33.00	H

LTE Band CA_41C _10MHz+20MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2501.50	2515.90	-19.60	-28.70	10.70	19.80	33.00	V
2583.60	2598.00	-19.35	-28.60	10.70	19.95	33.00	V
2665.60	2680.00	-19.40	-28.60	10.70	19.90	33.00	V

LTE Band CA_41C _15MHz+20MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2503.80	2520.90	-19.60	-28.70	10.70	19.80	33.00	H
2583.30	2600.40	-19.40	-28.60	10.70	19.90	33.00	H
2662.90	2680.00	-19.47	-28.60	10.70	19.83	33.00	H

LTE Band CA_41C _20MHz+5MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	2517.70	-19.82	-28.70	10.70	19.58	33.00	H
2590.50	2602.20	-19.50	-28.60	10.70	19.80	33.00	H
2675.00	2686.70	-19.72	-28.60	10.70	19.58	33.00	H

LTE Band CA_41C _20MHz+10MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	2520.40	-19.95	-28.70	10.70	19.45	33.00	H
2588.10	2602.50	-19.78	-28.60	10.70	19.52	33.00	H
2670.10	2684.50	-19.90	-28.60	10.70	19.40	33.00	H

LTE Band CA_41C _20MHz+15MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	2523.10	-19.92	-28.70	10.70	19.48	33.00	H
2585.60	2602.70	-19.60	-28.60	10.70	19.70	33.00	H
2665.10	2682.20	-19.90	-28.60	10.70	19.40	33.00	H

LTE Band CA_41C _15MHz+15MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2503.50	2518.50	-19.89	-28.70	10.70	19.51	33.00	H
2585.50	2600.50	-19.68	-28.60	10.70	19.62	33.00	H
2667.50	2682.50	-19.75	-28.60	10.70	19.55	33.00	H

LTE Band CA_41C _20MHz+20MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	2525.80	-20.07	-28.70	10.70	19.33	33.00	H
2583.10	2602.90	-19.74	-28.60	10.70	19.56	33.00	H
2660.20	2680.00	-19.96	-28.60	10.70	19.34	33.00	H

LTE Band CA_41C _15MHz+10MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2503.50	2515.50	-20.16	-28.70	10.70	19.24	33.00	H
2588.10	2600.10	-19.99	-28.60	10.70	19.31	33.00	H
2672.70	2684.70	-20.10	-28.60	10.70	19.20	33.00	H

LTE Band CA_41C _10MHz+15MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2501.30	2513.30	-20.09	-28.70	10.70	19.31	33.00	V
2585.90	2597.90	-19.76	-28.60	10.70	19.54	33.00	V
2670.50	2682.50	-20.05	-28.60	10.70	19.25	33.00	V

LTE Band CA_41C _5MHz+20MHz_64QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2499.30	2511.00	-20.75	-28.70	10.70	18.65	33.00	V
2583.80	2595.50	-20.38	-28.60	10.70	18.92	33.00	V
2668.30	2680.00	-20.52	-28.50	10.70	18.68	33.00	V

LTE Band CA_41C _10MHz+20MHz_64QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2501.50	2515.90	-20.61	-28.70	10.70	18.79	33.00	V
2583.60	2598.00	-20.36	-28.60	10.70	18.94	33.00	V
2665.60	2680.00	-20.41	-28.60	10.70	18.89	33.00	V

LTE Band CA_41C _15MHz+20MHz_64QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2503.80	2520.90	-20.60	-28.70	10.70	18.80	33.00	H
2583.30	2600.40	-20.40	-28.60	10.70	18.90	33.00	H
2662.90	2680.00	-20.47	-28.60	10.70	18.83	33.00	H

LTE Band CA_41C _20MHz+5MHz_64QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	2517.70	-20.60	-28.70	10.70	18.80	33.00	H
2590.50	2602.20	-20.28	-28.60	10.70	19.02	33.00	H
2675.00	2686.70	-20.50	-28.60	10.70	18.80	33.00	H

LTE Band CA_41C _20MHz+10MHz_64QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	2520.40	-20.66	-28.70	10.70	18.74	33.00	H
2588.10	2602.50	-20.50	-28.60	10.70	18.80	33.00	H
2670.10	2684.50	-20.62	-28.60	10.70	18.68	33.00	H

LTE Band CA_41C _20MHz+15MHz_64QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	2523.10	-20.63	-28.70	10.70	18.77	33.00	H
2585.60	2602.70	-20.31	-28.60	10.70	18.99	33.00	H
2665.10	2682.20	-20.60	-28.60	10.70	18.70	33.00	H

LTE Band CA_41C _15MHz+15MHz_64QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2503.50	2518.50	-20.86	-28.70	10.70	18.54	33.00	H
2585.50	2600.50	-20.65	-28.60	10.70	18.65	33.00	H
2667.50	2682.50	-20.72	-28.60	10.70	18.58	33.00	H

LTE Band CA_41C _20MHz+20MHz_64QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	2525.80	-20.81	-28.70	10.70	18.59	33.00	H
2583.10	2602.90	-20.48	-28.60	10.70	18.82	33.00	H
2660.20	2680.00	-20.70	-28.60	10.70	18.60	33.00	H

LTE Band CA_41C _15MHz+10MHz_64QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2503.50	2515.50	-20.84	-28.70	10.70	18.56	33.00	H
2588.10	2600.10	-20.67	-28.60	10.70	18.63	33.00	H
2672.70	2684.70	-20.78	-28.60	10.70	18.52	33.00	H

LTE Band CA_41C _10MHz+15MHz_64QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2501.30	2513.30	-20.77	-28.70	10.70	18.63	33.00	V
2585.90	2597.90	-20.44	-28.60	10.70	18.86	33.00	V
2670.50	2682.50	-20.73	-28.60	10.70	18.57	33.00	V

Peak EIRP (dBm)=P_{Mea}(-18.00dBm)-(P_{cl}+P_{Ag}) (-28.70dB)+Ga(10.70dB) =21.40dBm

ANALYZER SETTINGS:

RBW = VBW = 8MHz for occupied bandwidths equal to or less than 5MHz.

RBW = VBW = 20MHz for occupied bandwidths equal to or greater than 10MHz.

Note: The maximum value of expanded measurement uncertainty for this test item is U =

2.72dB(30MHz-3GHz)/3.60dB(3GHz-18GHz)/3.58dB(18GHz-40GHz), k = 2

Note: Both of Vertical and Horizontal polarizations are evaluated, but only the worst case is recorded in this report.

Lower antenna

LTE Band 2- EIRP Part 24. 232(b)

Limits: ≤33dBm (2W)

LTE Band 2_1.4MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1850.70	-14.57	-29.30	8.10	22.83	33.00	H
1880.00	-15.03	-29.40	8.10	22.47	33.00	H
1909.30	-14.84	-29.30	8.10	22.56	33.00	H

LTE Band 2_3MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1851.50	-14.68	-29.30	8.10	22.72	33.00	H
1880.00	-14.72	-29.40	8.10	22.78	33.00	H
1908.50	-15.13	-29.30	8.10	22.27	33.00	H

LTE Band 2_5MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1852.50	-14.86	-29.30	8.10	22.54	33.00	H
1880.00	-14.88	-29.40	8.10	22.62	33.00	H
1907.50	-14.46	-29.30	8.10	22.94	33.00	H

LTE Band 2_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1855.00	-14.68	-29.30	8.10	22.72	33.00	H
1880.00	-14.65	-29.40	8.10	22.85	33.00	H
1905.00	-15.24	-29.30	8.10	22.16	33.00	H

LTE Band 2_15MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1857.50	-14.81	-29.30	8.10	22.59	33.00	H
1880.00	-15.02	-29.40	8.10	22.48	33.00	H
1902.50	-15.15	-29.30	8.10	22.25	33.00	H

LTE Band 2_20 MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1860.00	-15.22	-29.30	8.10	22.18	33.00	H
1880.00	-14.99	-29.40	8.10	22.51	33.00	H
1900.00	-15.23	-29.30	8.10	22.17	33.00	H

LTE Band 2_1.4MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1850.70	-14.57	-29.30	8.10	22.83	33.00	H
1880.00	-14.80	-29.40	8.10	22.70	33.00	H
1909.30	-15.14	-29.30	8.10	22.26	33.00	H

LTE Band 2_3MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1851.50	-14.91	-29.30	8.10	22.49	33.00	H
1880.00	-14.86	-29.40	8.10	22.64	33.00	H
1908.50	-15.00	-29.30	8.10	22.40	33.00	H

LTE Band 2_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1852.50	-15.15	-29.30	8.10	22.25	33.00	H
1880.00	-15.09	-29.40	8.10	22.41	33.00	H
1907.50	-15.15	-29.30	8.10	22.25	33.00	H

LTE Band 2_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1855.00	-14.46	-29.30	8.10	22.94	33.00	H
1880.00	-15.19	-29.40	8.10	22.31	33.00	H
1905.00	-15.00	-29.30	8.10	22.40	33.00	H

LTE Band 2_15MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1857.50	-15.08	-29.30	8.10	22.32	33.00	H
1880.00	-15.20	-29.40	8.10	22.31	33.00	H
1902.50	-15.15	-29.30	8.10	22.25	33.00	H

LTE Band 2_20 MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1860.00	-14.79	-29.30	8.10	22.61	33.00	H
1880.00	-15.04	-29.40	8.10	22.46	33.00	H
1900.00	-15.23	-29.30	8.10	22.18	33.00	H

LTE Band 2_1.4MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1850.70	-14.75	-29.30	8.10	22.65	33.00	H
1880.00	-14.69	-29.40	8.10	22.81	33.00	H
1909.30	-14.85	-29.30	8.10	22.55	33.00	H

LTE Band 2_3MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1851.50	-14.68	-29.30	8.10	22.72	33.00	H
1880.00	-14.99	-29.40	8.10	22.51	33.00	H
1908.50	-15.03	-29.30	8.10	22.37	33.00	H

LTE Band 2_5MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1852.50	-14.88	-29.30	8.10	22.52	33.00	H
1880.00	-14.79	-29.40	8.10	22.71	33.00	H
1907.50	-15.19	-29.30	8.10	22.21	33.00	H

LTE Band 2_10MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1855.00	-14.96	-29.30	8.10	22.44	33.00	H
1880.00	-15.10	-29.40	8.10	22.40	33.00	H
1905.00	-14.85	-29.30	8.10	22.55	33.00	H

LTE Band 2_15MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1857.50	-14.47	-29.30	8.10	22.93	33.00	H
1880.00	-14.79	-29.40	8.10	22.71	33.00	H
1902.50	-14.62	-29.30	8.10	22.78	33.00	H

LTE Band 2_20 MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1860.00	-14.91	-29.30	8.10	22.49	33.00	H
1880.00	-14.68	-29.40	8.10	22.82	33.00	H
1900.00	-14.91	-29.30	8.10	22.50	33.00	H

Peak EIRP (dBm)=P_{Mea}(-15.95dBm)-(P_{cl}+P_{Ag})(-29.30dB)+G_a(8.10dB)=21.45dBm

LTE Band 7- EIRP Part 27.50(h)(2)
Limits: ≤33 dBm (2W)

LTE Band 7_5MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	G _a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2502.50	-17.35	-28.70	10.70	22.05	33.00	H
2535.00	-18.02	-28.60	10.70	21.28	33.00	H
2567.50	-17.41	-28.60	10.70	21.89	33.00	H

LTE Band 7_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	G _a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2505.00	-17.61	-28.70	10.70	21.79	33.00	H
2535.00	-17.59	-28.60	10.70	21.71	33.00	H
2565.00	-17.79	-28.60	10.70	21.51	33.00	H

LTE Band 7_15MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	G _a Antenna Gain(dB)	EIRP(dBm)	Limit(dBm)	Polarization
2507.50	-17.88	-28.70	10.70	21.52	33.00	H
2535.00	-17.39	-28.60	10.70	21.91	33.00	H
2562.50	-17.95	-28.60	10.70	21.35	33.00	H

LTE Band 7_20MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	G _a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2510.00	-18.14	-28.70	10.70	21.26	33.00	H
2535.00	-17.58	-28.60	10.70	21.72	33.00	H
2560.00	-17.16	-28.60	10.70	22.14	33.00	H

LTE Band 7_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	G _a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2502.50	-17.72	-28.70	10.70	21.68	33.00	H
2535.00	-17.34	-28.60	10.70	21.96	33.00	H
2567.50	-17.92	-28.60	10.70	21.38	33.00	H

LTE Band 7_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	G _a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2505.00	-18.01	-28.70	10.70	21.39	33.00	H
2535.00	-17.52	-28.60	10.70	21.78	33.00	H
2565.00	-17.18	-28.60	10.70	22.12	33.00	H

LTE Band 7_15MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	G _a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2507.50	-18.09	-28.70	10.70	21.31	33.00	H
2535.00	-17.78	-28.60	10.70	21.52	33.00	H
2562.50	-17.30	-28.60	10.70	22.00	33.00	H

LTE Band 7_20MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	G _a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2510.00	-17.38	-28.70	10.70	22.02	33.00	H
2535.00	-17.14	-28.60	10.70	22.16	33.00	H
2560.00	-17.93	-28.60	10.70	21.37	33.00	H

LTE Band 7_5MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	G _a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2502.50	-18.37	-28.70	10.70	21.03	33.00	H
2535.00	-18.01	-28.60	10.70	21.29	33.00	H
2567.50	-17.63	-28.60	10.70	21.68	33.00	H

LTE Band 7_10MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	G _a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2505.00	-18.46	-28.70	10.70	20.94	33.00	H
2535.00	-18.25	-28.60	10.70	21.05	33.00	H
2565.00	-17.79	-28.60	10.70	21.51	33.00	H

LTE Band 7_15MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	G _a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2507.50	-17.70	-28.70	10.70	21.70	33.00	H
2535.00	-17.38	-28.60	10.70	21.92	33.00	H
2562.50	-18.14	-28.60	10.70	21.16	33.00	H

LTE Band 7_20MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	G _a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2510.00	-17.86	-28.70	10.70	21.54	33.00	H
2535.00	-17.48	-28.60	10.70	21.82	33.00	H
2560.00	-18.26	-28.60	10.70	21.04	33.00	H

Peak EIRP (dBm)=P_{Mea}(-18.28dBm)-(P_{cl}+P_{Ag})(-28.70dB)+G_a(10.70dB) =21.12dBm

LTE Band 12 - ERP Part 27.50(c)(10)
Limits: ≤34.77dBm (3W)

LTE Band 12_1.4MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
699.70	-13.64	-34.80	-0.93	2.15	18.08	34.77	V
707.50	-11.78	-34.70	-0.91	2.15	19.86	34.77	V
715.30	-13.35	-34.70	-0.68	2.15	18.51	34.77	V

LTE Band 12_3MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
700.50	-13.50	-34.80	-0.97	2.15	18.19	34.77	V
707.50	-11.86	-34.70	-0.91	2.15	19.78	34.77	V
714.50	-12.45	-34.70	-0.64	2.15	19.46	34.77	V

LTE Band 12_5MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
701.50	-12.70	-34.80	-0.97	2.15	18.99	34.77	V
707.50	-12.06	-34.70	-0.91	2.15	19.59	34.77	V
713.50	-13.54	-34.70	-0.64	2.15	18.37	34.77	V

LTE Band 12_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
704.00	-12.83	-34.80	-0.97	2.15	18.85	34.77	V
707.50	-12.05	-34.70	-0.91	2.15	19.59	34.77	V
711.00	-12.45	-34.70	-0.64	2.15	19.46	34.77	V

LTE Band 12_1.4MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
699.70	-13.46	-34.80	-0.93	2.15	18.26	34.77	H
707.50	-12.10	-34.70	-0.91	2.15	19.54	34.77	H
715.30	-13.46	-34.70	-0.68	2.15	18.41	34.77	H

LTE Band 12_3MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
700.50	-12.58	-34.80	-0.97	2.15	19.10	34.77	H
707.50	-12.33	-34.70	-0.91	2.15	19.32	34.77	H
714.50	-13.69	-34.70	-0.64	2.15	18.21	34.77	H

LTE Band 12_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
701.50	-12.70	-34.80	-0.97	2.15	18.98	34.77	H
707.50	-12.43	-34.70	-0.91	2.15	19.21	34.77	H
713.50	-12.74	-34.70	-0.64	2.15	19.17	34.77	H

LTE Band 12_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
704.00	-12.81	-34.80	-0.97	2.15	18.87	34.77	H
707.50	-12.39	-34.70	-0.91	2.15	19.26	34.77	H
711.00	-12.78	-34.70	-0.64	2.15	19.12	34.77	H

LTE Band 12_1.4MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
699.70	-13.31	-34.80	-0.93	2.15	18.41	34.77	V
707.50	-12.57	-34.70	-0.91	2.15	19.07	34.77	V
715.30	-12.57	-34.70	-0.68	2.15	19.30	34.77	V

LTE Band 12_3MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
700.50	-13.43	-34.80	-0.97	2.15	18.26	34.77	V
707.50	-12.63	-34.70	-0.91	2.15	19.02	34.77	V
714.50	-13.71	-34.70	-0.64	2.15	18.19	34.77	V

LTE Band 12_5MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
701.50	-13.56	-34.80	-0.97	2.15	18.12	34.77	V
707.50	-12.71	-34.70	-0.91	2.15	18.93	34.77	V
713.50	-13.87	-34.70	-0.64	2.15	18.04	34.77	V

LTE Band 12_10MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
704.00	-13.38	-34.80	-0.97	2.15	18.30	34.77	V
707.50	-12.77	-34.70	-0.91	2.15	18.87	34.77	V
711.00	-12.94	-34.70	-0.64	2.15	18.96	34.77	V

Peak ERP (dBm)=P_{Mea}(-12.57Bm)-(P_{cl}+P_{Ag})(-34.70dB)+G_a(-0.64dB) -2.15dB =19.33dBm

LTE band 26(814MHz-824MHz)- ERP Part 90.635(b)
Limits: ≤50.00dBm (100W)

LTE band 26(814MHz-824MHz)_1.4MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
814.70	-11.38	-33.70	-0.80	2.15	19.37	50.00	V
819.00	-11.36	-33.60	-0.75	2.15	19.35	50.00	V
823.30	-10.93	-33.60	-0.79	2.15	19.73	50.00	V

LTE band 26(814MHz-824MHz)_3MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
815.50	-11.51	-33.70	-0.80	2.15	19.24	50.00	V
819.00	-11.56	-33.60	-0.75	2.15	19.15	50.00	V
822.50	-10.96	-33.60	-0.79	2.15	19.70	50.00	V

LTE band 26(814MHz-824MHz)_5MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
816.50	-11.62	-33.70	-0.80	2.15	19.13	50.00	V
819.00	-11.61	-33.60	-0.75	2.15	19.09	50.00	V
821.50	-11.04	-33.60	-0.79	2.15	19.62	50.00	V

LTE band 26(814MHz-824MHz)_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
819.00	-11.63	-33.60	-0.80	2.15	19.02	50.00	V

LTE band 26(814MHz-824MHz)_1.4MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
814.70	-11.42	-33.70	-0.80	2.15	19.33	50.00	V
819.00	-11.76	-33.60	-0.75	2.15	18.95	50.00	V
823.30	-11.67	-33.60	-0.79	2.15	18.99	50.00	V

LTE band 26(814MHz-824MHz)_3MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
815.50	-11.60	-33.70	-0.80	2.15	19.15	50.00	V
819.00	-11.83	-33.60	-0.75	2.15	18.87	50.00	V
822.50	-11.80	-33.60	-0.79	2.15	18.86	50.00	V

LTE band 26(814MHz-824MHz)_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
816.50	-11.70	-33.70	-0.80	2.15	19.05	50.00	V
819.00	-11.83	-33.60	-0.75	2.15	18.88	50.00	V
821.50	-11.87	-33.60	-0.79	2.15	18.79	50.00	V

LTE band 26(814MHz-824MHz)_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
819.00	-11.63	-33.60	-0.80	2.15	19.02	50.00	V

LTE band 26(814MHz-824MHz)_1.4MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
814.70	-11.55	-33.70	-0.80	2.15	19.20	50.00	V
819.00	-11.73	-33.60	-0.75	2.15	18.98	50.00	V
823.30	-11.78	-33.60	-0.79	2.15	18.87	50.00	V

LTE band 26(814MHz-824MHz)_3MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
815.50	-11.53	-33.70	-0.80	2.15	19.22	50.00	V
819.00	-11.92	-33.60	-0.75	2.15	18.78	50.00	V
822.50	-11.92	-33.60	-0.79	2.15	18.74	50.00	V

LTE band 26(814MHz-824MHz)_5MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
816.50	-11.65	-33.70	-0.80	2.15	19.10	50.00	V
819.00	-12.25	-33.60	-0.75	2.15	18.46	50.00	V
821.50	-11.31	-33.60	-0.79	2.15	19.35	50.00	V

LTE band 26(814MHz-824MHz)_10MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
819.00	-11.61	-33.60	-0.80	2.15	19.04	50.00	V

Peak ERP (dBm)=P_{Mea}(-11.43dBm)-(P_{cl}+P_{Ag})(-33.70dB)+G_a(-0.80dB) -2.15 =19.32dBm

LTE band 26(824MHz-849MHz)- ERP Part 22.913(a)
Limits: ≤38.45dBm (7W)

LTE band 26(824MHz-849MHz)_1.4MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _c (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
824.70	-10.82	-33.60	-0.79	2.15	19.84	38.45	V
836.50	-11.31	-33.50	-0.74	2.15	19.31	38.45	V
848.30	-11.50	-33.50	-0.73	2.15	19.12	38.45	V

LTE band 26(824MHz-849MHz)_3MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _c (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
825.50	-11.00	-33.60	-0.79	2.15	19.66	38.45	V
836.50	-11.40	-33.50	-0.74	2.15	19.21	38.45	V
847.50	-11.58	-33.50	-0.73	2.15	19.04	38.45	V

LTE band 26(824MHz-849MHz)_5MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _c (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
826.50	-11.19	-33.60	-0.79	2.15	19.47	38.45	V
836.50	-11.60	-33.50	-0.74	2.15	19.01	38.45	V
846.50	-11.72	-33.50	-0.73	2.15	18.90	38.45	V

LTE band 26(824MHz-849MHz)_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _c (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
829.00	-11.34	-33.60	-0.79	2.15	19.32	38.45	V
836.50	-10.73	-33.50	-0.74	2.15	19.89	38.45	V
844.00	-10.88	-33.50	-0.73	2.15	19.74	38.45	V

LTE band 26(824MHz-849MHz)_15MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _c (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
831.50	-11.53	-33.60	-0.79	2.15	19.12	38.45	V
836.50	-10.92	-33.50	-0.74	2.15	19.70	38.45	V
841.50	-11.17	-33.50	-0.73	2.15	19.44	38.45	V

LTE band 26(824MHz-849MHz)_1.4MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
824.70	-12.35	-33.60	-0.79	2.15	18.31	38.45	V
836.50	-11.67	-33.50	-0.74	2.15	18.95	38.45	V
848.30	-11.50	-33.50	-0.73	2.15	19.12	38.45	V

LTE band 26(824MHz-849MHz)_3MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
825.50	-11.40	-33.60	-0.79	2.15	19.26	38.45	V
836.50	-11.82	-33.50	-0.74	2.15	18.79	38.45	V
847.50	-11.58	-33.50	-0.73	2.15	19.04	38.45	V

LTE band 26(824MHz-849MHz)_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
826.50	-11.64	-33.60	-0.79	2.15	19.02	38.45	V
836.50	-12.02	-33.50	-0.74	2.15	18.60	38.45	V
846.50	-11.56	-33.50	-0.73	2.15	19.05	38.45	V

LTE band 26(824MHz-849MHz)_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
829.00	-11.76	-33.60	-0.79	2.15	18.90	38.45	V
836.50	-12.06	-33.50	-0.74	2.15	18.56	38.45	V
844.00	-11.82	-33.50	-0.73	2.15	18.80	38.45	V

LTE band 26(824MHz-849MHz)_15MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
831.50	-11.78	-33.60	-0.79	2.15	18.87	38.45	V
836.50	-11.86	-33.50	-0.74	2.15	18.76	38.45	V
841.50	-11.86	-33.50	-0.73	2.15	18.75	38.45	V

LTE band 26(824MHz-849MHz)_1.4MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
824.70	-11.81	-33.60	-0.79	2.15	18.84	38.45	V
836.50	-11.51	-33.50	-0.74	2.15	19.11	38.45	V
848.30	-11.39	-33.50	-0.73	2.15	19.22	38.45	V

LTE band 26(824MHz-849MHz)_3MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
825.50	-10.97	-33.60	-0.79	2.15	19.69	38.45	V
836.50	-12.49	-33.50	-0.74	2.15	18.12	38.45	V
847.50	-12.60	-33.50	-0.73	2.15	18.01	38.45	V

LTE band 26(824MHz-849MHz)_5MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
826.50	-11.29	-33.60	-0.79	2.15	19.36	38.45	V
836.50	-11.68	-33.50	-0.74	2.15	18.94	38.45	V
846.50	-11.74	-33.50	-0.73	2.15	18.87	38.45	V

LTE band 26(824MHz-849MHz)_10MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
829.00	-11.39	-33.60	-0.79	2.15	19.27	38.45	V
836.50	-11.84	-33.50	-0.74	2.15	18.78	38.45	V
844.00	-11.83	-33.50	-0.73	2.15	18.79	38.45	V

LTE band 26(824MHz-849MHz)_15MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
831.50	-11.55	-33.60	-0.79	2.15	19.10	38.45	V
836.50	-11.92	-33.50	-0.74	2.15	18.69	38.45	V
841.50	-11.96	-33.50	-0.73	2.15	18.65	38.45	V

Peak ERP (dBm)=P_{Mea}(-11.31dBm)-(P_{cl}+P_{Ag})(-33.50dB)+G_a(-0.74dB) -2.15=19.30dBm

LTE Band 41 - EIRP Part 27.50(h)(2)
Limits: ≤33dBm (2W)

LTE Band 41_5MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2498.50	-18.13	-28.70	10.70	21.27	33.00	H
2593.00	-17.37	-28.60	10.70	21.93	33.00	H
2687.50	-16.86	-28.50	10.70	22.34	33.00	H

LTE Band 41_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2501.00	-18.35	-28.70	10.70	21.05	33.00	H
2593.00	-17.71	-28.60	10.70	21.59	33.00	H
2685.00	-17.27	-28.50	10.70	21.93	33.00	H

LTE Band 41_15MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2503.00	-18.58	-28.70	10.70	20.82	33.00	H
2593.00	-17.79	-28.60	10.70	21.52	33.00	H
2682.50	-17.37	-28.50	10.70	21.84	33.00	H

LTE Band 41_20MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	-18.51	-28.70	10.70	20.90	33.00	H
2593.00	-17.74	-28.60	10.70	21.57	33.00	H
2680.00	-17.18	-28.50	10.70	22.02	33.00	H

LTE Band 41_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2498.50	-18.11	-28.70	10.70	21.29	33.00	H
2593.00	-17.27	-28.60	10.70	22.03	33.00	H
2687.50	-16.80	-28.50	10.70	22.40	33.00	H

LTE Band 41_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2501.00	-18.29	-28.70	10.70	21.11	33.00	H
2593.00	-17.47	-28.60	10.70	21.83	33.00	H
2685.00	-17.05	-28.50	10.70	22.15	33.00	H

LTE Band 41_15MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2503.00	-18.51	-28.70	10.70	20.90	33.00	H
2593.00	-17.82	-28.60	10.70	21.48	33.00	H
2682.50	-17.18	-28.50	10.70	22.02	33.00	H

LTE Band 41_20 MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	-18.65	-28.70	10.70	20.75	33.00	H
2593.00	-18.04	-28.60	10.70	21.26	33.00	H
2680.00	-17.31	-28.50	10.70	21.90	33.00	H

LTE Band 41_5MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2498.50	-18.65	-28.70	10.70	20.75	33.00	H
2593.00	-17.87	-28.60	10.70	21.43	33.00	H
2687.50	-16.89	-28.50	10.70	22.31	33.00	H

LTE Band 41_10MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2501.00	-18.67	-28.70	10.70	20.73	33.00	H
2593.00	-18.04	-28.60	10.70	21.26	33.00	H
2685.00	-17.04	-28.50	10.70	22.16	33.00	H

LTE Band 41_15MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2503.00	-18.88	-28.70	10.70	20.52	33.00	H
2593.00	-18.26	-28.60	10.70	21.04	33.00	H
2682.50	-17.19	-28.50	10.70	22.01	33.00	H

LTE Band 41_20 MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	-18.94	-28.70	10.70	20.46	33.00	H
2593.00	-18.48	-28.60	10.70	20.82	33.00	H
2680.00	-17.51	-28.50	10.70	21.69	33.00	H

Peak EIRP (dBm)=P_{Mea}(-18.12dBm)-(P_{cl}+P_{Ag}) (-28.60dB)+G_a(10.70dB) =21.18dBm

LTE Band 66- EIRP Part 27.50(d)
Limits: ≤30dBm (1W)

LTE Band 66_1.4MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1710.70	-16.41	-29.60	8.10	21.29	30.00	H
1745.00	-16.08	-29.50	8.10	21.52	30.00	H
1779.30	-15.79	-29.50	8.10	21.81	30.00	H

LTE Band 66_3MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1711.50	-16.53	-29.60	8.10	21.17	30.00	H
1745.00	-16.20	-29.50	8.10	21.40	30.00	H
1778.50	-16.10	-29.50	8.10	21.50	30.00	H

LTE Band 66_5MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1712.50	-16.67	-29.60	8.10	21.04	30.00	H
1745.00	-16.27	-29.50	8.10	21.34	30.00	H
1777.50	-16.05	-29.50	8.10	21.56	30.00	H

LTE Band 66_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1715.00	-16.81	-29.60	8.10	20.89	30.00	H
1745.00	-16.38	-29.50	8.10	21.22	30.00	H
1775.00	-16.13	-29.50	8.10	21.48	30.00	H

LTE Band 66_15MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1717.50	-16.91	-29.60	8.10	20.80	30.00	H
1745.00	-16.48	-29.50	8.10	21.12	30.00	H
1772.53	-16.35	-29.50	8.10	21.25	30.00	H

LTE Band 66_20MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1720.00	-17.00	-29.60	8.10	20.70	30.00	H
1745.00	-16.58	-29.50	8.10	21.02	30.00	H
1770.00	-16.41	-29.50	8.10	21.19	30.00	H

LTE Band 66_1.4MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1710.70	-16.81	-29.60	8.10	20.89	30.00	H
1745.00	-16.21	-29.50	8.10	21.39	30.00	H
1779.30	-16.25	-29.50	8.10	21.35	30.00	H

LTE Band 66_3MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1711.50	-16.96	-29.60	8.10	20.74	30.00	H
1745.00	-16.30	-29.50	8.10	21.30	30.00	H
1778.50	-16.21	-29.50	8.10	21.39	30.00	H

LTE Band 66_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1712.50	-17.13	-29.60	8.10	20.57	30.00	H
1745.00	-16.55	-29.50	8.10	21.05	30.00	H
1777.50	-16.44	-29.50	8.10	21.16	30.00	H

LTE Band 66_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1715.00	-17.30	-29.60	8.10	20.40	30.00	H
1745.00	-16.67	-29.50	8.10	20.93	30.00	H
1775.00	-16.61	-29.50	8.10	20.99	30.00	H

LTE Band 66_15MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1717.50	-17.49	-29.60	8.10	20.21	30.00	H
1745.00	-16.88	-29.50	8.10	20.72	30.00	H
1772.53	-16.71	-29.50	8.10	20.90	30.00	H

LTE Band 66_20MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1720.00	-17.41	-29.60	8.10	20.29	30.00	H
1745.00	-16.80	-29.50	8.10	20.80	30.00	H
1770.00	-16.76	-29.50	8.10	20.84	30.00	H

LTE Band 66_1.4MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1710.70	-16.54	-29.60	8.10	21.16	30.00	H
1745.00	-15.48	-29.50	8.10	22.12	30.00	H
1779.30	-15.79	-29.50	8.10	21.81	30.00	H

LTE Band 66_3MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1711.50	-16.79	-29.60	8.10	20.91	30.00	H
1745.00	-15.71	-29.50	8.10	21.90	30.00	H
1778.50	-16.19	-29.50	8.10	21.41	30.00	H

LTE Band 66_5MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1712.50	-16.71	-29.60	8.10	21.00	30.00	H
1745.00	-15.61	-29.50	8.10	21.99	30.00	H
1777.50	-16.12	-29.50	8.10	21.48	30.00	H

LTE Band 66_10MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1715.00	-16.81	-29.60	8.10	20.89	30.00	H
1745.00	-15.98	-29.50	8.10	21.63	30.00	H
1775.00	-16.34	-29.50	8.10	21.26	30.00	H

LTE Band 66_15MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1717.50	-17.00	-29.60	8.10	20.71	30.00	H
1745.00	-16.28	-29.50	8.10	21.32	30.00	H
1772.53	-16.42	-29.50	8.10	21.18	30.00	H

LTE Band 66_20MHz_64QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1720.00	-17.33	-29.60	8.10	20.37	30.00	H
1745.00	-16.75	-29.50	8.10	20.85	30.00	H
1770.00	-16.86	-29.50	8.10	20.74	30.00	H

Peak EIRP (dBm)=P_{Mea}(-16.05dBm)-(P_{cl}+P_{Ag})(-29.50dB)+G_a(8.10dB) =21.55dBm

LTE Band CA_7C - EIRP Part 27.50(h)(2)
Limits: ≤33dBm (2W)

LTE Band CA_7C _10MHz+20MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2505.50	2519.90	-18.11	-28.70	10.70	21.29	33.00	V
2525.60	2540.00	-17.70	-28.60	10.70	21.60	33.00	V
2545.60	2560.00	-17.93	-28.60	10.70	21.37	33.00	V

LTE Band CA_7C _20MHz+10MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2510.00	2524.40	-17.71	-28.70	10.70	21.69	33.00	H
2530.10	2544.50	-17.46	-28.60	10.70	21.84	33.00	H
2550.10	2564.50	-17.53	-28.60	10.70	21.77	33.00	H

LTE Band CA_7C _20MHz+15MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2510.00	2527.10	-17.71	-28.70	10.70	21.69	33.00	H
2527.60	2544.70	-17.45	-28.60	10.70	21.85	33.00	H
2545.10	2562.20	-17.47	-28.60	10.70	21.83	33.00	H

LTE Band CA_7C _20MHz+20MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2510.00	2529.80	-17.95	-28.70	10.70	21.45	33.00	H
2525.10	2544.90	-17.56	-28.60	10.70	21.74	33.00	H
2540.20	2560.00	-17.70	-28.60	10.70	21.60	33.00	H

LTE Band CA_7C _15MHz+10MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2507.50	2519.50	-18.21	-28.70	10.70	21.19	33.00	H
2530.10	2542.10	-17.91	-28.60	10.70	21.39	33.00	H
2552.70	2564.70	-17.83	-28.60	10.70	21.47	33.00	H

LTE Band CA_7C _15MHz+15MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2507.50	2522.50	-17.54	-28.70	10.70	21.86	33.00	H
2527.50	2542.50	-17.30	-28.60	10.70	22.00	33.00	H
2547.50	2562.50	-17.44	-28.60	10.70	21.86	33.00	H

LTE Band CA_7C _15MHz+20MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2507.80	2425.90	-18.08	-28.70	10.70	21.32	33.00	H
2525.30	2542.40	-18.14	-28.60	10.70	21.16	33.00	H
2542.90	2560.00	-17.81	-28.60	10.70	21.49	33.00	H

LTE Band CA_7C _10MHz+20MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2505.50	2519.90	-20.15	-28.70	10.70	19.25	33.00	V
2525.60	2540.00	-19.73	-28.60	10.70	19.57	33.00	V
2545.60	2560.00	-19.95	-28.60	10.70	19.35	33.00	V

LTE Band CA_7C _20MHz+10MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2510.00	2524.40	-19.50	-28.70	10.70	19.90	33.00	H
2530.10	2544.50	-19.25	-28.60	10.70	20.05	33.00	H
2550.10	2564.50	-19.32	-28.60	10.70	19.98	33.00	H

LTE Band CA_7C _20MHz+15MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2510.00	2527.10	-19.48	-28.70	10.70	19.92	33.00	H
2527.60	2544.70	-19.21	-28.60	10.70	20.09	33.00	H
2545.10	2562.20	-19.23	-28.60	10.70	20.07	33.00	H

LTE Band CA_7C _20MHz+20MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2510.00	2529.80	-19.93	-28.70	10.70	19.47	33.00	H
2525.10	2544.90	-19.54	-28.60	10.70	19.76	33.00	H
2540.20	2560.00	-19.68	-28.60	10.70	19.62	33.00	H

LTE Band CA_7C _15MHz+10MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2507.50	2519.50	-19.23	-28.70	10.70	20.17	33.00	H
2530.10	2542.10	-18.96	-28.60	10.70	20.34	33.00	H
2552.70	2564.70	-18.81	-28.60	10.70	20.49	33.00	H

LTE Band CA_7C _15MHz+15MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2507.50	2522.50	-19.29	-28.70	10.70	20.11	33.00	H
2527.50	2542.50	-19.04	-28.60	10.70	20.26	33.00	H
2547.50	2562.50	-18.83	-28.60	10.70	20.47	33.00	H

LTE Band CA_7C _15MHz+20MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2507.80	2425.90	-19.94	-28.70	10.70	19.46	33.00	H
2525.30	2542.40	-19.95	-28.60	10.70	19.35	33.00	H
2542.90	2560.00	-19.66	-28.60	10.70	19.64	33.00	H

LTE Band CA_7C _10MHz+20MHz_64QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2505.50	2519.90	-21.47	-28.70	10.70	17.93	33.00	V
2525.60	2540.00	-21.06	-28.60	10.70	18.24	33.00	V
2545.60	2560.00	-21.28	-28.60	10.70	18.02	33.00	V

LTE Band CA_7C _20MHz+10MHz_64QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2510.00	2524.40	-21.29	-28.70	10.70	18.11	33.00	H
2530.10	2544.50	-21.04	-28.60	10.70	18.26	33.00	H
2550.10	2564.50	-21.10	-28.60	10.70	18.20	33.00	H

LTE Band CA_7C _20MHz+15MHz_64QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2510.00	2527.10	-21.26	-28.70	10.70	18.14	33.00	H
2527.60	2544.70	-21.00	-28.60	10.70	18.30	33.00	H
2545.10	2562.20	-21.01	-28.60	10.70	18.29	33.00	H

LTE Band CA_7C _20MHz+20MHz_64QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2510.00	2529.80	-21.26	-28.70	10.70	18.14	33.00	H
2525.10	2544.90	-20.87	-28.60	10.70	18.43	33.00	H
2540.20	2560.00	-21.01	-28.60	10.70	18.29	33.00	H

LTE Band CA_7C _15MHz+10MHz_64QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2507.50	2519.50	-21.06	-28.70	10.70	18.34	33.00	H
2530.10	2542.10	-20.76	-28.60	10.70	18.54	33.00	H
2552.70	2564.70	-20.67	-28.60	10.70	18.63	33.00	H

LTE Band CA_7C _15MHz+15MHz_64QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2507.50	2522.50	-20.96	-28.70	10.70	18.44	33.00	H
2527.50	2542.50	-20.73	-28.60	10.70	18.57	33.00	H
2547.50	2562.50	-20.46	-28.60	10.70	18.84	33.00	H

LTE Band CA_7C _15MHz+20MHz_64QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2507.80	2425.90	-21.40	-28.70	10.70	18.00	33.00	H
2525.30	2542.40	-21.48	-28.60	10.70	17.82	33.00	H
2542.90	2560.00	-21.12	-28.60	10.70	18.18	33.00	H

Peak EIRP (dBm)=P_{Mea}(-16.41dBm)-(P_{cl}+P_{Ag}) (-28.60dB)+Ga(10.70dB) =22.89dBm

LTE Band CA_41C - EIRP Part 27.50(h)(2)
Limits: ≤33dBm (2W)

LTE Band CA_41C _5MHz+20MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2499.30	2511.00	-18.17	-28.70	10.70	21.23	33.00	V
2583.80	2595.50	-17.79	-28.60	10.70	21.51	33.00	V
2668.30	2680.00	-17.93	-28.50	10.70	21.27	33.00	V

LTE Band CA_41C _10MHz+20MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2501.50	2515.90	-18.00	-28.70	10.70	21.40	33.00	V
2583.60	2598.00	-17.74	-28.60	10.70	21.56	33.00	V
2665.60	2680.00	-17.79	-28.60	10.70	21.51	33.00	V

LTE Band CA_41C _15MHz+20MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2503.80	2520.90	-17.96	-28.70	10.70	21.44	33.00	H
2583.30	2600.40	-17.75	-28.60	10.70	21.55	33.00	H
2662.90	2680.00	-17.82	-28.60	10.70	21.48	33.00	H

LTE Band CA_41C _20MHz+5MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	2517.70	-17.68	-28.70	10.70	21.72	33.00	H
2590.50	2602.20	-17.36	-28.60	10.70	21.94	33.00	H
2675.00	2686.70	-17.58	-28.60	10.70	21.72	33.00	H

LTE Band CA_41C _20MHz+10MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	2520.40	-17.66	-28.70	10.70	21.74	33.00	H
2588.10	2602.50	-17.50	-28.60	10.70	21.80	33.00	H
2670.10	2684.50	-17.61	-28.60	10.70	21.69	33.00	H

LTE Band CA_41C _20MHz+15MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	2523.10	-17.61	-28.70	10.70	21.79	33.00	H
2585.60	2602.70	-17.28	-28.60	10.70	22.02	33.00	H
2665.10	2682.20	-17.57	-28.60	10.70	21.73	33.00	H

LTE Band CA_41C _15MHz+15MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2503.50	2518.50	-18.11	-28.70	10.70	21.29	33.00	H
2585.50	2600.50	-17.89	-28.60	10.70	21.41	33.00	H
2667.50	2682.50	-17.96	-28.60	10.70	21.34	33.00	H

LTE Band CA_41C _20MHz+20MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	2525.80	-17.80	-28.70	10.70	21.60	33.00	H
2583.10	2602.90	-17.46	-28.60	10.70	21.84	33.00	H
2660.20	2680.00	-17.68	-28.60	10.70	21.62	33.00	H

LTE Band CA_41C _15MHz+10MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2503.50	2515.50	-17.74	-28.70	10.70	21.66	33.00	H
2588.10	2600.10	-17.57	-28.60	10.70	21.73	33.00	H
2672.70	2684.70	-17.68	-28.60	10.70	21.62	33.00	H

LTE Band CA_41C _10MHz+15MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2501.30	2513.30	-17.65	-28.70	10.70	21.75	33.00	V
2585.90	2597.90	-17.32	-28.60	10.70	21.98	33.00	V
2670.50	2682.50	-17.60	-28.60	10.70	21.70	33.00	V

LTE Band CA_41C _5MHz+20MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2499.30	2511.00	-19.89	-28.70	10.70	19.51	33.00	V
2583.80	2595.50	-19.52	-28.60	10.70	19.78	33.00	V
2668.30	2680.00	-19.67	-28.50	10.70	19.53	33.00	V

LTE Band CA_41C _10MHz+20MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2501.50	2515.90	-19.75	-28.70	10.70	19.65	33.00	V
2583.60	2598.00	-19.50	-28.60	10.70	19.80	33.00	V
2665.60	2680.00	-19.55	-28.60	10.70	19.75	33.00	V

LTE Band CA_41C _15MHz+20MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2503.80	2520.90	-19.74	-28.70	10.70	19.66	33.00	V
2583.30	2600.40	-19.54	-28.60	10.70	19.76	33.00	V
2662.90	2680.00	-19.61	-28.60	10.70	19.69	33.00	V

LTE Band CA_41C _20MHz+5MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	2517.70	-19.85	-28.70	10.70	19.55	33.00	H
2590.50	2602.20	-19.53	-28.60	10.70	19.77	33.00	H
2675.00	2686.70	-19.75	-28.60	10.70	19.55	33.00	H

LTE Band CA_41C _20MHz+10MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	2520.40	-19.83	-28.70	10.70	19.57	33.00	H
2588.10	2602.50	-19.66	-28.60	10.70	19.64	33.00	H
2670.10	2684.50	-19.78	-28.60	10.70	19.52	33.00	H

LTE Band CA_41C _20MHz+15MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	2523.10	-19.80	-28.70	10.70	19.60	33.00	H
2585.60	2602.70	-19.48	-28.60	10.70	19.82	33.00	H
2665.10	2682.20	-19.78	-28.60	10.70	19.52	33.00	H

LTE Band CA_41C _15MHz+15MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2503.50	2518.50	-20.02	-28.70	10.70	19.38	33.00	H
2585.50	2600.50	-19.81	-28.60	10.70	19.49	33.00	H
2667.50	2682.50	-19.88	-28.60	10.70	19.42	33.00	H

LTE Band CA_41C _20MHz+20MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	2525.80	-19.37	-28.70	10.70	20.03	33.00	H
2583.10	2602.90	-19.04	-28.60	10.70	20.26	33.00	H
2660.20	2680.00	-19.27	-28.60	10.70	20.03	33.00	H

LTE Band CA_41C _15MHz+10MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2503.50	2515.50	-19.28	-28.70	10.70	20.12	33.00	H
2588.10	2600.10	-19.11	-28.60	10.70	20.19	33.00	H
2672.70	2684.70	-19.23	-28.60	10.70	20.07	33.00	H

LTE Band CA_41C _10MHz+15MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2501.30	2513.30	-19.22	-28.70	10.70	20.18	33.00	V
2585.90	2597.90	-18.90	-28.60	10.70	20.40	33.00	V
2670.50	2682.50	-19.19	-28.60	10.70	20.11	33.00	V

LTE Band CA_41C _5MHz+20MHz_64QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2499.30	2511.00	-21.15	-28.70	10.70	18.25	33.00	V
2583.80	2595.50	-20.77	-28.60	10.70	18.53	33.00	V
2668.30	2680.00	-20.92	-28.50	10.70	18.28	33.00	V

LTE Band CA_41C _10MHz+20MHz_64QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2501.50	2515.90	-21.00	-28.70	10.70	18.40	33.00	V
2583.60	2598.00	-20.74	-28.60	10.70	18.56	33.00	V
2665.60	2680.00	-20.80	-28.60	10.70	18.50	33.00	V

LTE Band CA_41C _15MHz+20MHz_64QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2503.80	2520.90	-20.98	-28.70	10.70	18.42	33.00	H
2583.30	2600.40	-20.78	-28.60	10.70	18.52	33.00	H
2662.90	2680.00	-20.85	-28.60	10.70	18.45	33.00	H

LTE Band CA_41C _20MHz+5MHz_64QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	2517.70	-20.77	-28.70	10.70	18.63	33.00	H
2590.50	2602.20	-20.45	-28.60	10.70	18.85	33.00	H
2675.00	2686.70	-20.68	-28.60	10.70	18.62	33.00	H

LTE Band CA_41C _20MHz+10MHz_64QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	2520.40	-20.79	-28.70	10.70	18.61	33.00	H
2588.10	2602.50	-20.62	-28.60	10.70	18.68	33.00	H
2670.10	2684.50	-20.74	-28.60	10.70	18.56	33.00	H

LTE Band CA_41C _20MHz+15MHz_64QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	2523.10	-20.75	-28.70	10.70	18.65	33.00	H
2585.60	2602.70	-20.43	-28.60	10.70	18.87	33.00	H
2665.10	2682.20	-20.72	-28.60	10.70	18.58	33.00	H

LTE Band CA_41C _15MHz+15MHz_64QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2503.50	2518.50	-21.22	-28.70	10.70	18.18	33.00	H
2585.50	2600.50	-21.01	-28.60	10.70	18.29	33.00	H
2667.50	2682.50	-21.07	-28.60	10.70	18.23	33.00	H

LTE Band CA_41C _20MHz+20MHz_64QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	2525.80	-20.97	-28.70	10.70	18.43	33.00	H
2583.10	2602.90	-20.64	-28.60	10.70	18.66	33.00	H
2660.20	2680.00	-20.86	-28.60	10.70	18.44	33.00	H

LTE Band CA_41C _15MHz+10MHz_64QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2503.50	2515.50	-20.95	-28.70	10.70	18.45	33.00	H
2588.10	2600.10	-20.78	-28.60	10.70	18.52	33.00	H
2672.70	2684.70	-20.89	-28.60	10.70	18.41	33.00	H

LTE Band CA_41C _10MHz+15MHz_64QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2501.30	2513.30	-20.87	-28.70	10.70	18.53	33.00	V
2585.90	2597.90	-20.54	-28.60	10.70	18.76	33.00	V
2670.50	2682.50	-20.83	-28.60	10.70	18.47	33.00	V

Peak EIRP (dBm)=P_{Mea}(-18.00dBm)-(P_{cl}+P_{Ag}) (-28.70dB)+Ga(10.70dB) =21.40dBm

ANALYZER SETTINGS:

RBW = VBW = 8MHz for occupied bandwidths equal to or less than 5MHz.

RBW = VBW = 20MHz for occupied bandwidths equal to or greater than 10MHz.

Note: The maximum value of expanded measurement uncertainty for this test item is U =

2.72dB(30MHz-3GHz)/3.60dB(3GHz-18GHz)/3.58dB(18GHz-40GHz), k = 2

Note: Both of Vertical and Horizontal polarizations are evaluated, but only the worst case is recorded in this report.

A.2 FIELD STRENGTH OF SPURIOUS RADIATION

Reference

FCC: CFR 2.1053, 22.917, 24.238, 27.53, 90.691.

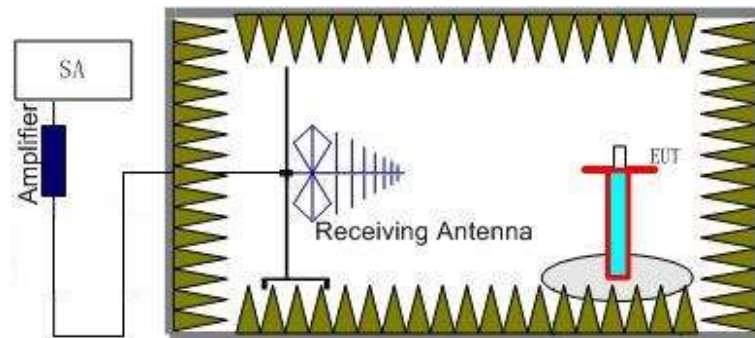
A.2.1 Measurement Method

This measurement is carried out in fully-anechoic chamber FAC-3.

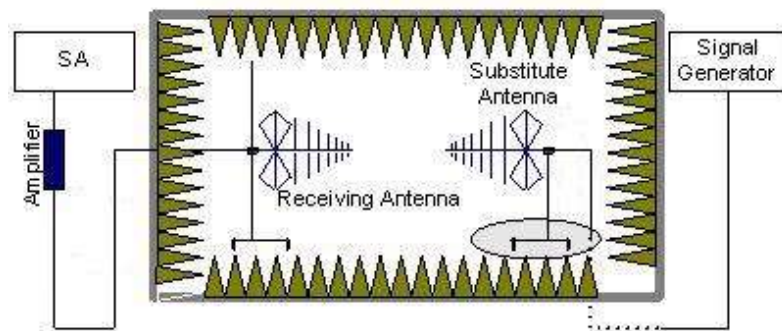
The spectrum was scanned from 30 MHz to the 10th harmonic of the highest frequency generated within the equipment, which is the transmitted carrier. The resolution bandwidth is set 1MHz as outlined in Part 22.917, 24.238, 27.53(h) and 90.691. The spectrum was scanned with the mobile station transmitting at carrier frequencies that pertain to low, mid and high channels of the LTE Bands 2,7,12,26, 41,66.

The procedure of radiated spurious emissions is as follows:

1. For radiated emissions measurements performed at frequencies less than or equal to 1 GHz, EUT was placed on a 80 cm high non-conductive stand at a 3 meter test distance from the receive antenna. For radiated measurements performed at frequencies above 1 GHz, EUT was placed on a 1.5 meter high non-conductive stand at a 3 meter test distance from the receive antenna. Receiving antenna was placed on the antenna mast 3 meters from the EUT. For emission measurements. The receiving antenna shall be varied from 1 m to 4 m in height above the reference ground in a search for the relative positioning that produces the maximum radiated signal level. The test setup refers to figure below. Detected emissions were maximized at each frequency by rotating the EUT through 360° and adjusting the receiving antenna polarization. The radiated emission measurements of all transmit frequencies in three channels (High, Middle, Low) were measured with peak detector.



2. The EUT is then put into continuously transmitting mode at its maximum power level during the test. And the maximum value of the receiver should be recorded as (Pr).
3. The EUT shall be replaced by a substitution antenna. The test setup refers to figure below.



In the chamber, an substitution antenna for the frequency band of interest is placed at the reference point of the chamber. An RF Signal source for the frequency band of interest is connected to the substitution antenna with a cable that has been constructed to not interfere with the radiation pattern of the antenna. A power (P_{Mea}) is applied to the input of the substitution antenna and adjusts the level of the signal generator output until the value of the receiver reaches the previously recorded (P_r). The power of signal source (P_{Mea}) is recorded. The test should be performed by rotating the test item and adjusting the receiving antenna polarization.

4. The Path loss (P_{pl}) between the Signal Source with the Substitution Antenna and the Substitution Antenna Gain(dBi) (G_a) should be recorded after test.

An amplifier should be connected in for the test.

The Path loss (P_{pl}) is the summation of the cable loss and the gain of the amplifier.

The measurement results are obtained as described below:

$$\text{Power (EIRP)} = P_{Mea} - P_{pl} + G_a$$

5. This value is EIRP since the measurement is calibrated using an antenna of known gain (unit: dBi) and known input power.
6. ERP can be calculated from EIRP by subtracting the gain of the dipole, $ERP = EIRP - 2.15\text{dB}$.

A.2.2 Measurement Results

Radiated emissions measurements were made only at the upper, middle, and lower carrier frequencies of the LTE Bands 2,7,12,26, 41,66. It was decided that measurements at these three carrier frequencies would be sufficient to demonstrate compliance with emissions limits because it was seen that all the significant spurs occur well outside the band and no radiation was seen from a carrier in one block of the LTE Bands 2,7,12,26, 41,66 into any of the other blocks. The equipment must still, however, meet emissions requirements with the carrier at all frequencies over which it is capable of operating and it is the manufacturer's responsibility to verify this. Only worst case result is given below.

Lower antenna
LTE Band 2, 1.4MHz, QPSK, Channel 18607

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
10727.14	-71.00	2.40	10.80	-62.60	-13.00	H
12027.86	-70.15	2.60	12.60	-60.15	-13.00	V
13451.14	-69.45	2.50	13.30	-58.65	-13.00	V
14839.29	-64.99	2.70	11.20	-56.49	-13.00	V
15884.14	-65.91	2.40	15.60	-52.71	-13.00	H
17515.29	-60.46	2.90	12.80	-50.56	-13.00	H

LTE Band 2, 1.4MHz, QPSK, Channel 18900

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
7517.57	-60.37	1.90	11.30	-50.97	-13.00	H
9397.71	-57.11	2.10	11.60	-47.61	-13.00	H
11277.00	-43.59	2.60	10.50	-35.69	-13.00	H
13157.14	-60.65	2.30	13.30	-49.65	-13.00	H
15036.86	-60.10	2.40	12.40	-50.10	-13.00	H
17899.29	-56.51	3.60	12.80	-47.31	-13.00	H

LTE Band 2, 1.4MHz, QPSK, Channel 19193

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
5988.38	-65.24	1.50	13.10	-53.64	-13.00	V
7635.43	-61.61	1.80	11.30	-52.11	-13.00	H
9543.86	-53.25	2.10	11.20	-44.15	-13.00	H
11453.14	-47.34	2.60	10.50	-39.44	-13.00	H
14894.57	-59.27	2.70	11.20	-50.77	-13.00	V
17921.14	-56.31	3.20	12.80	-46.71	-13.00	H

LTE Band 2, 1.4MHz, 16QAM, Channel 18607

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
7401.00	-62.91	1.90	12.00	-52.81	-13.00	H
9251.57	-62.11	2.10	11.60	-52.61	-13.00	H
11101.29	-44.30	2.30	10.50	-36.10	-13.00	H
12951.86	-62.64	2.50	13.80	-51.34	-13.00	H
14944.71	-59.24	2.70	11.20	-50.74	-13.00	H
17922.43	-56.88	3.20	12.80	-47.28	-13.00	H

LTE Band 2, 1.4MHz, 16QAM, Channel 18900

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
7518.00	-61.00	1.90	11.30	-51.60	-13.00	H
9398.14	-54.87	2.10	11.60	-45.37	-13.00	H
11277.00	-43.56	2.60	10.50	-35.66	-13.00	V
13156.71	-61.30	2.30	13.30	-50.30	-13.00	H
15177.86	-61.79	2.50	12.40	-51.89	-13.00	H
17894.14	-56.63	3.60	12.80	-47.43	-13.00	H

LTE Band 2, 1.4MHz, 16QAM, Channel 19193

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
7635.43	-62.58	1.80	11.30	-53.08	-13.00	V
8283.00	-65.07	1.90	11.30	-55.67	-13.00	V
9544.29	-54.50	2.10	11.20	-45.40	-13.00	V
11453.14	-48.41	2.60	10.50	-40.51	-13.00	V
14859.86	-59.59	2.70	11.20	-51.09	-13.00	V
17920.71	-57.23	3.20	12.80	-47.63	-13.00	V

LTE Band 2, 1.4MHz, 64QAM, Channel 18607

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
5807.25	-65.24	1.50	13.10	-53.64	-13.00	V
7401.00	-63.19	1.90	12.00	-53.09	-13.00	H
9251.14	-60.31	2.10	11.60	-50.81	-13.00	H
11101.29	-46.07	2.30	10.50	-37.87	-13.00	H
14928.43	-59.30	2.70	11.20	-50.80	-13.00	H
17896.71	-56.12	3.60	12.80	-46.92	-13.00	H

LTE Band 2, 1.4MHz, 64QAM, Channel 18900

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
7518.00	-57.28	1.90	11.30	-47.88	-13.00	H
9397.71	-55.60	2.10	11.60	-46.10	-13.00	H
11277.43	-43.47	2.60	10.50	-35.57	-13.00	H
13157.14	-62.87	2.30	13.30	-51.87	-13.00	H
15036.43	-60.22	2.40	12.40	-50.22	-13.00	H
17920.29	-56.05	3.20	12.80	-46.45	-13.00	H

LTE Band 2, 1.4MHz, 64QAM, Channel 19193

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
7635.00	-60.48	1.80	11.30	-50.98	-13.00	H
9544.29	-55.82	2.10	11.20	-46.72	-13.00	H
11453.14	-49.52	2.60	10.50	-41.62	-13.00	H
13362.00	-62.32	2.30	13.30	-51.32	-13.00	H
15270.43	-60.64	2.50	12.40	-50.74	-13.00	H
17920.29	-56.94	3.20	12.80	-47.34	-13.00	H

Note: The maximum value of expanded measurement uncertainty for this test item is $U = 2.72\text{dB}(30\text{MHz}-3\text{GHz})/3.60\text{dB}(3\text{GHz}-18\text{GHz})/3.58\text{dB}(18\text{GHz}-40\text{GHz})$, $k = 2$

LTE Band 7, 5 MHz, QPSK, Channel 20775

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
4098.38	-57.25	1.30	12.40	-46.15	-25.00	V
4920.00	-55.58	1.30	12.50	-44.38	-25.00	V
5918.25	-55.24	1.50	13.10	-43.64	-25.00	V
10031.54	-47.16	2.20	11.30	-38.06	-25.00	V
14975.08	-50.62	2.70	11.20	-42.12	-25.00	H
17923.85	-48.09	3.20	12.80	-38.49	-25.00	H

LTE Band 7, 5 MHz, QPSK, Channel 21100

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
5112.75	-56.53	1.20	12.50	-45.23	-25.00	H
5976.38	-55.58	1.50	13.10	-43.98	-25.00	V
10131.23	-45.23	2.00	11.30	-35.93	-25.00	V
12528.92	-55.48	2.40	13.80	-44.08	-25.00	H
14909.08	-50.60	2.70	11.20	-42.10	-25.00	H
17040.00	-50.02	2.90	14.50	-38.42	-25.00	H

LTE Band 7, 5 MHz, QPSK, Channel 21425

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
5995.50	-55.17	1.50	13.10	-43.57	-25.00	V
10261.38	-41.70	2.10	11.30	-32.50	-25.00	V
12503.08	-54.95	2.60	13.80	-43.75	-25.00	H
13422.00	-53.90	2.30	13.30	-42.90	-25.00	V
14838.46	-50.75	2.70	11.20	-42.25	-25.00	H
17927.54	-48.18	3.20	12.80	-38.58	-25.00	H

LTE Band 7, 5 MHz, 16QAM, Channel 20775

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
5997.00	-55.62	1.50	13.10	-44.02	-25.00	V
10001.08	-46.04	2.20	11.30	-36.94	-25.00	V
12502.15	-54.92	2.60	13.80	-43.72	-25.00	V
13488.00	-54.06	2.50	13.30	-43.26	-25.00	H
14893.85	-50.84	2.70	11.20	-42.34	-25.00	H
17079.69	-50.31	2.90	14.50	-38.71	-25.00	H

LTE Band 7, 5 MHz, 16QAM, Channel 21100

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
5943.00	-55.45	1.50	13.10	-43.85	-25.00	V
10131.23	-46.30	2.00	11.30	-37.00	-25.00	V
12462.00	-53.73	2.60	12.60	-43.73	-25.00	H
14821.85	-50.83	2.50	11.20	-42.13	-25.00	H
17160.46	-50.64	2.90	14.50	-39.04	-25.00	H
17946.00	-49.21	3.20	12.80	-39.61	-25.00	H

LTE Band 7, 5 MHz, 16QAM, Channel 21425

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
5822.25	-55.09	1.40	13.10	-43.39	-25.00	V
10261.38	-44.18	2.10	11.30	-34.98	-25.00	V
12456.00	-53.43	2.60	12.60	-43.43	-25.00	V
13472.77	-54.05	2.50	13.30	-43.25	-25.00	V
14895.23	-50.71	2.70	11.20	-42.21	-25.00	V
17915.08	-48.28	3.20	12.80	-38.68	-25.00	V

LTE Band 7, 5 MHz, 64QAM, Channel 20775

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
4560.38	-56.07	1.30	12.50	-44.87	-25.00	H
5994.75	-55.18	1.50	13.10	-43.58	-25.00	H
10001.54	-45.14	2.20	11.30	-36.04	-25.00	V
12477.23	-53.79	2.60	12.60	-43.79	-25.00	V
14907.69	-51.32	2.70	11.20	-42.82	-25.00	V
17953.85	-48.72	3.20	12.80	-39.12	-25.00	V

LTE Band 7, 5 MHz, 64QAM, Channel 21100

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
5980.88	-55.45	1.50	13.10	-43.85	-25.00	V
10131.23	-44.39	2.00	11.30	-35.09	-25.00	V
11648.77	-51.83	2.60	11.00	-43.43	-25.00	V
12878.77	-54.37	2.70	13.80	-43.27	-25.00	H
16861.85	-52.77	2.90	16.50	-39.17	-25.00	H
17925.23	-47.91	3.20	12.80	-38.31	-25.00	H

LTE Band 7, 5 MHz, 64QAM, Channel 21425

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
4569.75	-56.30	1.30	12.50	-45.10	-25.00	V
5973.00	-55.21	1.50	13.10	-43.61	-25.00	H
10261.38	-42.96	2.10	11.30	-33.76	-25.00	V
12231.69	-53.50	2.60	12.60	-43.50	-25.00	H
14872.15	-50.46	2.70	11.20	-41.96	-25.00	H
16610.77	-53.06	2.60	16.50	-39.16	-25.00	H

Note: The maximum value of expanded measurement uncertainty for this test item is $U = 2.72\text{dB}(30\text{MHz}-3\text{GHz})/3.60\text{dB}(3\text{GHz}-18\text{GHz})/3.58\text{dB}(18\text{GHz}-40\text{GHz})$, $k = 2$

LTE Band 12, 1.4MHz, QPSK, Channel 23017

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2976.49	-50.17	1.00	10.70	-42.62	-13.00	H
5977.88	-55.43	1.50	13.10	-45.98	-13.00	V
6846.14	-57.92	1.80	12.40	-49.47	-13.00	H
7597.29	-57.41	1.80	11.30	-50.06	-13.00	H
8185.71	-57.48	2.20	11.30	-50.53	-13.00	H
9514.00	-55.77	2.10	11.20	-48.82	-13.00	H

LTE Band 12, 1.4MHz, QPSK, Channel 23095

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2998.81	-49.27	1.00	10.70	-41.72	-13.00	H
5982.00	-55.80	1.50	13.10	-46.35	-13.00	V
7027.29	-57.00	1.80	12.00	-48.95	-13.00	V
7731.71	-57.65	1.80	11.30	-50.30	-13.00	V
8843.43	-56.95	1.90	12.00	-49.00	-13.00	V
9924.43	-57.90	2.20	11.20	-51.05	-13.00	V

LTE Band 12, 1.4MHz, QPSK, Channel 23173

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2991.69	-49.42	1.00	10.70	-41.87	-13.00	H
5996.63	-54.87	1.50	13.10	-45.42	-13.00	V
6739.00	-57.41	1.70	12.40	-48.86	-13.00	V
7469.71	-58.00	1.90	12.00	-50.05	-13.00	V
8914.00	-57.36	1.90	12.00	-49.41	-13.00	H
9809.29	-57.85	2.30	11.20	-51.10	-13.00	H

LTE Band 12, 1.4MHz, 16QAM, Channel 23017

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2992.88	-48.93	1.00	10.70	-41.38	-13.00	V
5975.63	-55.86	1.50	13.10	-46.41	-13.00	V
6744.43	-57.12	1.70	12.40	-48.57	-13.00	V
7611.71	-57.60	1.80	11.30	-50.25	-13.00	V
8903.00	-57.57	1.90	12.00	-49.62	-13.00	H
9838.29	-57.82	2.30	11.20	-51.07	-13.00	H

LTE Band 12, 1.4MHz 16QAM, Channel 23095

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2990.74	-49.91	1.00	10.70	-42.36	-13.00	V
5979.38	-56.22	1.50	13.10	-46.77	-13.00	H
6665.00	-57.27	1.80	12.40	-48.82	-13.00	V
7641.43	-56.93	1.80	11.30	-49.58	-13.00	V
8962.29	-57.18	2.00	12.00	-49.33	-13.00	V
9985.86	-57.78	2.20	11.20	-50.93	-13.00	V

LTE Band 12, 1.4MHz, 16QAM, Channel 23173

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2987.65	-49.37	1.00	10.70	-41.82	-13.00	H
6038.86	-56.83	1.50	13.10	-47.38	-13.00	V
6843.14	-58.31	1.80	12.40	-49.86	-13.00	V
7613.14	-56.41	1.80	11.30	-49.06	-13.00	V
8258.14	-57.12	1.90	11.30	-49.87	-13.00	H
9606.71	-56.48	2.10	11.20	-49.53	-13.00	V

LTE Band 12, 1.4MHz, 64QAM, Channel 23017

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2977.91	-49.60	1.00	10.70	-42.05	-13.00	H
5982.00	-54.57	1.50	13.10	-45.12	-13.00	V
7258.29	-58.86	1.90	12.00	-50.91	-13.00	H
7922.14	-56.18	1.70	11.30	-48.73	-13.00	H
8620.00	-58.25	2.00	12.00	-50.40	-13.00	V
9524.71	-55.99	2.10	11.20	-49.04	-13.00	H

LTE Band 12, 1.4MHz 64QAM, Channel 23095

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2994.54	-49.46	1.00	10.70	-41.91	-13.00	H
5975.25	-55.39	1.50	13.10	-45.94	-13.00	V
6700.00	-57.91	1.70	12.40	-49.36	-13.00	V
7570.86	-57.59	1.80	11.30	-50.24	-13.00	V
8265.86	-57.07	1.90	11.30	-49.82	-13.00	V
9516.14	-56.36	2.10	11.20	-49.41	-13.00	V

LTE Band 12, 1.4MHz, 64QAM, Channel 23173

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2994.54	-49.31	1.00	10.70	-41.76	-13.00	H
5992.13	-55.53	1.50	13.10	-46.08	-13.00	V
6655.43	-57.45	1.80	12.40	-49.00	-13.00	V
7794.00	-57.58	1.80	11.30	-50.23	-13.00	V
8599.71	-59.28	2.00	12.00	-51.43	-13.00	V
9425.00	-58.30	2.10	11.60	-50.95	-13.00	V

Note: The maximum value of expanded measurement uncertainty for this test item is $U = 2.72\text{dB}(30\text{MHz}-3\text{GHz})/3.60\text{dB}(3\text{GHz}-18\text{GHz})/3.58\text{dB}(18\text{GHz}-40\text{GHz})$, $k = 2$

LTE Band 26(814MHz-824MHz), 1.4MHz, QPSK, Channel 26783

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
1432.00	-42.78	0.70	6.00	-39.63	-13.00	H
8476.00	-47.96	1.80	11.30	-40.61	-13.00	H
9299.50	-47.26	2.00	11.60	-39.81	-13.00	H
9474.50	-47.09	2.10	11.60	-39.74	-13.00	V
9724.50	-46.79	2.20	11.20	-39.94	-13.00	H
9799.00	-47.15	2.30	11.20	-40.40	-13.00	H

LTE Band 26(814MHz-824MHz), 1.4MHz, QPSK, Channel 26740

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
7340.00	-48.84	1.70	12.00	-40.69	-13.00	H
8482.00	-48.05	1.80	11.30	-40.70	-13.00	H
9100.50	-47.56	2.20	11.60	-40.31	-13.00	H
9306.00	-47.41	2.00	11.60	-39.96	-13.00	H
9375.50	-47.68	2.00	11.60	-40.23	-13.00	V
9748.00	-47.13	2.20	11.20	-40.28	-13.00	H

LTE Band 26(814MHz-824MHz), 1.4MHz, QPSK, Channel 26697

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
1425.50	-40.61	0.70	6.00	-37.46	-13.00	H
9101.00	-47.55	2.20	11.60	-40.30	-13.00	H
9221.00	-46.57	2.10	11.60	-39.22	-13.00	H
9474.50	-47.13	2.10	11.60	-39.78	-13.00	V
9758.00	-47.02	2.20	11.20	-40.17	-13.00	H
9934.00	-47.43	2.20	11.20	-40.58	-13.00	H

LTE Band 26(814MHz-824MHz), 1.4MHz, 16QAM, Channel 26783

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
1442.50	-42.19	0.70	6.00	-39.04	-13.00	H
9104.00	-48.08	2.20	11.60	-40.83	-13.00	H
9224.50	-47.17	2.10	11.60	-39.82	-13.00	H
9421.50	-46.61	2.10	11.60	-39.26	-13.00	H
9730.50	-47.78	2.20	11.20	-40.93	-13.00	H
9798.50	-47.06	2.30	11.20	-40.31	-13.00	H

LTE Band 26(814MHz-824MHz), 1.4MHz, 16QAM, Channel 26740

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
7385.50	-48.82	1.70	12.00	-40.67	-13.00	H
9100.50	-47.38	2.20	11.60	-40.13	-13.00	H
9227.50	-46.79	2.10	11.60	-39.44	-13.00	H
9475.00	-46.24	2.10	11.60	-38.89	-13.00	V
9761.00	-47.45	2.20	11.20	-40.60	-13.00	H
9792.00	-47.52	2.30	11.20	-40.77	-13.00	H

LTE Band 26(814MHz-824MHz), 1.4MHz, 16QAM, Channel 26697

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
1424.50	-40.87	0.70	6.00	-37.72	-13.00	H
9104.00	-48.07	2.20	11.60	-40.82	-13.00	H
9299.00	-46.60	2.00	11.60	-39.15	-13.00	H
9478.00	-47.86	2.10	11.60	-40.51	-13.00	V
9736.00	-47.49	2.20	11.20	-40.64	-13.00	H
9802.50	-47.69	2.30	11.20	-40.94	-13.00	H

LTE Band 26(814MHz-824MHz), 1.4MHz, 64QAM, Channel 26783

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
1444.00	-41.79	0.70	6.00	-38.64	-13.00	H
9087.00	-47.06	2.20	11.60	-39.81	-13.00	H
9296.50	-47.01	2.00	11.60	-39.56	-13.00	H
9473.00	-47.07	2.10	11.60	-39.72	-13.00	V
9747.00	-47.43	2.20	11.20	-40.58	-13.00	H
9810.00	-47.33	2.30	11.20	-40.58	-13.00	H

LTE Band 26(814MHz-824MHz), 1.4MHz, 64QAM, Channel 26740

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
8479.50	-48.09	1.80	11.30	-40.74	-13.00	H
9097.50	-47.26	2.20	11.60	-40.01	-13.00	H
9302.00	-46.97	2.00	11.60	-39.52	-13.00	H
9473.50	-46.62	2.10	11.60	-39.27	-13.00	V
9733.00	-46.93	2.20	11.20	-40.08	-13.00	H
9809.00	-46.38	2.30	11.20	-39.63	-13.00	H

LTE Band 26(814MHz-824MHz), 1.4MHz, 64QAM, Channel 26697

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
8491.50	-47.69	1.80	11.30	-40.34	-13.00	H
9101.50	-47.36	2.20	11.60	-40.11	-13.00	H
9303.00	-46.72	2.00	11.60	-39.27	-13.00	H
9475.00	-47.13	2.10	11.60	-39.78	-13.00	V
9731.50	-46.76	2.20	11.20	-39.91	-13.00	H
9819.00	-47.41	2.30	11.20	-40.66	-13.00	V

Note: The maximum value of expanded measurement uncertainty for this test item is $U = 2.72\text{dB}(30\text{MHz}-3\text{GHz})/3.60\text{dB}(3\text{GHz}-18\text{GHz})/3.58\text{dB}(18\text{GHz}-40\text{GHz})$, $k = 2$

LTE band 26(824MHz-849MHz), 1.4MHz, QPSK, Channel 27033

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1486.50	-39.10	0.70	6.00	-35.95	-13.00	V
8474.00	-47.57	1.80	11.30	-40.22	-13.00	H
9103.50	-47.86	2.20	11.60	-40.61	-13.00	H
9149.00	-46.81	2.10	11.60	-39.46	-13.00	H
9477.50	-46.58	2.10	11.60	-39.23	-13.00	V
9746.00	-47.46	2.20	11.20	-40.61	-13.00	H

LTE band 26(824MHz-849MHz), 1.4MHz, QPSK, Channel 26915

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
8477.00	-47.99	1.80	11.30	-40.64	-13.00	H
8748.50	-48.63	2.00	12.00	-40.78	-13.00	H
9297.00	-46.84	2.00	11.60	-39.39	-13.00	H
9428.00	-47.23	2.10	11.60	-39.88	-13.00	H
9731.00	-47.18	2.20	11.20	-40.33	-13.00	H
9785.00	-46.60	2.30	11.20	-39.85	-13.00	H

LTE band 26(824MHz-849MHz), 1.4MHz, QPSK, Channel 26797

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1432.50	-41.84	0.70	6.00	-38.69	-13.00	V
1445.50	-42.18	0.70	6.00	-39.03	-13.00	H
2438.75	-43.65	0.90	9.80	-36.90	-13.00	H
8470.00	-47.95	1.80	11.30	-40.60	-13.00	H
9291.00	-46.44	2.00	11.60	-38.99	-13.00	H
9476.50	-47.54	2.10	11.60	-40.19	-13.00	V

LTE band 26(824MHz-849MHz), 1.4MHz, 16QAM, Channel 27033

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1480.50	-40.90	0.70	6.00	-37.75	-13.00	V
8773.50	-48.79	1.90	12.00	-40.84	-13.00	H
9099.50	-47.62	2.20	11.60	-40.37	-13.00	H
9225.50	-45.88	2.10	11.60	-38.53	-13.00	H
9476.50	-47.54	2.10	11.60	-40.19	-13.00	V
9795.00	-46.81	2.30	11.20	-40.06	-13.00	H

LTE band 26(824MHz-849MHz), 1.4MHz, 16QAM, Channel 26915

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
7326.50	-49.01	1.70	12.00	-40.86	-13.00	H
8481.00	-47.70	1.80	11.30	-40.35	-13.00	H
9104.50	-47.37	2.20	11.60	-40.12	-13.00	H
9300.50	-46.91	2.00	11.60	-39.46	-13.00	H
9473.00	-47.10	2.10	11.60	-39.75	-13.00	V
9807.50	-47.31	2.30	11.20	-40.56	-13.00	H

LTE band 26(824MHz-849MHz), 1.4MHz, 16QAM, Channel 26797

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1434.00	-42.79	0.70	6.00	-39.64	-13.00	V
9099.50	-47.34	2.20	11.60	-40.09	-13.00	H
9226.50	-46.84	2.10	11.60	-39.49	-13.00	H
9471.00	-46.67	2.10	11.60	-39.32	-13.00	V
9743.50	-46.82	2.20	11.20	-39.97	-13.00	H
9803.00	-46.47	2.30	11.20	-39.72	-13.00	H

LTE band 26(824MHz-849MHz), 1.4MHz, 64QAM, Channel 27033

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1492.00	-39.72	0.70	6.00	-36.57	-13.00	V
8457.00	-47.89	1.80	11.30	-40.54	-13.00	H
9107.50	-47.80	2.10	11.60	-40.45	-13.00	H
9299.50	-46.92	2.00	11.60	-39.47	-13.00	H
9471.00	-46.18	2.10	11.60	-38.83	-13.00	V
9758.50	-47.39	2.20	11.20	-40.54	-13.00	H

LTE band 26(824MHz-849MHz), 1.4MHz, 64QAM, Channel 26915

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
7324.00	-49.34	1.70	12.00	-41.19	-13.00	V
9106.00	-48.09	2.20	11.60	-40.84	-13.00	H
9227.00	-46.84	2.10	11.60	-39.49	-13.00	H
9476.50	-47.17	2.10	11.60	-39.82	-13.00	V
9741.00	-47.36	2.20	11.20	-40.51	-13.00	H
9793.00	-47.39	2.30	11.20	-40.64	-13.00	H

LTE band 26(824MHz-849MHz), 1.4MHz, 64QAM, Channel 26797

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1443.50	-41.27	0.70	6.00	-38.12	-13.00	H
9097.50	-47.98	2.20	11.60	-40.73	-13.00	H
9218.50	-46.79	2.10	11.60	-39.44	-13.00	H
9476.50	-47.61	2.10	11.60	-40.26	-13.00	V
9747.00	-47.42	2.20	11.20	-40.57	-13.00	H
9800.00	-47.42	2.30	11.20	-40.67	-13.00	H

Note: The maximum value of expanded measurement uncertainty for this test item is $U = 2.72\text{dB}(30\text{MHz}-3\text{GHz})/3.60\text{dB}(3\text{GHz}-18\text{GHz})/3.58\text{dB}(18\text{GHz}-40\text{GHz})$, $k = 2$

LTE Band 41, 5MHz, QPSK, Channel 40165

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
5979.00	-54.99	1.50	13.10	-43.39	-25.00	V
9985.38	-42.92	2.20	11.20	-33.92	-25.00	V
12566.31	-55.31	2.40	13.80	-43.91	-25.00	H
12811.85	-54.17	2.70	13.80	-43.07	-25.00	H
14818.62	-51.34	2.50	11.20	-42.64	-25.00	V
17034.00	-50.79	2.90	14.50	-39.19	-25.00	V

LTE Band 41, 5MHz, QPSK, Channel 40690

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
3544.50	-58.56	1.20	12.20	-47.56	-25.00	V
4165.50	-57.72	1.20	12.40	-46.52	-25.00	V
4669.88	-56.20	1.30	12.50	-45.00	-25.00	V
6000.00	-54.91	1.50	13.10	-43.31	-25.00	V
14875.85	-56.37	2.70	11.20	-47.87	-25.00	H
17951.54	-49.74	3.20	12.80	-40.14	-25.00	V

LTE Band 41, 5MHz, QPSK, Channel 41215

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
5118.38	-56.68	1.30	12.50	-45.48	-25.00	H
5905.50	-55.55	1.50	13.10	-43.95	-25.00	V
10489.38	-54.09	2.30	11.30	-45.09	-25.00	V
10740.92	-42.31	2.40	10.80	-33.91	-25.00	V
14941.38	-50.64	2.70	11.20	-42.14	-25.00	V
17917.85	-49.03	3.20	12.80	-39.43	-25.00	V

LTE Band 41, 5MHz, 16QAM, Channel 40165

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
6150.46	-57.66	1.60	13.10	-46.16	-25.00	H
8220.00	-56.11	2.20	11.30	-47.01	-25.00	H
9985.38	-48.99	2.20	11.20	-39.99	-25.00	H
12272.31	-54.48	2.60	12.60	-44.48	-25.00	H
14873.54	-51.81	2.70	11.20	-43.31	-25.00	H
17917.38	-49.22	3.20	12.80	-39.62	-25.00	H

LTE Band 41, 5MHz, 16QAM, Channel 40690

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
3588.38	-59.05	1.10	12.20	-47.95	-25.00	V
5989.88	-55.47	1.50	13.10	-43.87	-25.00	V
10363.38	-44.24	2.10	11.30	-35.04	-25.00	V
12378.00	-54.35	2.60	12.60	-44.35	-25.00	V
13364.77	-55.08	2.30	13.30	-44.08	-25.00	V
17926.15	-47.40	3.20	12.80	-37.80	-25.00	V

LTE Band 41, 5MHz, 16QAM, Channel 41215

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
4479.38	-56.40	1.20	12.40	-45.20	-25.00	H
5868.75	-55.68	1.40	13.10	-43.98	-25.00	H
8253.69	-56.40	1.90	11.30	-47.00	-25.00	V
10741.38	-46.30	2.40	10.80	-37.90	-25.00	V
14769.69	-51.50	2.50	11.20	-42.80	-25.00	V
17927.08	-48.60	3.20	12.80	-39.00	-25.00	V

LTE Band 41, 5MHz, 64QAM, Channel 40165

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
4171.88	-57.05	1.20	12.40	-45.85	-25.00	V
5805.75	-54.92	1.50	13.10	-43.32	-25.00	V
8260.62	-56.67	1.90	11.30	-47.27	-25.00	V
10363.38	-42.75	2.10	11.30	-33.55	-25.00	V
12878.77	-54.31	2.70	13.80	-43.21	-25.00	V
16846.62	-52.99	2.90	16.50	-39.39	-25.00	V

LTE Band 41, 5MHz, 64QAM, Channel 40690

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
5975.25	-55.71	1.50	13.10	-44.11	-25.00	V
8281.85	-55.69	1.90	11.30	-46.29	-25.00	H
10363.38	-46.07	2.10	11.30	-36.87	-25.00	H
12456.46	-54.71	2.60	12.60	-44.71	-25.00	H
14875.85	-51.48	2.70	11.20	-42.98	-25.00	H
17920.15	-48.60	3.20	12.80	-39.00	-25.00	H

LTE Band 41, 5MHz, 64QAM, Channel 41215

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
4238.63	-57.49	1.20	12.40	-46.29	-25.00	H
5894.63	-55.56	1.50	13.10	-43.96	-25.00	V
10740.92	-41.53	2.40	10.80	-33.13	-25.00	V
12815.54	-54.18	2.70	13.80	-43.08	-25.00	V
14941.85	-51.37	2.70	11.20	-42.87	-25.00	H
17915.54	-48.08	3.20	12.80	-38.48	-25.00	V

Note: The maximum value of expanded measurement uncertainty for this test item is $U = 2.72\text{dB}(30\text{MHz}-3\text{GHz})/3.60\text{dB}(3\text{GHz}-18\text{GHz})/3.58\text{dB}(18\text{GHz}-40\text{GHz})$, $k = 2$

LTE Band 66, 1.4MHz QPSK, Channel 131979

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
16948.50	-41.87	2.90	16.50	-28.27	-13.00	H
17223.00	-39.64	3.20	14.50	-28.34	-13.00	H
17505.00	-36.32	2.90	12.80	-26.42	-13.00	H
17619.00	-36.04	3.30	12.80	-26.54	-13.00	H
17776.50	-37.08	3.60	12.80	-27.88	-13.00	H
17979.00	-34.34	3.20	12.80	-24.74	-13.00	H

LTE Band 66, 1.4MHz, QPSK, Channel 132322

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
16944.00	-41.38	2.90	16.50	-27.78	-13.00	H
17298.00	-38.93	3.20	14.50	-27.63	-13.00	H
17457.00	-38.20	2.90	14.50	-26.60	-13.00	H
17613.00	-36.17	3.30	12.80	-26.67	-13.00	H
17839.50	-36.34	3.60	12.80	-27.14	-13.00	H
17994.00	-34.77	3.20	12.80	-25.17	-13.00	H

LTE Band 66, 1.4MHz, QPSK, Channel 132665

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
16945.50	-41.35	2.90	16.50	-27.75	-13.00	H
17299.50	-39.67	3.20	14.50	-28.37	-13.00	H
17466.00	-37.72	2.90	14.50	-26.12	-13.00	H
17592.00	-35.33	3.30	12.80	-25.83	-13.00	H
17839.50	-37.26	3.60	12.80	-28.06	-13.00	H
17955.00	-34.62	3.20	12.80	-25.02	-13.00	H

LTE Band 66, 1.4MHz, 16QAM, Channel 131979

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
16938.00	-41.14	2.90	16.50	-27.54	-13.00	H
17311.50	-39.82	3.20	14.50	-28.52	-13.00	H
17454.00	-38.41	2.90	14.50	-26.81	-13.00	H
17595.00	-36.33	3.30	12.80	-26.83	-13.00	H
17826.00	-37.00	3.60	12.80	-27.80	-13.00	H
17964.00	-33.86	3.20	12.80	-24.26	-13.00	H

LTE Band 66, 1.4MHz, 16QAM, Channel 132322

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
16966.50	-41.48	2.90	16.50	-27.88	-13.00	H
17289.00	-39.19	3.20	14.50	-27.89	-13.00	H
17455.50	-38.02	2.90	14.50	-26.42	-13.00	H
17620.50	-36.14	3.30	12.80	-26.64	-13.00	H
17779.50	-36.85	3.60	12.80	-27.65	-13.00	H
17940.00	-34.88	3.20	12.80	-25.28	-13.00	H

LTE Band 66, 1.4MHz, 16QAM, Channel 132665

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
16962.00	-41.83	2.90	16.50	-28.23	-13.00	H
17224.50	-39.91	3.20	14.50	-28.61	-13.00	H
17458.50	-38.25	2.90	14.50	-26.65	-13.00	H
17592.00	-36.15	3.30	12.80	-26.65	-13.00	H
17835.00	-37.33	3.60	12.80	-28.13	-13.00	H
17934.00	-34.20	3.20	12.80	-24.60	-13.00	H

LTE Band 66, 1.4MHz, 64QAM, Channel 131979

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
16962.00	-41.95	2.90	16.50	-28.35	-13.00	H
17367.00	-38.69	3.20	14.50	-27.39	-13.00	H
17523.00	-37.13	2.90	12.80	-27.23	-13.00	H
17559.00	-36.61	2.90	12.80	-26.71	-13.00	H
17836.50	-37.13	3.60	12.80	-27.93	-13.00	H
17983.50	-33.74	3.20	12.80	-24.14	-13.00	H

LTE Band 66, 1.4MHz, 64QAM, Channel 132322

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
16999.50	-41.43	2.90	16.50	-27.83	-13.00	H
17358.00	-39.44	3.20	14.50	-28.14	-13.00	H
17514.00	-37.12	2.90	12.80	-27.22	-13.00	H
17595.00	-36.05	3.30	12.80	-26.55	-13.00	H
17836.50	-36.69	3.60	12.80	-27.49	-13.00	H
17988.00	-34.25	3.20	12.80	-24.65	-13.00	H

LTE Band 66, 1.4MHz, 64QAM, Channel 132665

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
16960.50	-41.55	2.90	16.50	-27.95	-13.00	H
17368.50	-39.45	3.20	14.50	-28.15	-13.00	H
17521.50	-36.80	2.90	12.80	-26.90	-13.00	H
17598.00	-36.19	3.30	12.80	-26.69	-13.00	H
17836.50	-36.73	3.60	12.80	-27.53	-13.00	H
17995.50	-34.81	3.20	12.80	-25.21	-13.00	H

Note: The maximum value of expanded measurement uncertainty for this test item is $U = 2.72\text{dB}(30\text{MHz}-3\text{GHz})/3.60\text{dB}(3\text{GHz}-18\text{GHz})/3.58\text{dB}(18\text{GHz}-40\text{GHz})$, $k = 2$

LTE Band CA_7C, 20MHz+20MHz, QPSK, CH20850+CH21048

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
5986.40	-58.00	1.50	13.10	-46.40	-25.00	H
8744.35	-53.48	2.00	12.00	-43.48	-25.00	V
11175.35	-49.89	2.50	10.50	-41.89	-25.00	V
12549.92	-52.75	2.40	13.80	-41.35	-25.00	V
13904.62	-50.75	2.20	12.40	-40.55	-25.00	H
17037.50	-51.04	2.90	14.50	-39.44	-25.00	V

LTE Band CA_7C, 20MHz+20MHz, QPSK, CH21001+CH21199

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
8759.15	-53.82	1.90	12.00	-43.72	-25.00	V
11173.65	-49.28	2.50	10.50	-41.28	-25.00	V
12650.19	-51.70	2.60	13.80	-40.50	-25.00	H
14432.19	-49.37	2.60	11.90	-40.07	-25.00	V
15653.62	-51.22	2.70	15.60	-38.32	-25.00	V
16666.46	-51.93	2.60	16.50	-38.03	-25.00	H

LTE Band CA_7C, 20MHz+20MHz, QPSK, CH21152+CH21350

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
8765.92	-53.44	1.90	12.00	-43.34	-25.00	V
9927.27	-52.57	2.20	11.20	-43.57	-25.00	V
11191.85	-49.61	2.50	10.50	-41.61	-25.00	V
13479.42	-50.99	2.50	13.30	-40.19	-25.00	H
15663.35	-50.89	2.70	15.60	-37.99	-25.00	V
17073.04	-49.92	2.90	14.50	-38.32	-25.00	V

LTE Band CA_7C, 20MHz+20MHz, 16QAM, CH20850+CH21048

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
10009.77	-51.52	2.20	11.30	-42.42	-25.00	V
11685.15	-49.88	2.60	11.00	-41.48	-25.00	H
12822.38	-52.56	2.70	13.80	-41.46	-25.00	H
13969.77	-51.04	2.50	12.40	-41.14	-25.00	H
15664.19	-51.36	2.70	15.60	-38.46	-25.00	V
17041.31	-50.35	2.90	14.50	-38.75	-25.00	H

LTE Band CA_7C, 20MHz+20MHz, 16QAM, CH21001+CH21199

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
8781.15	-53.61	1.90	12.00	-43.51	-25.00	V
10283.08	-52.75	2.10	11.30	-43.55	-25.00	H
11138.96	-49.73	2.50	10.50	-41.73	-25.00	H
12781.35	-51.84	2.70	13.80	-40.74	-25.00	V
15670.12	-51.01	2.70	15.60	-38.11	-25.00	H
17700.46	-50.32	3.30	12.80	-40.82	-25.00	V

LTE Band CA_7C, 20MHz+20MHz, 16QAM, CH21152+CH21350

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
9686.12	-53.68	2.20	11.20	-44.68	-25.00	V
11195.65	-50.16	2.50	10.50	-42.16	-25.00	V
12539.35	-52.56	2.40	13.80	-41.16	-25.00	H
13939.31	-51.37	2.20	12.40	-41.17	-25.00	H
15671.81	-51.10	2.70	15.60	-38.20	-25.00	H
17489.35	-50.21	2.90	14.50	-38.61	-25.00	V

LTE Band CA_7C, 20MHz+20MHz, 64QAM, CH20850+CH21048

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
7606.27	-54.54	1.80	11.30	-45.04	-25.00	V
9126.38	-53.69	2.10	11.60	-44.19	-25.00	V
11126.27	-50.54	2.50	10.50	-42.54	-25.00	V
13057.19	-52.17	2.30	13.30	-41.17	-25.00	V
15612.58	-51.02	2.70	15.60	-38.12	-25.00	V
17080.23	-50.55	2.90	14.50	-38.95	-25.00	H

LTE Band CA_7C, 20MHz+20MHz, 64QAM, CH21001+CH21199

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
10011.88	-52.23	2.20	11.30	-43.13	-25.00	V
11144.88	-49.51	2.50	10.50	-41.51	-25.00	V
12427.65	-51.56	2.60	12.60	-41.56	-25.00	V
14108.96	-51.56	2.50	11.90	-42.16	-25.00	H
15651.92	-50.89	2.70	15.60	-37.99	-25.00	H
16661.81	-52.19	2.60	16.50	-38.29	-25.00	H

LTE Band CA_7C, 20MHz+20MHz, 64QAM, CH21152+CH21350

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
8799.35	-53.60	1.90	12.00	-43.50	-25.00	V
11169.00	-49.62	2.50	10.50	-41.62	-25.00	H
12919.69	-51.13	2.50	13.80	-39.83	-25.00	H
14116.15	-51.66	2.50	11.90	-42.26	-25.00	H
15626.54	-51.40	2.70	15.60	-38.50	-25.00	H
17486.38	-50.74	2.90	14.50	-39.14	-25.00	V

Note: The maximum value of expanded measurement uncertainty for this test item is $U = 2.72\text{dB}(30\text{MHz}-3\text{GHz})/3.60\text{dB}(3\text{GHz}-18\text{GHz})/3.58\text{dB}(18\text{GHz}-40\text{GHz})$, $k = 2$

LTE Band CA_41C, 20MHz+20MHz, QPSK, CH39750+CH39948

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
6187.85	-57.69	1.60	13.10	-46.19	-25.00	H
9530.31	-55.48	2.10	11.20	-46.38	-25.00	H
9988.15	-55.46	2.20	11.20	-46.46	-25.00	H
12294.00	-54.02	2.60	12.60	-44.02	-25.00	H
13371.69	-54.41	2.30	13.30	-43.41	-25.00	H
14869.85	-51.00	2.70	11.20	-42.50	-25.00	H

LTE Band CA_41C, 20MHz+20MHz, QPSK, CH40521+CH40719

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
11100.88	-50.55	2.30	10.50	-42.35	-25.00	H
11894.58	-51.58	2.50	11.00	-43.08	-25.00	H
13468.42	-51.85	2.50	13.30	-41.05	-25.00	H
14564.62	-49.06	2.60	11.20	-40.46	-25.00	H
15654.46	-50.85	2.70	15.60	-37.95	-25.00	H
16626.69	-51.35	2.60	16.50	-37.45	-25.00	H

LTE Band CA_41C, 20MHz+20MHz, QPSK, CH41292+CH41490

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
8751.54	-53.37	1.90	12.00	-43.27	-25.00	V
11193.54	-49.21	2.50	10.50	-41.21	-25.00	H
12186.50	-52.72	2.60	12.60	-42.72	-25.00	V
13891.50	-52.79	2.20	12.40	-42.59	-25.00	V
15646.85	-51.16	2.70	15.60	-38.26	-25.00	H
16667.73	-52.03	2.60	16.50	-38.13	-25.00	V

LTE Band CA_41C, 20MHz+20MHz, 16QAM, CH39750+CH39948

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
6663.23	-64.75	1.80	12.40	-54.15	-25.00	V
7973.54	-65.39	1.90	11.30	-55.99	-25.00	H
10490.77	-62.06	2.30	11.30	-53.06	-25.00	H
12557.54	-62.13	2.40	13.80	-50.73	-25.00	V
14974.15	-55.56	2.70	11.20	-47.06	-25.00	H
17899.38	-49.11	3.60	12.80	-39.91	-25.00	H

LTE Band CA_41C, 20MHz+20MHz, 16QAM, CH40521+CH40719

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
8408.85	-53.57	1.80	11.30	-44.07	-25.00	V
9940.81	-52.28	2.20	11.20	-43.28	-25.00	V
11108.50	-51.33	2.30	10.50	-43.13	-25.00	V
13000.92	-51.72	2.50	13.30	-40.92	-25.00	H
15694.65	-50.77	2.70	15.60	-37.87	-25.00	V
16669.85	-51.86	2.60	16.50	-37.96	-25.00	H

LTE Band CA_41C, 20MHz+20MHz, 16QAM, CH41292+CH41490

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
7975.19	-52.83	1.90	11.30	-43.43	-25.00	H
8753.23	-53.20	1.90	12.00	-43.10	-25.00	H
11161.81	-49.52	2.50	10.50	-41.52	-25.00	H
15658.27	-50.76	2.70	15.60	-37.86	-25.00	V
16690.58	-52.06	2.60	16.50	-38.16	-25.00	V
17503.73	-49.08	2.90	12.80	-39.18	-25.00	V

LTE Band CA_41C, 20MHz+20MHz, 64QAM, CH39750+CH39948

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
7671.23	-56.51	1.80	11.30	-47.01	-25.00	V
9528.92	-55.01	2.10	11.20	-45.91	-25.00	H
10605.23	-51.28	2.20	10.80	-42.68	-25.00	V
12909.23	-54.58	2.50	13.80	-43.28	-25.00	V
14841.69	-50.71	2.70	11.20	-42.21	-25.00	H
16918.15	-52.24	2.90	16.50	-38.64	-25.00	H

LTE Band CA_41C, 20MHz+20MHz, 64QAM, CH40521+CH40719

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
8747.73	-53.15	2.00	12.00	-43.15	-25.00	V
11136.85	-50.38	2.50	10.50	-42.38	-25.00	V
13937.19	-51.11	2.20	12.40	-40.91	-25.00	H
14652.62	-47.66	2.60	11.20	-39.06	-25.00	V
15686.19	-50.79	2.70	15.60	-37.89	-25.00	V
17031.58	-50.94	2.90	14.50	-39.34	-25.00	H

LTE Band CA_41C, 20MHz+20MHz, 64QAM, CH41292+CH41490

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
8749.42	-53.43	2.00	12.00	-43.43	-25.00	V
10355.42	-52.53	2.10	11.30	-43.33	-25.00	H
11199.46	-49.28	2.50	10.50	-41.28	-25.00	V
13947.35	-51.49	2.20	12.40	-41.29	-25.00	H
15652.35	-51.13	2.70	15.60	-38.23	-25.00	V
17082.35	-50.03	2.90	14.50	-38.43	-25.00	V

Note: The maximum value of expanded measurement uncertainty for this test item is $U = 2.72\text{dB}(30\text{MHz}-3\text{GHz})/3.60\text{dB}(3\text{GHz}-18\text{GHz})/3.58\text{dB}(18\text{GHz}-40\text{GHz})$, $k = 2$

Lower antenna
LTE Band 2, 1.4MHz, QPSK, Channel 18607

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
10714.80	-71.75	2.40	10.80	-63.35	-13.00	H
12015.94	-70.77	2.60	12.60	-60.77	-13.00	V
13439.64	-69.94	2.50	13.30	-59.14	-13.00	V
14828.21	-65.55	2.50	11.20	-56.85	-13.00	V
15873.48	-66.14	2.40	15.60	-52.94	-13.00	H
17505.05	-60.56	2.90	12.80	-50.66	-13.00	H

LTE Band 2, 1.4MHz, QPSK, Channel 18900

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
7505.23	-60.21	1.90	11.30	-50.81	-13.00	H
9385.79	-56.82	2.10	11.60	-47.32	-13.00	H
11265.50	-43.17	2.60	10.50	-35.27	-13.00	H
13146.06	-60.10	2.30	13.30	-49.10	-13.00	H
15026.20	-59.42	2.40	12.40	-49.42	-13.00	H
17889.05	-55.70	3.60	12.80	-46.50	-13.00	H

LTE Band 2, 1.4MHz, QPSK, Channel 19193

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
5976.04	-64.17	1.50	13.10	-52.57	-13.00	V
7623.51	-60.41	1.80	11.30	-50.91	-13.00	H
9532.36	-51.92	2.10	11.20	-42.82	-13.00	H
11442.06	-45.98	2.50	10.50	-37.98	-13.00	H
14883.91	-57.68	2.70	11.20	-49.18	-13.00	V
17910.90	-54.19	3.60	12.80	-44.99	-13.00	H

LTE Band 2, 1.4MHz, 16QAM, Channel 18607

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
7423.53	-63.43	1.90	12.00	-53.33	-13.00	H
9272.58	-62.58	2.10	11.60	-53.08	-13.00	H
11120.78	-44.52	2.50	10.50	-36.52	-13.00	H
12969.83	-63.01	2.50	13.80	-51.71	-13.00	H
14961.16	-59.56	2.70	11.20	-51.06	-13.00	H
17937.36	-57.15	3.20	12.80	-47.55	-13.00	H

LTE Band 2, 1.4MHz, 16QAM, Channel 18900

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
7529.89	-61.17	1.90	11.30	-51.77	-13.00	H
9408.51	-54.99	2.10	11.60	-45.49	-13.00	H
11285.85	-43.63	2.60	10.50	-35.73	-13.00	V
13164.04	-61.22	2.40	13.30	-50.32	-13.00	H
15183.67	-61.76	2.50	12.40	-51.86	-13.00	H
17898.43	-56.55	3.60	12.80	-47.35	-13.00	H

LTE Band 2, 1.4MHz, 16QAM, Channel 19193

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
7636.68	-62.40	1.80	11.30	-52.90	-13.00	V
8282.73	-64.84	1.90	11.30	-55.44	-13.00	V
9542.50	-54.22	2.10	11.20	-45.12	-13.00	V
11449.83	-48.08	2.60	10.50	-40.18	-13.00	V
14855.03	-59.21	2.70	11.20	-50.71	-13.00	V
17914.36	-56.80	3.20	12.80	-47.20	-13.00	V

LTE Band 2, 1.4MHz, 64QAM, Channel 18607

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
5839.39	-65.83	1.40	13.10	-54.13	-13.00	V
7428.29	-63.55	1.90	12.00	-53.45	-13.00	H
9273.58	-60.55	2.10	11.60	-51.05	-13.00	H
11118.88	-45.98	2.50	10.50	-37.98	-13.00	H
14941.17	-59.27	2.70	11.20	-50.77	-13.00	H
17904.60	-55.96	3.60	12.80	-46.76	-13.00	H

LTE Band 2, 1.4MHz, 64QAM, Channel 18900

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
7516.19	-56.86	1.90	11.30	-47.46	-13.00	H
9391.05	-55.06	2.10	11.60	-45.56	-13.00	H
11265.92	-42.80	2.60	10.50	-34.90	-13.00	H
13140.78	-62.07	2.30	13.30	-51.07	-13.00	H
15015.22	-59.29	2.40	12.40	-49.29	-13.00	H
17894.23	-54.59	3.60	12.80	-45.39	-13.00	H

LTE Band 2, 1.4MHz, 64QAM, Channel 19193

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
7599.24	-59.16	1.80	11.30	-49.66	-13.00	H
9503.68	-54.37	2.10	11.20	-45.27	-13.00	H
11407.68	-48.05	2.50	10.50	-40.05	-13.00	H
13311.69	-60.61	2.30	13.30	-49.61	-13.00	H
15215.27	-58.81	2.50	12.40	-48.91	-13.00	H
17860.28	-54.58	3.60	12.80	-45.38	-13.00	H

Note: The maximum value of expanded measurement uncertainty for this test item is $U = 2.72\text{dB}(30\text{MHz}-3\text{GHz})/3.60\text{dB}(3\text{GHz}-18\text{GHz})/3.58\text{dB}(18\text{GHz}-40\text{GHz})$, $k = 2$

LTE Band 7, 5 MHz, QPSK, Channel 20775

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
4839.75	-56.30	1.30	12.50	-45.10	-25.00	V
5979.75	-55.46	1.50	13.10	-43.86	-25.00	V
10001.08	-51.63	2.20	11.30	-42.53	-25.00	H
12475.85	-54.46	2.60	12.60	-44.46	-25.00	H
14936.31	-50.57	2.70	11.20	-42.07	-25.00	H
17896.62	-48.57	3.60	12.80	-39.37	-25.00	H

LTE Band 7, 5 MHz, QPSK, Channel 21100

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
5961.38	-55.28	1.50	13.10	-43.68	-25.00	V
10135.38	-52.78	2.00	11.30	-43.48	-25.00	V
12554.77	-55.31	2.40	13.80	-43.91	-25.00	V
13416.46	-54.25	2.30	13.30	-43.25	-25.00	H
14878.62	-50.65	2.70	11.20	-42.15	-25.00	H
17948.31	-48.71	3.20	12.80	-39.11	-25.00	H

LTE Band 7, 5 MHz, QPSK, Channel 21425

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
4881.00	-56.46	1.40	12.50	-45.36	-25.00	V
5844.75	-55.80	1.40	13.10	-44.10	-25.00	V
10261.38	-48.67	2.10	11.30	-39.47	-25.00	H
12450.46	-53.86	2.60	12.60	-43.86	-25.00	V
14842.15	-50.85	2.70	11.20	-42.35	-25.00	H
17912.31	-47.87	3.60	12.80	-38.67	-25.00	H

LTE Band 7, 5 MHz, 16QAM, Channel 20775

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
10001.08	-51.77	2.20	11.30	-42.67	-25.00	V
12431.08	-53.89	2.60	12.60	-43.89	-25.00	V
12929.54	-54.78	2.50	13.80	-43.48	-25.00	V
14841.23	-51.32	2.70	11.20	-42.82	-25.00	V
17607.23	-49.20	3.30	12.80	-39.70	-25.00	V
17933.08	-49.07	3.20	12.80	-39.47	-25.00	V

LTE Band 7, 5 MHz, 16QAM, Channel 21100

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
5794.50	-55.18	1.50	13.10	-43.58	-25.00	V
10131.69	-53.56	2.00	11.30	-44.26	-25.00	V
12493.85	-54.20	2.60	12.60	-44.20	-25.00	V
13391.54	-54.49	2.30	13.30	-43.49	-25.00	H
14870.31	-50.66	2.70	11.20	-42.16	-25.00	V
16681.38	-53.13	2.60	16.50	-39.23	-25.00	H

LTE Band 7, 5 MHz, 16QAM, Channel 21425

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
4800.75	-56.31	1.30	12.50	-45.11	-25.00	V
5991.38	-55.85	1.50	13.10	-44.25	-25.00	V
10261.38	-42.48	2.10	11.30	-33.28	-25.00	V
12431.54	-53.66	2.60	12.60	-43.66	-25.00	V
14942.31	-50.81	2.70	11.20	-42.31	-25.00	H
17915.08	-48.98	3.20	12.80	-39.38	-25.00	H

LTE Band 7, 5 MHz, 64QAM, Channel 20775

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
4509.13	-56.55	1.20	12.50	-45.25	-25.00	H
5949.13	-55.47	1.50	13.10	-43.87	-25.00	H
9961.55	-45.24	2.20	11.20	-36.24	-25.00	V
12442.87	-53.90	2.60	12.60	-43.90	-25.00	V
14878.96	-51.34	2.70	11.20	-42.84	-25.00	V
17930.75	-48.65	3.20	12.80	-39.05	-25.00	V

LTE Band 7, 5 MHz, 64QAM, Channel 21100

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
5969.04	-55.20	1.50	13.10	-43.60	-25.00	V
10125.02	-44.05	2.00	11.30	-34.75	-25.00	V
11648.19	-51.40	2.60	11.00	-43.00	-25.00	V
12883.82	-53.85	2.70	13.80	-42.75	-25.00	H
16872.53	-52.16	2.90	16.50	-38.56	-25.00	H
17941.54	-47.21	3.20	12.80	-37.61	-25.00	H

LTE Band 7, 5 MHz, 64QAM, Channel 21425

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
4597.32	-55.42	1.30	12.50	-44.22	-25.00	V
6006.20	-54.24	1.50	13.10	-42.64	-25.00	H
10300.21	-41.90	2.10	11.30	-32.70	-25.00	V
12276.15	-52.35	2.60	12.60	-42.35	-25.00	H
14922.24	-49.22	2.70	11.20	-40.72	-25.00	H
16666.49	-51.73	2.60	16.50	-37.83	-25.00	H

Note: The maximum value of expanded measurement uncertainty for this test item is $U = 2.72\text{dB}(30\text{MHz}-3\text{GHz})/3.60\text{dB}(3\text{GHz}-18\text{GHz})/3.58\text{dB}(18\text{GHz}-40\text{GHz})$, $k = 2$

LTE Band 12, 1.4MHz, QPSK, Channel 23017

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2980.29	-49.94	1.00	10.70	-42.39	-13.00	H
5997.00	-55.69	1.50	13.10	-46.24	-13.00	V
6631.86	-59.26	1.80	12.40	-50.81	-13.00	H
7452.57	-59.60	1.90	12.00	-51.65	-13.00	H
8490.00	-58.50	1.80	11.30	-51.15	-13.00	H
9749.00	-58.86	2.20	11.20	-52.01	-13.00	H

LTE Band 12, 1.4MHz, QPSK, Channel 23095

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2990.03	-49.95	1.00	10.70	-42.40	-13.00	H
5997.75	-55.77	1.50	13.10	-46.32	-13.00	V
6756.57	-59.43	1.60	12.40	-50.78	-13.00	H
7582.14	-57.93	1.80	11.30	-50.58	-13.00	H
8916.00	-57.57	1.90	12.00	-49.62	-13.00	V
9933.86	-59.79	2.20	11.20	-52.94	-13.00	H

LTE Band 12, 1.4MHz, QPSK, Channel 23173

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2989.55	-50.54	1.00	10.70	-42.99	-13.00	H
5958.75	-55.28	1.50	13.10	-45.83	-13.00	V
6486.57	-59.28	1.60	13.10	-49.93	-13.00	V
7142.14	-59.95	1.90	12.00	-52.00	-13.00	H
7910.86	-56.94	1.70	11.30	-49.49	-13.00	H
9560.14	-57.85	2.10	11.20	-50.90	-13.00	V

LTE Band 12, 1.4MHz, 16QAM, Channel 23017

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2997.15	-49.79	1.00	10.70	-42.24	-13.00	H
5988.75	-56.18	1.50	13.10	-46.73	-13.00	H
7275.71	-59.53	1.90	12.00	-51.58	-13.00	H
8172.29	-58.49	2.20	11.30	-51.54	-13.00	H
8856.14	-57.88	1.90	12.00	-49.93	-13.00	H
9697.43	-58.54	2.20	11.20	-51.69	-13.00	H

LTE Band 12, 1.4MHz 16QAM, Channel 23095

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2990.26	-49.75	1.00	10.70	-42.20	-13.00	H
5865.00	-56.09	1.40	13.10	-46.54	-13.00	V
6651.29	-59.17	1.80	12.40	-50.72	-13.00	V
7533.43	-58.39	1.90	11.30	-51.14	-13.00	V
8219.43	-57.37	2.20	11.30	-50.42	-13.00	V
9504.86	-57.03	2.10	11.20	-50.08	-13.00	V

LTE Band 12, 1.4MHz, 16QAM, Channel 23173

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2960.34	-50.47	1.00	10.70	-42.92	-13.00	V
5903.63	-56.68	1.50	13.10	-47.23	-13.00	V
6545.57	-59.38	1.70	12.40	-50.83	-13.00	V
7608.00	-57.58	1.80	11.30	-50.23	-13.00	V
8240.43	-56.99	2.20	11.30	-50.04	-13.00	V
9314.43	-59.01	2.00	11.60	-51.56	-13.00	H

LTE Band 12, 1.4MHz, 64QAM, Channel 23017

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2939.68	-50.34	1.00	10.70	-42.79	-13.00	H
5987.25	-56.76	1.50	13.10	-47.31	-13.00	H
6670.14	-58.28	1.80	12.40	-49.83	-13.00	V
7686.57	-58.59	1.80	11.30	-51.24	-13.00	H
8504.86	-58.51	2.10	12.00	-50.76	-13.00	H
9586.00	-57.99	2.10	11.20	-51.04	-13.00	H

LTE Band 12, 1.4MHz 64QAM, Channel 23095

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2987.41	-50.29	1.00	10.70	-42.74	-13.00	V
5980.13	-56.63	1.50	13.10	-47.18	-13.00	V
7020.00	-58.64	1.80	12.00	-50.59	-13.00	V
8222.86	-57.09	2.20	11.30	-50.14	-13.00	H
8877.00	-58.43	1.90	12.00	-50.48	-13.00	H
9711.71	-58.28	2.20	11.20	-51.43	-13.00	H

LTE Band 12, 1.4MHz, 64QAM, Channel 23173

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2989.79	-49.82	1.00	10.70	-42.27	-13.00	H
5983.13	-56.37	1.50	13.10	-46.92	-13.00	V
6395.57	-59.70	1.60	13.10	-50.35	-13.00	V
7025.43	-58.99	1.80	12.00	-50.94	-13.00	V
8235.86	-57.68	2.20	11.30	-50.73	-13.00	V
9566.71	-57.85	2.10	11.20	-50.90	-13.00	V

Note: The maximum value of expanded measurement uncertainty for this test item is $U = 2.72\text{dB}(30\text{MHz}-3\text{GHz})/3.60\text{dB}(3\text{GHz}-18\text{GHz})/3.58\text{dB}(18\text{GHz}-40\text{GHz})$, $k = 2$

LTE Band 26(814MHz-824MHz), 1.4MHz, QPSK, Channel 26783

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
7087.50	-49.04	1.80	12.00	-40.99	-13.00	H
9099.00	-47.51	2.20	11.60	-40.26	-13.00	H
9221.50	-46.95	2.10	11.60	-39.60	-13.00	H
9474.00	-47.27	2.10	11.60	-39.92	-13.00	V
9749.50	-46.89	2.20	11.20	-40.04	-13.00	H
9790.00	-46.60	2.30	11.20	-39.85	-13.00	H

LTE Band 26(814MHz-824MHz), 1.4MHz, QPSK, Channel 26740

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
1420.50	-41.76	0.70	6.00	-38.61	-13.00	V
9086.00	-47.64	2.20	11.60	-40.39	-13.00	H
9224.00	-46.72	2.10	11.60	-39.37	-13.00	H
9477.00	-47.23	2.10	11.60	-39.88	-13.00	V
9751.50	-47.86	2.20	11.20	-41.01	-13.00	H
9805.50	-47.71	2.30	11.20	-40.96	-13.00	H

LTE Band 26(814MHz-824MHz), 1.4MHz, QPSK, Channel 26697

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
1423.50	-43.67	0.70	6.00	-40.52	-13.00	V
8437.50	-48.25	1.80	11.30	-40.90	-13.00	H
9102.00	-47.62	2.20	11.60	-40.37	-13.00	H
9222.50	-46.39	2.10	11.60	-39.04	-13.00	H
9474.00	-47.05	2.10	11.60	-39.70	-13.00	V
9750.50	-46.93	2.20	11.20	-40.08	-13.00	H

LTE Band 26(814MHz-824MHz), 1.4MHz, 16QAM, Channel 26783

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
8377.00	-48.26	1.80	11.30	-40.91	-13.00	H
9106.50	-47.80	2.10	11.60	-40.45	-13.00	H
9226.00	-46.88	2.10	11.60	-39.53	-13.00	H
9471.50	-47.46	2.10	11.60	-40.11	-13.00	V
9739.00	-47.48	2.20	11.20	-40.63	-13.00	H
9804.50	-47.68	2.30	11.20	-40.93	-13.00	H

LTE Band 26(814MHz-824MHz), 1.4MHz, 16QAM, Channel 26740

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
1440.00	-42.66	0.70	6.00	-39.51	-13.00	V
8443.00	-47.94	1.80	11.30	-40.59	-13.00	H
9297.50	-46.54	2.00	11.60	-39.09	-13.00	H
9473.50	-46.88	2.10	11.60	-39.53	-13.00	V
9746.50	-47.13	2.20	11.20	-40.28	-13.00	H
9783.00	-47.46	2.30	11.20	-40.71	-13.00	H

LTE Band 26(814MHz-824MHz), 1.4MHz, 16QAM, Channel 26697

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
1425.50	-42.89	0.70	6.00	-39.74	-13.00	V
8426.50	-47.92	1.80	11.30	-40.57	-13.00	H
8756.50	-48.86	1.90	12.00	-40.91	-13.00	H
9104.50	-47.78	2.20	11.60	-40.53	-13.00	H
9220.50	-46.21	2.10	11.60	-38.86	-13.00	H
9473.50	-47.38	2.10	11.60	-40.03	-13.00	V

LTE Band 26(814MHz-824MHz), 1.4MHz, 64QAM, Channel 26783

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
8738.00	-48.84	2.00	12.00	-40.99	-13.00	V
9100.50	-47.93	2.20	11.60	-40.68	-13.00	H
9227.00	-46.98	2.10	11.60	-39.63	-13.00	H
9469.50	-47.26	2.10	11.60	-39.91	-13.00	V
9729.50	-47.56	2.20	11.20	-40.71	-13.00	H
9863.00	-46.98	2.20	11.20	-40.13	-13.00	H

LTE Band 26(814MHz-824MHz), 1.4MHz, 64QAM, Channel 26740

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
1420.00	-41.66	0.70	6.00	-38.51	-13.00	V
9101.50	-47.71	2.20	11.60	-40.46	-13.00	H
9217.00	-46.80	2.10	11.60	-39.45	-13.00	H
9472.00	-47.34	2.10	11.60	-39.99	-13.00	V
9710.00	-47.44	2.20	11.20	-40.59	-13.00	H
9793.00	-47.61	2.30	11.20	-40.86	-13.00	H

LTE Band 26(814MHz-824MHz), 1.4MHz, 64QAM, Channel 26697

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
1436.00	-43.42	0.70	6.00	-40.27	-13.00	V
9100.00	-48.03	2.20	11.60	-40.78	-13.00	H
9225.50	-46.47	2.10	11.60	-39.12	-13.00	H
9475.00	-46.89	2.10	11.60	-39.54	-13.00	V
9742.00	-47.24	2.20	11.20	-40.39	-13.00	H
9799.50	-47.04	2.30	11.20	-40.29	-13.00	H

Note: The maximum value of expanded measurement uncertainty for this test item is $U = 2.72\text{dB}(30\text{MHz}-3\text{GHz})/3.60\text{dB}(3\text{GHz}-18\text{GHz})/3.58\text{dB}(18\text{GHz}-40\text{GHz})$, $k = 2$

LTE band 26(824MHz-849MHz), 1.4MHz, QPSK, Channel 27033

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1981.38	-47.31	0.80	8.10	-42.16	-13.00	H
2166.08	-47.96	0.90	9.80	-41.21	-13.00	V
2927.00	-51.30	1.00	10.70	-43.75	-13.00	V
3196.02	-54.66	1.10	11.50	-46.41	-13.00	V
4770.78	-54.25	1.30	12.50	-45.20	-13.00	H
6240.60	-51.67	1.60	13.10	-42.32	-13.00	H

LTE band 26(824MHz-849MHz), 1.4MHz, QPSK, Channel 26915

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
7371.00	-48.84	1.70	12.00	-40.69	-13.00	H
9100.00	-48.30	2.20	11.60	-41.05	-13.00	H
9224.50	-46.32	2.10	11.60	-38.97	-13.00	H
9474.50	-47.23	2.10	11.60	-39.88	-13.00	V
9727.50	-47.33	2.20	11.20	-40.48	-13.00	H
9812.50	-47.67	2.30	11.20	-40.92	-13.00	H

LTE band 26(824MHz-849MHz), 1.4MHz, QPSK, Channel 26797

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
8379.50	-48.17	1.80	11.30	-40.82	-13.00	H
9100.00	-47.86	2.20	11.60	-40.61	-13.00	H
9300.00	-46.10	2.00	11.60	-38.65	-13.00	H
9475.00	-47.10	2.10	11.60	-39.75	-13.00	V
9722.00	-47.81	2.20	11.20	-40.96	-13.00	H
9802.50	-47.26	2.30	11.20	-40.51	-13.00	H

LTE band 26(824MHz-849MHz), 1.4MHz, 16QAM, Channel 27033

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
8803.50	-49.02	1.90	12.00	-41.07	-13.00	V
9100.00	-47.45	2.20	11.60	-40.20	-13.00	H
9227.50	-46.41	2.10	11.60	-39.06	-13.00	H
9477.50	-47.68	2.10	11.60	-40.33	-13.00	V
9726.00	-47.27	2.20	11.20	-40.42	-13.00	H
9782.00	-46.87	2.30	11.20	-40.12	-13.00	H

LTE band 26(824MHz-849MHz), 1.4MHz, 16QAM, Channel 26915

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
8434.50	-48.07	1.80	11.30	-40.72	-13.00	H
9098.00	-47.85	2.20	11.60	-40.60	-13.00	H
9152.50	-46.97	2.10	11.60	-39.62	-13.00	H
9341.00	-47.57	2.00	11.60	-40.12	-13.00	V
9751.00	-47.58	2.20	11.20	-40.73	-13.00	H
9796.00	-47.58	2.30	11.20	-40.83	-13.00	H

LTE band 26(824MHz-849MHz), 1.4MHz, 16QAM, Channel 26797

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
7188.00	-48.77	1.80	12.00	-40.72	-13.00	H
8471.00	-47.61	1.80	11.30	-40.26	-13.00	H
9099.00	-47.81	2.20	11.60	-40.56	-13.00	H
9219.50	-46.64	2.10	11.60	-39.29	-13.00	H
9470.00	-46.08	2.10	11.60	-38.73	-13.00	V
9750.00	-47.63	2.20	11.20	-40.78	-13.00	H

LTE band 26(824MHz-849MHz), 1.4MHz, 64QAM, Channel 27033

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
8410.50	-48.35	1.80	11.30	-41.00	-13.00	H
9102.00	-47.71	2.20	11.60	-40.46	-13.00	H
9301.50	-47.03	2.00	11.60	-39.58	-13.00	H
9421.50	-47.16	2.10	11.60	-39.81	-13.00	H
9752.00	-47.69	2.20	11.20	-40.84	-13.00	H
9792.50	-47.71	2.30	11.20	-40.96	-13.00	H

LTE band 26(824MHz-849MHz), 1.4MHz, 64QAM, Channel 26915

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
7326.50	-48.84	1.70	12.00	-40.69	-13.00	H
9102.00	-47.46	2.20	11.60	-40.21	-13.00	H
9299.50	-46.78	2.00	11.60	-39.33	-13.00	H
9476.00	-46.48	2.10	11.60	-39.13	-13.00	V
9742.50	-47.08	2.20	11.20	-40.23	-13.00	H
9800.00	-47.42	2.30	11.20	-40.67	-13.00	H

LTE band 26(824MHz-849MHz), 1.4MHz, 64QAM, Channel 26797

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
8478.50	-47.90	1.80	11.30	-40.55	-13.00	H
9099.00	-47.09	2.20	11.60	-39.84	-13.00	H
9304.50	-47.28	2.00	11.60	-39.83	-13.00	H
9474.00	-46.53	2.10	11.60	-39.18	-13.00	V
9733.00	-47.51	2.20	11.20	-40.66	-13.00	H
9788.50	-47.28	2.30	11.20	-40.53	-13.00	H

Note: The maximum value of expanded measurement uncertainty for this test item is $U = 2.72\text{dB}(30\text{MHz}-3\text{GHz})/3.60\text{dB}(3\text{GHz}-18\text{GHz})/3.58\text{dB}(18\text{GHz}-40\text{GHz})$, $k = 2$

LTE Band 41, 5MHz, QPSK, Channel 40165

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
4884.38	-56.26	1.40	12.50	-45.16	-25.00	V
5975.25	-54.76	1.50	13.10	-43.16	-25.00	V
12553.85	-54.57	2.40	13.80	-43.17	-25.00	H
12846.46	-53.82	2.70	13.80	-42.72	-25.00	V
14950.15	-50.88	2.70	11.20	-42.38	-25.00	V
17922.00	-47.89	3.20	12.80	-38.29	-25.00	H

LTE Band 41, 5MHz, QPSK, Channel 40690

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
4191.00	-56.60	1.20	12.40	-45.40	-25.00	V
4759.50	-55.89	1.30	12.50	-44.69	-25.00	H
5994.38	-54.82	1.50	13.10	-43.22	-25.00	H
12300.92	-54.35	2.60	12.60	-44.35	-25.00	H
14863.85	-50.85	2.70	11.20	-42.35	-25.00	H
17931.23	-48.45	3.20	12.80	-38.85	-25.00	H

LTE Band 41, 5MHz, QPSK, Channel 41215

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
5120.63	-56.11	1.30	12.50	-44.91	-25.00	V
5983.13	-54.93	1.50	13.10	-43.33	-25.00	V
12426.92	-53.78	2.60	12.60	-43.78	-25.00	V
13373.54	-54.19	2.30	13.30	-43.19	-25.00	V
14872.15	-50.19	2.70	11.20	-41.69	-25.00	V
17067.69	-50.84	2.90	14.50	-39.24	-25.00	V

LTE Band 41, 5MHz, 16QAM, Channel 40165

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
4262.63	-57.14	1.20	12.40	-45.94	-25.00	V
5057.63	-56.17	1.30	12.50	-44.97	-25.00	V
5912.25	-54.84	1.50	13.10	-43.24	-25.00	V
12467.08	-54.27	2.60	12.60	-44.27	-25.00	H
14873.54	-50.91	2.70	11.20	-42.41	-25.00	H
17900.31	-47.72	3.60	12.80	-38.52	-25.00	H

LTE Band 41, 5MHz, 16QAM, Channel 40690

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
4643.63	-56.19	1.30	12.50	-44.99	-25.00	V
5535.75	-54.83	1.40	13.10	-43.13	-25.00	V
5985.75	-55.00	1.50	13.10	-43.40	-25.00	V
12549.23	-54.43	2.40	13.80	-43.03	-25.00	V
12549.23	-54.43	2.40	13.80	-43.03	-25.00	V
17036.77	-50.94	2.90	14.50	-39.34	-25.00	H

LTE Band 41, 5MHz, 16QAM, Channel 41215

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
4576.13	-55.98	1.30	12.50	-44.78	-25.00	H
5968.13	-55.20	1.50	13.10	-43.60	-25.00	V
12537.23	-55.35	2.40	13.80	-43.95	-25.00	H
12842.31	-54.12	2.70	13.80	-43.02	-25.00	H
14857.85	-50.38	2.70	11.20	-41.88	-25.00	H
17912.31	-47.47	3.60	12.80	-38.27	-25.00	H

LTE Band 41, 5MHz, 64QAM, Channel 40165

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
4657.13	-56.32	1.30	12.50	-45.12	-25.00	V
5751.75	-55.42	1.50	13.10	-43.82	-25.00	H
11555.54	-52.10	2.60	11.00	-43.70	-25.00	V
12809.08	-54.63	2.70	13.80	-43.53	-25.00	V
14874.00	-50.50	2.70	11.20	-42.00	-25.00	V
17884.15	-48.62	3.60	12.80	-39.42	-25.00	V

LTE Band 41, 5MHz, 64QAM, Channel 40690

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
4767.00	-56.08	1.30	12.50	-44.88	-25.00	V
5582.63	-55.29	1.40	13.10	-43.59	-25.00	V
10502.77	-53.76	2.30	10.80	-45.26	-25.00	H
12474.92	-54.21	2.60	12.60	-44.21	-25.00	H
14826.92	-50.93	2.50	11.20	-42.23	-25.00	H
17904.00	-48.24	3.60	12.80	-39.04	-25.00	H

LTE Band 41, 5MHz, 64QAM, Channel 41215

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
3791.63	-56.65	1.10	12.20	-45.55	-25.00	H
4819.13	-56.06	1.30	12.50	-44.86	-25.00	V
5982.38	-54.95	1.50	13.10	-43.35	-25.00	V
12189.69	-53.18	2.60	12.60	-43.18	-25.00	V
14862.92	-50.45	2.70	11.20	-41.95	-25.00	V
17918.77	-48.60	3.20	12.80	-39.00	-25.00	H

Note: The maximum value of expanded measurement uncertainty for this test item is $U = 2.72\text{dB}(30\text{MHz}-3\text{GHz})/3.60\text{dB}(3\text{GHz}-18\text{GHz})/3.58\text{dB}(18\text{GHz}-40\text{GHz})$, $k = 2$

LTE Band 66, 1.4MHz QPSK, Channel 131979

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
16954.50	-41.33	2.90	16.50	-27.73	-13.00	H
17368.50	-39.42	3.20	14.50	-28.12	-13.00	H
17505.00	-36.42	2.90	12.80	-26.52	-13.00	H
17605.50	-36.25	3.30	12.80	-26.75	-13.00	H
17835.00	-36.77	3.60	12.80	-27.57	-13.00	H
17934.00	-34.14	3.20	12.80	-24.54	-13.00	H

LTE Band 66, 1.4MHz, QPSK, Channel 132322

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
16960.50	-40.94	2.90	16.50	-27.34	-13.00	H
17280.00	-39.81	3.20	14.50	-28.51	-13.00	H
17425.50	-38.62	2.90	14.50	-27.02	-13.00	H
17598.00	-36.31	3.30	12.80	-26.81	-13.00	H
17836.50	-37.22	3.60	12.80	-28.02	-13.00	H
17967.00	-34.90	3.20	12.80	-25.30	-13.00	H

LTE Band 66, 1.4MHz, QPSK, Channel 132665

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
16936.50	-40.91	2.90	16.50	-27.31	-13.00	H
17301.00	-39.41	3.20	14.50	-28.11	-13.00	H
17509.50	-37.01	2.90	12.80	-27.11	-13.00	H
17554.50	-36.80	2.90	12.80	-26.90	-13.00	H
17835.00	-36.87	3.60	12.80	-27.67	-13.00	H
17986.50	-33.83	3.20	12.80	-24.23	-13.00	H

LTE Band 66, 1.4MHz, 16QAM, Channel 131979

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
16966.50	-41.24	2.90	16.50	-27.64	-13.00	H
17235.00	-39.48	3.20	14.50	-28.18	-13.00	H
17457.00	-38.45	2.90	14.50	-26.85	-13.00	H
17617.50	-36.19	3.30	12.80	-26.69	-13.00	H
17835.00	-35.99	3.60	12.80	-26.79	-13.00	H
17986.50	-34.21	3.20	12.80	-24.61	-13.00	H

LTE Band 66, 1.4MHz, 16QAM, Channel 132322

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
16950.00	-41.41	2.90	16.50	-27.81	-13.00	H
17368.50	-39.81	3.20	14.50	-28.51	-13.00	H
17523.00	-35.93	2.90	12.80	-26.03	-13.00	H
17551.50	-37.28	2.90	12.80	-27.38	-13.00	H
17808.00	-37.01	3.60	12.80	-27.81	-13.00	H
17935.50	-34.11	3.20	12.80	-24.51	-13.00	H

LTE Band 66, 1.4MHz, 16QAM, Channel 132665

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
16974.00	-41.63	2.90	16.50	-28.03	-13.00	H
17170.50	-39.62	2.90	14.50	-28.02	-13.00	H
17520.00	-37.03	2.90	12.80	-27.13	-13.00	H
17572.50	-36.00	3.30	12.80	-26.50	-13.00	H
17832.00	-36.36	3.60	12.80	-27.16	-13.00	H
17995.50	-34.27	3.20	12.80	-24.67	-13.00	H

LTE Band 66, 1.4MHz, 64QAM, Channel 131979

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
16998.00	-41.35	2.90	16.50	-27.75	-13.00	H
17292.00	-39.20	3.20	14.50	-27.90	-13.00	H
17434.50	-38.65	2.90	14.50	-27.05	-13.00	H
17593.50	-36.05	3.30	12.80	-26.55	-13.00	H
17821.50	-36.50	3.60	12.80	-27.30	-13.00	H
17994.00	-34.47	3.20	12.80	-24.87	-13.00	H

LTE Band 66, 1.4MHz, 64QAM, Channel 132322

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
16956.00	-41.52	2.90	16.50	-27.92	-13.00	H
17299.50	-40.03	3.20	14.50	-28.73	-13.00	H
17487.00	-38.54	2.90	14.50	-26.94	-13.00	H
17571.00	-36.65	3.30	12.80	-27.15	-13.00	H
17821.50	-37.11	3.60	12.80	-27.91	-13.00	H
17986.50	-34.13	3.20	12.80	-24.53	-13.00	H

LTE Band 66, 1.4MHz, 64QAM, Channel 132665

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
16942.50	-41.52	2.90	16.50	-27.92	-13.00	H
17271.00	-39.30	3.20	14.50	-28.00	-13.00	H
17509.50	-36.92	2.90	12.80	-27.02	-13.00	H
17598.00	-36.29	3.30	12.80	-26.79	-13.00	H
17835.00	-35.86	3.60	12.80	-26.66	-13.00	H
17962.50	-34.13	3.20	12.80	-24.53	-13.00	H

Note: The maximum value of expanded measurement uncertainty for this test item is $U = 2.72\text{dB}(30\text{MHz}-3\text{GHz})/3.60\text{dB}(3\text{GHz}-18\text{GHz})/3.58\text{dB}(18\text{GHz}-40\text{GHz})$, $k = 2$

LTE Band CA_7C, 20MHz+20MHz, QPSK, CH20850+CH21048

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
6647.08	-65.14	1.80	12.40	-54.54	-25.00	V
7563.69	-65.90	1.80	11.30	-56.40	-25.00	V
10497.23	-62.99	2.30	11.30	-53.99	-25.00	V
12538.62	-62.14	2.40	13.80	-50.74	-25.00	V
14934.00	-56.44	2.70	11.20	-47.94	-25.00	H
17904.00	-49.50	3.60	12.80	-40.30	-25.00	H

LTE Band CA_7C, 20MHz+20MHz, QPSK, CH21001+CH21199

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
6177.69	-55.13	1.60	13.10	-43.63	-25.00	V
8219.08	-55.59	2.20	11.30	-46.49	-25.00	V
10455.23	-53.58	2.30	11.30	-44.58	-25.00	H
12264.00	-53.86	2.60	12.60	-43.86	-25.00	V
14844.46	-49.89	2.70	11.20	-41.39	-25.00	V
17913.69	-47.56	3.60	12.80	-38.36	-25.00	H

LTE Band CA_7C, 20MHz+20MHz, QPSK, CH21152+CH21350

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
6167.54	-57.82	1.60	13.10	-46.32	-25.00	V
7647.23	-56.25	1.80	11.30	-46.75	-25.00	V
10499.08	-54.57	2.30	11.30	-45.57	-25.00	V
12445.85	-53.90	2.60	12.60	-43.90	-25.00	V
14866.15	-50.26	2.70	11.20	-41.76	-25.00	H
16986.46	-51.42	2.90	16.50	-37.82	-25.00	H

LTE Band CA_7C, 20MHz+20MHz, 16QAM, CH20850+CH21048

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
7631.08	-56.10	1.80	11.30	-46.60	-25.00	H
9498.00	-55.82	2.10	11.60	-46.32	-25.00	H
10505.08	-53.70	2.30	10.80	-45.20	-25.00	H
12474.00	-53.96	2.60	12.60	-43.96	-25.00	H
14891.54	-50.68	2.70	11.20	-42.18	-25.00	H
17932.62	-47.51	3.20	12.80	-37.91	-25.00	H

LTE Band CA_7C, 20MHz+20MHz, 16QAM, CH21001+CH21199

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
6552.92	-57.18	1.70	12.40	-46.48	-25.00	H
7922.77	-55.76	1.90	11.30	-46.36	-25.00	H
10499.08	-54.59	2.30	11.30	-45.59	-25.00	H
12143.54	-53.78	2.70	12.60	-43.88	-25.00	H
14862.46	-50.41	2.70	11.20	-41.91	-25.00	H
17930.31	-47.82	3.20	12.80	-38.22	-25.00	H

LTE Band CA_7C, 20MHz+20MHz, 16QAM, CH21152+CH21350

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
7642.62	-56.32	1.80	11.30	-46.82	-25.00	V
9516.92	-55.15	2.10	11.20	-46.05	-25.00	V
10455.23	-54.64	2.30	11.30	-45.64	-25.00	V
12358.15	-53.54	2.60	12.60	-43.54	-25.00	V
14808.00	-50.94	2.50	11.20	-42.24	-25.00	V
17919.23	-48.64	3.20	12.80	-39.04	-25.00	V

LTE Band CA_7C, 20MHz+20MHz, 64QAM, CH20850+CH21048

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
6202.15	-65.89	1.60	13.10	-54.39	-25.00	V
8258.77	-65.50	1.90	11.30	-56.10	-25.00	V
10366.62	-62.74	2.30	11.30	-53.74	-25.00	H
12211.38	-61.04	2.60	12.60	-51.04	-25.00	V
14945.54	-56.13	2.70	11.20	-47.63	-25.00	V
17904.92	-49.45	3.60	12.80	-40.25	-25.00	H

LTE Band CA_7C, 20MHz+20MHz, 64QAM, CH21001+CH21199

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
6667.85	-57.45	1.80	12.40	-46.85	-25.00	H
9537.23	-55.65	2.10	11.20	-46.55	-25.00	H
12458.31	-53.80	2.60	12.60	-43.80	-25.00	H
12878.31	-54.56	2.70	13.80	-43.46	-25.00	H
14931.69	-50.46	2.70	11.20	-41.96	-25.00	H
17263.85	-49.72	3.20	14.50	-38.42	-25.00	H

LTE Band CA_7C, 20MHz+20MHz, 64QAM, CH21152+CH21350

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
8246.31	-65.76	1.90	11.30	-56.36	-25.00	V
10411.38	-61.89	2.30	11.30	-52.89	-25.00	H
12545.54	-62.70	2.40	13.80	-51.30	-25.00	V
14945.08	-56.37	2.70	11.20	-47.87	-25.00	V
15911.54	-56.85	2.60	15.60	-43.85	-25.00	V
17922.00	-49.37	3.20	12.80	-39.77	-25.00	H

Note: The maximum value of expanded measurement uncertainty for this test item is $U = 2.72\text{dB}(30\text{MHz}-3\text{GHz})/3.60\text{dB}(3\text{GHz}-18\text{GHz})/3.58\text{dB}(18\text{GHz}-40\text{GHz})$, $k = 2$

LTE Band CA_41C, 20MHz+20MHz, QPSK, CH39750+CH39948

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
7965.69	-65.63	1.90	11.30	-56.23	-25.00	V
10271.54	-62.13	2.10	11.30	-52.93	-25.00	H
12393.69	-60.92	2.60	12.60	-50.92	-25.00	V
14904.46	-55.89	2.70	11.20	-47.39	-25.00	H
17999.08	-50.73	3.20	12.80	-41.13	-25.00	V
17999.08	-50.73	3.20	12.80	-41.13	-25.00	V

LTE Band CA_41C, 20MHz+20MHz, QPSK, CH40521+CH40719

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
7469.54	-66.84	1.90	12.00	-56.74	-25.00	V
10457.08	-62.19	2.30	11.30	-53.19	-25.00	H
12567.69	-62.19	2.40	13.80	-50.79	-25.00	V
12869.54	-59.74	2.70	13.80	-48.64	-25.00	V
14904.00	-55.68	2.70	11.20	-47.18	-25.00	V
17901.69	-49.56	3.60	12.80	-40.36	-25.00	H

LTE Band CA_41C, 20MHz+20MHz, QPSK, CH41292+CH41490

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
9476.77	-56.68	2.10	11.60	-47.18	-25.00	V
10605.23	-42.84	2.20	10.80	-34.24	-25.00	V
11665.38	-53.93	2.60	11.00	-45.53	-25.00	H
12425.54	-53.76	2.60	12.60	-43.76	-25.00	V
14232.92	-53.84	2.50	11.90	-44.44	-25.00	H
16548.00	-53.22	2.60	16.50	-39.32	-25.00	H

LTE Band CA_41C, 20MHz+20MHz, 16QAM, CH39750+CH39948

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
6159.23	-57.68	1.60	13.10	-46.18	-25.00	H
8152.62	-56.28	1.80	11.30	-46.78	-25.00	H
10446.46	-54.73	2.30	11.30	-45.73	-25.00	H
12468.00	-53.96	2.60	12.60	-43.96	-25.00	V
14843.54	-51.08	2.70	11.20	-42.58	-25.00	V
17907.23	-48.28	3.60	12.80	-39.08	-25.00	H

LTE Band CA_41C, 20MHz+20MHz, 16QAM, CH40521+CH40719

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
6177.23	-57.16	1.60	13.10	-45.66	-25.00	V
8276.77	-55.64	1.90	11.30	-46.24	-25.00	H
10605.69	-50.11	2.20	10.80	-41.51	-25.00	V
12840.92	-54.56	2.70	13.80	-43.46	-25.00	H
14832.92	-50.40	2.70	11.20	-41.90	-25.00	H
17928.00	-48.14	3.20	12.80	-38.54	-25.00	H

LTE Band CA_41C, 20MHz+20MHz, 16QAM, CH41292+CH41490

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
6172.62	-57.55	1.60	13.10	-46.05	-25.00	V
8254.15	-55.97	1.90	11.30	-46.57	-25.00	V
9539.08	-55.01	2.10	11.20	-45.91	-25.00	V
10604.77	-51.18	2.20	10.80	-42.58	-25.00	V
14848.62	-50.66	2.70	11.20	-42.16	-25.00	V
17917.38	-48.77	3.20	12.80	-39.17	-25.00	V

LTE Band CA_41C, 20MHz+20MHz, 64QAM, CH39750+CH39948

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
8238.46	-65.25	2.20	11.30	-56.15	-25.00	V
10445.08	-62.02	2.30	11.30	-53.02	-25.00	V
12442.62	-60.45	2.60	12.60	-50.45	-25.00	H
14961.69	-56.21	2.70	11.20	-47.71	-25.00	H
15857.08	-56.84	2.40	15.60	-43.64	-25.00	H
17932.15	-49.67	3.20	12.80	-40.07	-25.00	H

LTE Band CA_41C, 20MHz+20MHz, 64QAM, CH40521+CH40719

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
6678.92	-64.52	1.80	12.40	-53.92	-25.00	H
8172.92	-65.19	2.20	11.30	-56.09	-25.00	H
10359.69	-62.47	2.10	11.30	-53.27	-25.00	H
12280.15	-60.48	2.60	12.60	-50.48	-25.00	V
14831.54	-56.59	2.70	11.20	-48.09	-25.00	H
17968.62	-49.90	3.20	12.80	-40.30	-25.00	H

LTE Band CA_41C, 20MHz+20MHz, 64QAM, CH41292+CH41490

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
7902.00	-56.11	1.70	11.30	-46.51	-25.00	V
9512.31	-55.19	2.10	11.20	-46.09	-25.00	V
10605.69	-49.55	2.20	10.80	-40.95	-25.00	V
13249.38	-54.91	2.40	13.30	-44.01	-25.00	V
14832.92	-50.20	2.70	11.20	-41.70	-25.00	V
17928.92	-48.40	3.20	12.80	-38.80	-25.00	V

Note: The maximum value of expanded measurement uncertainty for this test item is $U = 2.72\text{dB}(30\text{MHz}-3\text{GHz})/3.60\text{dB}(3\text{GHz}-18\text{GHz})/3.58\text{dB}(18\text{GHz}-40\text{GHz})$, $k = 2$

A.3 FREQUENCY STABILITY

Reference

FCC: CFR Part 2.1055, 22.355, 24.235, 27.54, 90.213.

A.3.1 Method of Measurement

In order to measure the carrier frequency under the condition of AFC lock, it is necessary to make measurements with the EUT in a "call mode". This is accomplished with the use of R&S CMW500 DIGITAL RADIO COMMUNICATION TESTER.

1. Measure the carrier frequency at room temperature.
2. Subject the EUT to overnight soak at 0°C.
3. With the EUT, powered via nominal voltage, connected to the CMW500 and in a simulated call on middle channel, measure the carrier frequency. These measurements should be made within 2 minutes of Powering up the EUT, to prevent significant self-warming.
4. Repeat the above measurements at 5°C increments from 0°C to +35°C. Allow at least 1.5 hours at each temperature, unpowered, before making measurements.
5. Re-measure carrier frequency at room temperature with nominal voltage. Vary supply voltage from minimum voltage to maximum voltage, in 0.1Volt increments re-measuring carrier frequency at each voltage. Pause at nominal voltage for 1.5 hours unpowered, to allow any self-heating to stabilize, before continuing.
6. Subject the EUT to overnight soak at +35°C.
7. With the EUT, powered via nominal voltage, connected to the CMW500 and in a simulated call on the centre channel, measure the carrier frequency. These measurements should be made within 2 minutes of Powering up the EUT, to prevent significant self-warming.
8. Repeat the above measurements at 5 °C increments from +35°C to 0°C. Allow at least 1.5 hours at each temperature, unpowered, before making measurements.
9. At all temperature levels hold the temperature to +/- 0.5°C during the measurement procedure.

A.3.2 Measurement Limit

According to the JTC standard the frequency stability of the carrier shall be accurate to within 0.1 ppm of the received frequency from the base station. This accuracy is sufficient to meet Sec. 24.235, Frequency Stability. The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block. As this transceiver is considered "Hand carried, battery powered equipment" Section 2.1055(d) (2) applies. This requires that the lower voltage for frequency stability testing be specified by the manufacturer. This transceiver is specified to operate with an input voltage of between 3.60V and 4.45V, with a nominal voltage of 3.87V. Operation above or below these voltage limits is prohibited by transceiver software in order to prevent improper operation as well as to protect components from overstress. These voltages represent a tolerance from -5.4% to 10.8%. For the purposes of measuring frequency stability these voltage limits are to be used.

A.3.3 Measurement results

LTE Band 2, 1.4MHz bandwidth (worst case of all bandwidths)

Frequency Error vs Voltage

Voltage (V)	Frequency error (Hz)			Frequency error (ppm)		
	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
3.60	13	6	8	0.007	0.003	0.004
3.87	25	14	4	0.013	0.007	0.002
4.45	8	7	17	0.004	0.004	0.009

Frequency Error vs Temperature

Temperature (°C)	Frequency error (Hz)			Frequency error (ppm)		
	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
0	11	11	10	0.006	0.006	0.005
5	7	2	12	0.004	0.001	0.006
10	4	17	14	0.002	0.009	0.007
15	15	15	7	0.008	0.008	0.004
20	12	21	5	0.006	0.011	0.003
25	18	16	13	0.010	0.009	0.007
30	13	13	20	0.007	0.007	0.011
35	8	18	16	0.004	0.010	0.009

Expanded measurement uncertainty is 10 Hz, $k = 2$

LTE Band 7, 5MHz bandwidth (worst case of all bandwidths)

Frequency Error vs Voltage

Voltage (V)	Frequency error (Hz)			Frequency error (ppm)		
	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
3.60	10	16	11	0.004	0.006	0.004
3.87	8	20	14	0.003	0.008	0.006
4.45	12	5	17	0.005	0.002	0.007

Frequency Error vs Temperature

Temperature (°C)	Frequency error (Hz)			Frequency error (ppm)		
	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
0	8	9	9	0.003	0.004	0.004
5	15	15	4	0.006	0.006	0.002
10	4	10	11	0.002	0.004	0.004
15	7	4	7	0.003	0.002	0.003
20	6	17	6	0.002	0.007	0.002
25	12	5	12	0.005	0.002	0.005
30	10	8	8	0.004	0.003	0.003
35	8	3	13	0.003	0.001	0.005

Expanded measurement uncertainty is 10 Hz, $k = 2$

LTE Band 12, 1.4MHz bandwidth (worst case of all bandwidths)
Frequency Error vs Voltage

Voltage (V)	Frequency error (Hz)			Frequency error (ppm)		
	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
3.60	9	10	16	0.013	0.014	0.023
3.87	5	8	8	0.007	0.011	0.011
4.45	11	14	14	0.016	0.020	0.020

Frequency Error vs Temperature

Temperature (°C)	Frequency error (Hz)			Frequency error (ppm)		
	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
0	10	9	12	0.014	0.013	0.017
5	12	5	8	0.017	0.007	0.011
10	14	7	7	0.020	0.010	0.010
15	7	11	9	0.010	0.016	0.013
20	5	7	18	0.007	0.010	0.025
25	18	13	8	0.025	0.018	0.011
30	6	14	10	0.008	0.020	0.014
35	11	16	7	0.016	0.023	0.010

Expanded measurement uncertainty is 10Hz, k = 2

LTE Band 26(814MHz-824MHz), 1.4MHz bandwidth (worst case of all bandwidths)
Frequency Error vs Voltage

Voltage (V)	Frequency error (Hz)			Frequency error (ppm)		
	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
3.60	15	16	14	0.018	0.020	0.017
3.87	24	27	15	0.029	0.033	0.018
4.45	8	8	7	0.010	0.010	0.009

Frequency Error vs Temperature

Temperature (°C)	Frequency error (Hz)			Frequency error (ppm)		
	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
0	16	16	16	0.020	0.020	0.020
5	5	8	18	0.006	0.010	0.022
10	14	14	14	0.017	0.017	0.017
15	3	7	7	0.004	0.009	0.009
20	11	15	5	0.013	0.018	0.006
25	17	11	3	0.021	0.013	0.004
30	15	7	11	0.018	0.009	0.013
35	9	10	4	0.011	0.012	0.005

Expanded measurement uncertainty is 10Hz, k = 2

LTE band 26(824MHz-849MHz), 1.4MHz bandwidth (worst case of all bandwidths)
Frequency Error vs Voltage

Voltage (V)	Frequency error (Hz)			Frequency error (ppm)		
	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
3.60	22	19	15	0.026	0.023	0.018
3.87	14	18	17	0.017	0.022	0.020
4.45	7	14	21	0.008	0.017	0.025

Frequency Error vs Temperature

Temperature (°C)	Frequency error (Hz)			Frequency error (ppm)		
	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
0	22	19	15	0.026	0.023	0.018
5	14	18	17	0.017	0.022	0.020
10	7	14	21	0.008	0.017	0.025
15	15	12	11	0.018	0.014	0.013
20	11	20	9	0.013	0.024	0.011
25	14	16	7	0.017	0.019	0.008
30	13	13	14	0.016	0.016	0.017
35	25	19	12	0.030	0.023	0.014

Expanded measurement uncertainty is 10Hz, k = 2

LTE Band 41, 5MHz bandwidth (worst case of all bandwidths)
Frequency Error vs Voltage

Voltage (V)	Frequency error (Hz)			Frequency error (ppm)		
	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
3.60	10	16	20	0.004	0.006	0.008
3.87	15	7	5	0.006	0.003	0.002
4.45	3	14	14	0.001	0.005	0.005

Frequency Error vs Temperature

Temperature (°C)	Frequency error (Hz)			Frequency error (ppm)		
	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
0	16	22	20	0.006	0.008	0.008
5	14	15	15	0.005	0.006	0.006
10	12	17	14	0.005	0.007	0.005
15	23	16	15	0.009	0.006	0.006
20	15	22	21	0.006	0.008	0.008
25	8	13	13	0.003	0.005	0.005
30	16	16	10	0.006	0.006	0.004
35	3	18	8	0.001	0.007	0.003

Expanded measurement uncertainty is 10 Hz, k = 2

LTE Band 66, 1.4MHz bandwidth (worst case of all bandwidths)
Frequency Error vs Voltage

Voltage (V)	Frequency error (Hz)			Frequency error (ppm)		
	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
3.60	10	16	18	0.006	0.009	0.010
3.87	15	23	9	0.009	0.013	0.005
4.45	2	7	16	0.001	0.004	0.009

Frequency Error vs Temperature

Temperature (°C)	Frequency error (Hz)			Frequency error (ppm)		
	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
0	12	22	21	0.007	0.013	0.012
5	1	15	10	0.001	0.009	0.006
10	14	17	14	0.008	0.010	0.008
15	16	14	17	0.009	0.008	0.010
20	21	23	15	0.012	0.013	0.009
25	18	8	18	0.010	0.005	0.010
30	7	19	13	0.004	0.011	0.007
35	11	26	16	0.006	0.015	0.009

Expanded measurement uncertainty is 10Hz, k = 2

LTE Band CA_7C, 15MHz+10MHz bandwidth (worst case of all bandwidths)
Frequency Error vs Voltage

Voltage (V)	Frequency error (Hz)			Frequency error (ppm)		
	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
3.60	21	33	27	0.008	0.013	0.011
3.87	13	26	36	0.005	0.010	0.014
4.45	8	8	29	0.003	0.003	0.011

Frequency Error vs Temperature

Temperature (°C)	Frequency error (Hz)			Frequency error (ppm)		
	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
0	26	39	33	0.010	0.015	0.013
5	24	16	26	0.009	0.006	0.010
10	18	25	38	0.007	0.010	0.015
15	27	18	28	0.011	0.007	0.011
20	31	24	37	0.012	0.009	0.015
25	22	44	45	0.009	0.017	0.018
30	15	46	43	0.006	0.018	0.017
35	42	39	33	0.017	0.015	0.013

Expanded measurement uncertainty is 10 Hz, k = 2

LTE Band CA_41C, 5MHz+20MHz bandwidth (worst case of all bandwidths)
Frequency Error vs Voltage

Voltage (V)	Frequency error (Hz)			Frequency error (ppm)		
	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
3.60	42	26	42	0.016	0.010	0.016
3.87	15	37	18	0.006	0.014	0.007
4.45	38	44	36	0.015	0.017	0.014

Frequency Error vs Temperature

Temperature (°C)	Frequency error (Hz)			Frequency error (ppm)		
	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
0	26	34	30	0.010	0.013	0.012
5	28	15	26	0.011	0.006	0.010
10	34	46	40	0.013	0.018	0.015
15	31	28	14	0.012	0.011	0.005
20	25	39	45	0.010	0.015	0.017
25	28	51	42	0.011	0.020	0.016
30	42	43	16	0.016	0.017	0.006
35	17	26	22	0.007	0.010	0.008

Expanded measurement uncertainty is 10 Hz, $k = 2$

A.4 OCCUPIED BANDWIDTH

Reference

FCC: CFR Part 2.1049, 22.917, 24.238, 27.53, 90.1215.

A.4.1 Occupied Bandwidth Results

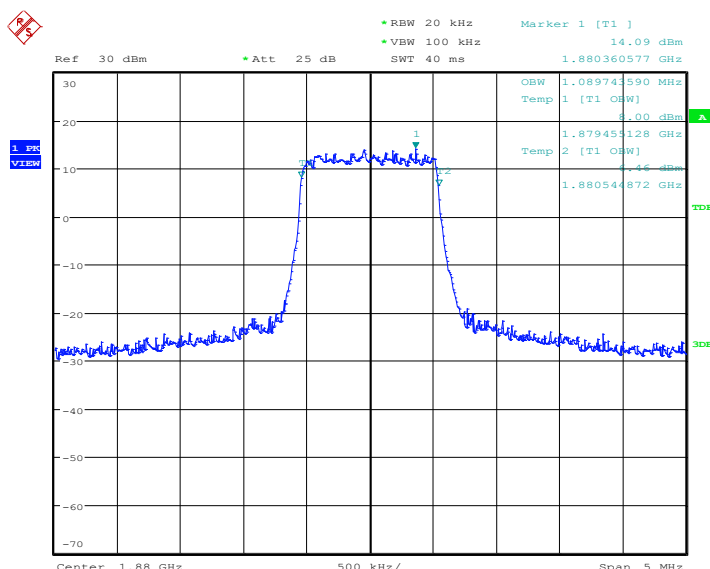
Occupied bandwidth measurements are only provided for selected frequencies in order to reduce the amount of submitted data. Data were taken at the extreme and mid frequencies of the US Cellular/PCS frequency bands. The table below lists the measured 99% BW. Spectrum analyzer plots are included on the following pages.

- The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be set wide enough to capture all modulation products including the emission skirts (i.e., two to five times the OBW).
- The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1 to 5 % of the anticipated OBW, and the VBW shall be at least 3 times the RBW.
- Set the reference level of the instrument as required to keep the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope must be at least $10\log(\text{OBW} / \text{RBW})$ below the reference level.
- Set the detection mode to peak, and the trace mode to max hold.
- Use the 99 % power bandwidth function of the spectrum analyzer and report the measured bandwidth.

LTE band 2, 1.4MHz (99% BW)

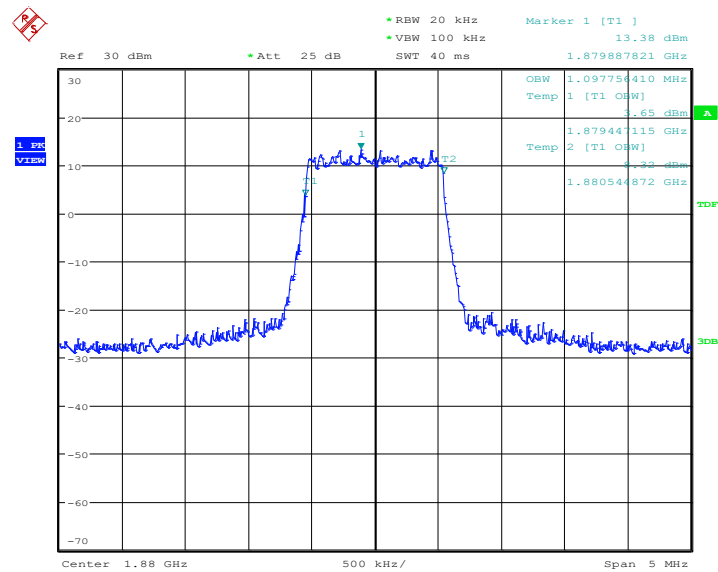
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
1880.0	QPSK	16QAM	64QAM
	1089.74	1097.76	1097.76

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



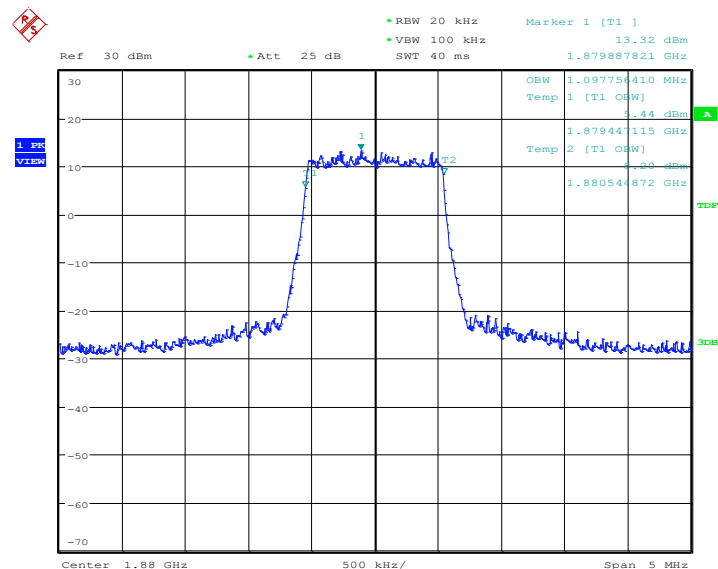
Date: 5.MAY.2021 09:18:31

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



Date: 5.MAY.2021 09:18:45

LTE band 2, 1.4MHz Bandwidth, 64QAM (99% BW)

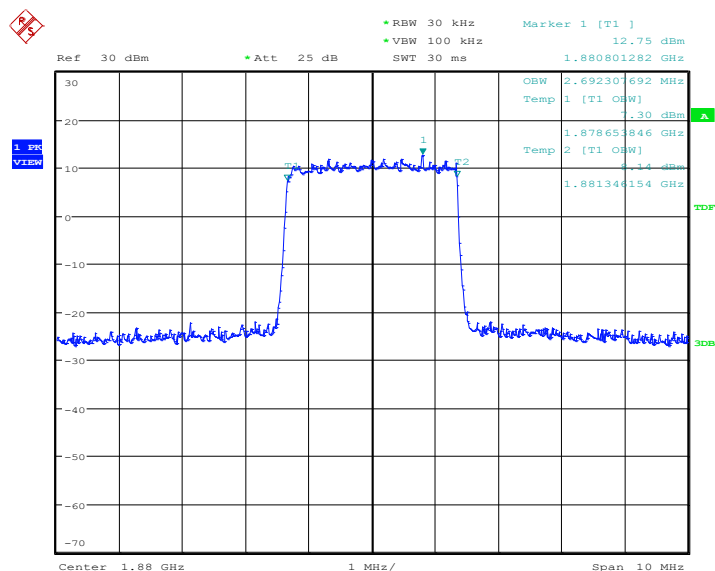


Date: 5.MAY.2021 12:41:37

LTE band 2, 3MHz (99% BW)

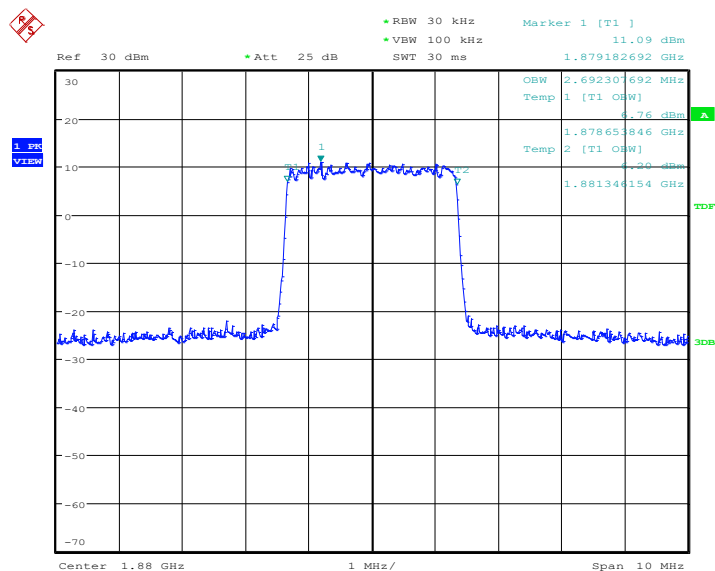
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
1880.0	QPSK	16QAM	64QAM
	2692.31	2692.31	2692.31

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



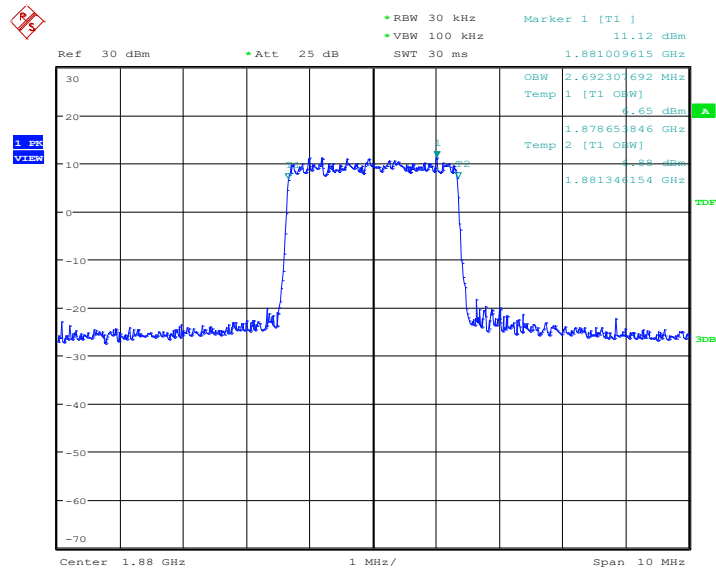
Date: 5.MAY.2021 09:20:49

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



Date: 5.MAY.2021 09:21:03

LTE band 2, 3MHz Bandwidth, 64QAM (99% BW)

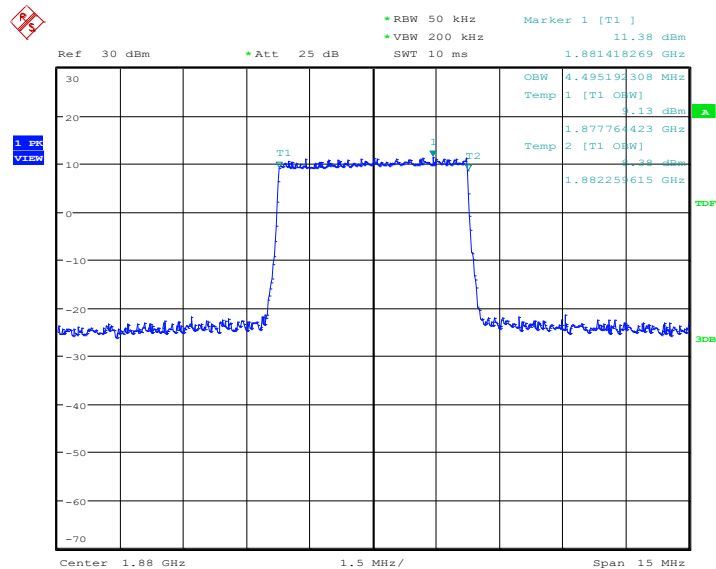


Date: 5.MAY.2021 12:43:26

LTE band 2, 5MHz (99% BW)

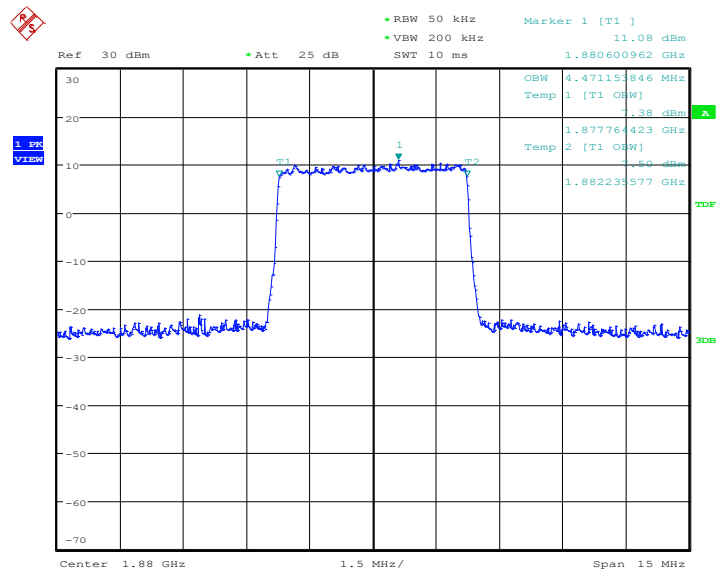
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
1880.0	QPSK	16QAM	64QAM
	4495.19	4471.15	4495.19

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



Date: 5.MAY.2021 09:23:07

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

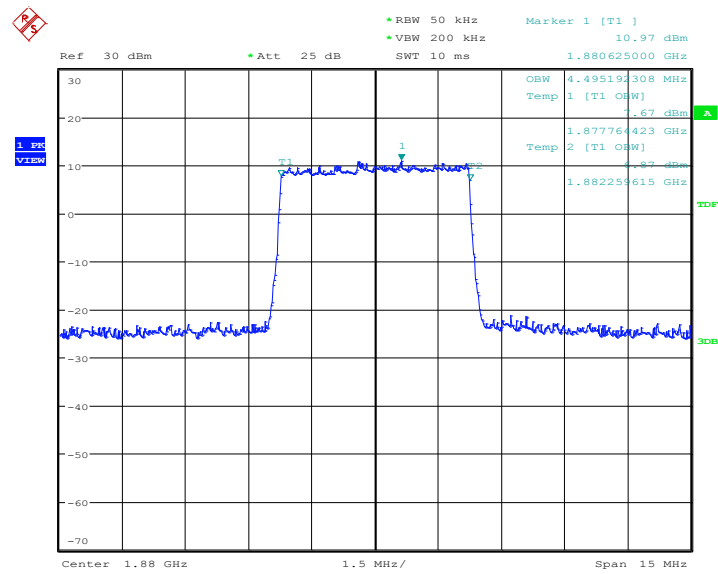


Date: 5.MAY.2021 09:23:21



No. I21N01406-RF-LTE

LTE band 2, 5MHz Bandwidth, 64QAM (99% BW)

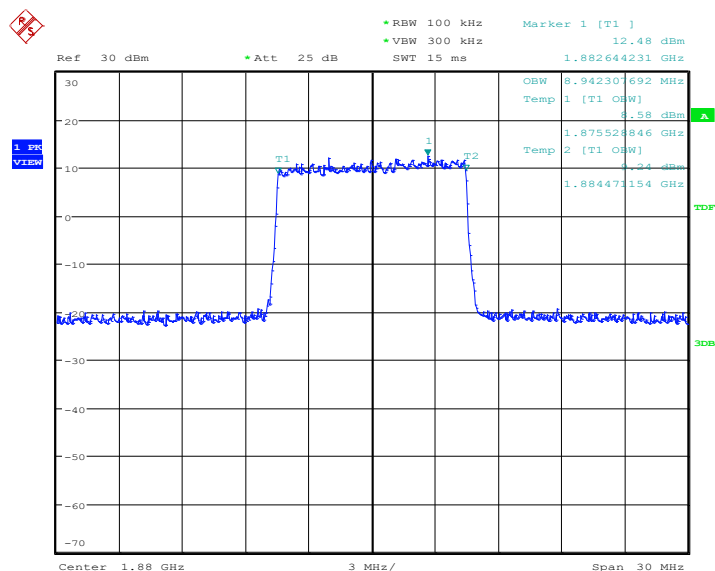


Date: 5.MAY.2021 12:45:14

LTE band 2, 10MHz (99% BW)

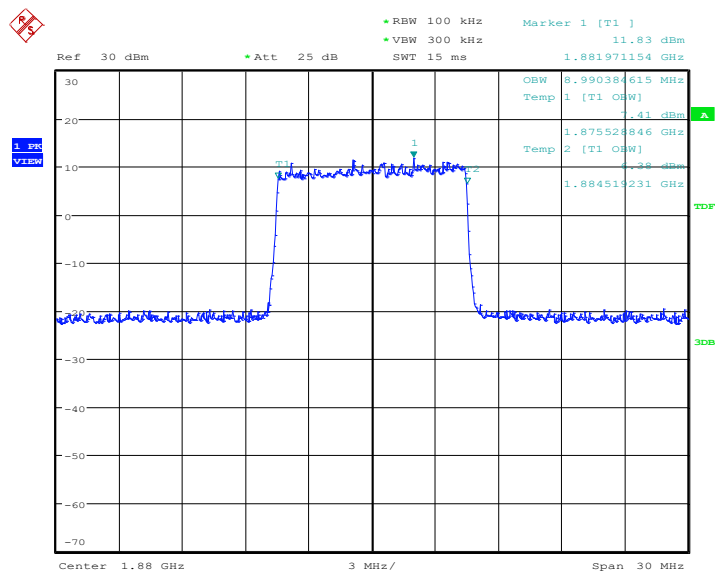
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
1880.0	QPSK	16QAM	64QAM
	8942.31	8990.38	8990.38

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



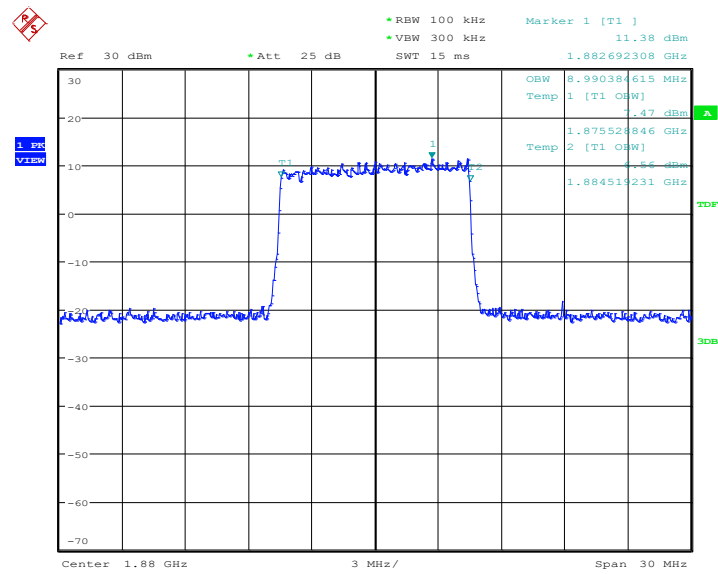
Date: 5.MAY.2021 09:25:25

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



Date: 5.MAY.2021 09:25:39

LTE band 2, 10MHz Bandwidth, 64QAM (99% BW)

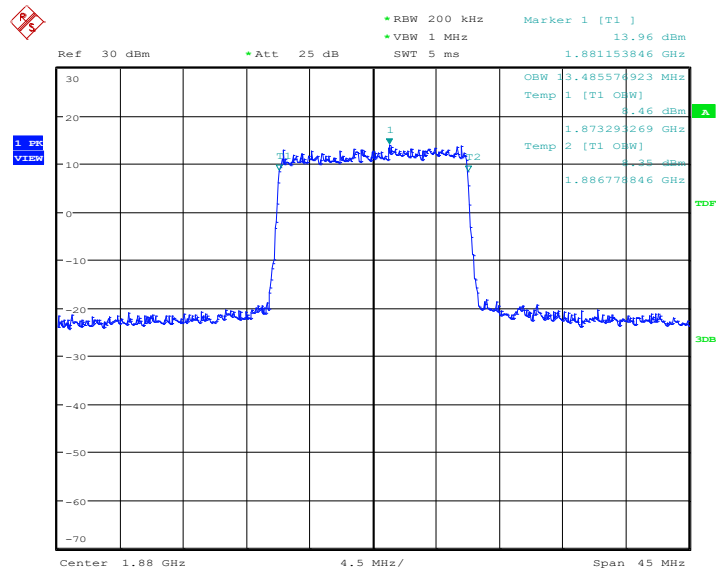


Date: 5.MAY.2021 12:47:02

LTE band 2, 15MHz (99% BW)

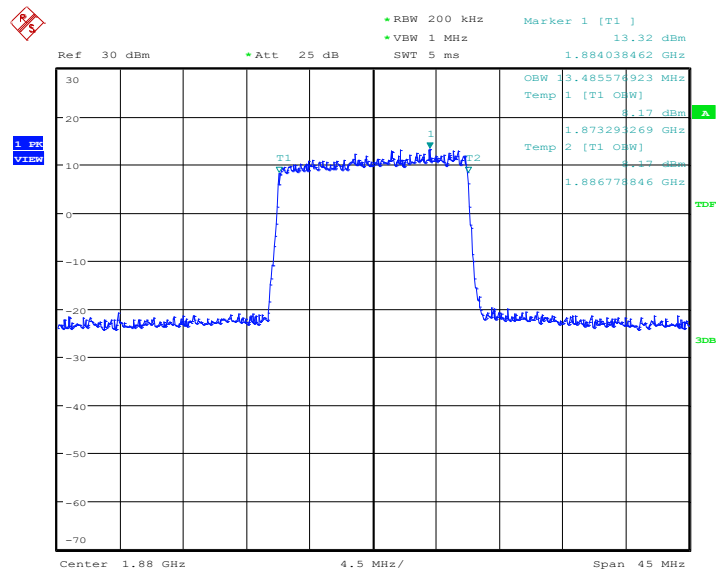
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
1880.0	QPSK	16QAM	64QAM
	13485.58	13485.58	13485.58

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



Date: 5.MAY.2021 09:27:43

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

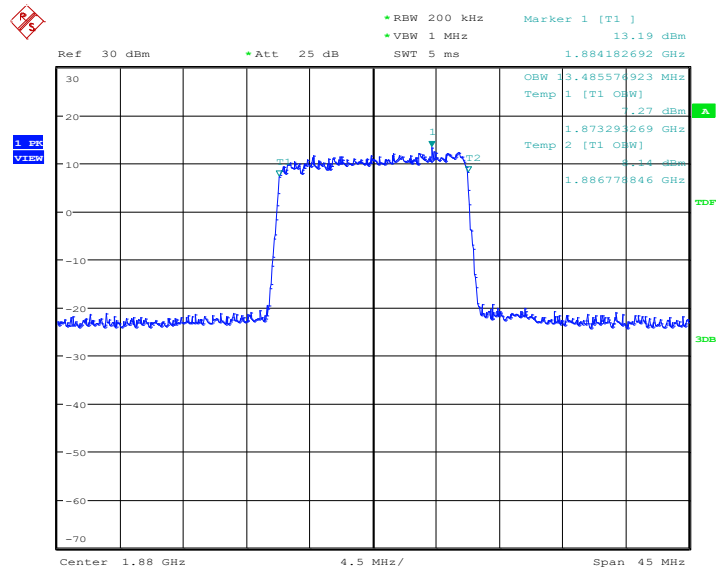


Date: 5.MAY.2021 09:27:56



No. I21N01406-RF-LTE

LTE band 2, 15MHz Bandwidth, 64QAM (99% BW)

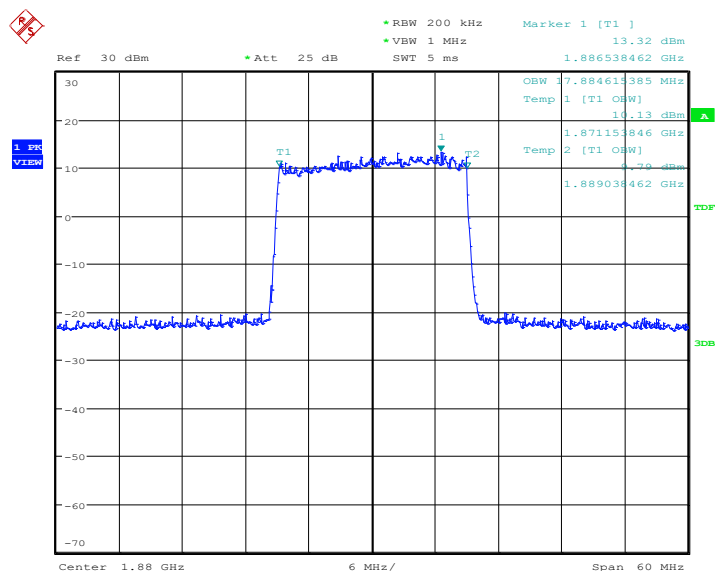


Date: 5.MAY.2021 12:48:51

LTE band 2, 20MHz (99% BW)

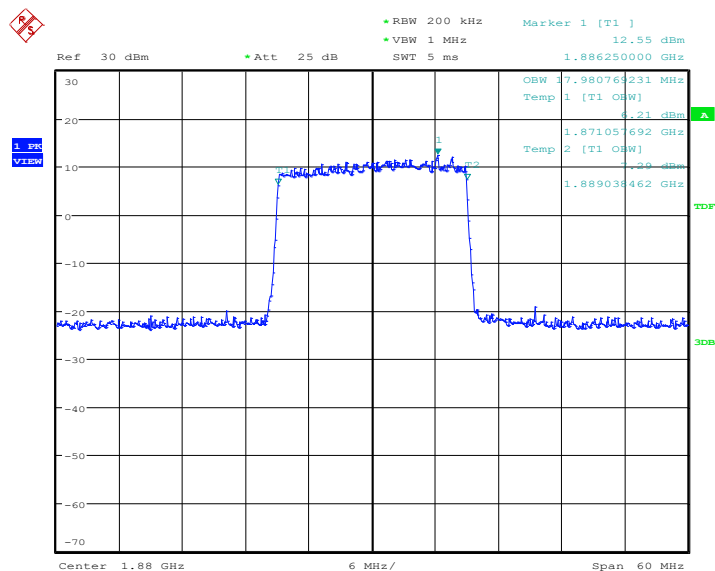
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
1880.0	QPSK	16QAM	64QAM
	17884.62	17980.77	17980.77

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



Date: 5.MAY.2021 09:30:01

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

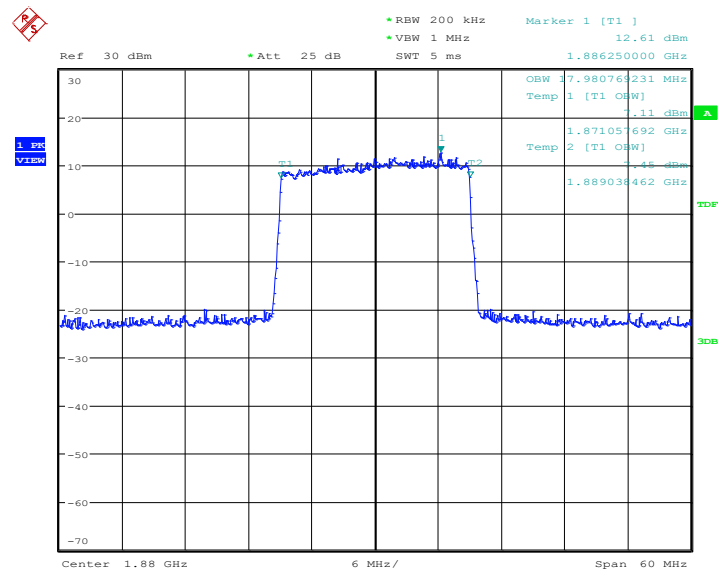


Date: 5.MAY.2021 09:30:14



No. I21N01406-RF-LTE

LTE band 2, 20MHz Bandwidth, 64QAM (99% BW)

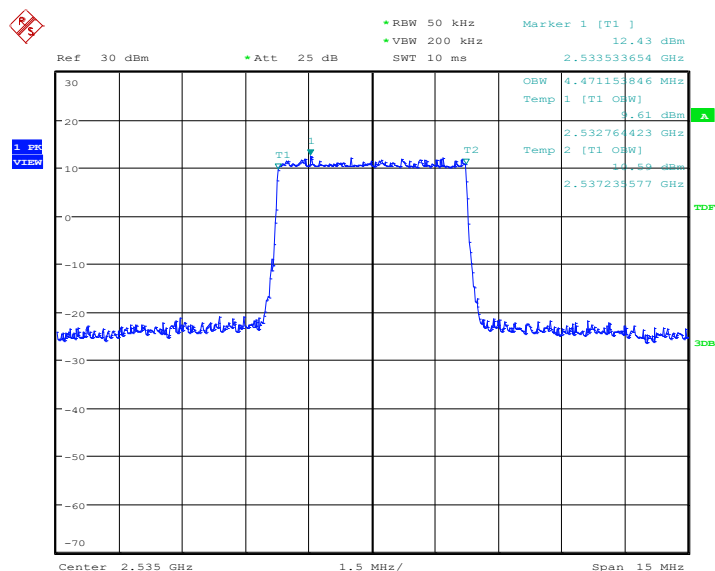


Date: 5.MAY.2021 12:50:39

LTE band 7, 5MHz (99% BW)

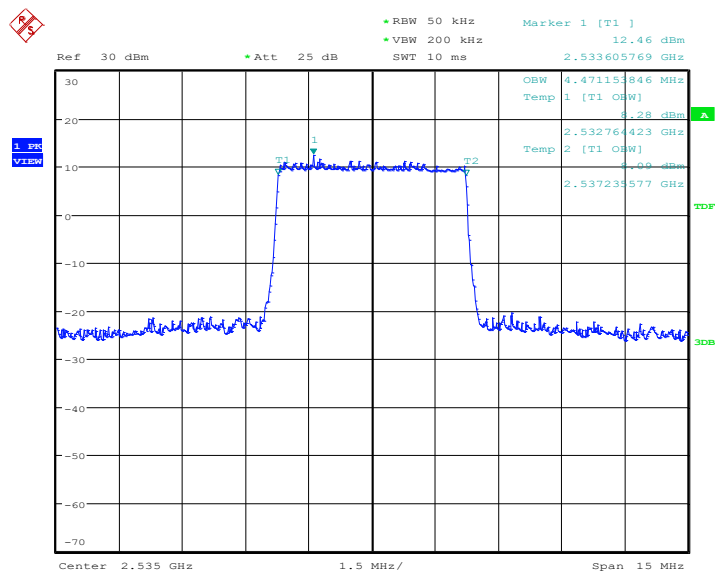
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2535.0	QPSK	16QAM	64QAM
	4471.15	4471.15	4495.19

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



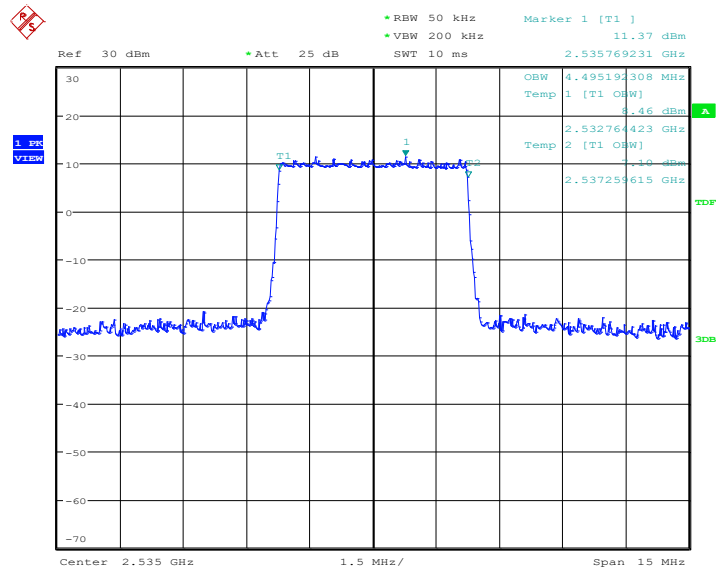
Date: 5.MAY.2021 08:50:48

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



Date: 5.MAY.2021 08:51:02

LTE band 7, 5MHz Bandwidth, 64QAM (99% BW)

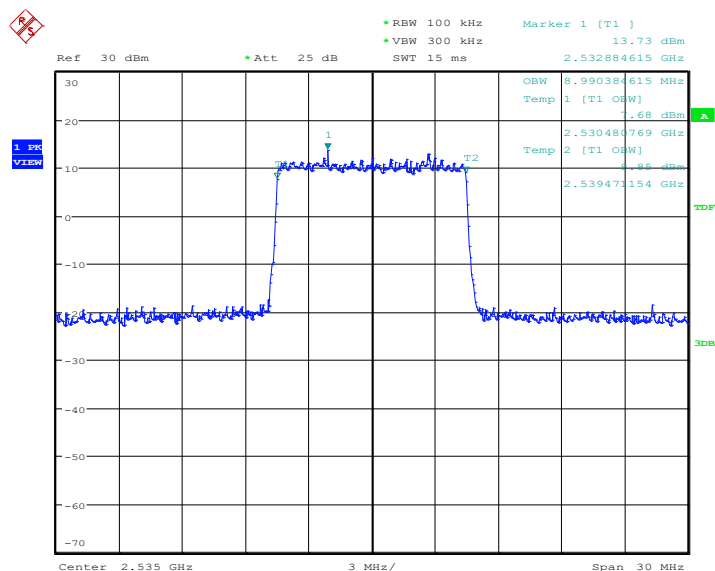


Date: 5.MAY.2021 12:19:47

LTE band 7, 10MHz (99% BW)

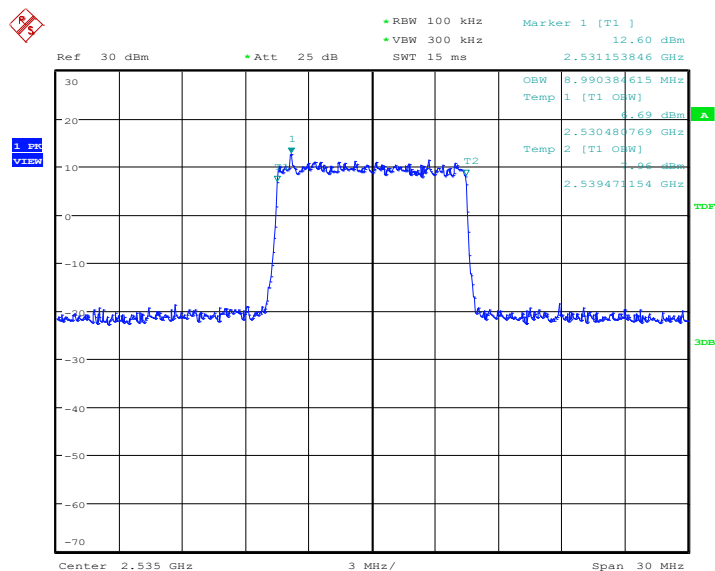
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2535.0	QPSK	16QAM	64QAM
	8990.38	8990.38	8990.38

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



Date: 5.MAY.2021 08:53:06

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

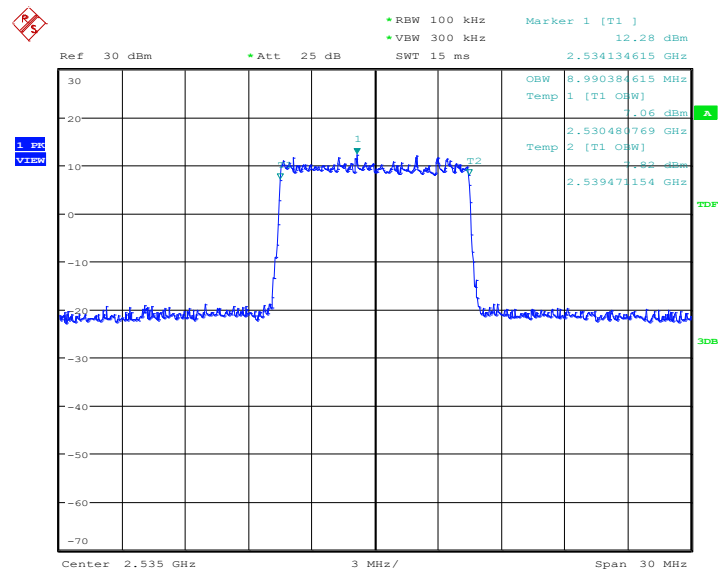


Date: 5.MAY.2021 08:53:20



No. I21N01406-RF-LTE

LTE band 7, 10MHz Bandwidth, 64QAM (99% BW)

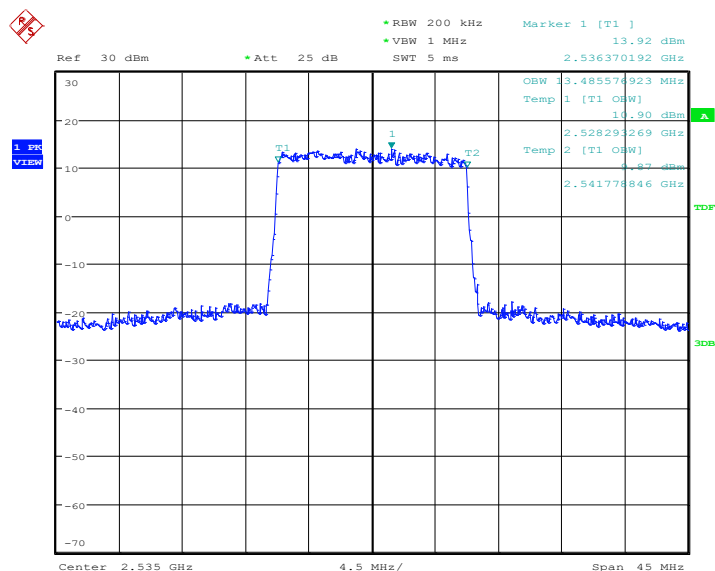


Date: 5.MAY.2021 12:21:35

LTE band 7, 15MHz (99% BW)

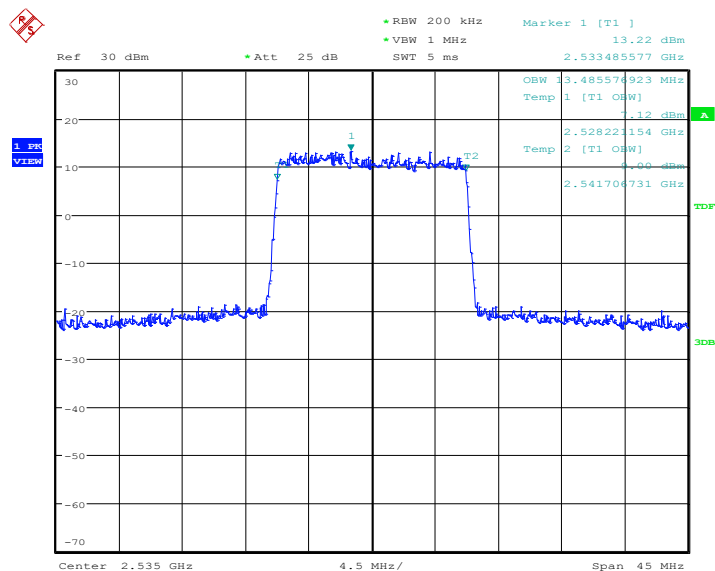
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2535.0	QPSK	16QAM	64QAM
	13485.58	13485.58	13557.69

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



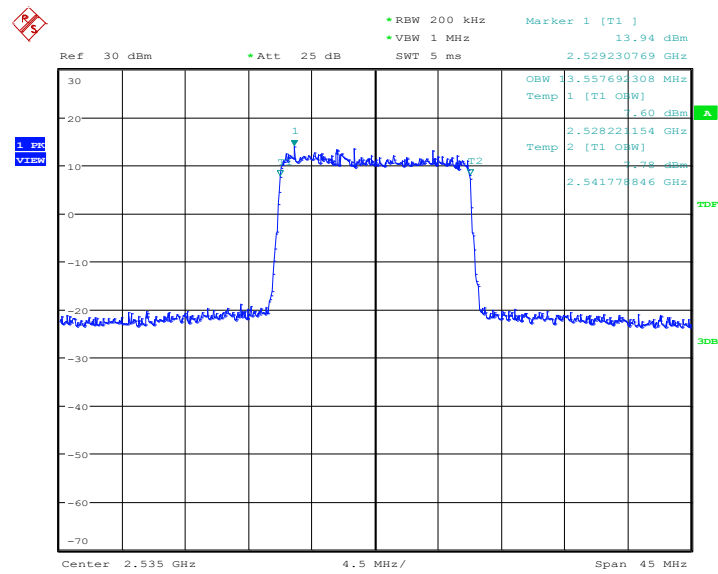
Date: 5.MAY.2021 08:55:24

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



Date: 5.MAY.2021 08:55:38

LTE band 7, 15MHz Bandwidth, 64QAM (99% BW)

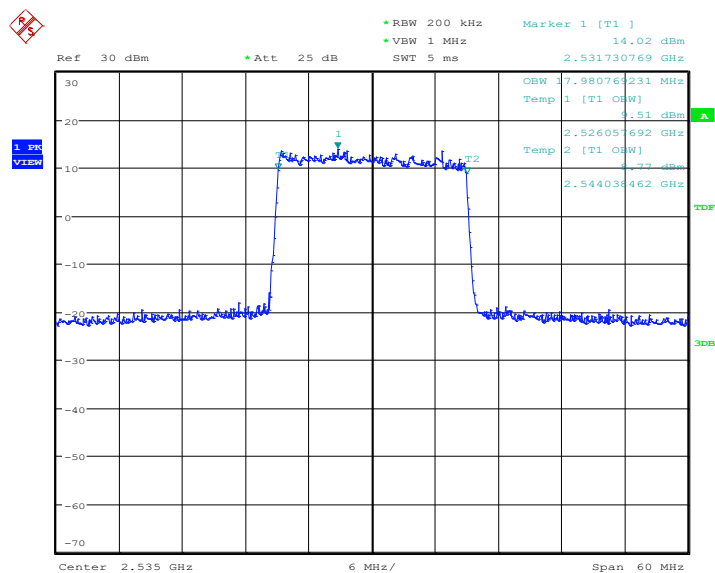


Date: 5.MAY.2021 12:23:24

LTE band 7, 20MHz (99% BW)

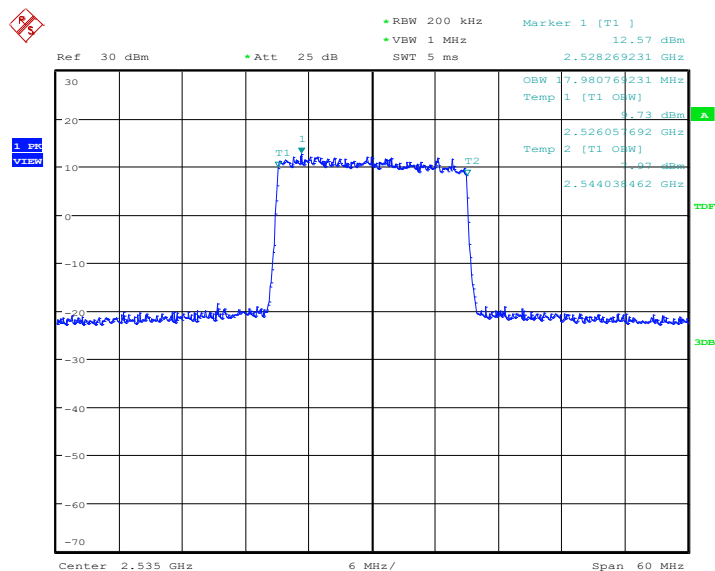
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2535.0	QPSK	16QAM	64QAM
	17980.77	17980.77	17980.77

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



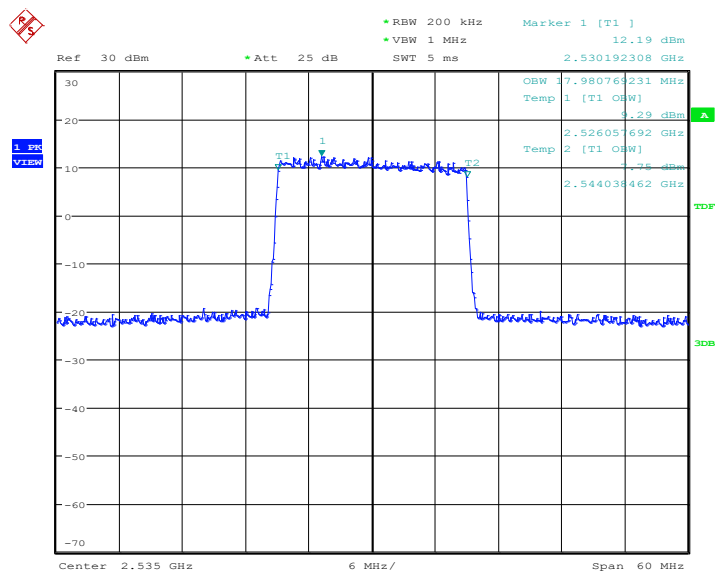
Date: 5.MAY.2021 08:57:42

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



Date: 5.MAY.2021 08:57:56

LTE band 7, 20MHz Bandwidth, 64QAM (99% BW)



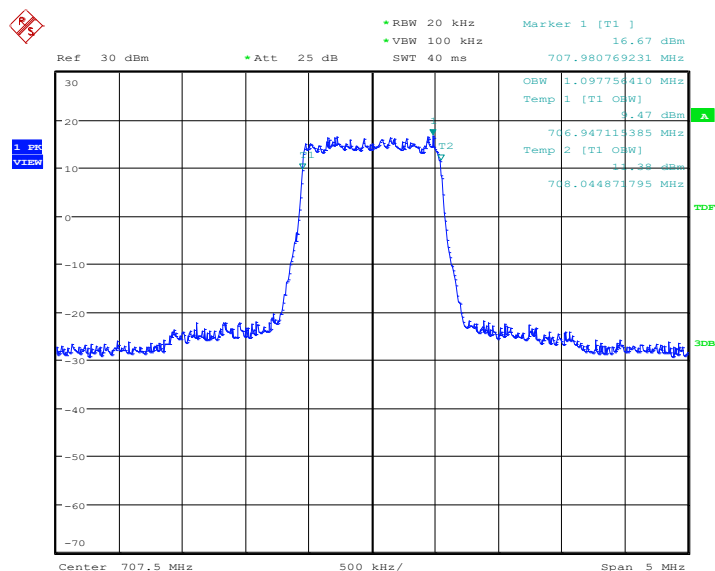
Date: 5.MAY.2021 12:25:13

Note: Expanded measurement uncertainty is $U = 3428\text{Hz}$, $k = 2$

LTE band 12, 1.4MHz (99% BW)

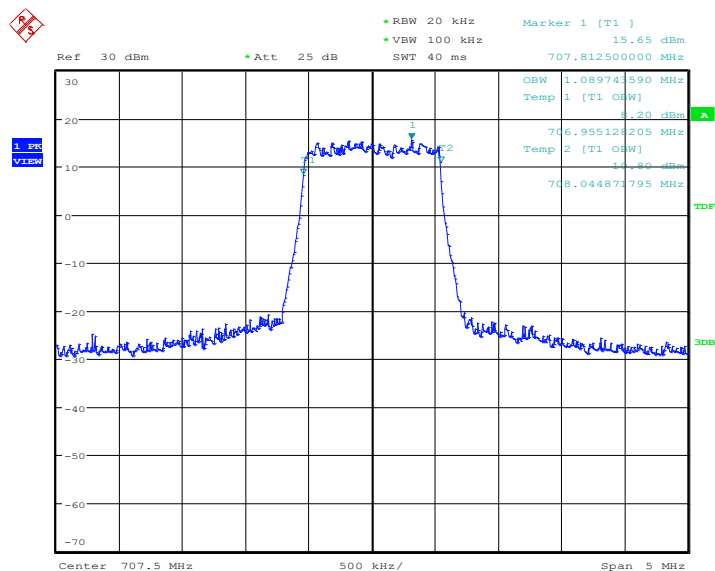
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
707.5	QPSK	16QAM	64QAM
	1097.76	1089.74	1105.77

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



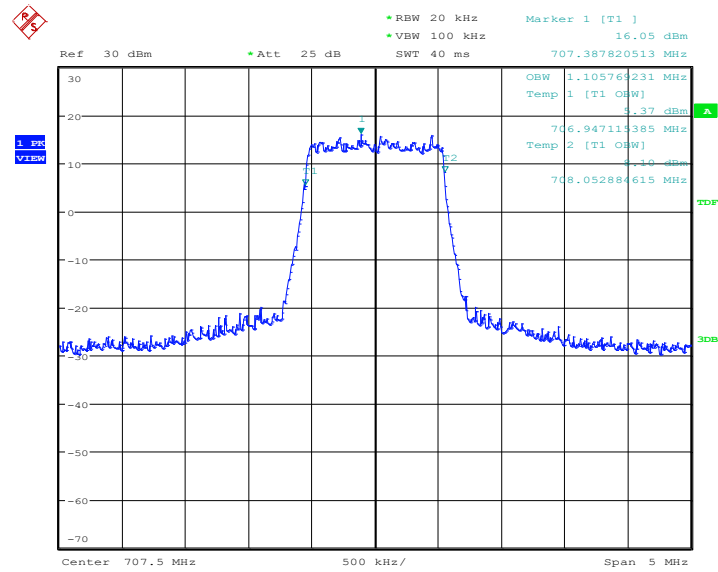
Date: 5.MAY.2021 09:46:12

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



Date: 5.MAY.2021 09:46:25

LTE band 12, 1.4MHz Bandwidth, 64QAM (99% BW)

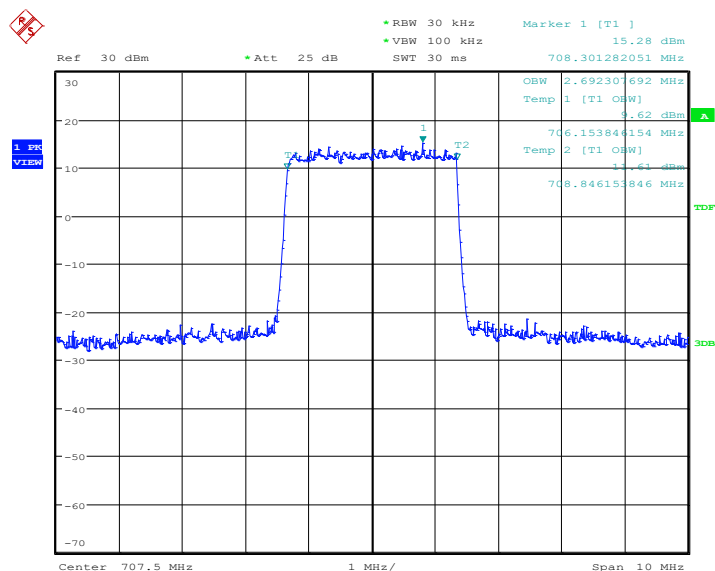


Date: 5.MAY.2021 13:03:26

LTE band 12, 3MHz (99% BW)

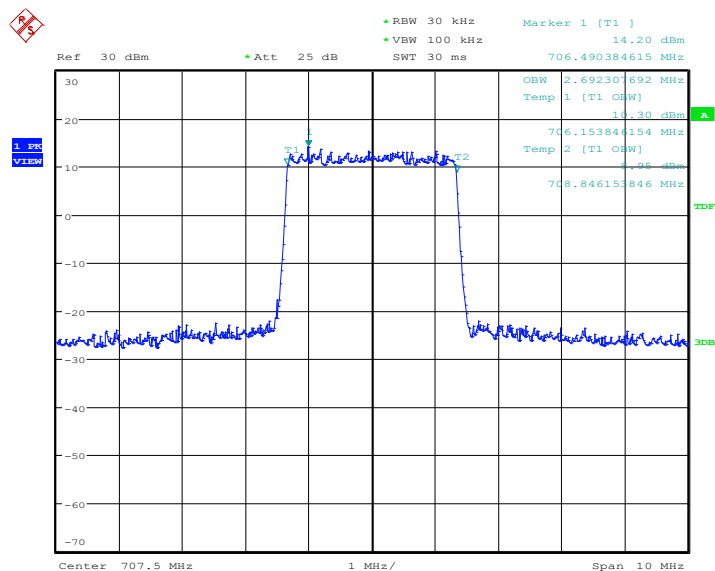
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
707.5	QPSK	16QAM	64QAM
	2692.31	2676.28	2692.31

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



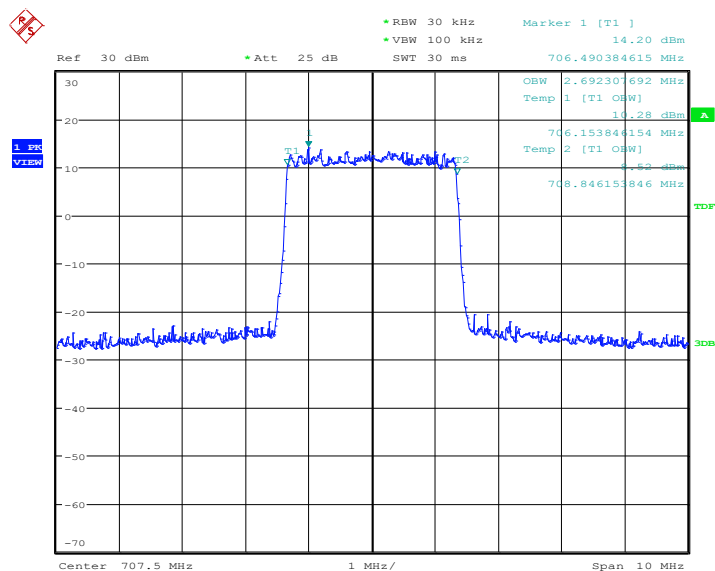
Date: 5.MAY.2021 09:48:29

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



Date: 5.MAY.2021 09:48:43

LTE band 12, 3MHz Bandwidth, 64QAM (99% BW)

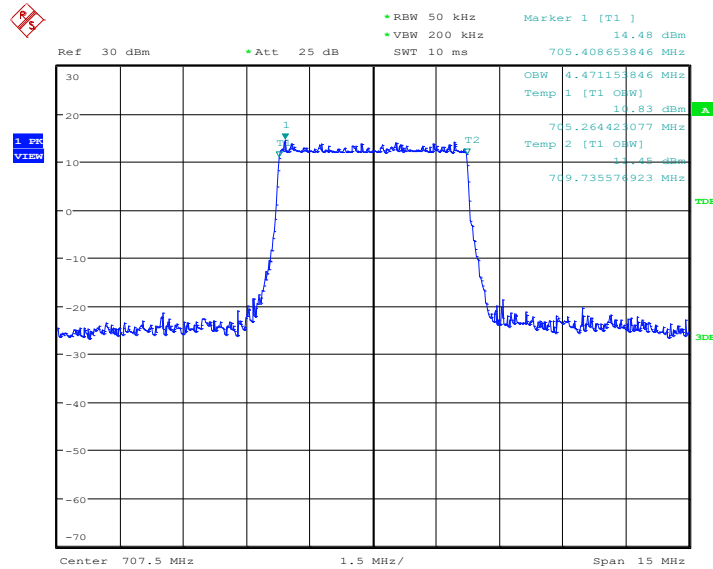


Date: 5.MAY.2021 13:05:14

LTE band 12, 5MHz (99% BW)

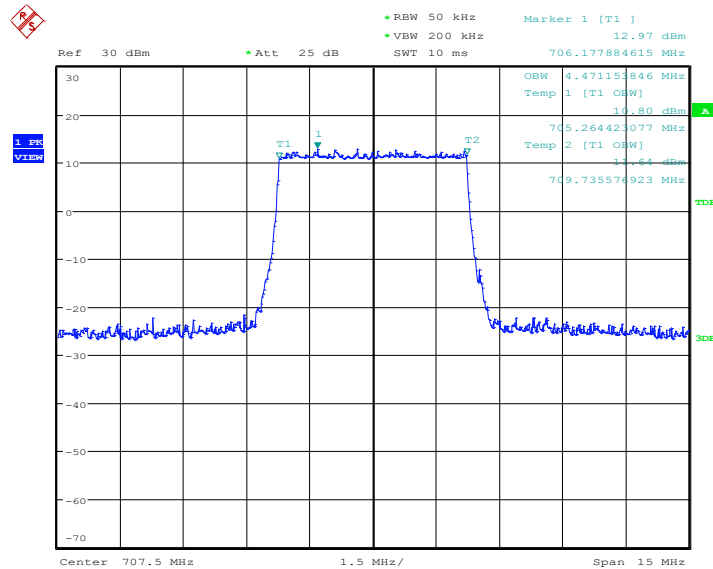
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
707.5	QPSK	16QAM	64QAM
	4471.15	4471.15	4495.19

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



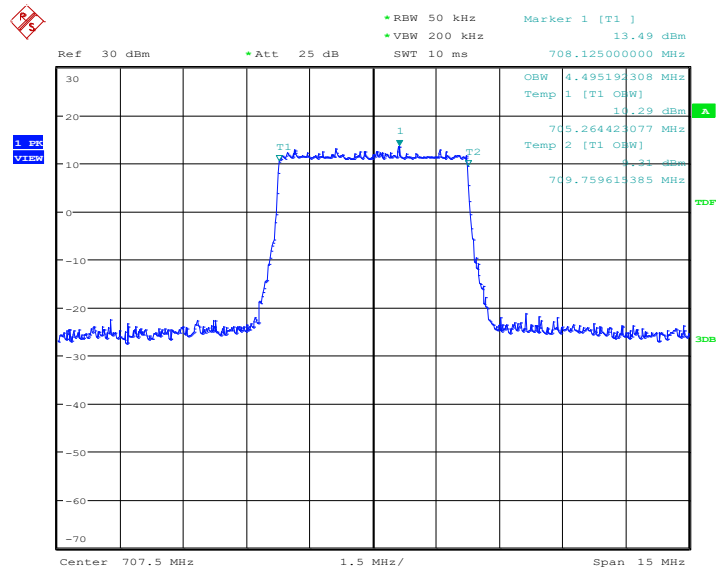
Date: 5.MAY.2021 09:50:47

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



Date: 5.MAY.2021 09:51:01

LTE band 12, 5MHz Bandwidth, 64QAM (99% BW)

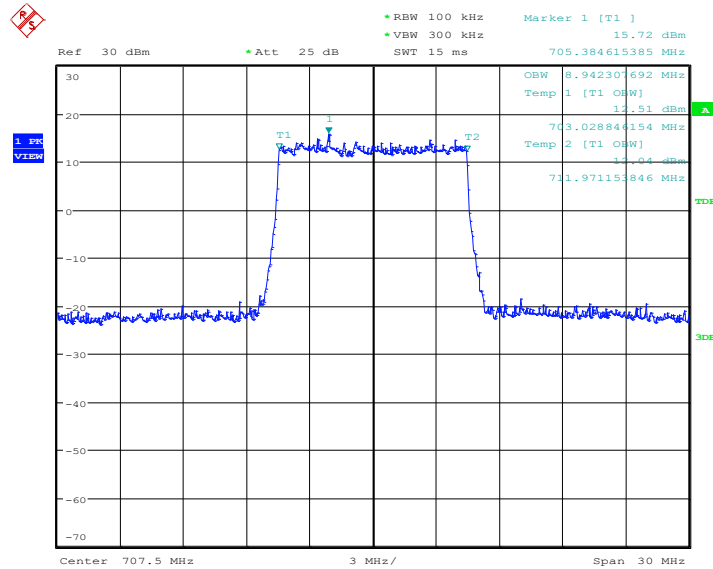


Date: 5.MAY.2021 13:07:02

LTE band 12, 10MHz (99% BW)

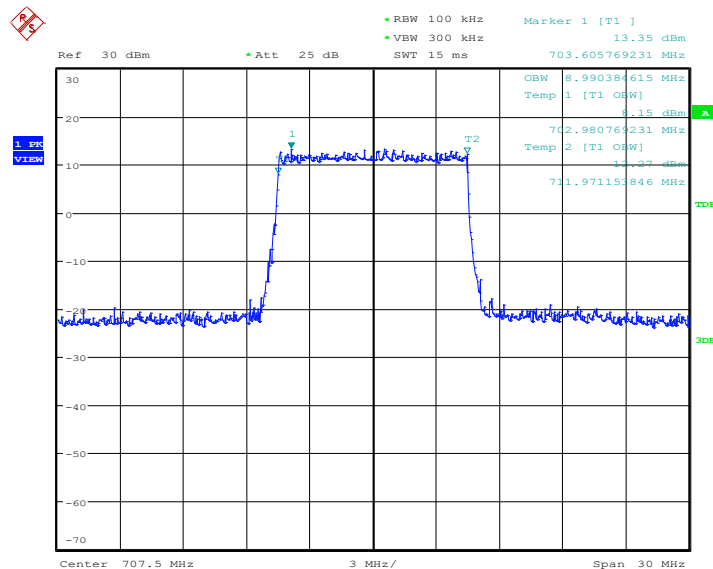
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
707.5	QPSK	16QAM	64QAM
	8942.31	8990.38	8942.31

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



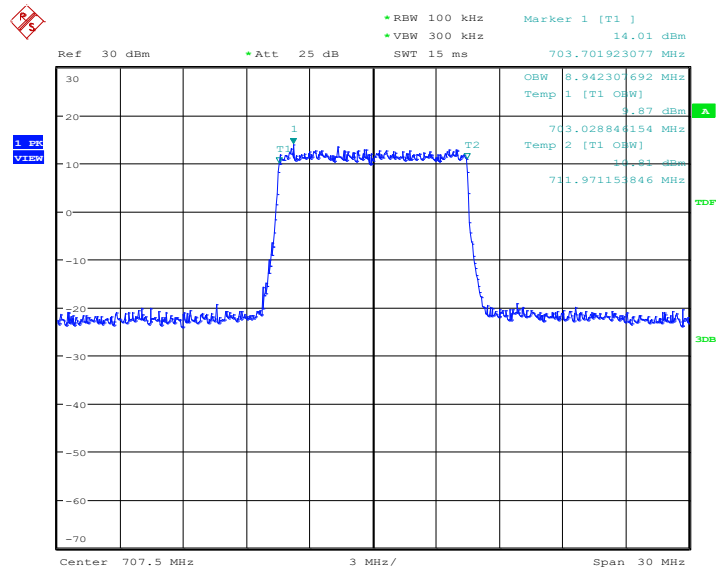
Date: 5.MAY.2021 09:53:05

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



Date: 5.MAY.2021 09:53:19

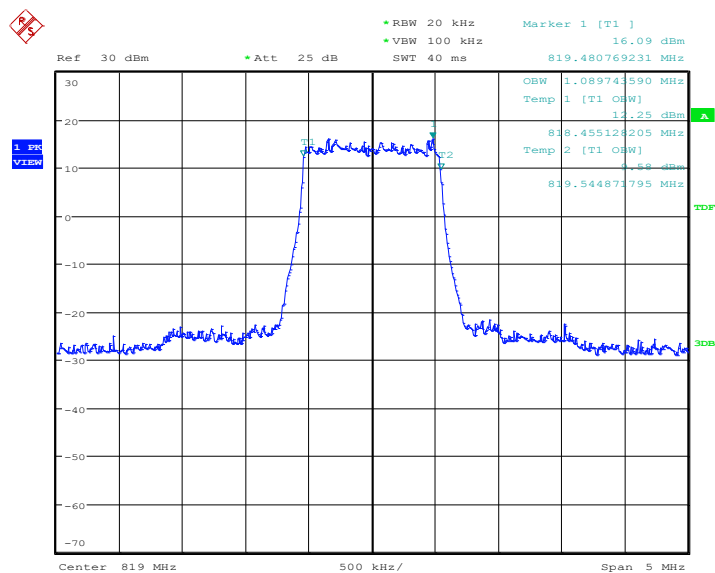
LTE band 12, 10MHz Bandwidth, 64QAM (99% BW)



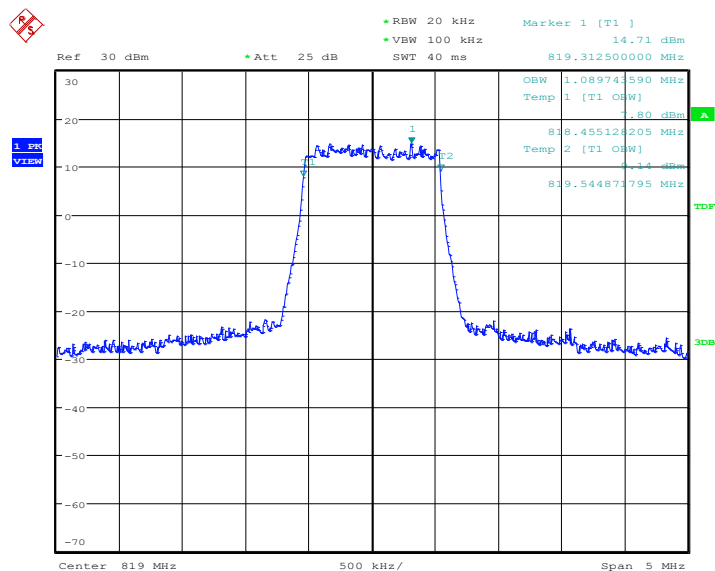
Date: 5.MAY.2021 13:08:50

LTE band 26(814MHz-824MHz), 1.4MHz (99% BW)

Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
819.0	QPSK	16QAM	64QAM
	1089.74	1089.74	1097.76

LTE band 26(814MHz-824MHz), 1.4MHz Bandwidth, QPSK (99% BW)


Date: 5.MAY.2021 10:27:46

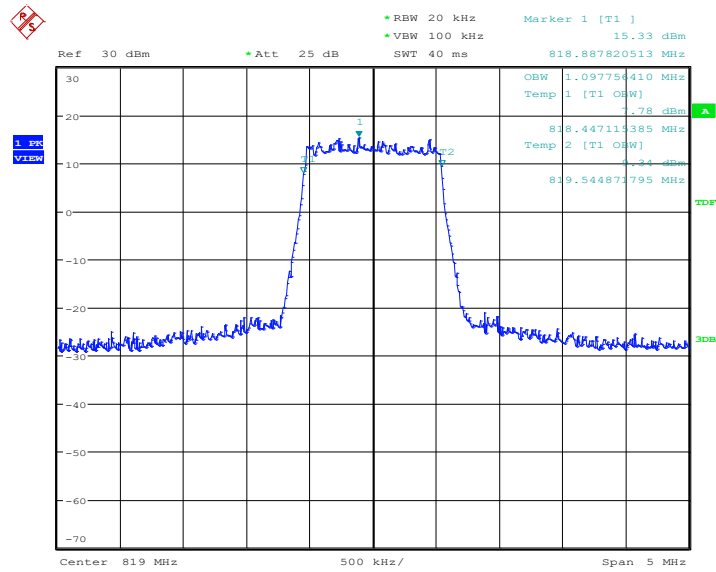
LTE band 26(814MHz-824MHz), 1.4MHz Bandwidth, 16QAM (99% BW)


Date: 5.MAY.2021 10:27:59



No. I21N01406-RF-LTE

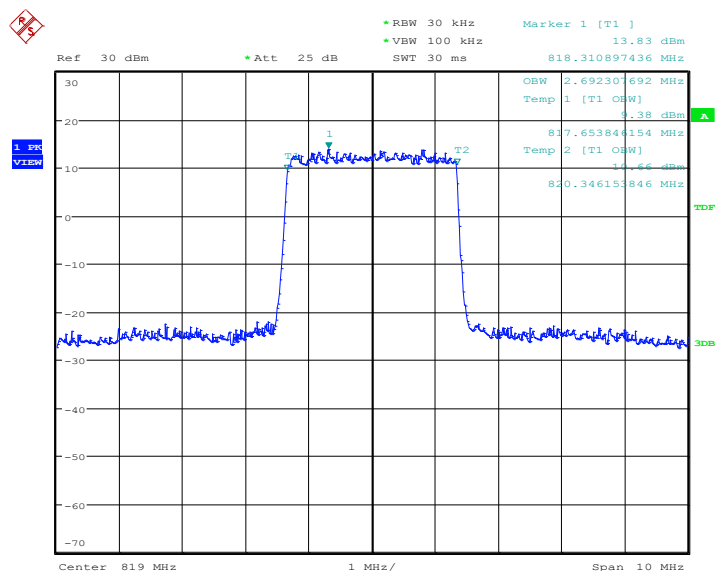
LTE band 26(814MHz-824MHz), 1.4MHz Bandwidth, 64QAM (99% BW)



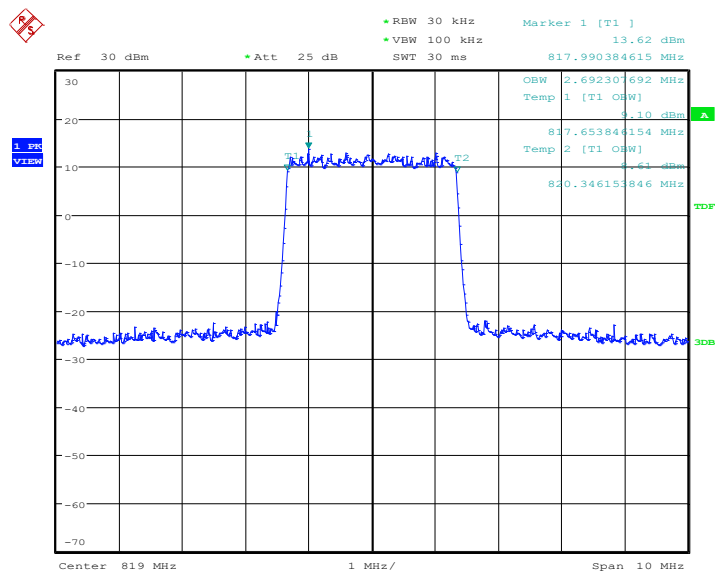
Date: 5.MAY.2021 13:36:41

LTE band 26(814MHz-824MHz), 3MHz (99% BW)

Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
819.0	QPSK	16QAM	64QAM
	2692.31	2692.31	2692.31

LTE band 26(814MHz-824MHz), 3MHz Bandwidth, QPSK (99% BW)


Date: 5.MAY.2021 10:30:03

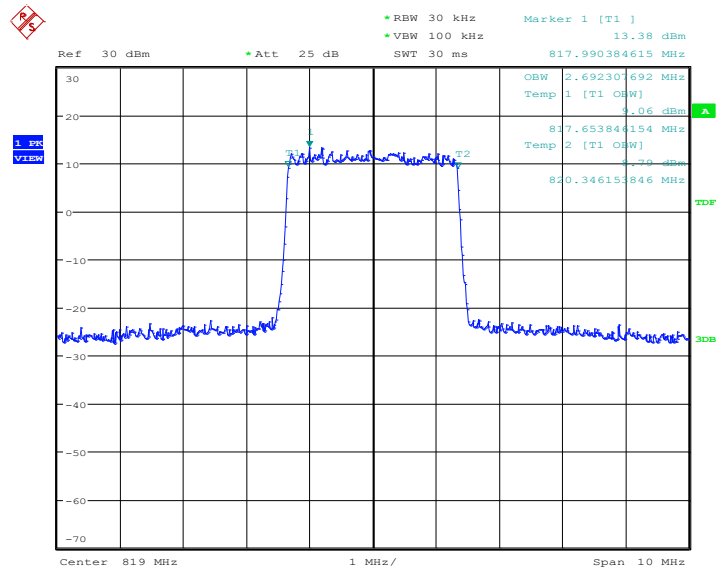
LTE band 26(814MHz-824MHz), 3MHz Bandwidth, 16QAM (99% BW)


Date: 5.MAY.2021 10:30:17



No. I21N01406-RF-LTE

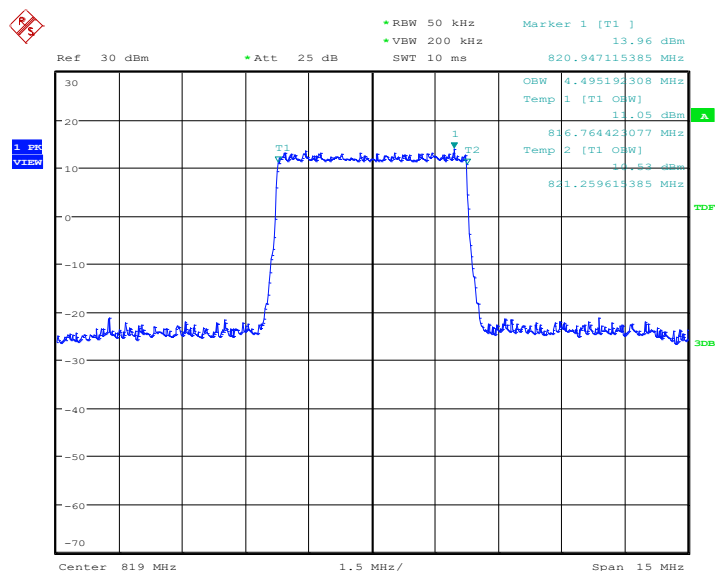
LTE band 26(814MHz-824MHz), 3MHz Bandwidth, 64QAM (99% BW)



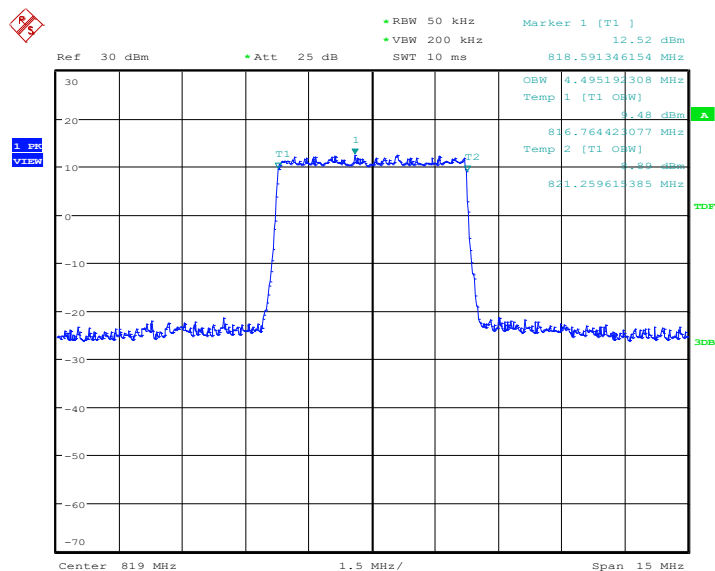
Date: 5.MAY.2021 13:38:29

LTE band 26(814MHz-824MHz), 5MHz (99% BW)

Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
819.0	QPSK	16QAM	64QAM
	4495.19	4495.19	4495.19

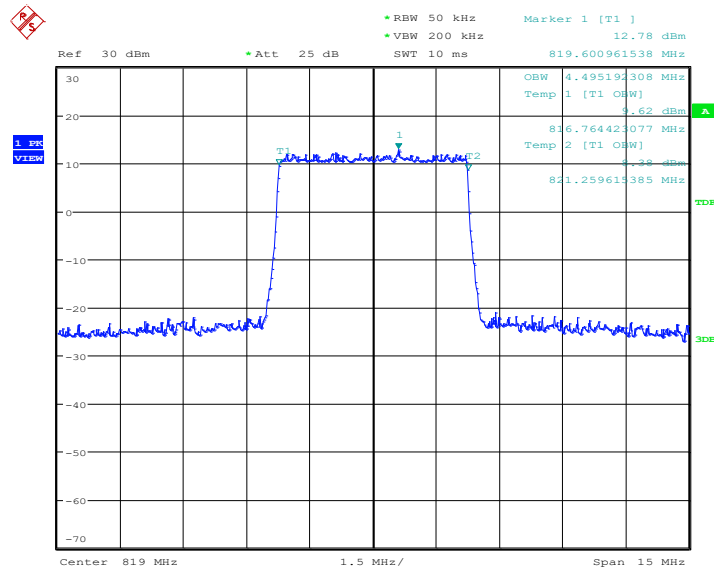
LTE band 26(814MHz-824MHz), 5MHz Bandwidth, QPSK (99% BW)


Date: 5.MAY.2021 10:32:21

LTE band 26(814MHz-824MHz), 5MHz Bandwidth,16QAM (99% BW)


Date: 5.MAY.2021 10:32:35

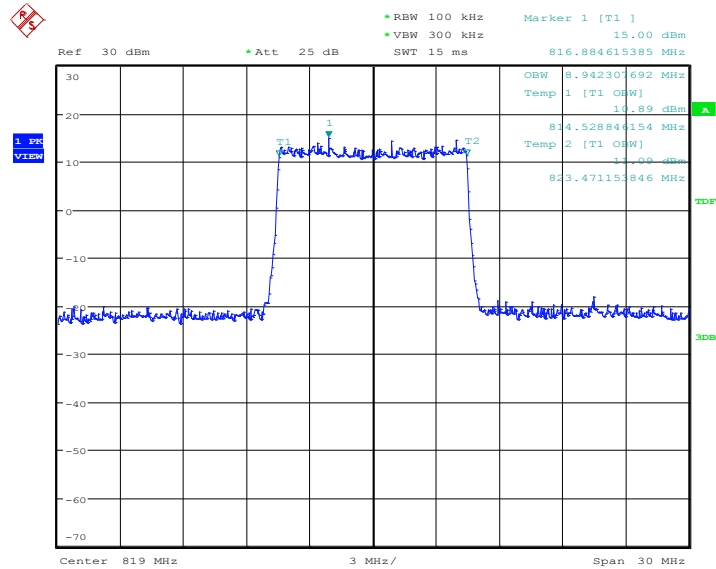
LTE band 26(814MHz-824MHz), 5MHz Bandwidth,64QAM (99% BW)



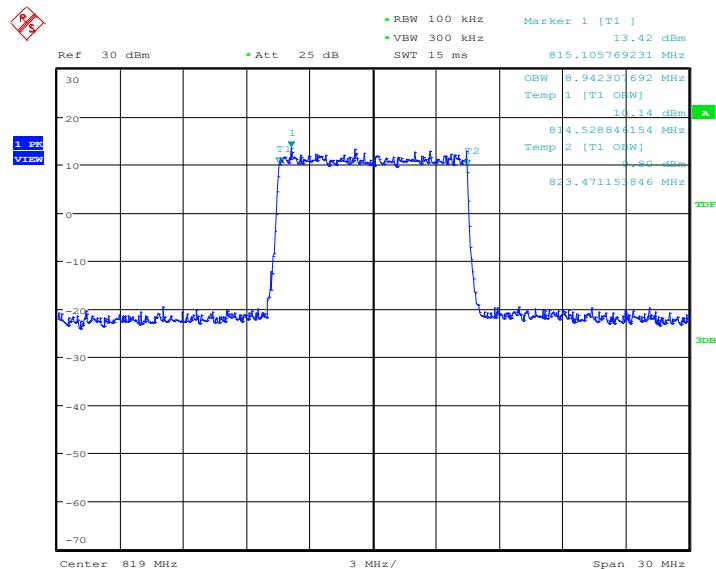
Date: 5.MAY.2021 13:40:17

LTE band 26(814MHz-824MHz), 10MHz (99% BW)

Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
819.0	QPSK	16QAM	64QAM
	8942.31	8942.31	8942.31

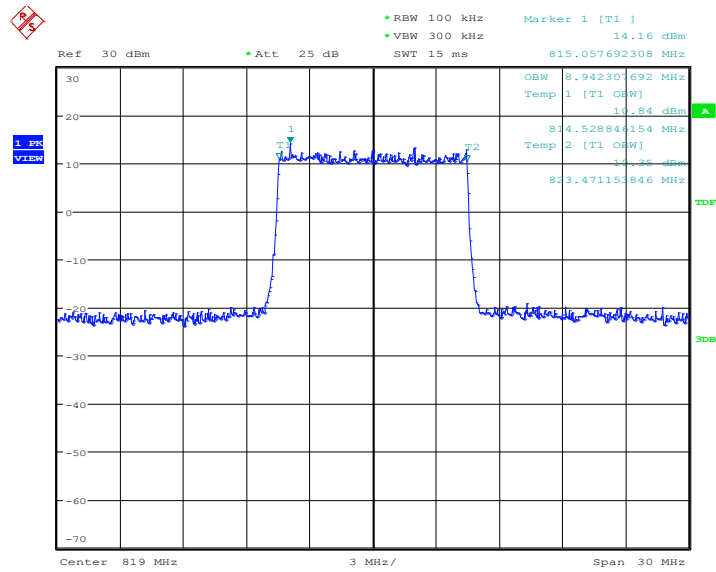
LTE band 26(814MHz-824MHz), 10MHz Bandwidth, QPSK (99% BW)


Date: 5.MAY.2021 10:34:39

LTE band 26(814MHz-824MHz), 10MHz Bandwidth, 16QAM (99% BW)


Date: 5.MAY.2021 10:34:53

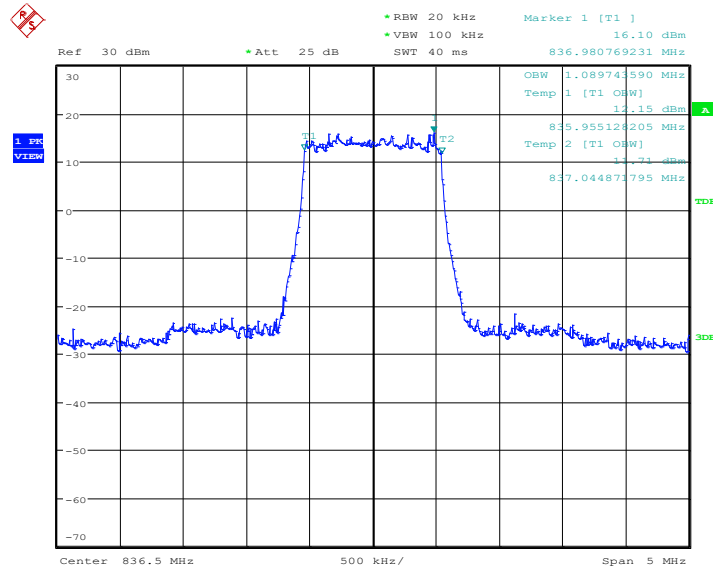
LTE band 26(814MHz-824MHz), 10MHz Bandwidth, 64QAM (99% BW)



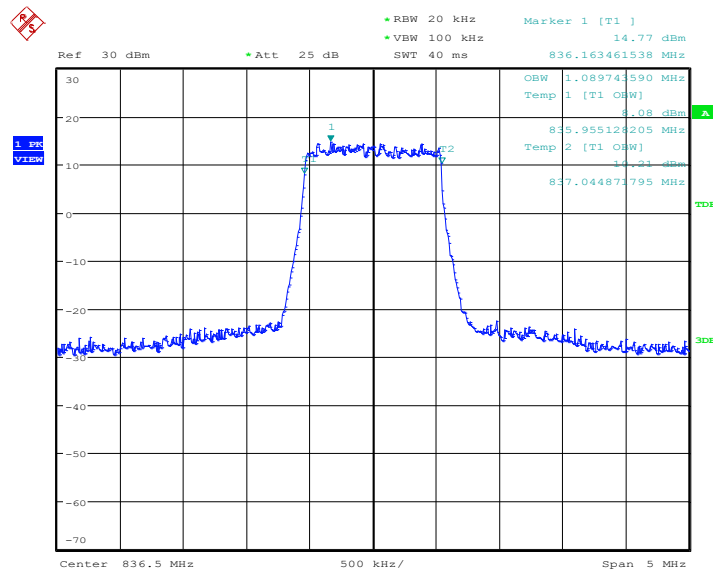
Date: 5.MAY.2021 13:42:05

LTE band 26(824MHz-849MHz), 1.4MHz (99% BW)

Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
836.5	QPSK	16QAM	64QAM
	1089.74	1089.74	1089.74

LTE band 26(824MHz-849MHz), 1.4MHz Bandwidth, QPSK (99% BW)


Date: 5.MAY.2021 10:16:15

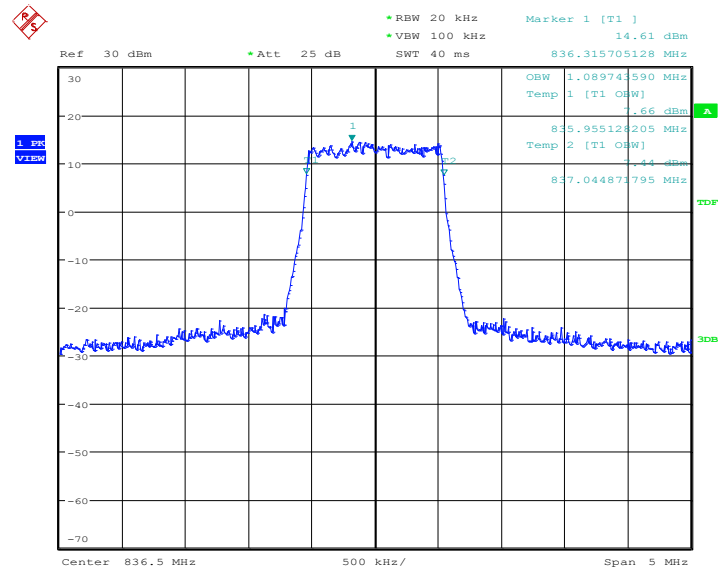
LTE band 26(824MHz-849MHz), 1.4MHz Bandwidth, 16QAM (99% BW)


Date: 5.MAY.2021 10:16:29



No. I21N01406-RF-LTE

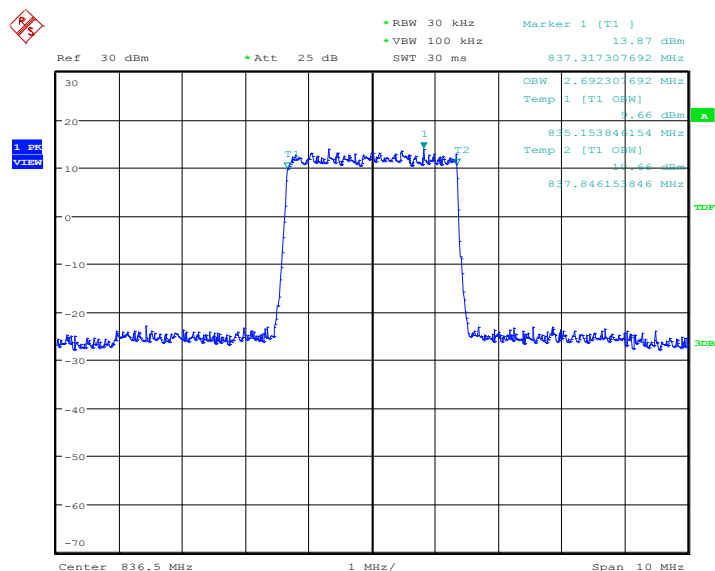
LTE band 26(824MHz-849MHz), 1.4MHz Bandwidth, 64QAM (99% BW)



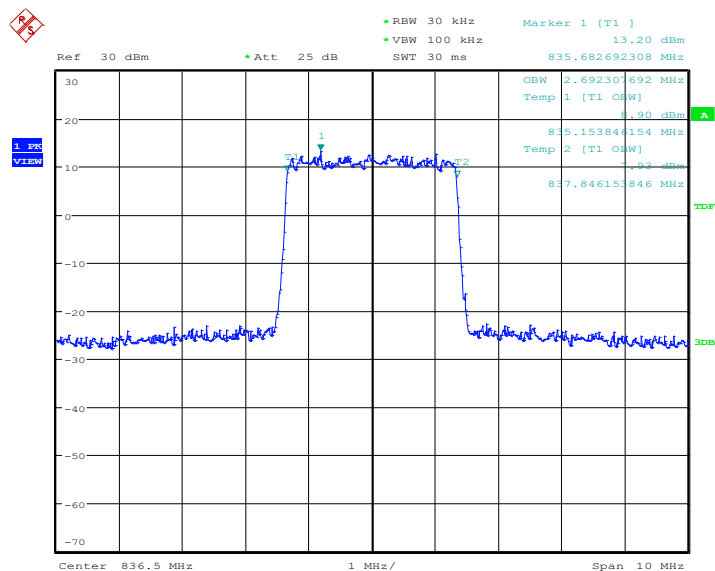
Date: 5.MAY.2021 13:27:05

LTE band 26(824MHz-849MHz), 3MHz (99% BW)

Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
836.5	QPSK	16QAM	64QAM
	2692.31	2692.31	2692.31

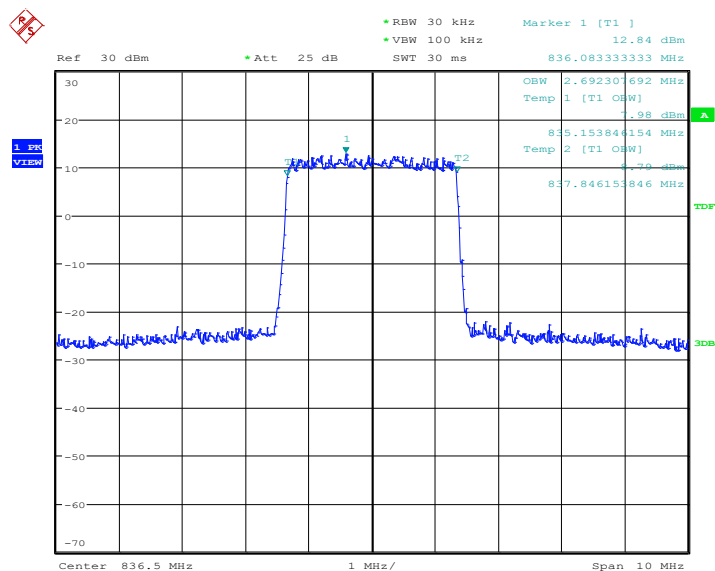
LTE band 26(824MHz-849MHz), 3MHz Bandwidth, QPSK (99% BW)


Date: 5.MAY.2021 10:18:33

LTE band 26(824MHz-849MHz), 3MHz Bandwidth, 16QAM (99% BW)


Date: 5.MAY.2021 10:18:47

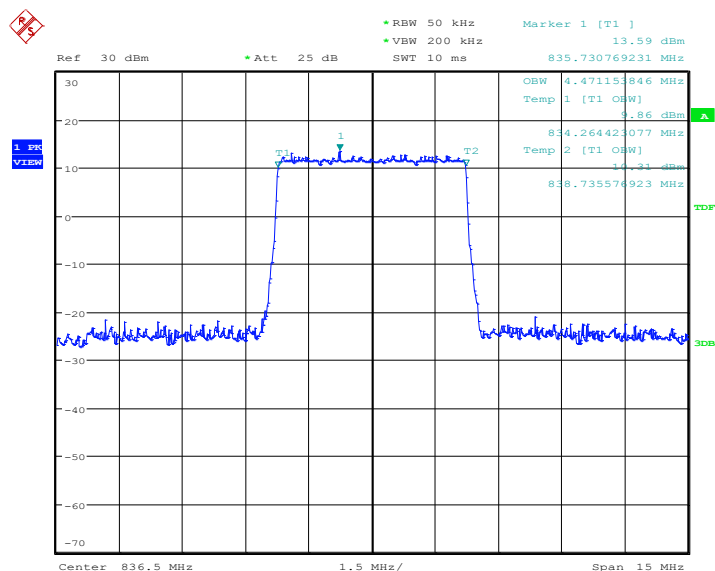
LTE band 26(824MHz-849MHz), 3MHz Bandwidth, 64QAM (99% BW)



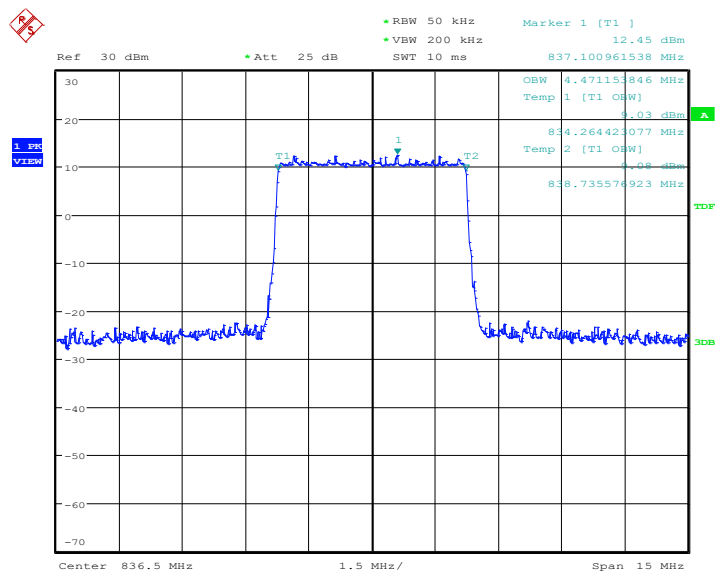
Date: 5.MAY.2021 13:28:53

LTE band 26(824MHz-849MHz), 5MHz (99% BW)

Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
836.5	QPSK	16QAM	64QAM
	4471.15	4471.15	4495.19

LTE band 26(824MHz-849MHz), 5MHz Bandwidth, QPSK (99% BW)


Date: 5.MAY.2021 10:20:51

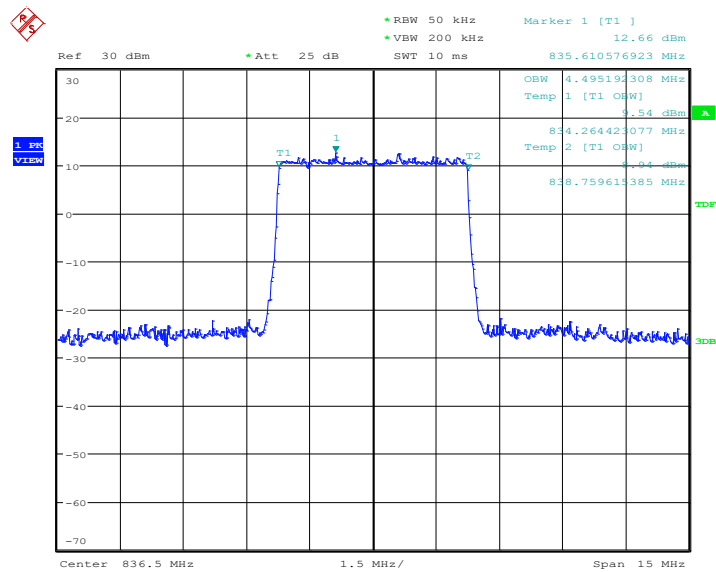
LTE band 26(824MHz-849MHz), 5MHz Bandwidth,16QAM (99% BW)


Date: 5.MAY.2021 10:21:04



No. I21N01406-RF-LTE

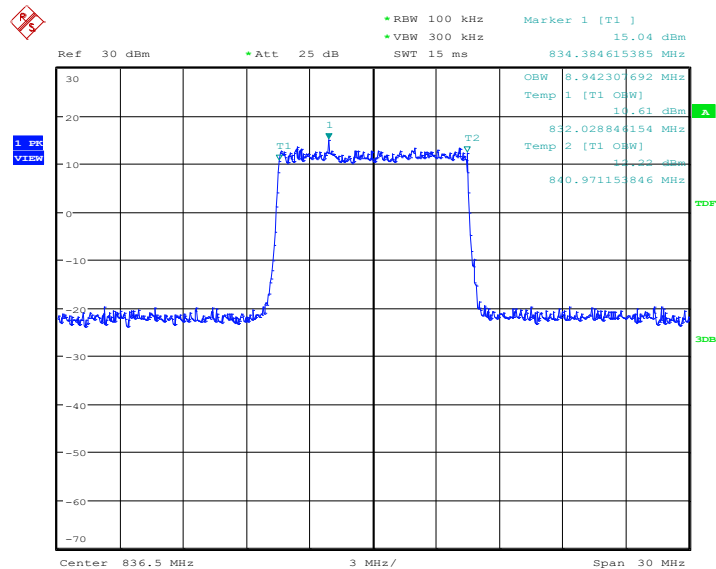
LTE band 26(824MHz-849MHz), 5MHz Bandwidth,64QAM (99% BW)



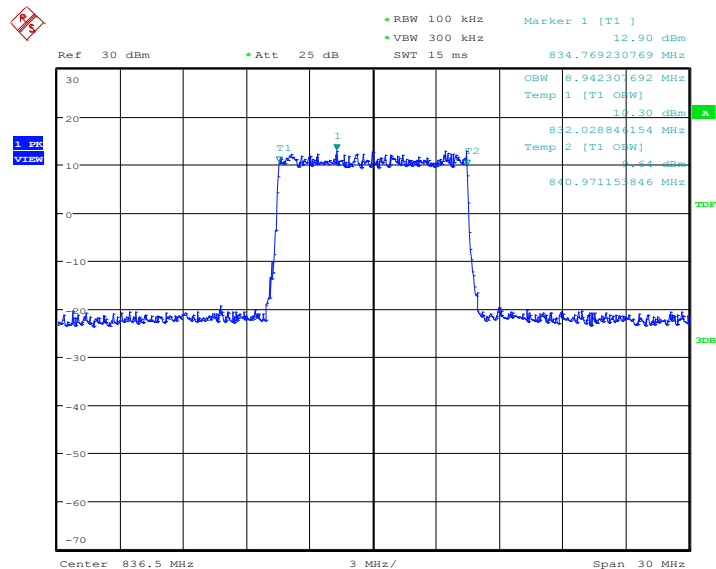
Date: 5.MAY.2021 13:30:42

LTE band 26(824MHz-849MHz), 10MHz (99% BW)

Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
836.5	QPSK	16QAM	64QAM
	8942.31	8942.31	8942.31

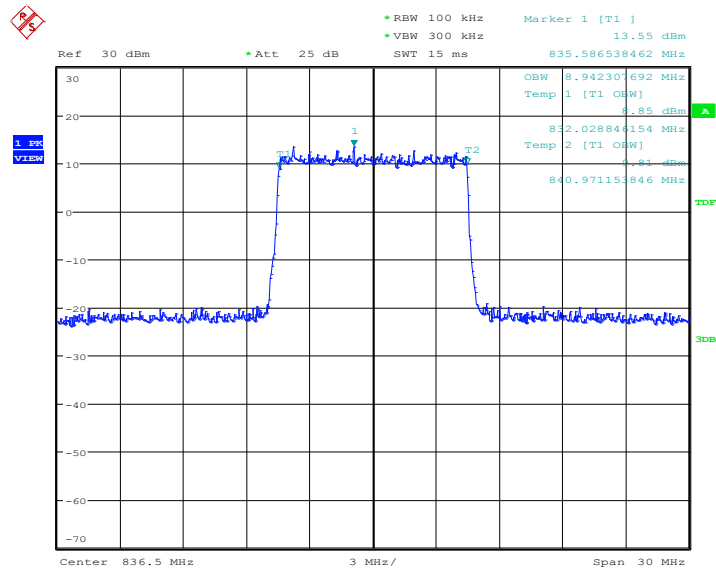
LTE band 26(824MHz-849MHz), 10MHz Bandwidth, QPSK (99% BW)


Date: 5.MAY.2021 10:23:08

LTE band 26(824MHz-849MHz), 10MHz Bandwidth, 16QAM (99% BW)


Date: 5.MAY.2021 10:23:22

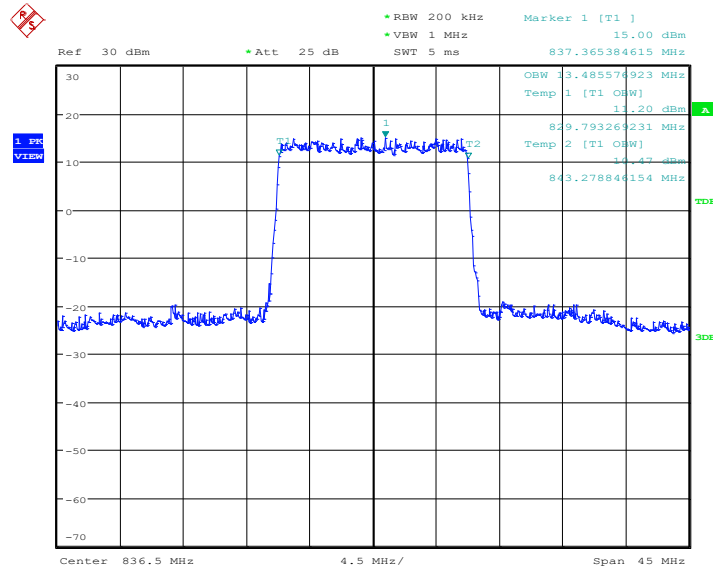
LTE band 26(824MHz-849MHz), 10MHz Bandwidth, 64QAM (99% BW)



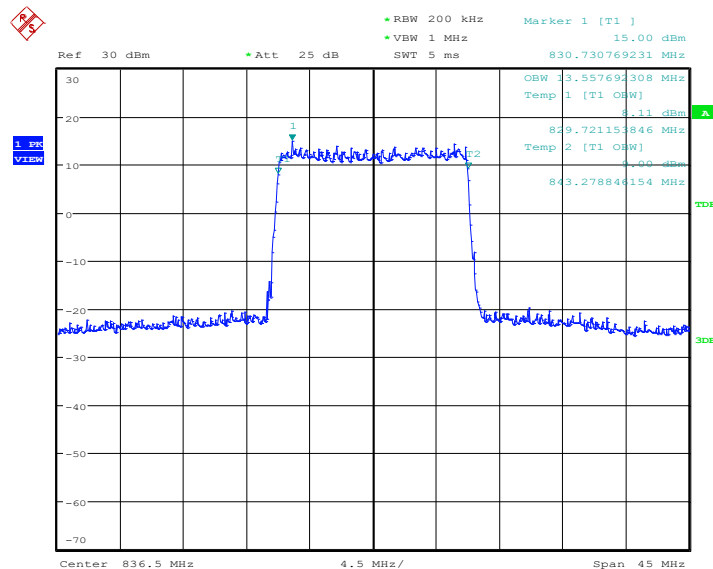
Date: 5.MAY.2021 13:32:30

LTE band 26(824MHz-849MHz), 15MHz (99% BW)

Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
836.5	QPSK	16QAM	64QAM
	13485.58	13557.69	13485.58

LTE band 26(824MHz-849MHz), 15MHz Bandwidth, QPSK (99% BW)


Date: 5.MAY.2021 10:25:26

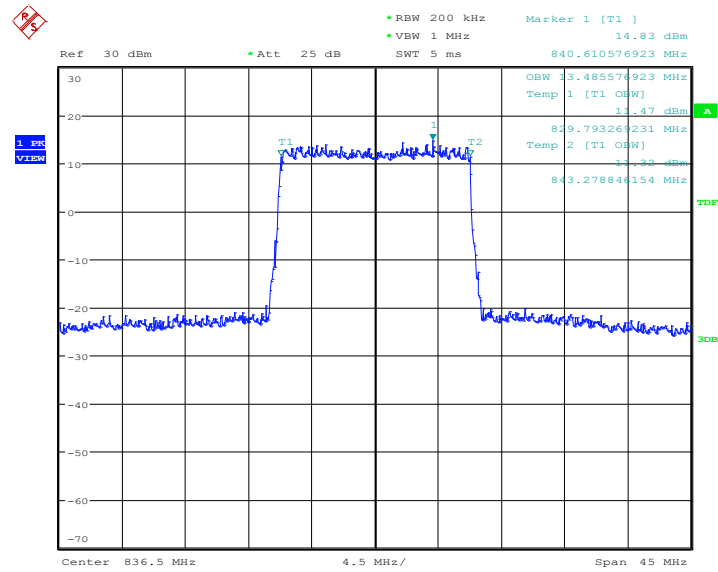
LTE band 26(824MHz-849MHz), 15MHz Bandwidth, 16QAM (99% BW)


Date: 5.MAY.2021 10:25:40



No. I21N01406-RF-LTE

LTE band 26(824MHz-849MHz), 15MHz Bandwidth, 64QAM (99% BW)

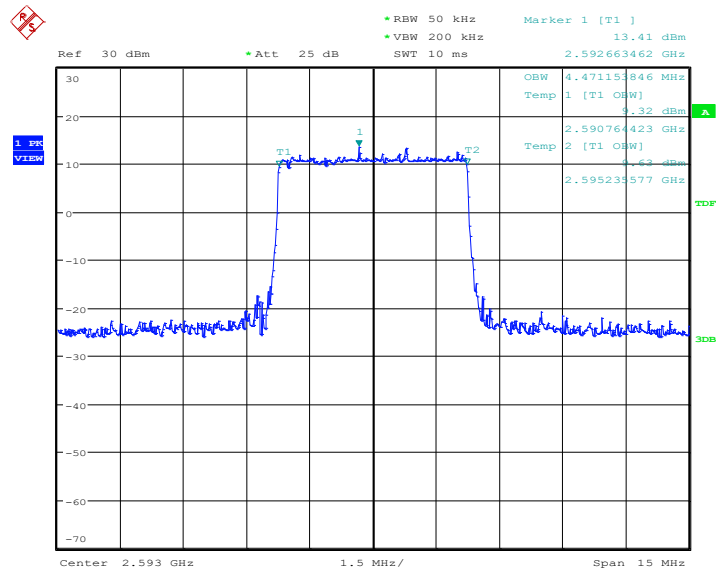


Date: 5.MAY.2021 13:34:18

LTE band 41, 5MHz (99% BW)

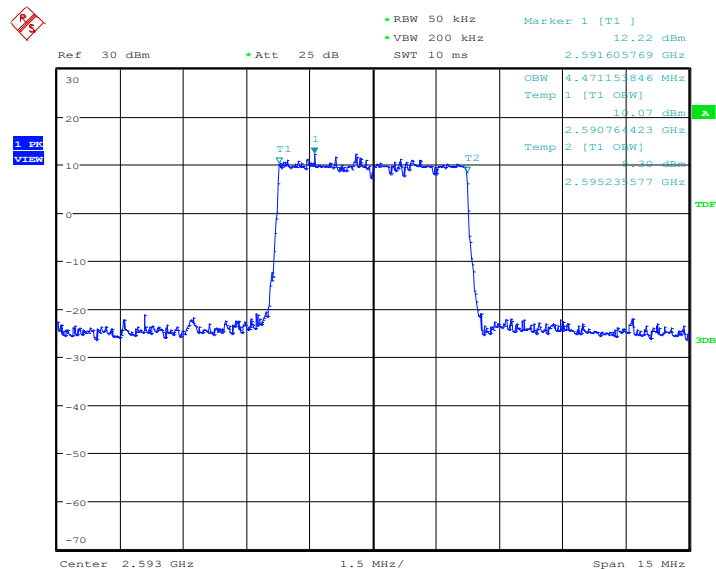
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	4471.15	4471.15	4471.15

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



Date: 5.MAY.2021 10:00:07

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

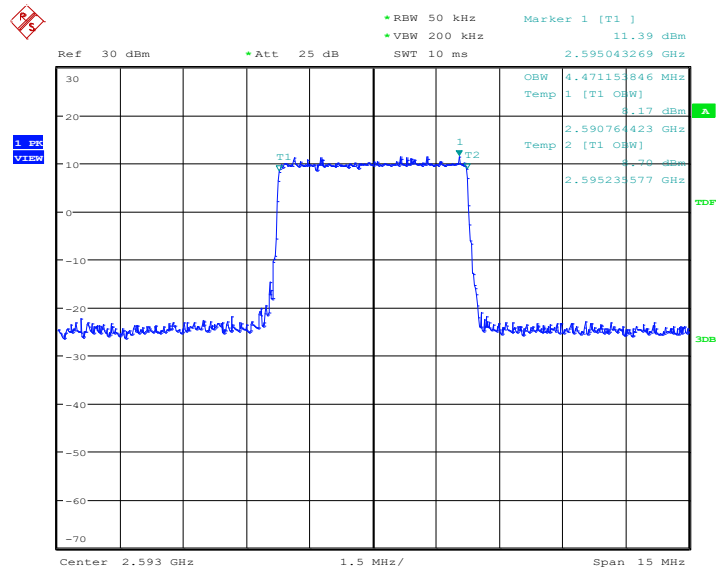


Date: 5.MAY.2021 10:00:21



No. I21N01406-RF-LTE

LTE band 41, 5MHz Bandwidth, 64QAM (99% BW)

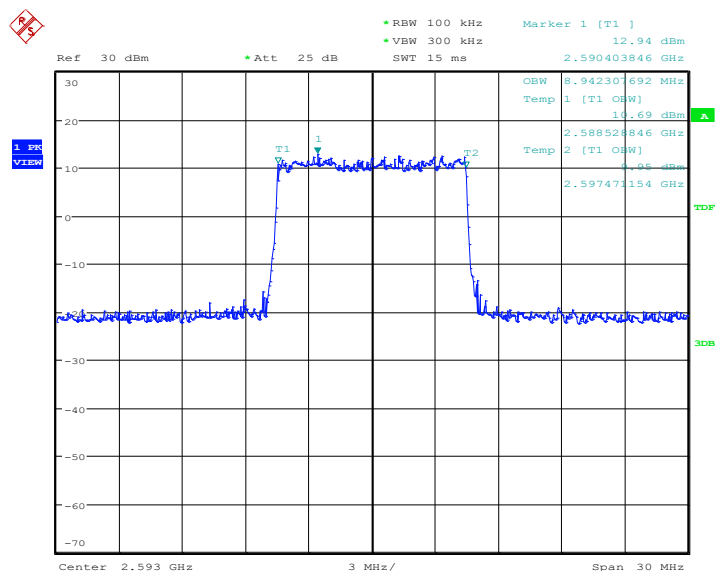


Date: 5.MAY.2021 13:14:24

LTE band 41, 10MHz (99% BW)

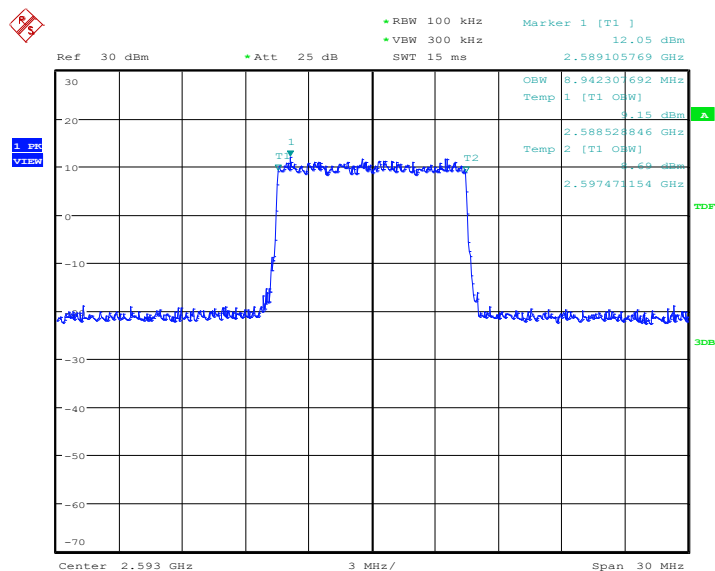
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	8942.31	8942.31	8942.31

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



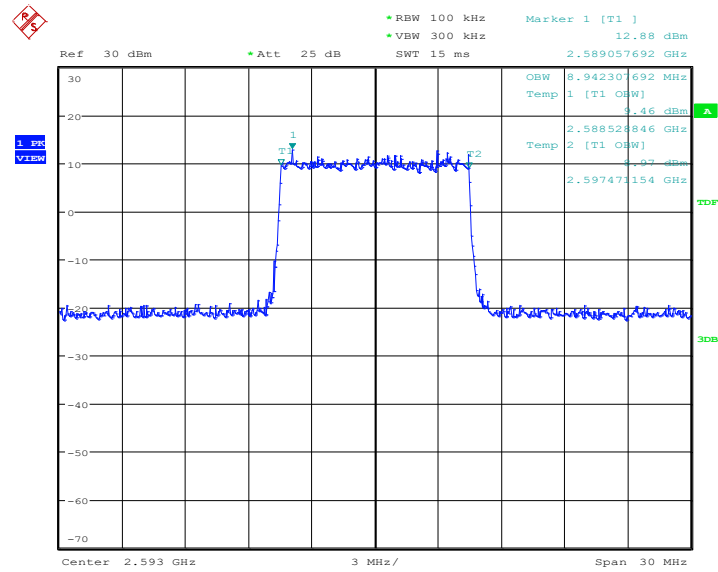
Date: 5.MAY.2021 10:02:25

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



Date: 5.MAY.2021 10:02:38

LTE band 41, 10MHz Bandwidth, 64QAM (99% BW)

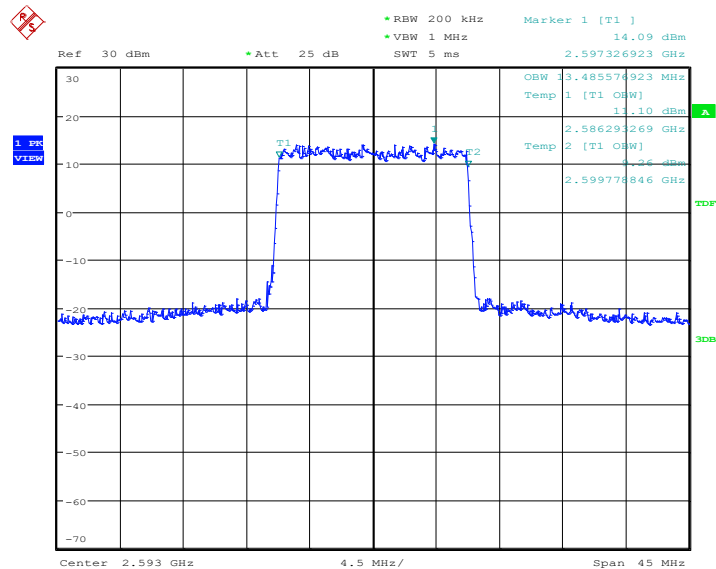


Date: 5.MAY.2021 13:16:12

LTE band 41, 15MHz (99% BW)

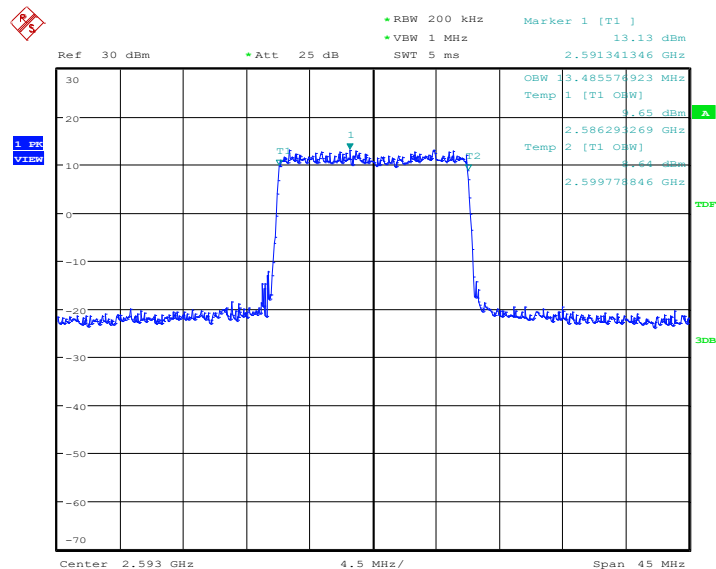
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	13485.58	13485.58	13485.58

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



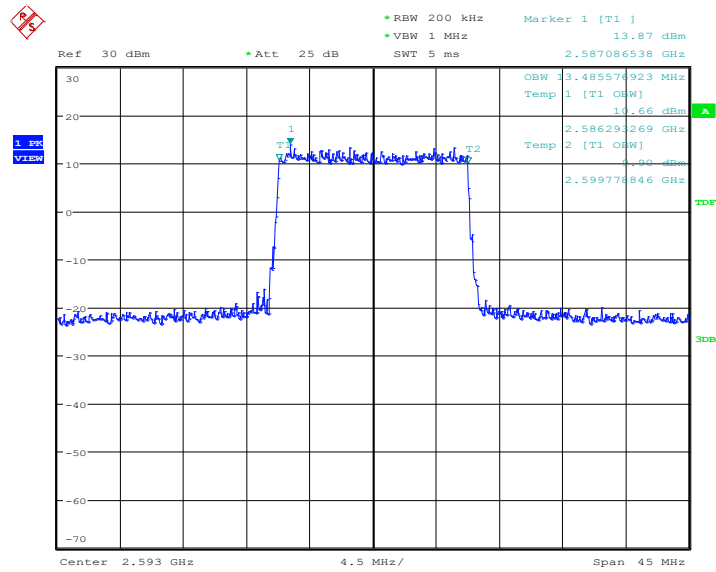
Date: 5.MAY.2021 10:04:43

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



Date: 5.MAY.2021 10:04:56

LTE band 41, 15MHz Bandwidth, 64QAM (99% BW)

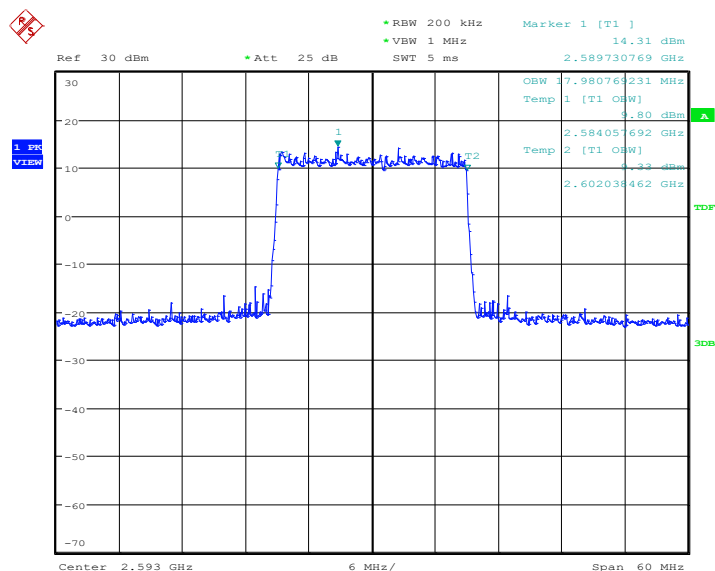


Date: 5.MAY.2021 13:18:00

LTE band 41, 20MHz (99% BW)

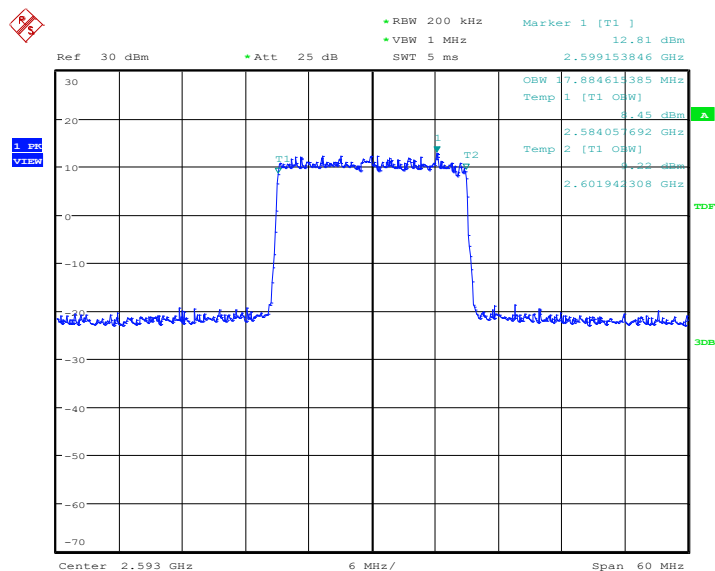
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	17980.77	17884.62	17884.62

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



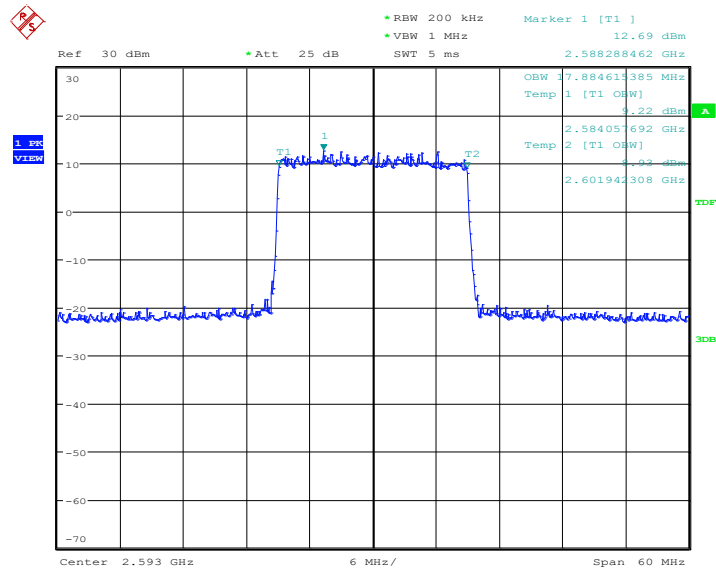
Date: 5.MAY.2021 10:07:00

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



Date: 5.MAY.2021 10:07:14

LTE band 41, 20MHz Bandwidth, 64QAM (99% BW)

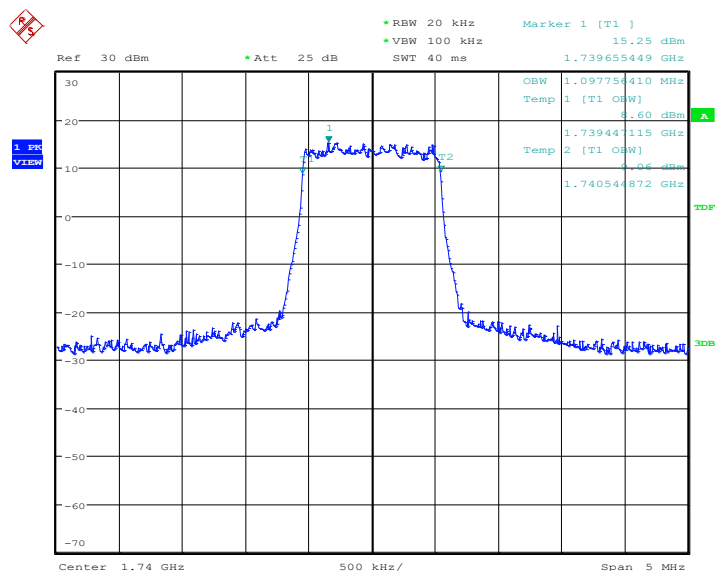


Date: 5.MAY.2021 13:19:48

LTE band 66, 1.4MHz (99% BW)

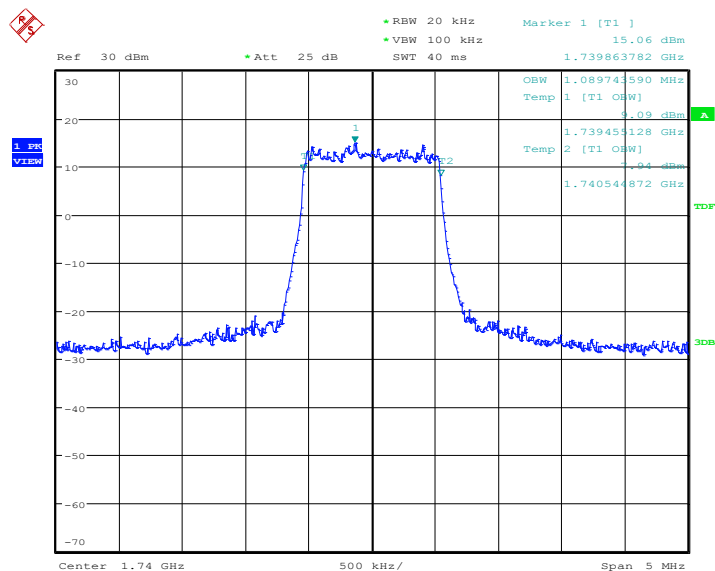
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
1740.0	QPSK	16QAM	64QAM
	1097.76	1089.74	1089.74

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



Date: 12.MAY.2021 16:38:22

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

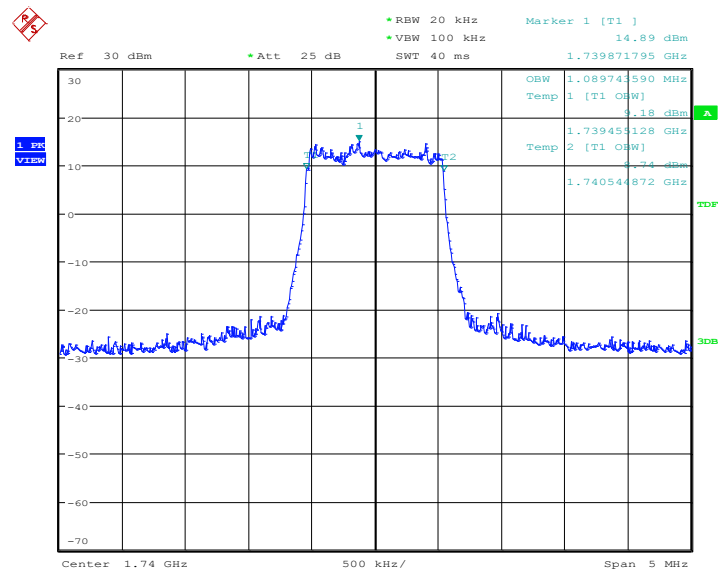


Date: 12.MAY.2021 16:38:49



No. I21N01406-RF-LTE

LTE band 66, 1.4MHz Bandwidth, 64QAM (99% BW)

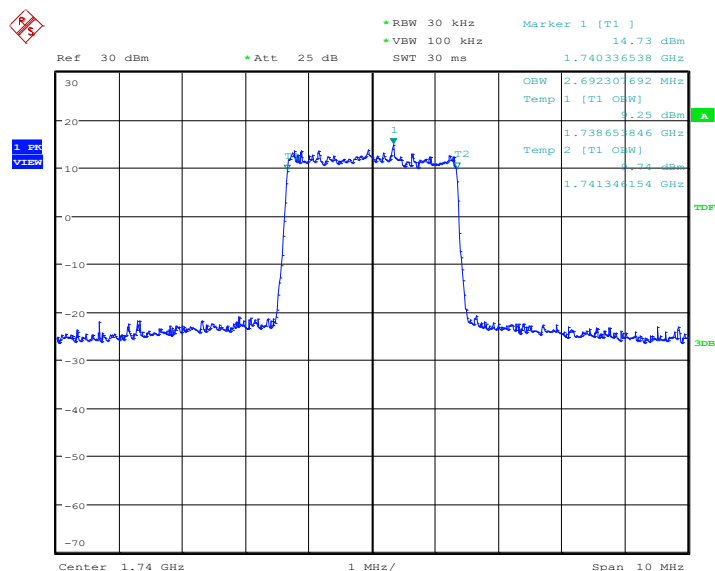


Date: 12.MAY.2021 16:39:05

LTE band 66, 3MHz (99% BW)

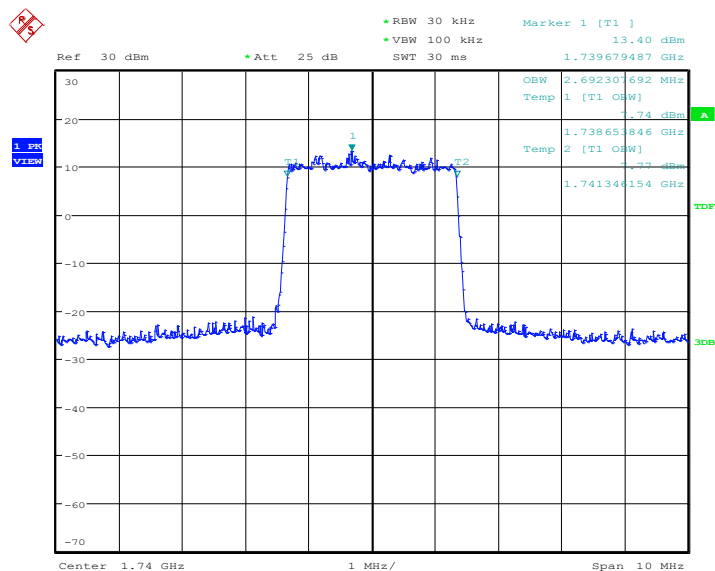
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
1740.0	QPSK	16QAM	64QAM
	2692.31	2692.31	2692.31

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



Date: 12.MAY.2021 16:44:31

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

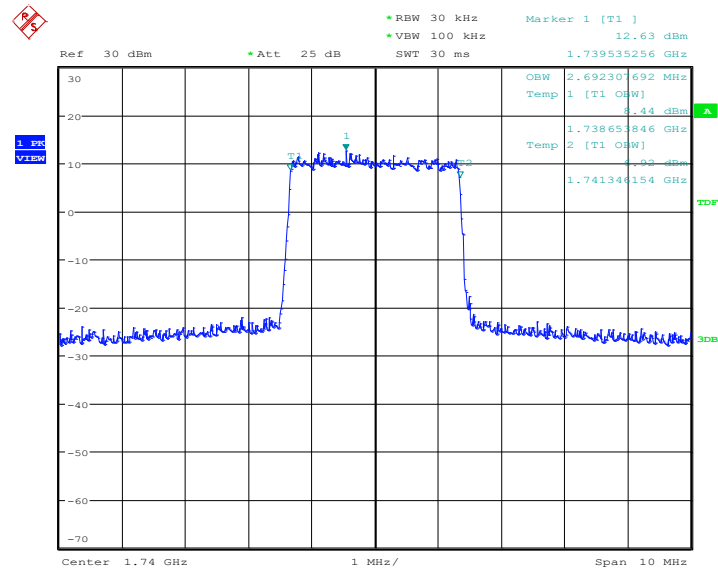


Date: 12.MAY.2021 16:43:42



No. I21N01406-RF-LTE

LTE band 66, 3MHz Bandwidth, 64QAM (99% BW)

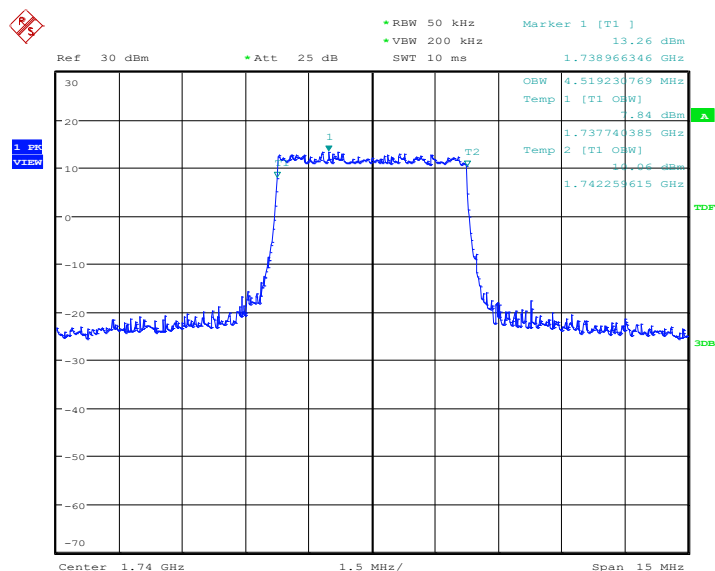


Date: 12.MAY.2021 16:43:20

LTE band 66, 5MHz (99% BW)

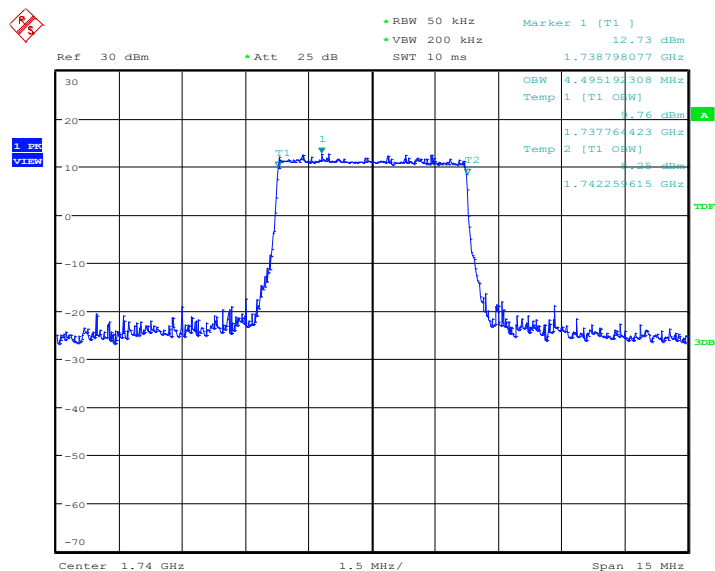
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
1740.0	QPSK	16QAM	64QAM
	4519.23	4495.19	4471.15

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



Date: 12.MAY.2021 16:46:10

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

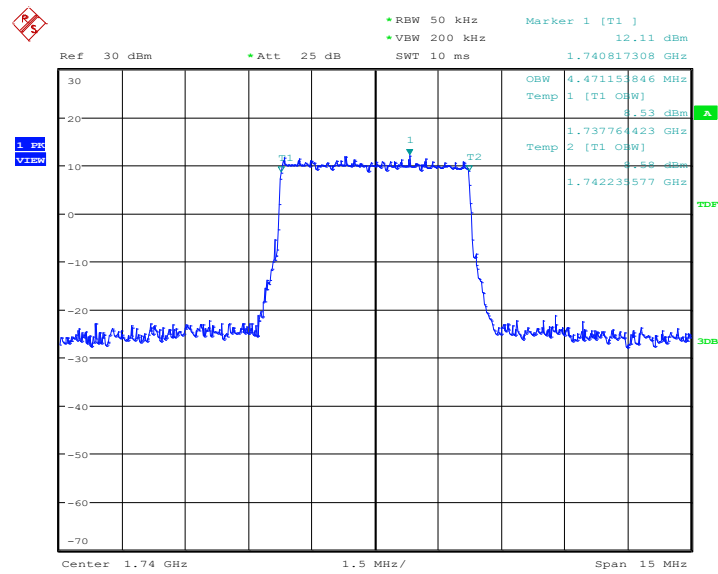


Date: 12.MAY.2021 16:46:27



No. I21N01406-RF-LTE

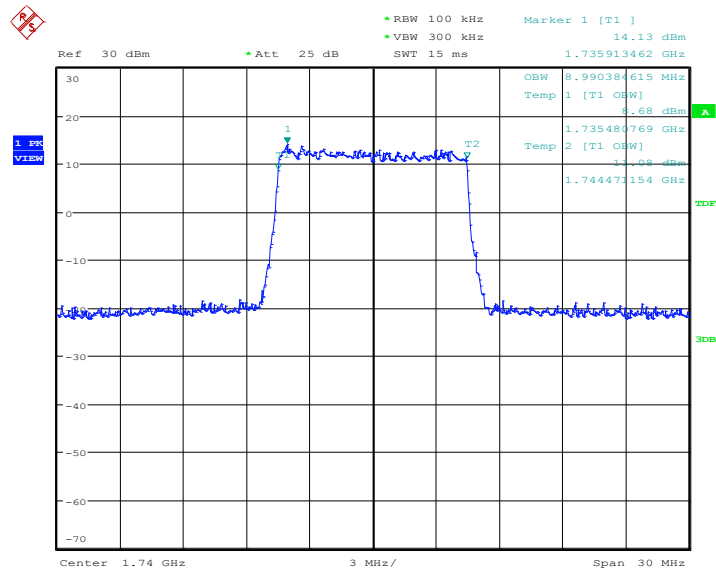
LTE band 66, 5MHz Bandwidth, 64QAM (99% BW)



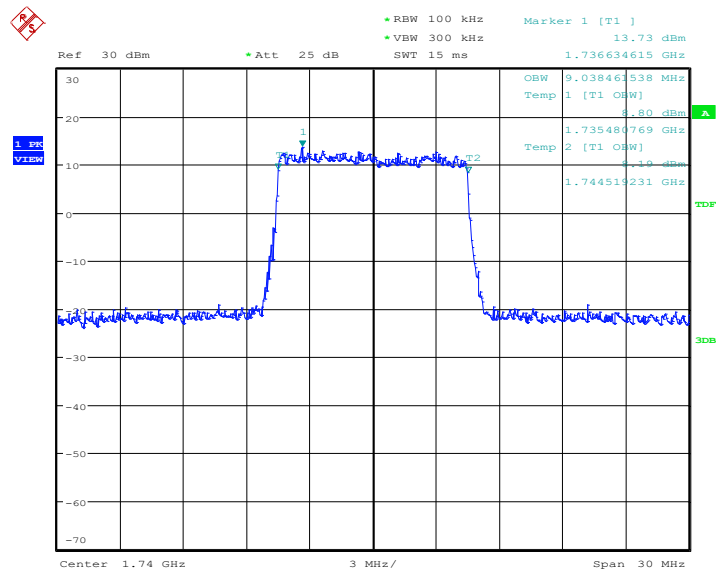
Date: 12.MAY.2021 16:47:26

LTE band 66, 10MHz (99% BW)

Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
1740.0	QPSK	16QAM	64QAM
	8990.38	9038.46	8990.38

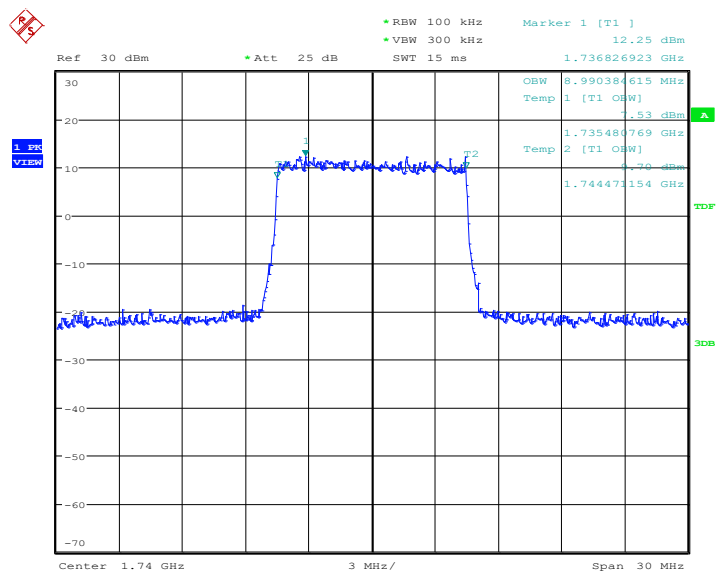
LTE band 66, 10MHz Bandwidth, QPSK (99% BW)


Date: 12.MAY.2021 16:57:43

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


Date: 12.MAY.2021 16:58:15

LTE band 66, 10MHz Bandwidth, 64QAM (99% BW)

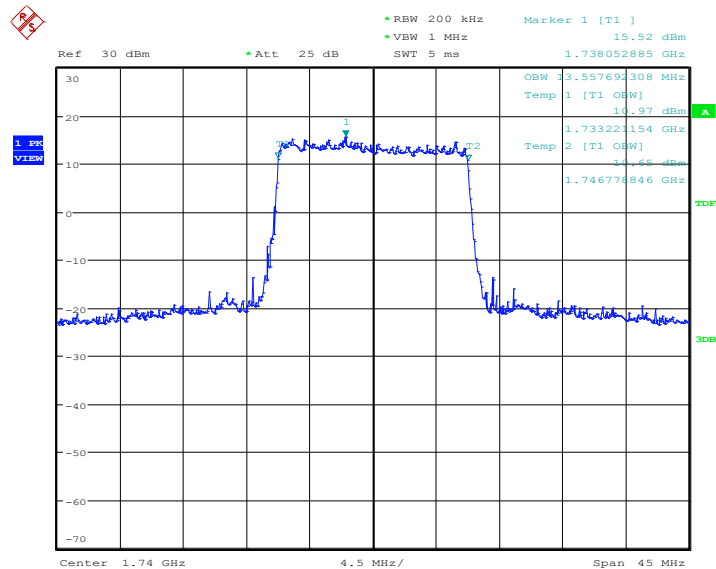


Date: 12.MAY.2021 16:56:42

LTE band 66, 15MHz (99% BW)

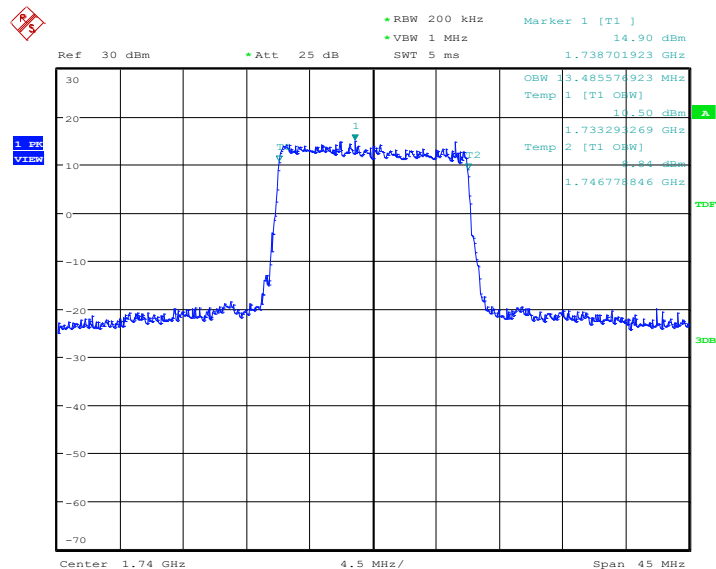
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
1740.0	QPSK	16QAM	64QAM
	13557.69	13485.58	13557.69

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



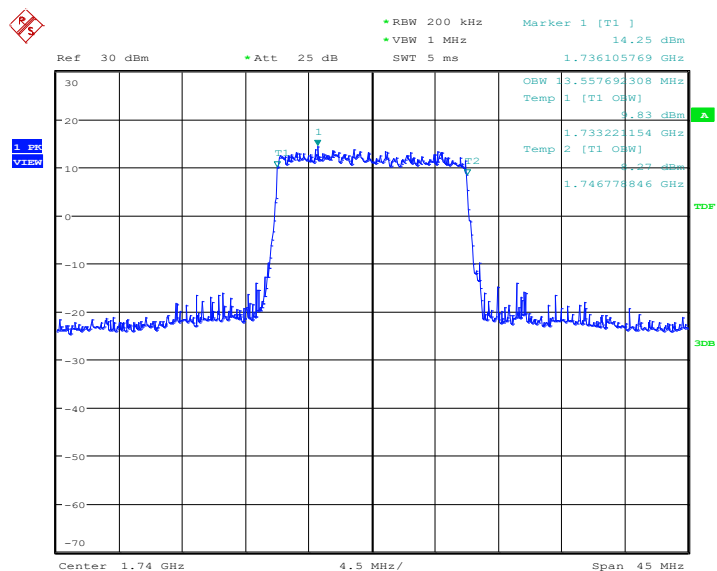
Date: 12.MAY.2021 17:00:14

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



Date: 12.MAY.2021 17:00:32

LTE band 66, 15MHz Bandwidth, 64QAM (99% BW)

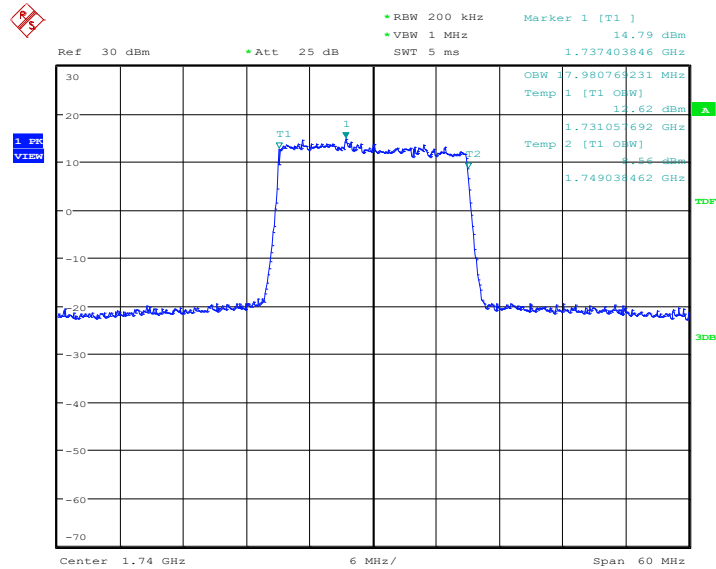


Date: 12.MAY.2021 17:00:54

LTE band 66, 20MHz (99% BW)

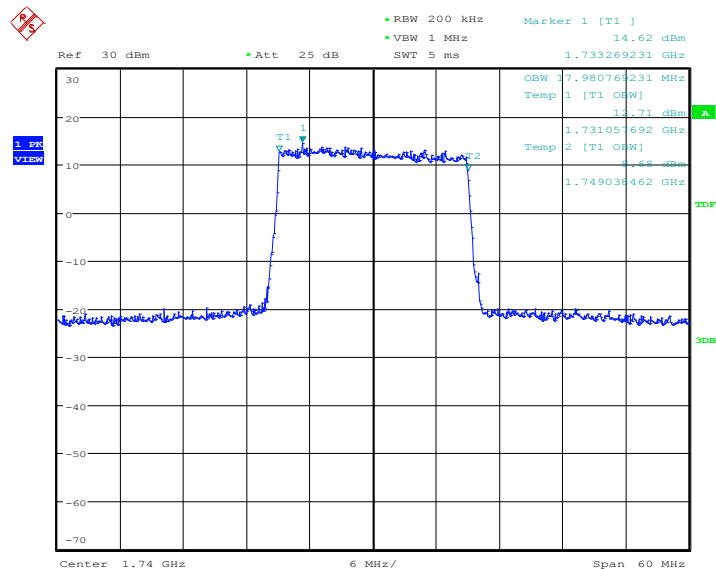
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
1740.0	QPSK	16QAM	64QAM
	17980.77	17980.77	17980.77

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



Date: 12.MAY.2021 17:07:30

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

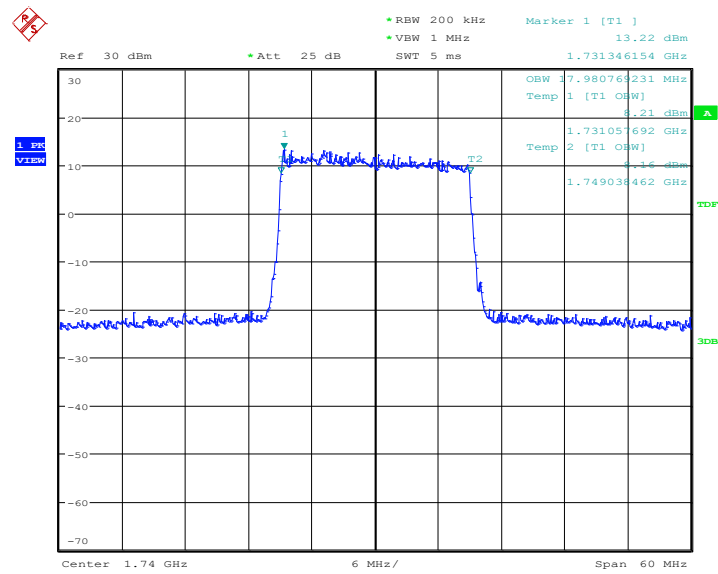


Date: 12.MAY.2021 17:08:31

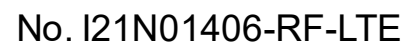


No. I21N01406-RF-LTE

LTE band 66, 20MHz Bandwidth, 64QAM (99% BW)



Date: 12.MAY.2021 17:05:57



Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2535.0	QPSK	16QAM	64QAM
	23717.95	23717.95	23717.95

• RBW 1 MHz
 • VBW 3 MHz
 • Att 20 dB
 • SWT 2.5 ms

Ref 25 dBm
 Marker 1 [T1] 21.66 dBm
 2.526746795 GHz

1.99%
 VIEW

OBW 23.71794718 MHz
 1 [T1] OBW 11.70 dBm
 2.523060897 GHz
 Temp 2 [T1] OBW 14.98 dBm
 2.546778846 GHz

Center 2.535 GHz
 Span 50 MHz

1 dBc V1BW

Ref 25 dBm Att 20 dB RBW 1 MHz VBW 3 MHz SWT 2.5 ms

Marker 1 [T1] 21.58 dBm 2.526586538 GHz

OBW 3.71794718 MHz

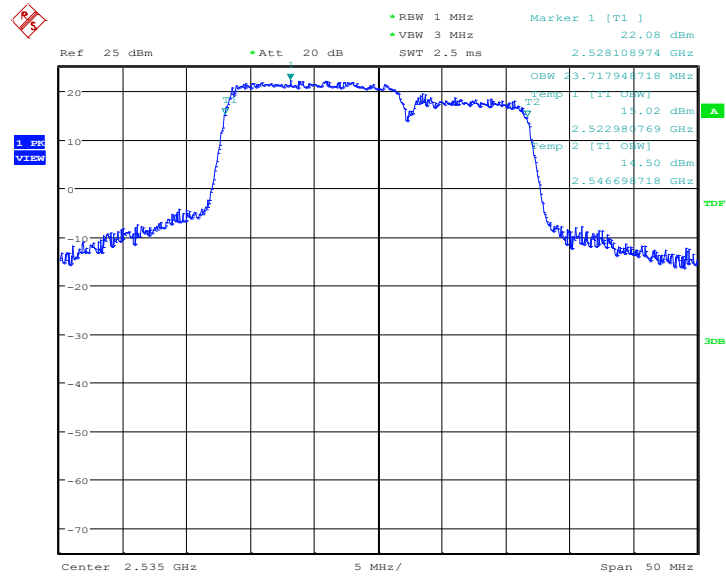
Temp 1 [T1 OBW] 14.23 dBm 2.522980769 GHz

Temp 2 [T1 OBW] 13.57 dBm 2.546698718 GHz

Center 2.535 GHz 5 MHz/ Span 50 MHz

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LTE Band CA_7C, 15MHz+10MHz Bandwidth, 64QAM (99% BW)

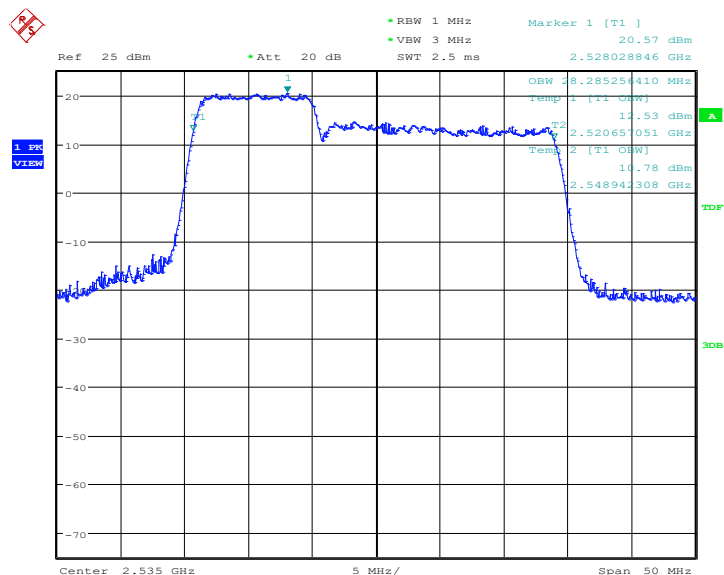


Date: 29.MAY.2021 07:58:49

LTE Band CA_7C, 10MHz+20MHz (99% BW)

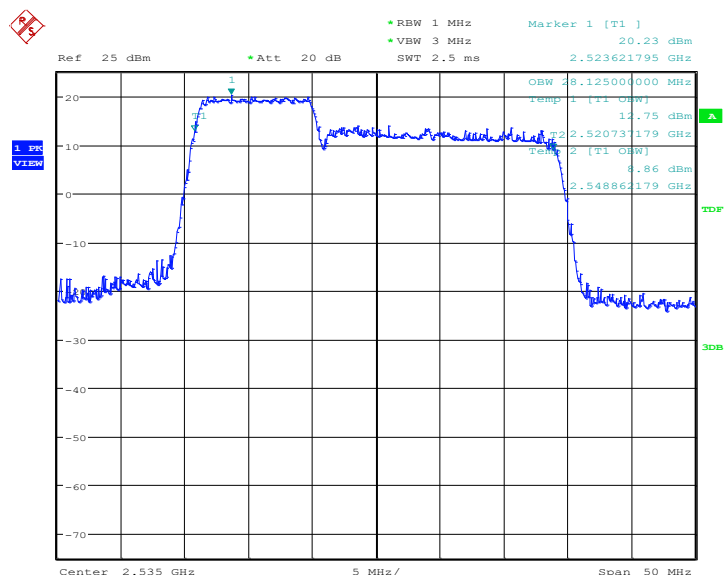
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2535.0	QPSK	16QAM	64QAM
	28285.26	28125.00	28044.87

LTE Band CA_7C, 10MHz+20MHz Bandwidth, QPSK (99% BW)



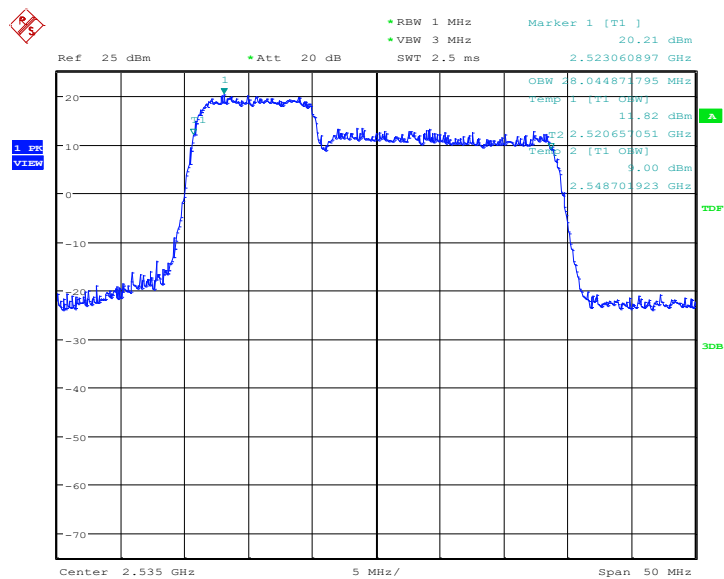
Date: 29.MAY.2021 08:03:50

LTE Band CA_7C, 10MHz+20MHz Bandwidth, 16QAM (99% BW)



Date: 29.MAY.2021 08:04:11

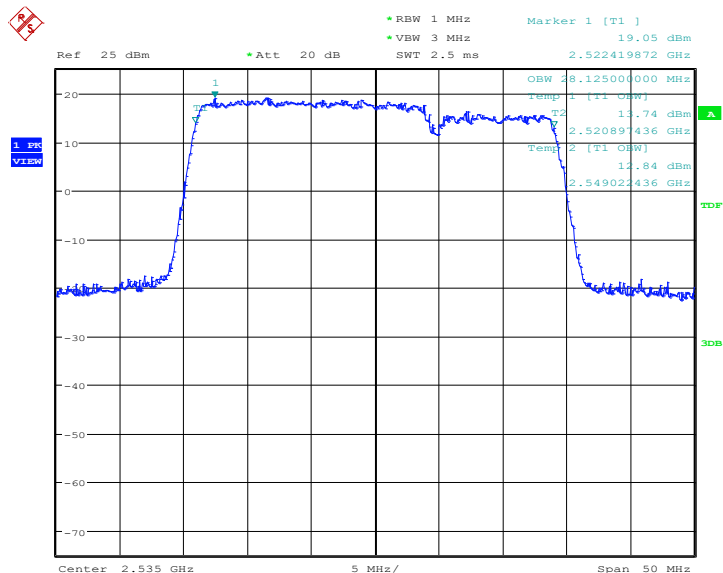
LTE Band CA_7C, 10MHz+20MHz Bandwidth, 64QAM (99% BW)



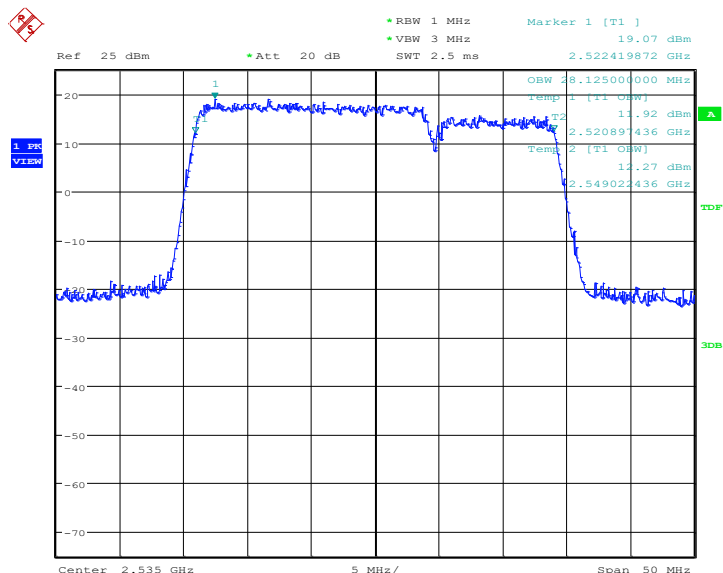
Date: 29.MAY.2021 08:04:42

LTE Band CA_7C, 20MHz+10MHz (99% BW)

Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2535.0	QPSK	16QAM	64QAM
	28125.00	28125.00	28125.00

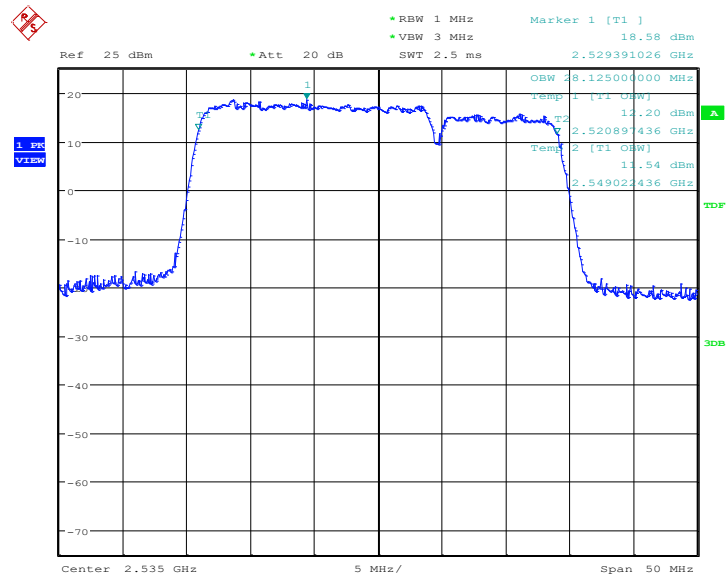
LTE Band CA_7C, 20MHz+10MHz Bandwidth, QPSK (99% BW)


Date: 29.MAY.2021 08:07:26

LTE Band CA_7C, 20MHz+10MHz Bandwidth, 16QAM (99% BW)


Date: 29.MAY.2021 08:07:42

LTE Band CA_7C, 20MHz+10MHz Bandwidth, 64QAM (99% BW)

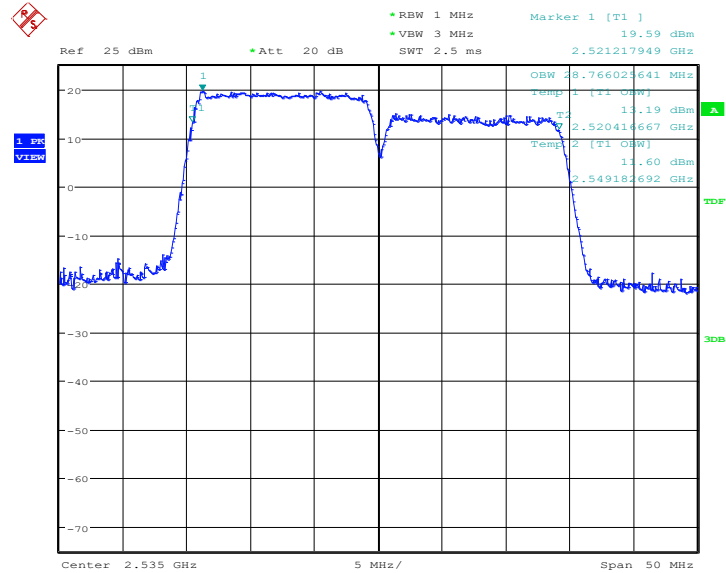


Date: 29.MAY.2021 08:06:50

LTE Band CA_7C, 15MHz+15MHz (99% BW)

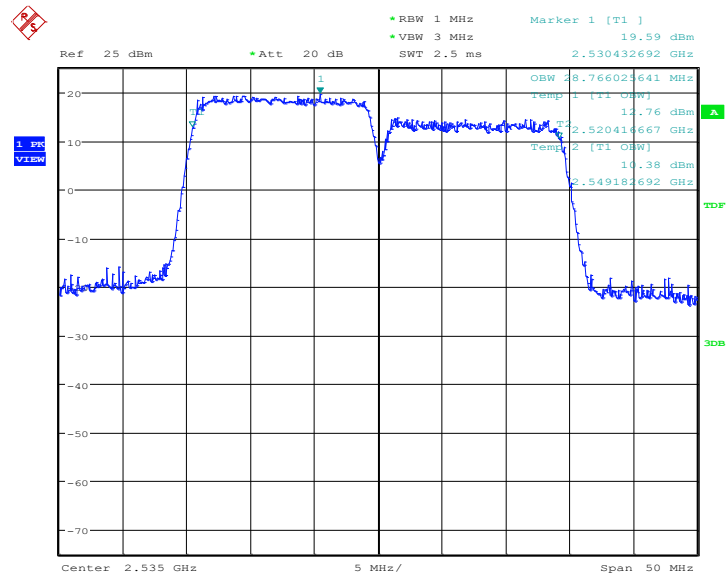
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2535.0	QPSK	16QAM	64QAM
	28766.03	28766.03	28685.90

LTE Band CA_7C, 15MHz+15MHz Bandwidth, QPSK (99% BW)



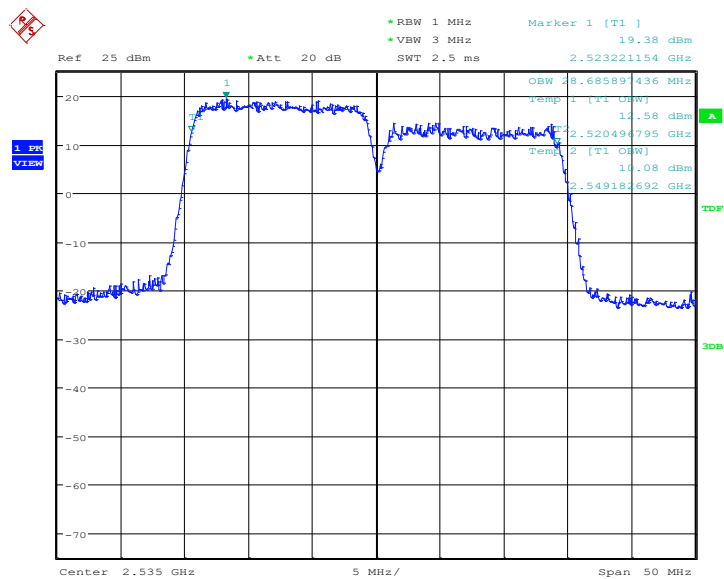
Date: 29.MAY.2021 08:11:50

LTE Band CA_7C, 15MHz+15MHz Bandwidth, 16QAM (99% BW)



Date: 29.MAY.2021 08:12:18

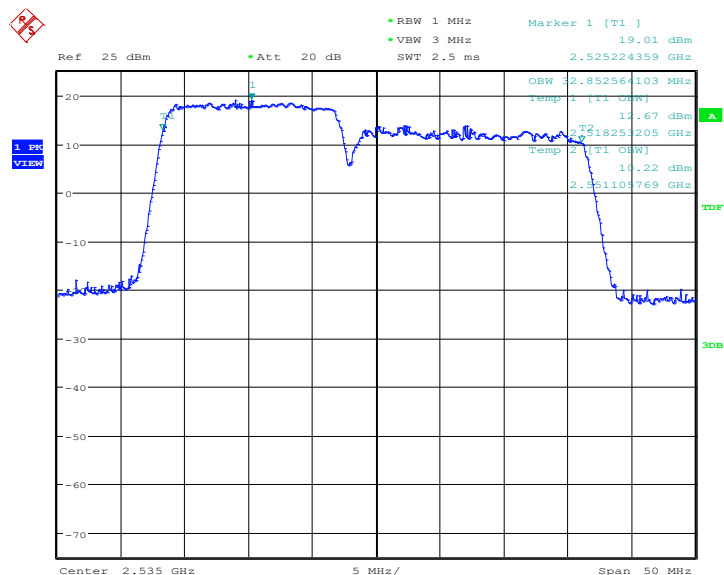
LTE Band CA_7C, 15MHz+15MHz Bandwidth, 64QAM (99% BW)



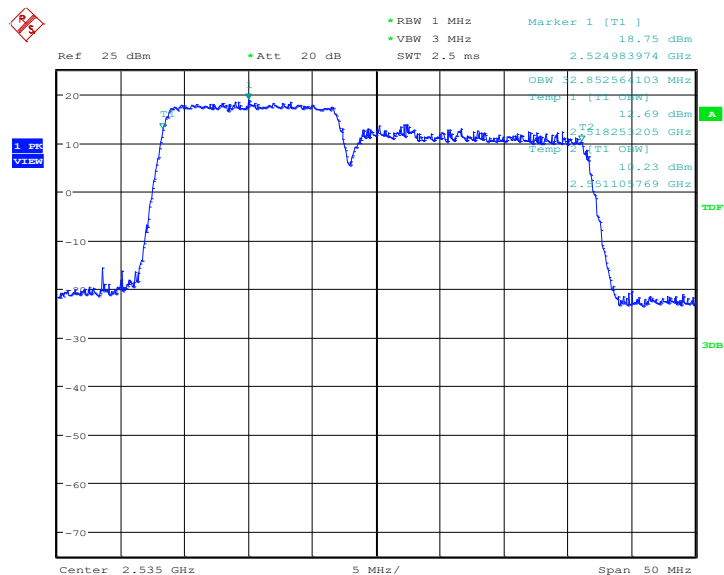
Date: 29.MAY.2021 08:11:15

LTE Band CA_7C, 15MHz+20MHz (99% BW)

Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2535.0	QPSK	16QAM	64QAM
	32852.56	32852.56	32852.56

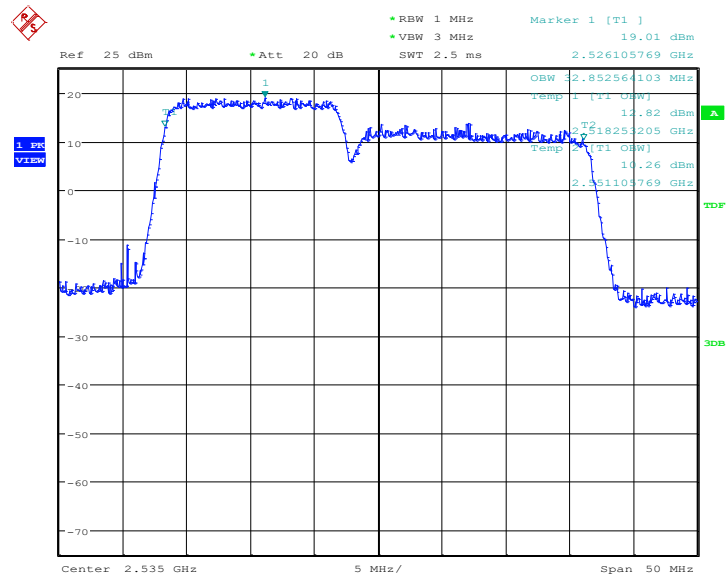
LTE Band CA_7C, 15MHz+20MHz Bandwidth, QPSK (99% BW)


Date: 29.MAY.2021 08:15:05

LTE Band CA_7C, 15MHz+20MHz Bandwidth, 16QAM (99% BW)


Date: 29.MAY.2021 08:15:25

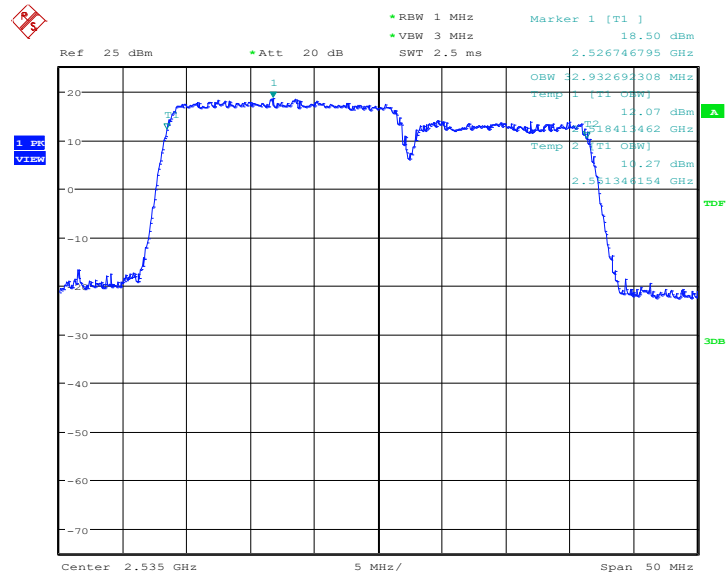
LTE Band CA_7C, 15MHz+20MHz Bandwidth, 64QAM (99% BW)



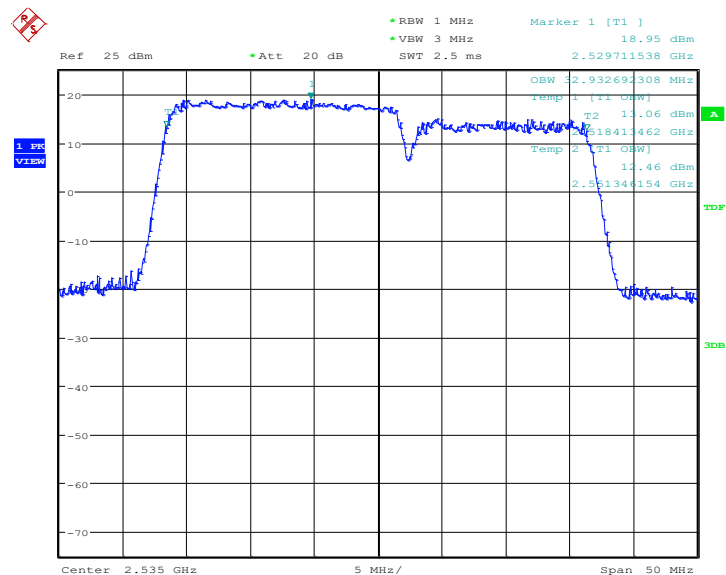
Date: 29.MAY.2021 08:15:48

LTE Band CA_7C, 20MHz+15MHz (99% BW)

Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2535.0	QPSK	16QAM	64QAM
	32932.69	32932.69	32852.56

LTE Band CA_7C, 20MHz+15MHz Bandwidth, QPSK (99% BW)


Date: 29.MAY.2021 08:21:27

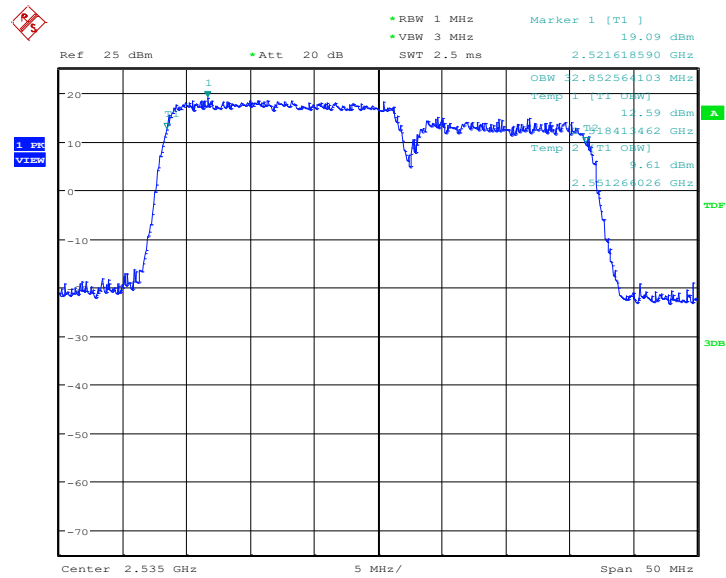
LTE Band CA_7C, 20MHz+15MHz Bandwidth, 16QAM (99% BW)


Date: 29.MAY.2021 08:21:52



No. I21N01406-RF-LTE

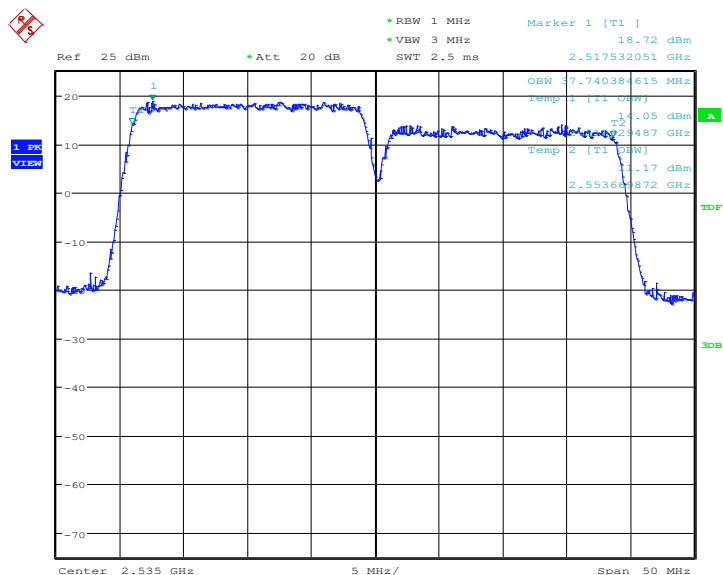
LTE Band CA_7C, 20MHz+15MHz Bandwidth, 64QAM (99% BW)



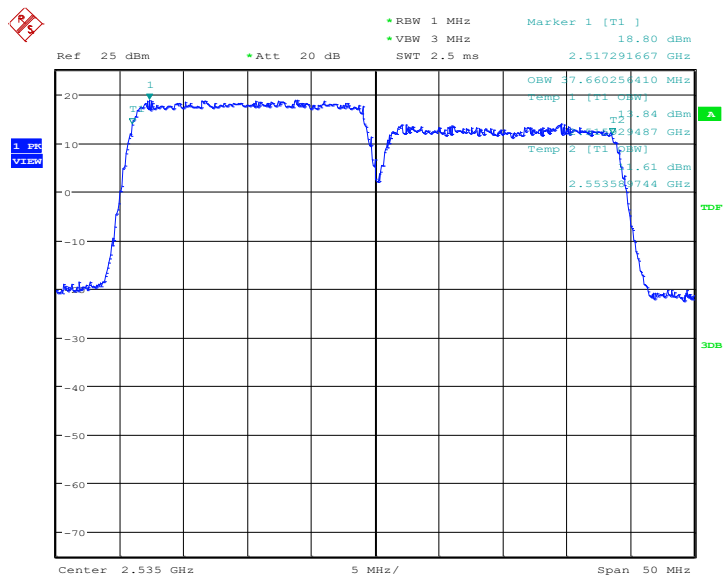
Date: 29.MAY.2021 08:22:12

LTE Band CA_7C, 20MHz+20MHz (99% BW)

Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2535.0	QPSK	16QAM	64QAM
	37740.38	37660.26	37740.38

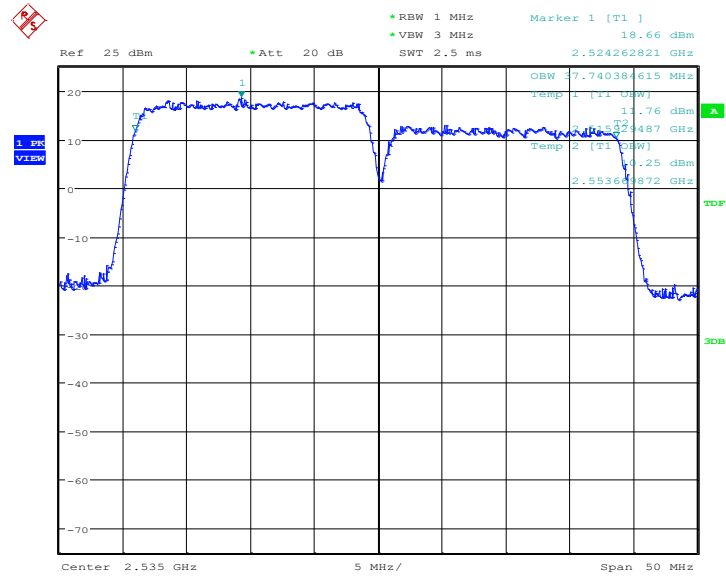
LTE Band CA_7C, 20MHz+20MHz Bandwidth, QPSK (99% BW)


Date: 29.MAY.2021 08:24:30

LTE Band CA_7C, 20MHz+20MHz Bandwidth, 16QAM (99% BW)


Date: 29.MAY.2021 08:24:08

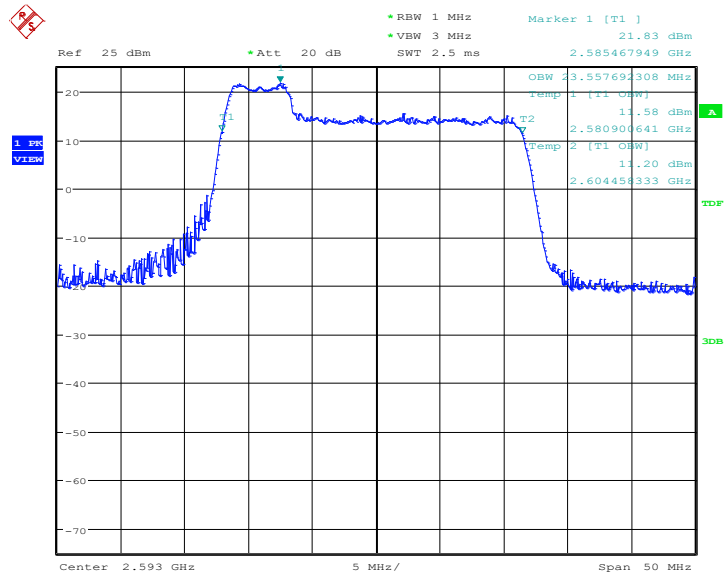
LTE Band CA_7C, 20MHz+20MHz Bandwidth, 64QAM (99% BW)



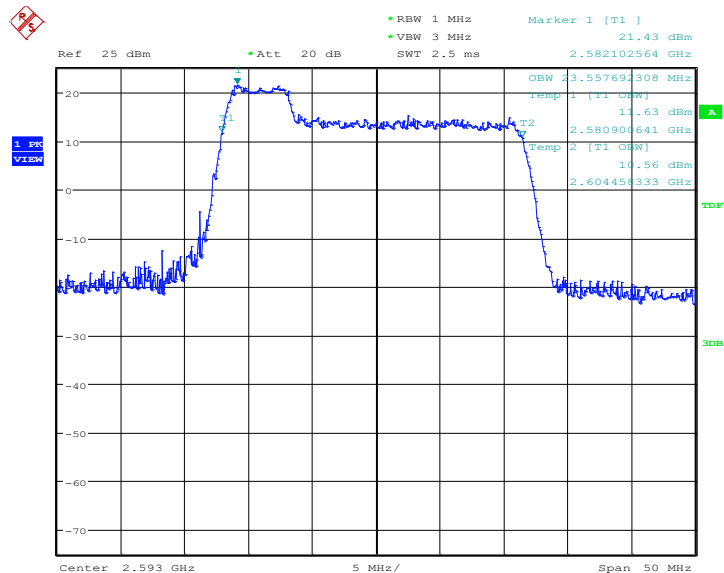
Date: 29.MAY.2021 08:23:23

LTE Band CA_41C, 5MHz+20MHz (99% BW)

Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	23557.69	23557.69	23477.56

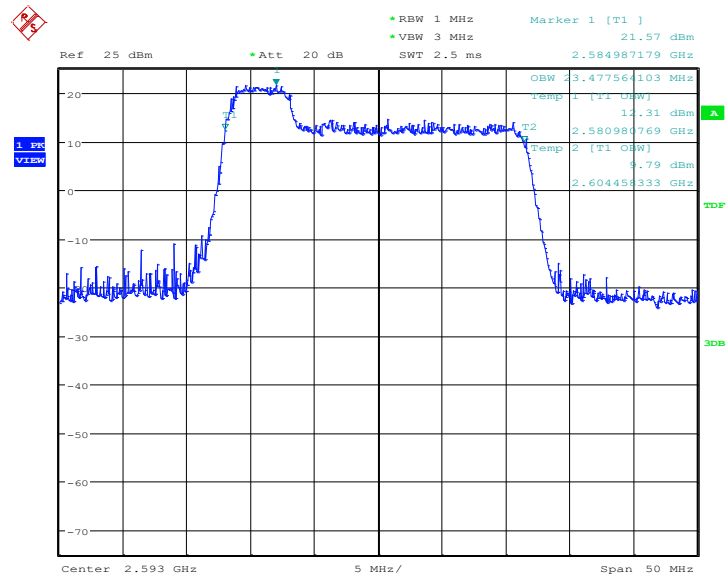
LTE Band CA_41C, 5MHz+20MHz Bandwidth, QPSK (99% BW)


Date: 29.MAY.2021 06:46:15

LTE Band CA_41C, 5MHz+20MHz Bandwidth, 16QAM (99% BW)


Date: 29.MAY.2021 06:48:55

LTE Band CA_41C, 5MHz+20MHz Bandwidth, 64QAM (99% BW)

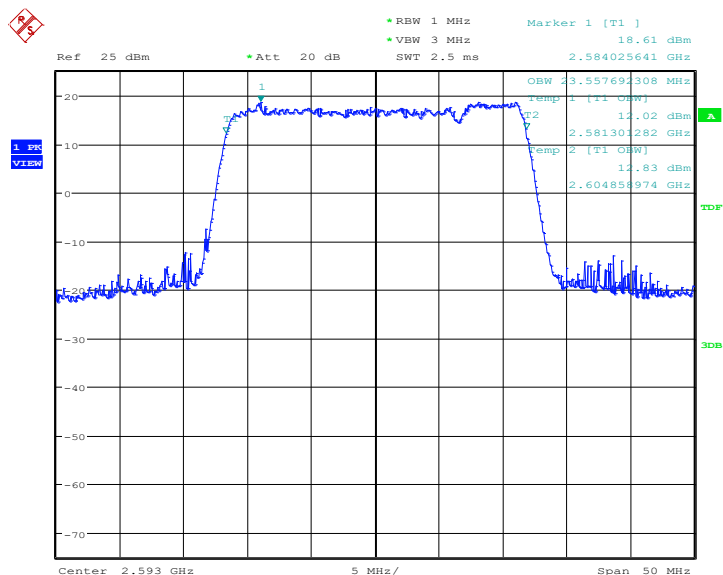


Date: 29.MAY.2021 06:49:47

LTE Band CA_41C, 20MHz+5MHz (99% BW)

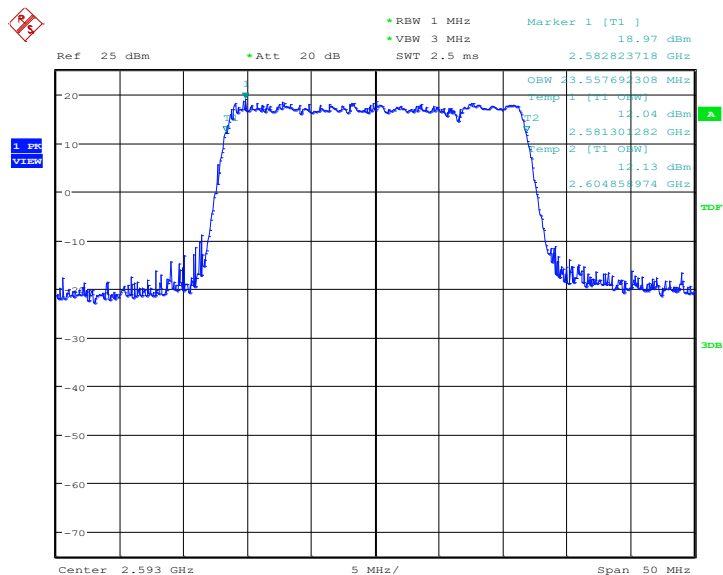
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	23557.69	23557.69	23557.69

LTE Band CA_41C, 20MHz+5MHz Bandwidth, QPSK (99% BW)



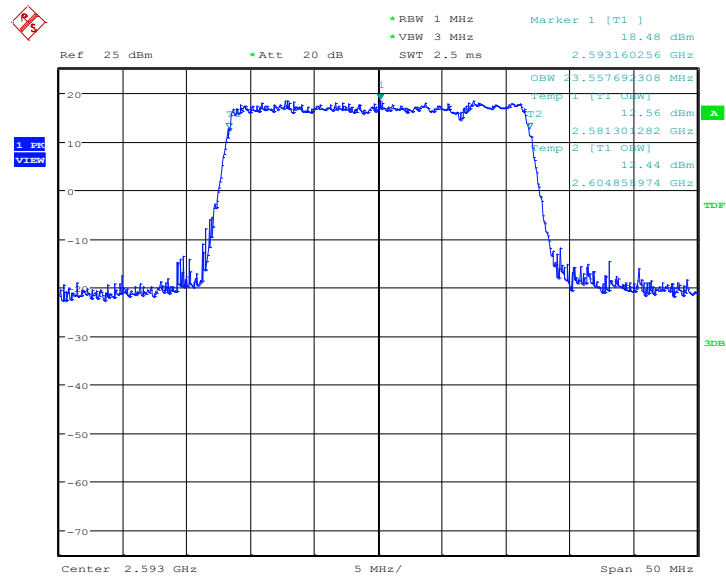
Date: 29.MAY.2021 06:55:13

LTE Band CA_41C, 20MHz+5MHz Bandwidth, 16QAM (99% BW)



Date: 29.MAY.2021 06:55:43

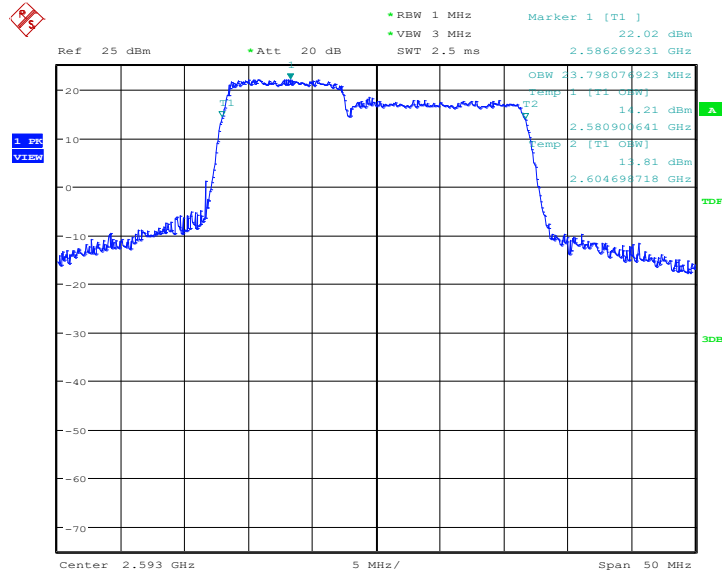
LTE Band CA_41C, 20MHz+5MHz Bandwidth, 64QAM (99% BW)



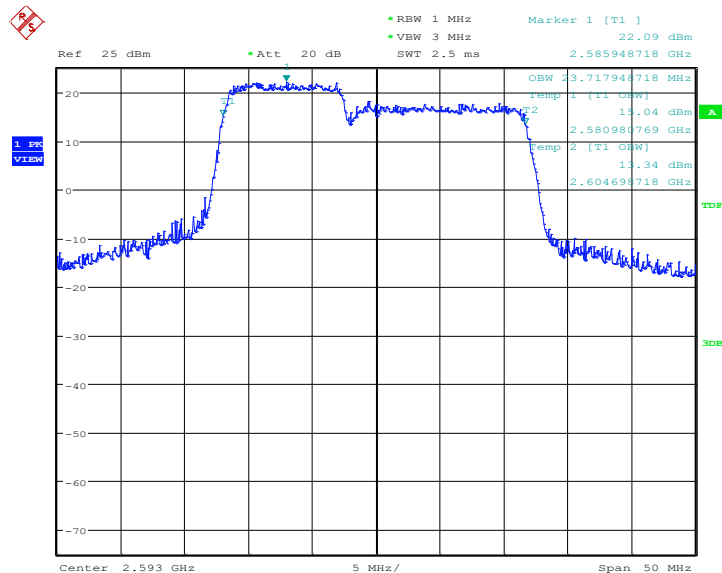
Date: 29.MAY.2021 06:56:03

LTE Band CA_41C, 10MHz+15MHz (99% BW)

Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	23798.08	23717.95	23798.08

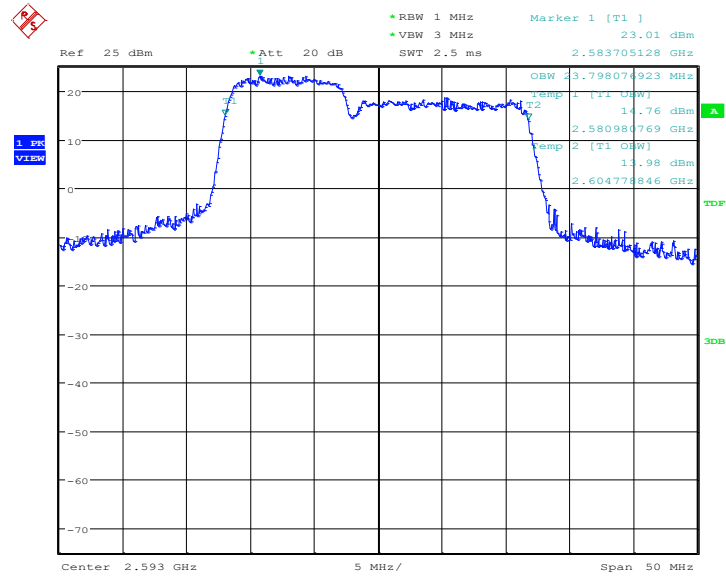
LTE Band CA_41C, 10MHz+15MHz Bandwidth, QPSK (99% BW)


Date: 29.MAY.2021 06:57:55

LTE Band CA_41C, 10MHz+15MHz Bandwidth, 16QAM (99% BW)


Date: 29.MAY.2021 06:58:17

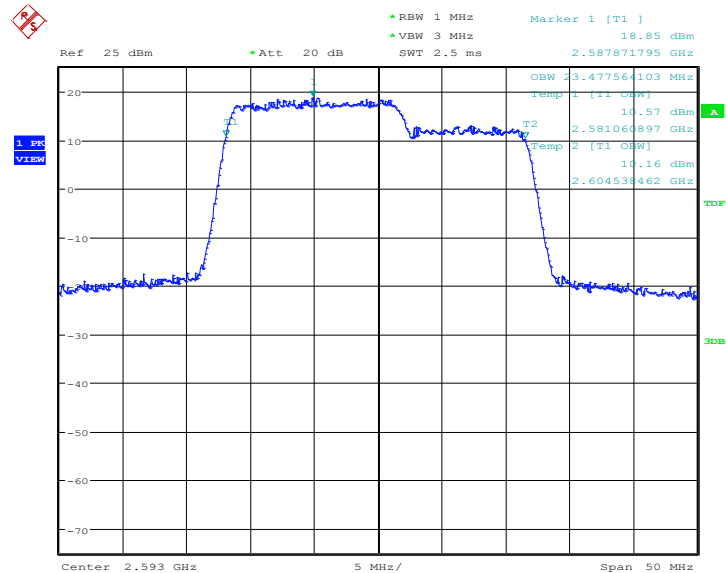
LTE Band CA_41C, 10MHz+15MHz Bandwidth, 64QAM (99% BW)



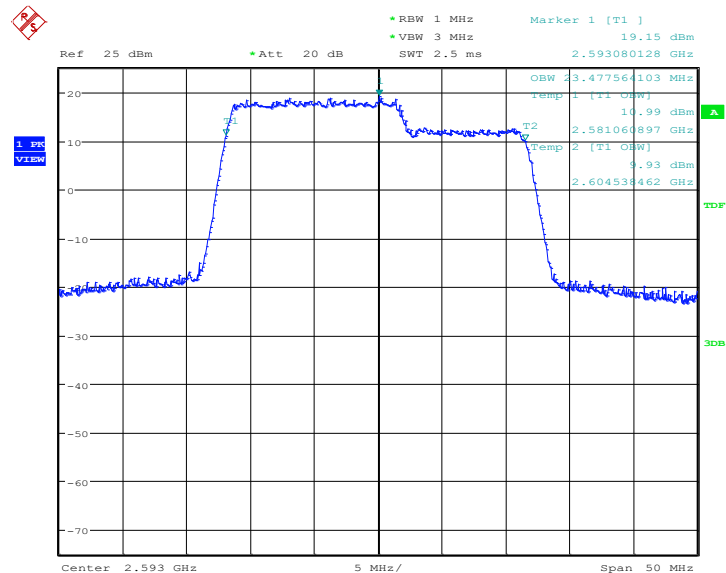
Date: 29.MAY.2021 06:59:04

LTE Band CA_41C, 15MHz+10MHz (99% BW)

Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	23477.56	23477.56	23477.56

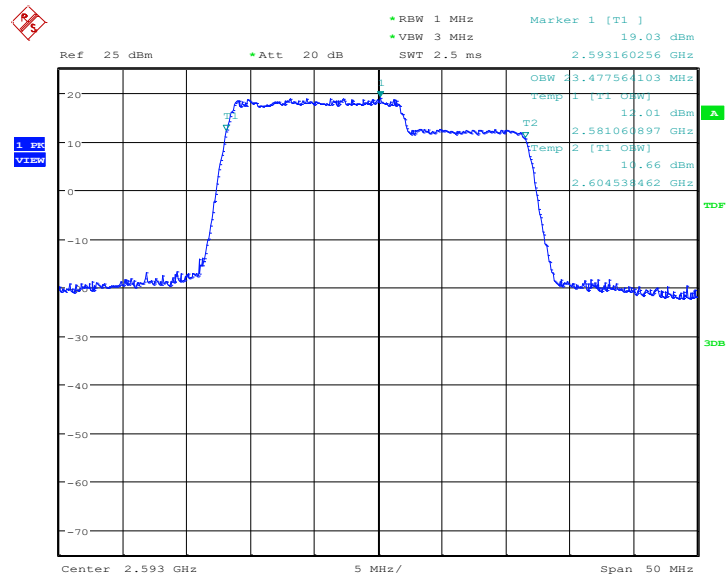
LTE Band CA_41C, 15MHz+10MHz Bandwidth, QPSK (99% BW)


Date: 29.MAY.2021 12:41:09

LTE Band CA_41C, 15MHz+10MHz Bandwidth, 16QAM (99% BW)


Date: 29.MAY.2021 12:40:31

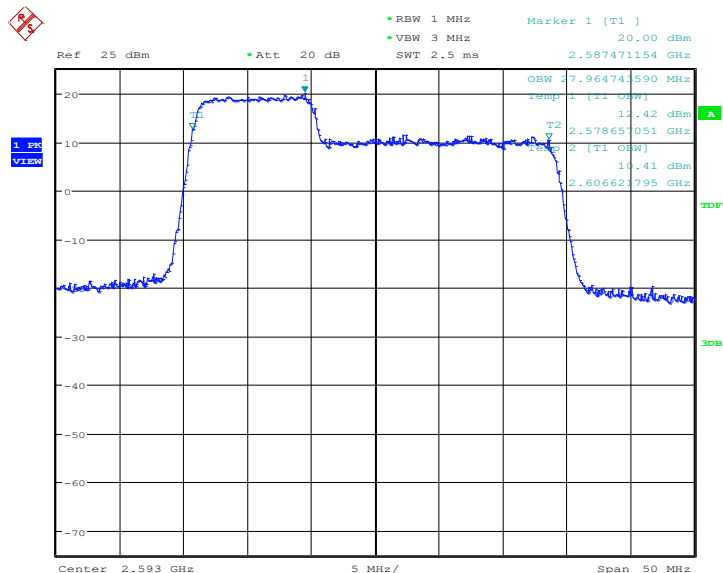
LTE Band CA_41C, 15MHz+10MHz Bandwidth, 64QAM (99% BW)



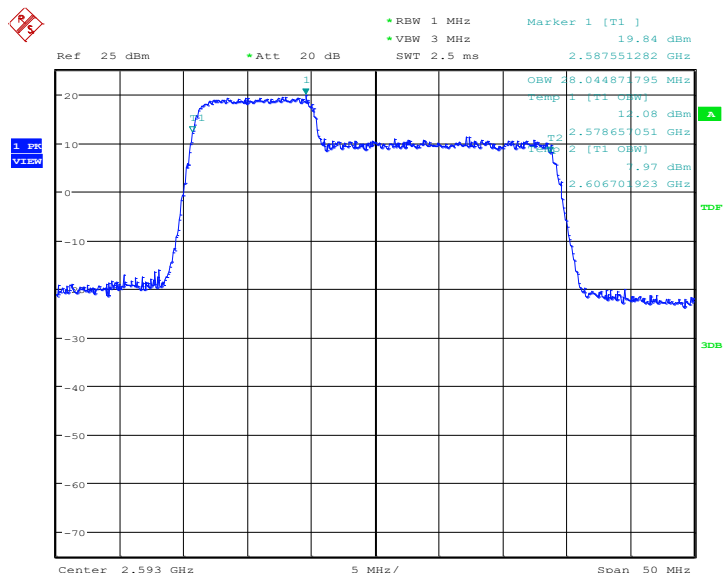
Date: 29.MAY.2021 12:40:14

LTE Band CA_41C, 10MHz+20MHz (99% BW)

Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
	QPSK	16QAM	64QAM
2593.0	27964.74	28044.87	27804.49

LTE Band CA_41C, 10MHz+20MHz Bandwidth, QPSK (99% BW)


Date: 29.MAY.2021 12:47:20

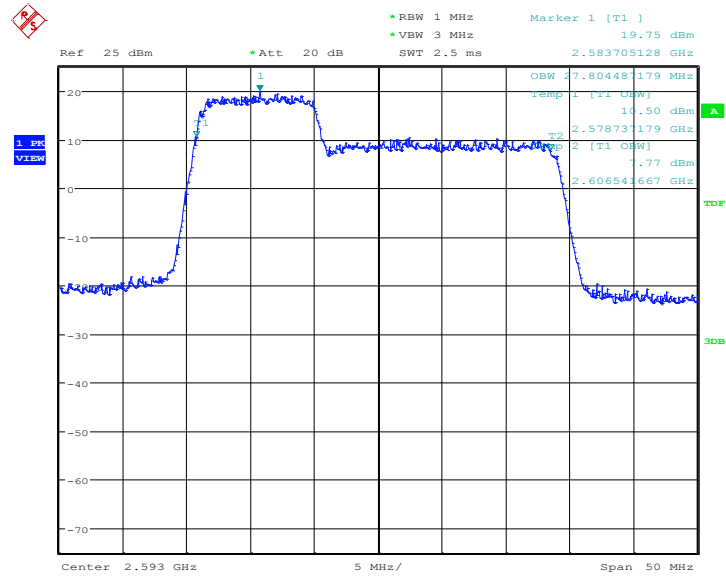
LTE Band CA_41C, 10MHz+20MHz Bandwidth, 16QAM (99% BW)


Date: 29.MAY.2021 12:46:56



No. I21N01406-RF-LTE

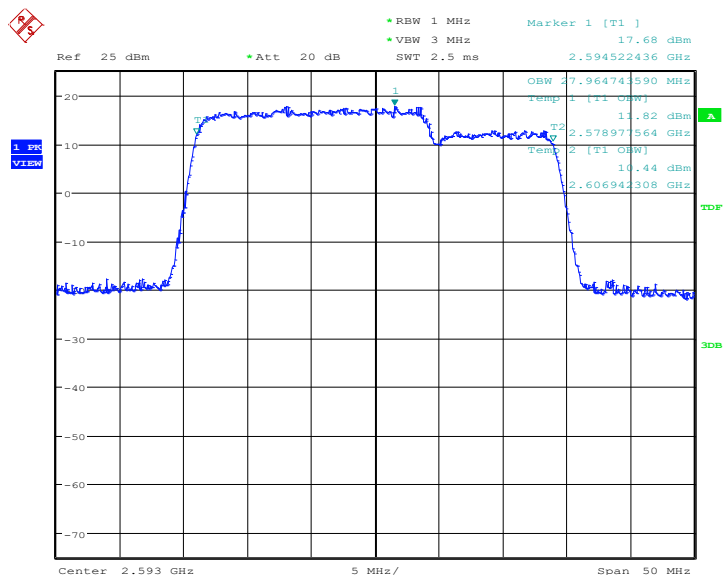
LTE Band CA_41C, 10MHz+20MHz Bandwidth, 64QAM (99% BW)



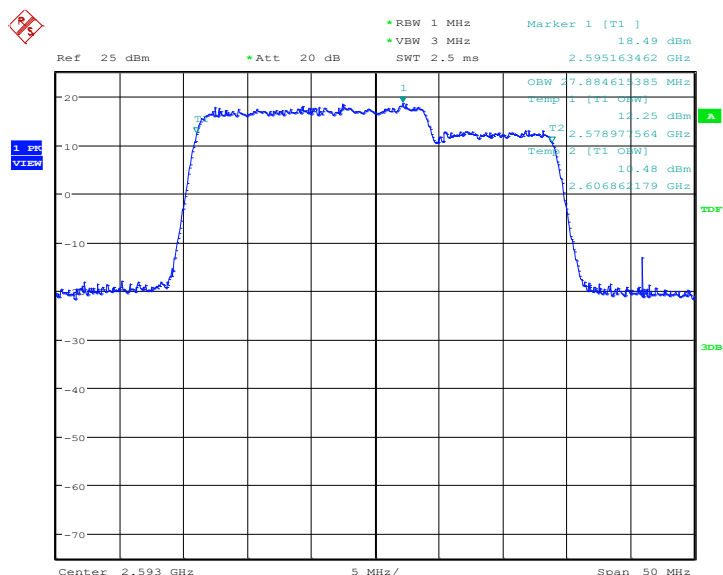
Date: 29.MAY.2021 12:46:24

LTE Band CA_41C, 20MHz+10MHz (99% BW)

Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	27964.74	27884.62	27964.74

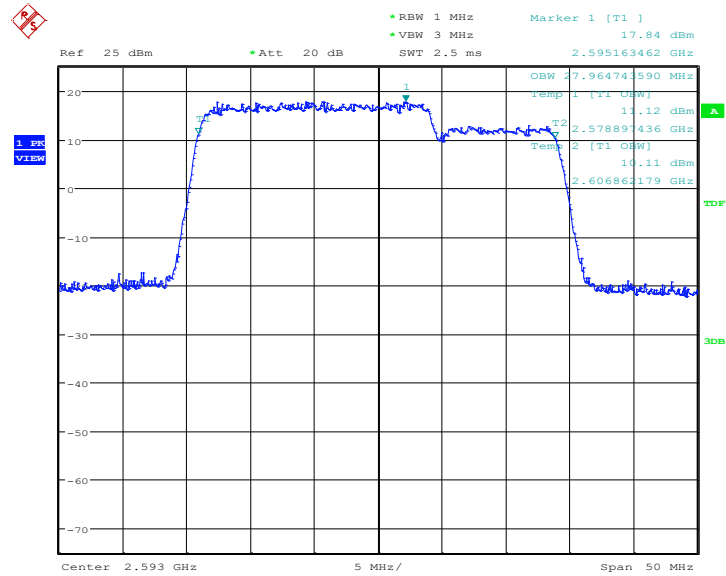
LTE Band CA_41C, 20MHz+10MHz Bandwidth, QPSK (99% BW)


Date: 29.MAY.2021 12:50:13

LTE Band CA_41C, 20MHz+10MHz Bandwidth, 16QAM (99% BW)


Date: 29.MAY.2021 12:49:27

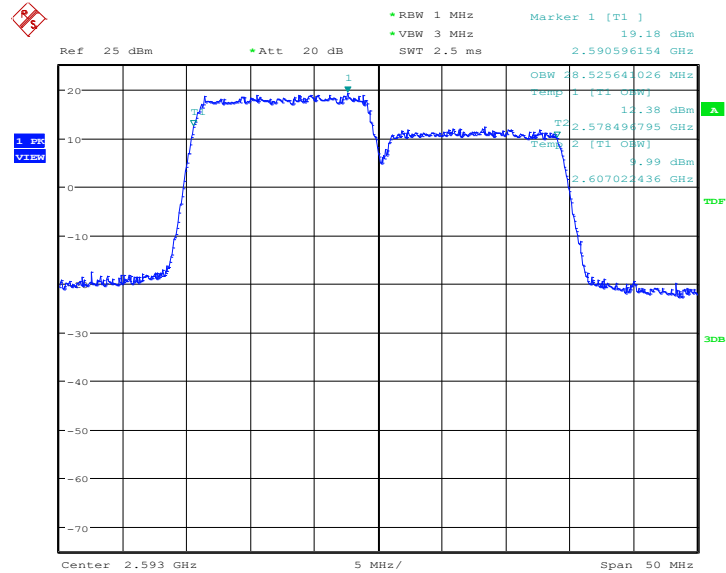
LTE Band CA_41C, 20MHz+10MHz Bandwidth, 64QAM (99% BW)



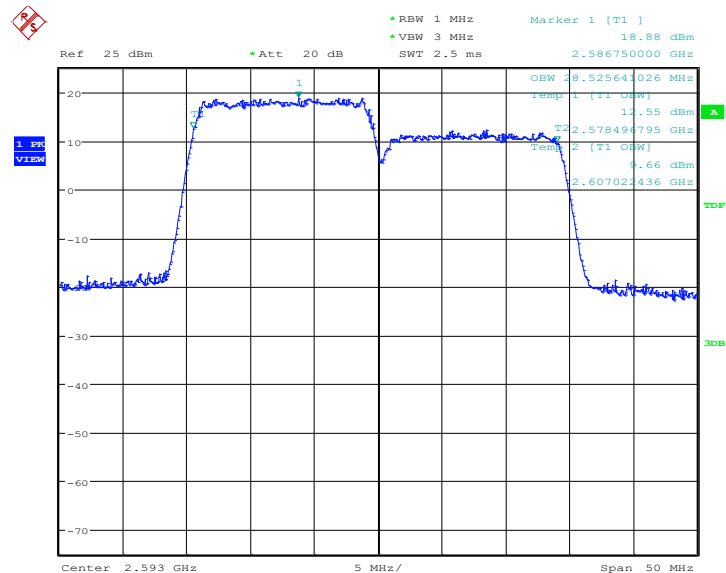
Date: 29.MAY.2021 12:49:00

LTE Band CA_41C, 15MHz+15MHz (99% BW)

Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	28525.64	28525.64	28445.51

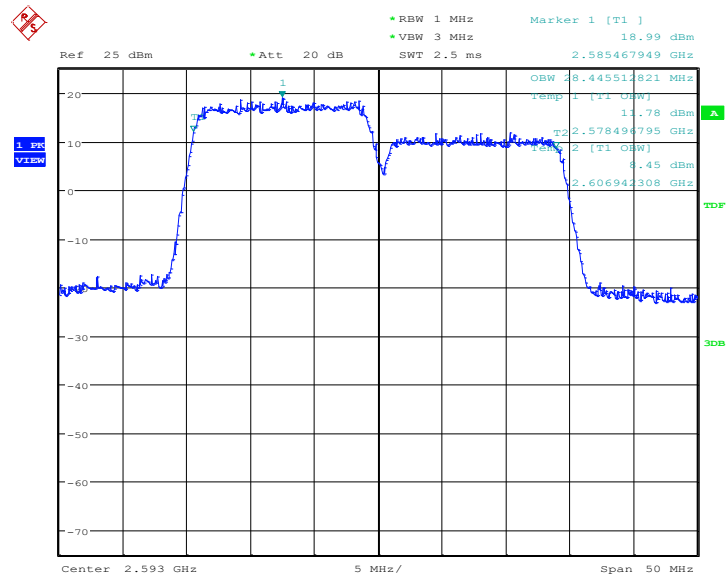
LTE Band CA_41C, 15MHz+15MHz Bandwidth, QPSK (99% BW)


Date: 29.MAY.2021 12:55:00

LTE Band CA_41C, 15MHz+15MHz Bandwidth, 16QAM (99% BW)


Date: 29.MAY.2021 12:54:40

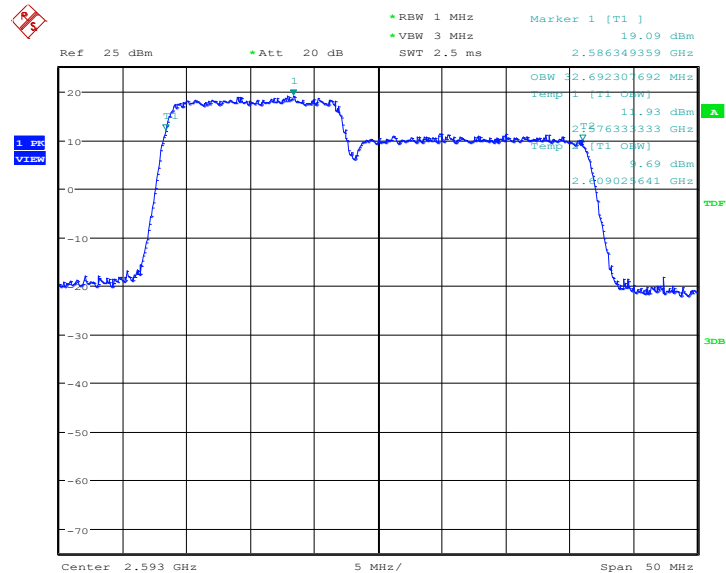
LTE Band CA_41C, 15MHz+15MHz Bandwidth, 64QAM (99% BW)



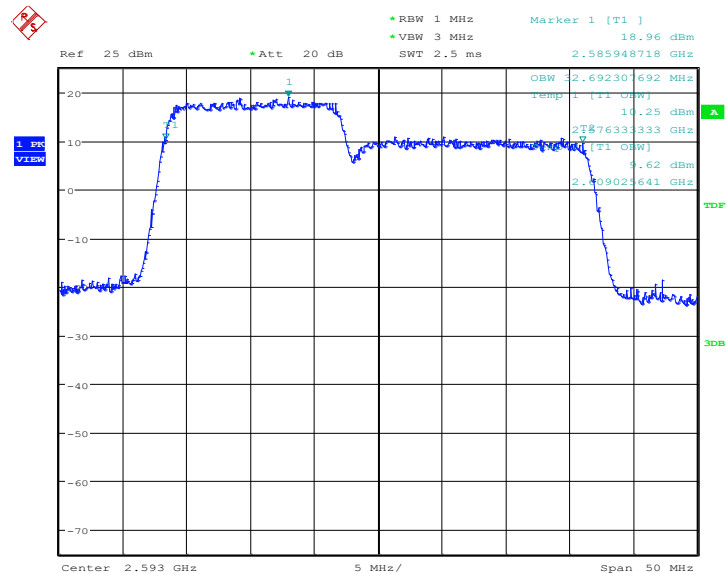
Date: 29.MAY.2021 12:54:11

LTE Band CA_41C, 15MHz+20MHz (99% BW)

Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	32692.31	32692.31	32692.31

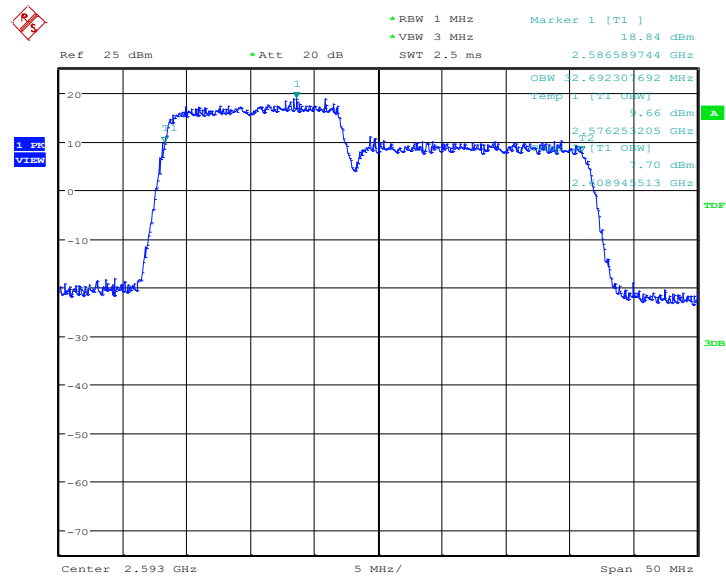
LTE Band CA_41C, 15MHz+20MHz Bandwidth, QPSK (99% BW)


Date: 29.MAY.2021 12:56:29

LTE Band CA_41C, 15MHz+20MHz Bandwidth, 16QAM (99% BW)


Date: 29.MAY.2021 12:56:44

LTE Band CA_41C, 15MHz+20MHz Bandwidth, 64QAM (99% BW)

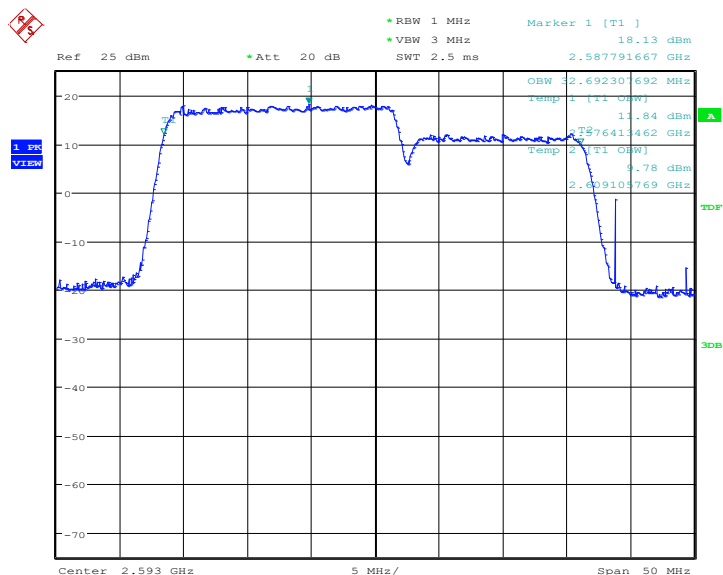


Date: 29.MAY.2021 12:57:07

LTE Band CA_41C, 20MHz+15MHz (99% BW)

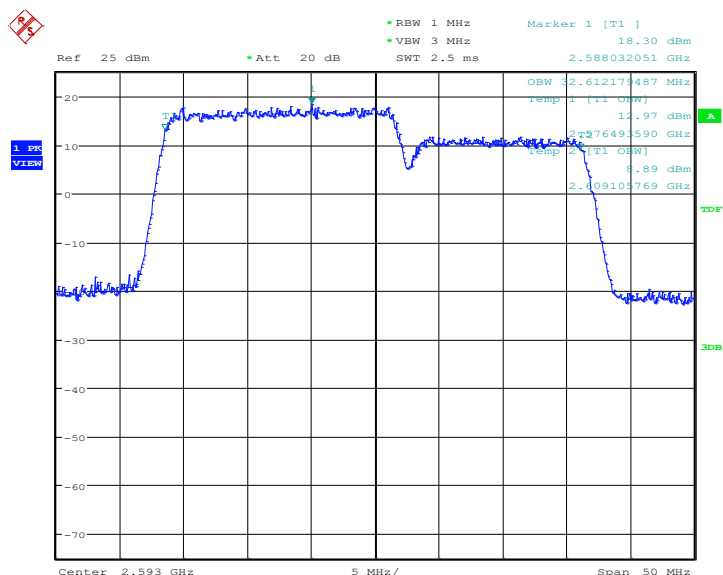
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	32692.31	32612.18	32692.31

LTE Band CA_41C, 20MHz+15MHz Bandwidth, QPSK (99% BW)



Date: 29.MAY.2021 13:03:20

LTE Band CA_41C, 20MHz+15MHz Bandwidth, 16QAM (99% BW)

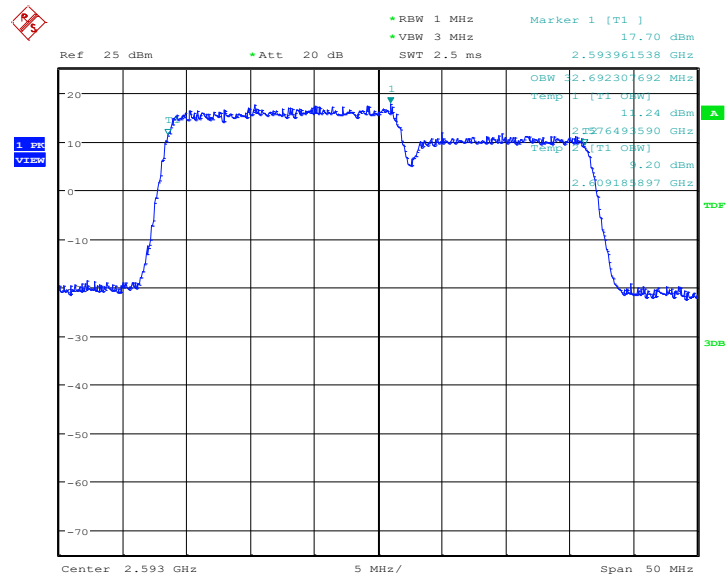


Date: 29.MAY.2021 13:03:39



No. I21N01406-RF-LTE

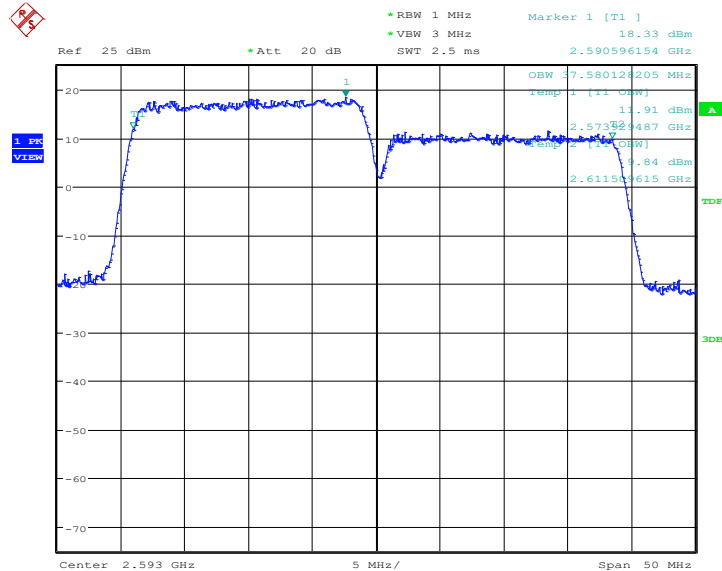
LTE Band CA_41C, 20MHz+15MHz Bandwidth, 64QAM (99% BW)



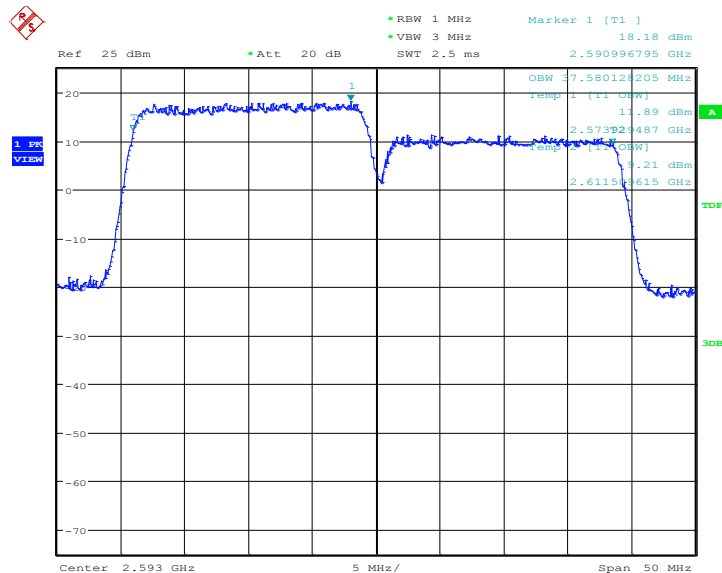
Date: 29.MAY.2021 13:02:31

LTE Band CA_41C, 20MHz+20MHz (99% BW)

Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	37580.13	37580.13	37500.00

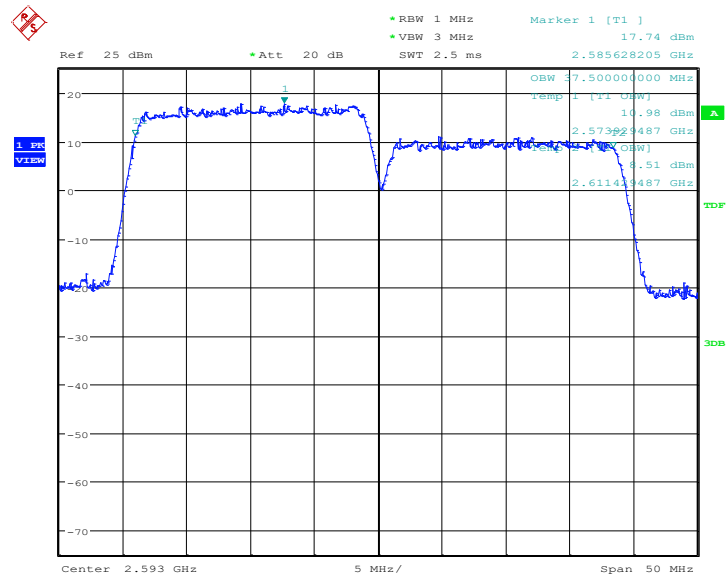
LTE Band CA_41C, 20MHz+20MHz Bandwidth, QPSK (99% BW)


Date: 29.MAY.2021 13:05:06

LTE Band CA_41C, 20MHz+20MHz Bandwidth, 16QAM (99% BW)


Date: 29.MAY.2021 13:05:25

LTE Band CA_41C, 20MHz+20MHz Bandwidth, 64QAM (99% BW)



Date: 29.MAY.2021 13:05:57

Note: Expanded measurement uncertainty is $U = 3428 \text{ Hz}$, $k = 2$

A.5 EMISSION BANDWIDTH

Reference

FCC: CFR Part 2.1049, 22.917, 24.238, 27.53, 90.1215.

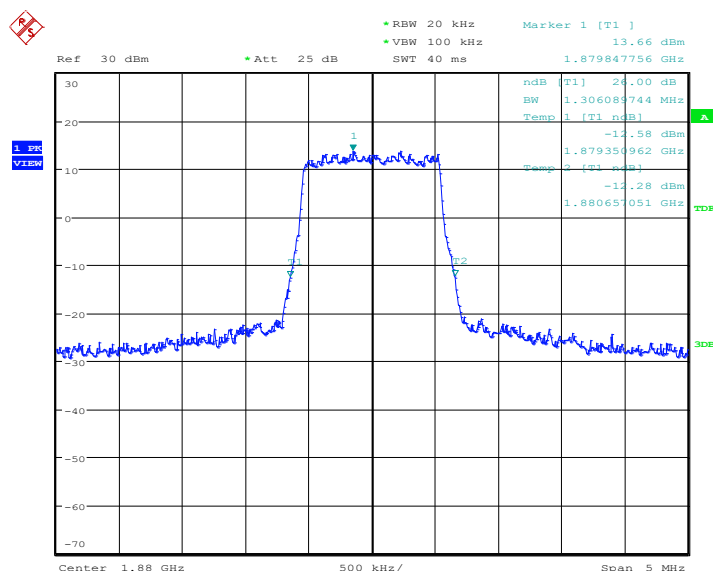
A.5.1 Emission Bandwidth Results

The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power. Table below lists the measured -26dBc BW. Spectrum analyzer plots are included on the following pages.

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

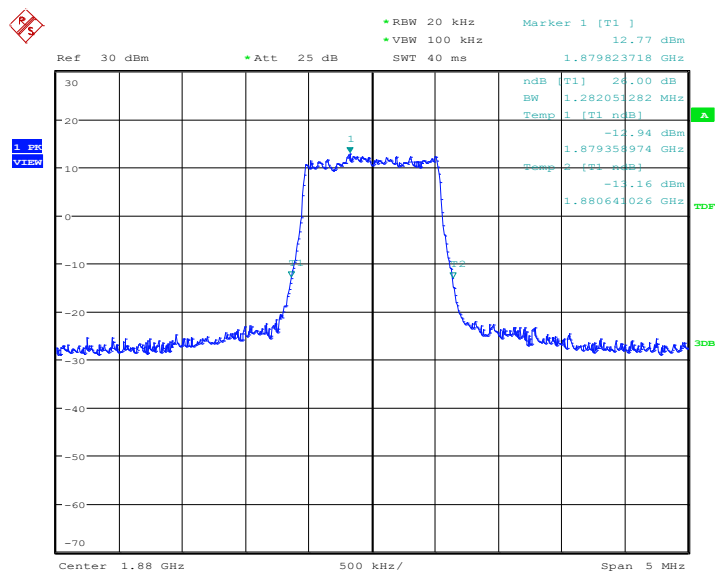
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
1880.0	QPSK	16QAM	64QAM
	1306.09	1282.05	1282.05

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



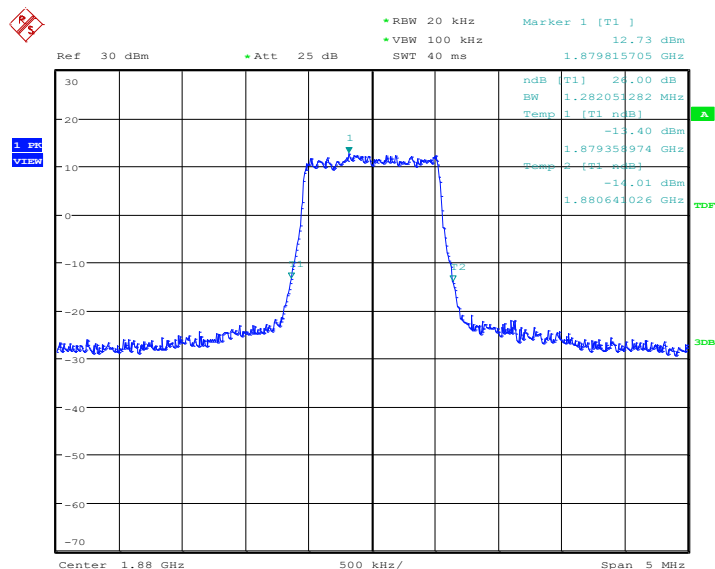
Date: 5.MAY.2021 09:19:39

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



Date: 5.MAY.2021 09:19:55

LTE band 2, 1.4MHz Bandwidth, 64QAM (-26dBc BW)

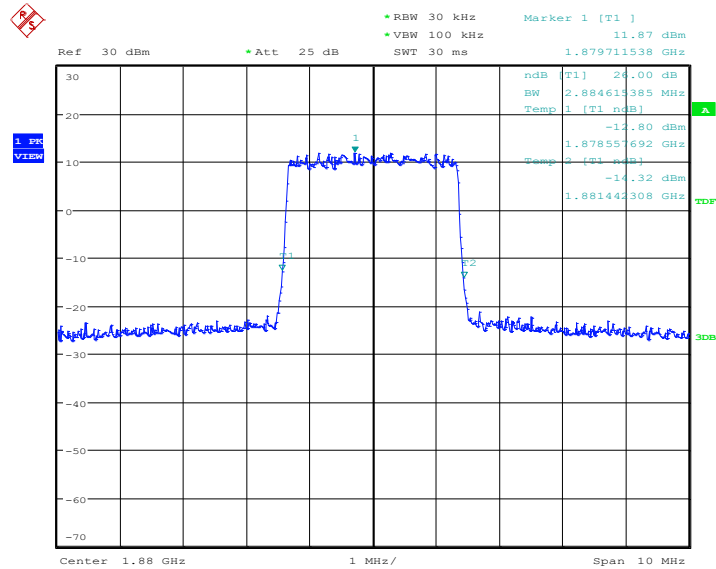


Date: 5.MAY.2021 12:42:32

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

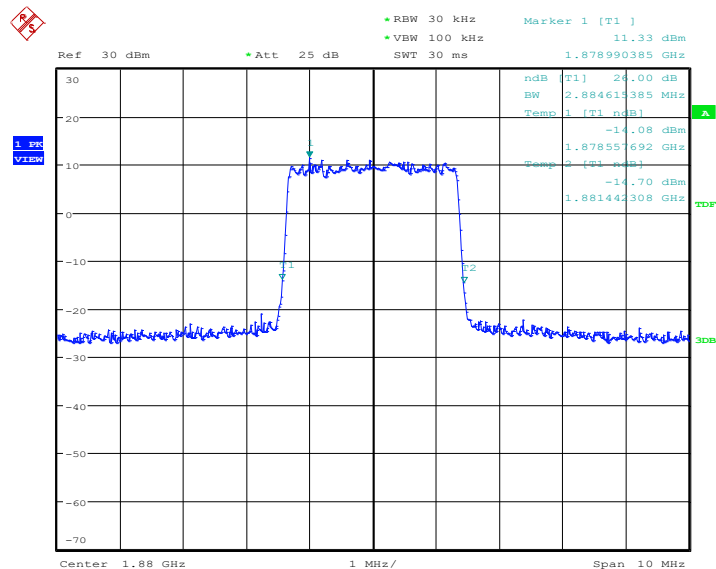
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
1880.0	QPSK	16QAM	64QAM
	2884.62	2884.62	2900.64

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



Date: 5.MAY.2021 09:21:57

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

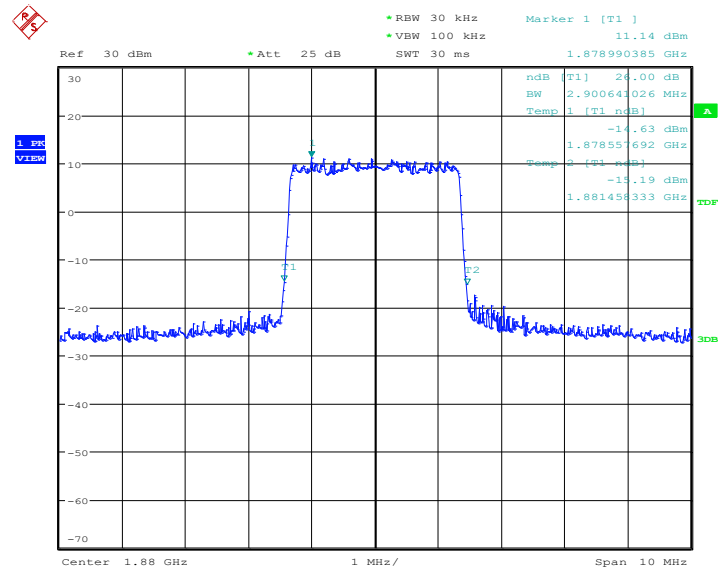


Date: 5.MAY.2021 09:22:13



No. I21N01406-RF-LTE

LTE band 2, 3MHz Bandwidth, 64QAM (-26dBc BW)

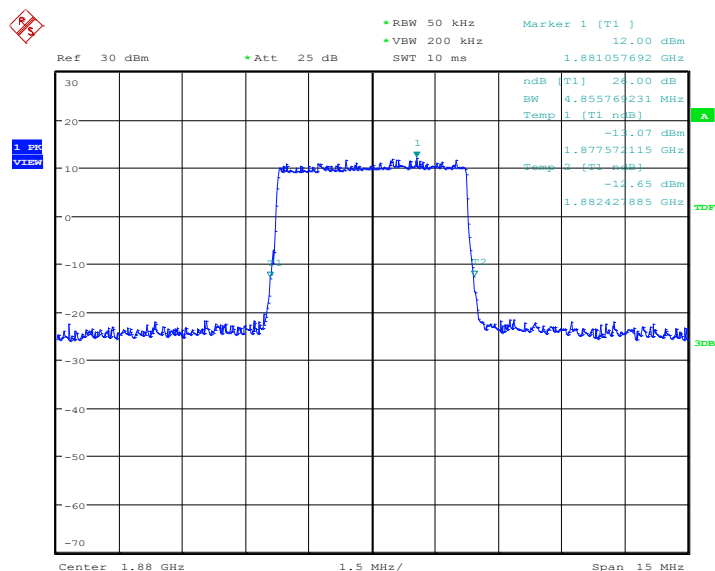


Date: 5.MAY.2021 12:44:20

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

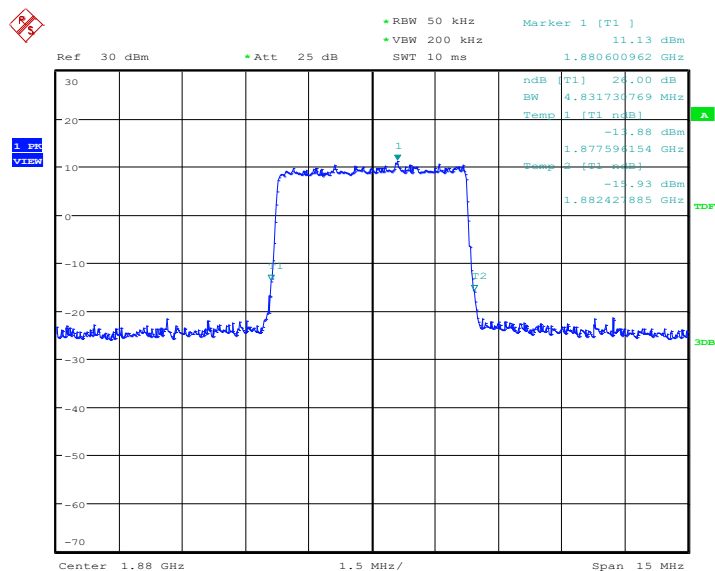
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
1880.0	QPSK	16QAM	64QAM
	4855.77	4831.73	4879.81

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



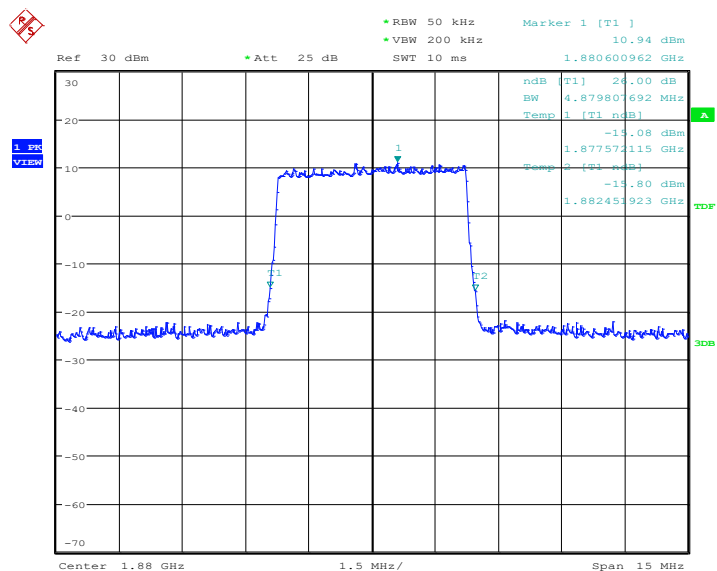
Date: 5.MAY.2021 09:24:15

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



Date: 5.MAY.2021 09:24:31

LTE band 2, 5MHz Bandwidth,64QAM (-26dBc BW)

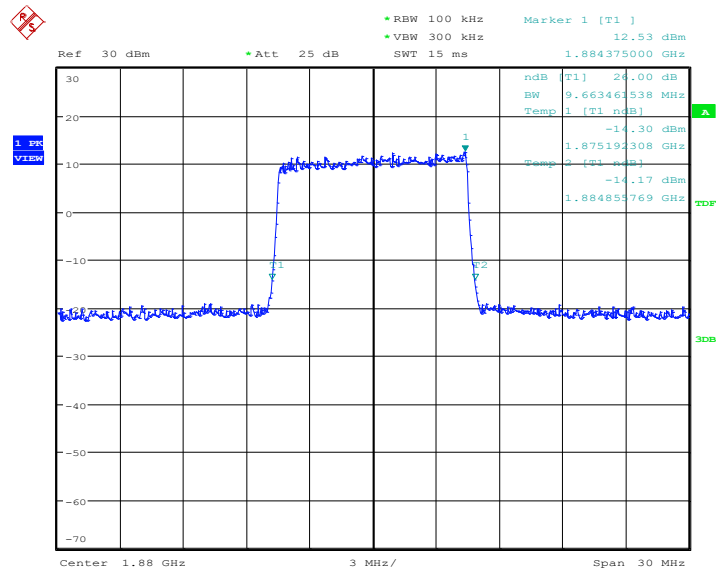


Date: 5.MAY.2021 12:46:08

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

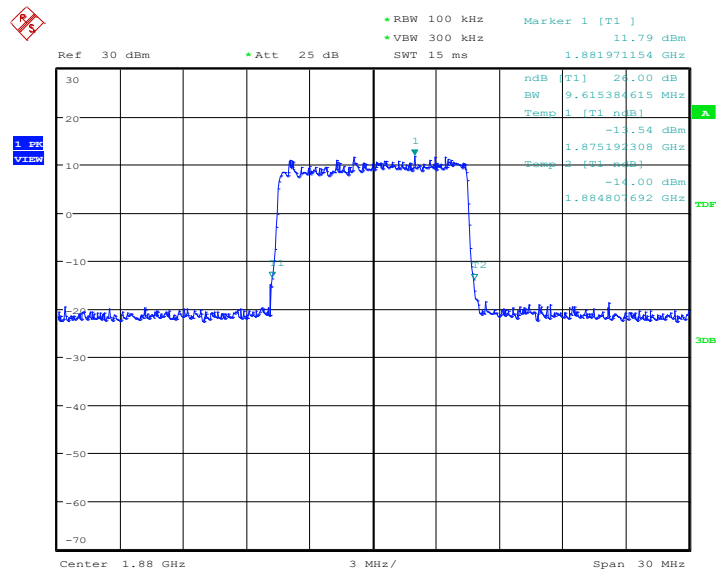
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
1880.0	QPSK	16QAM	64QAM
	9663.46	9615.38	9615.38

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



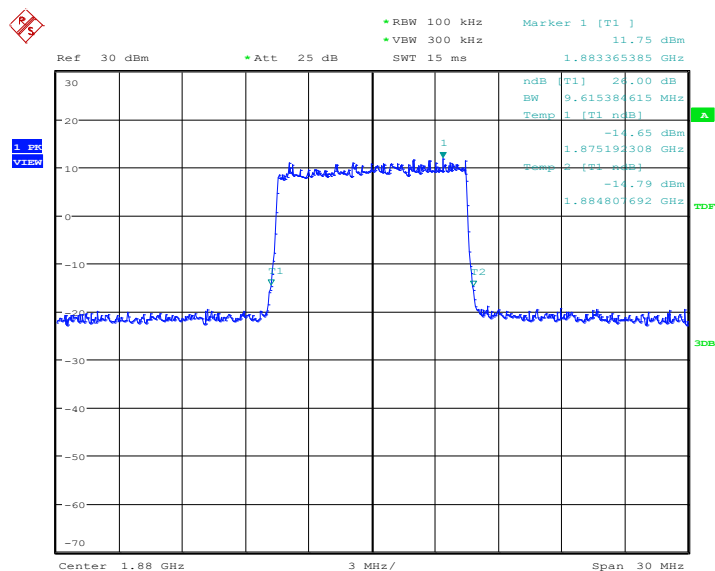
Date: 5.MAY.2021 09:26:33

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



Date: 5.MAY.2021 09:26:48

LTE band 2, 10MHz Bandwidth, 64QAM (-26dBc BW)

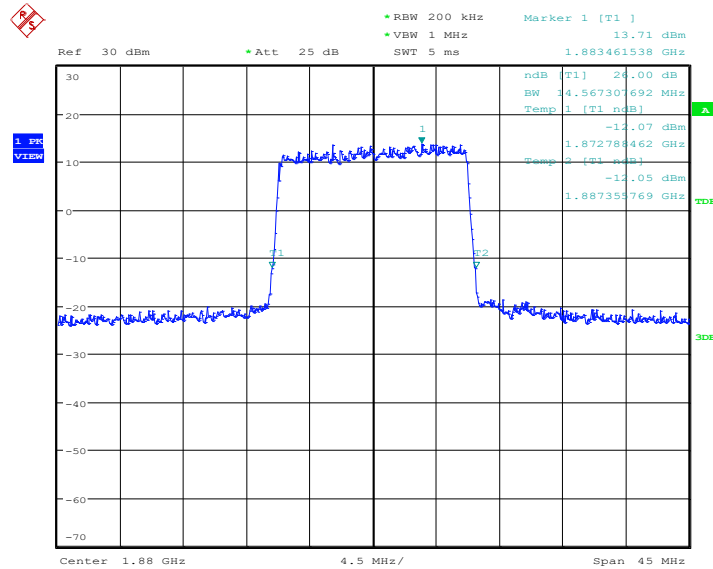


Date: 5.MAY.2021 12:47:56

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

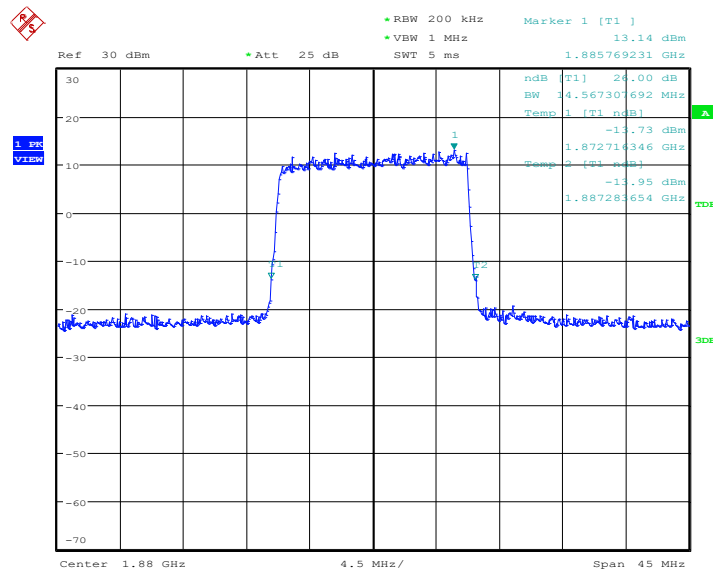
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
1880.0	QPSK	16QAM	64QAM
	14567.31	14567.31	14495.19

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



Date: 5.MAY.2021 09:28:51

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

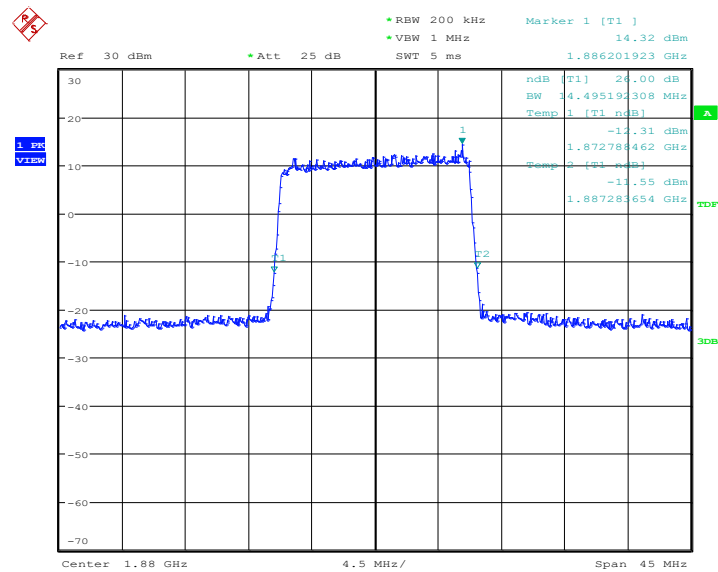


Date: 5.MAY.2021 09:29:06



No. I21N01406-RF-LTE

LTE band 2, 15MHz Bandwidth, 64QAM (-26dBc BW)

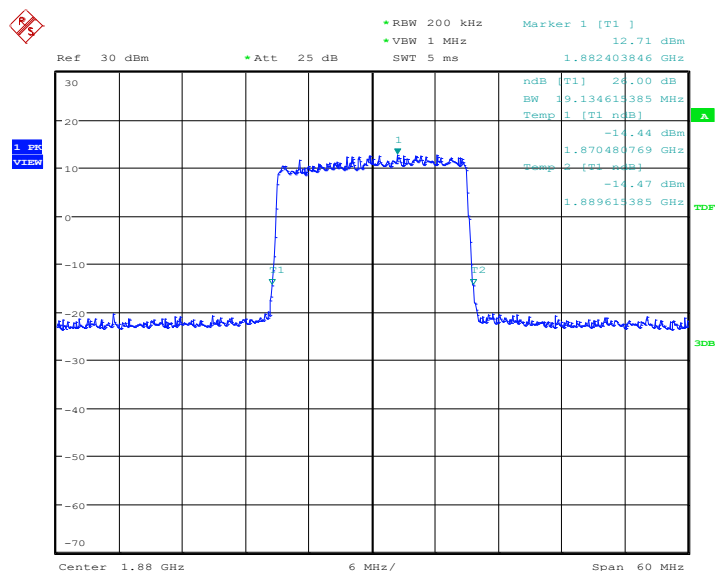


Date: 5.MAY.2021 12:49:45

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

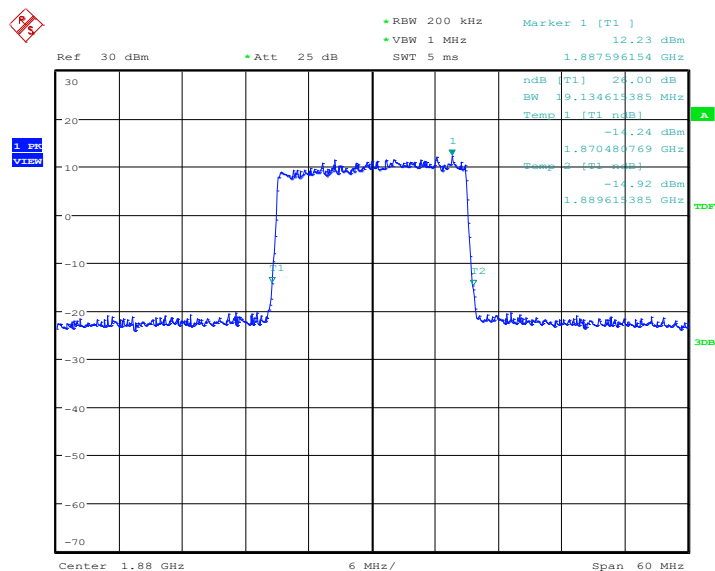
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
1880.0	QPSK	16QAM	64QAM
	19134.62	19134.62	19134.62

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



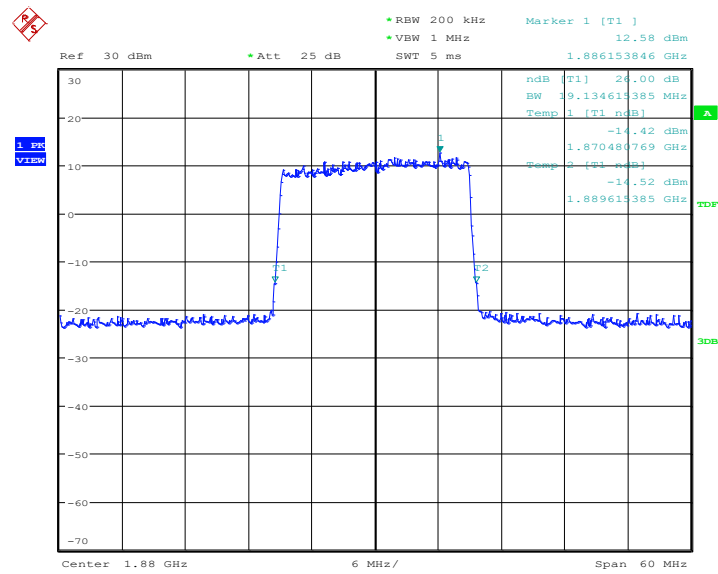
Date: 5.MAY.2021 09:31:09

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



Date: 5.MAY.2021 09:31:24

LTE band 2, 20MHz Bandwidth, 64QAM (-26dBc BW)

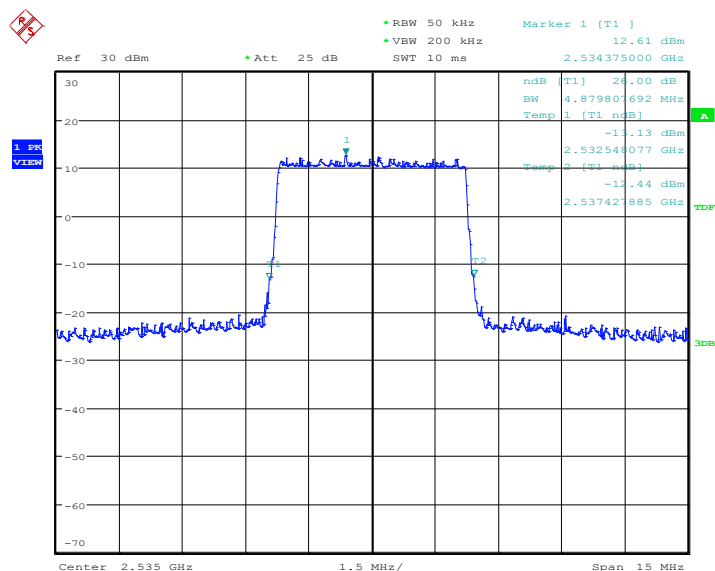


Date: 5.MAY.2021 12:51:33

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

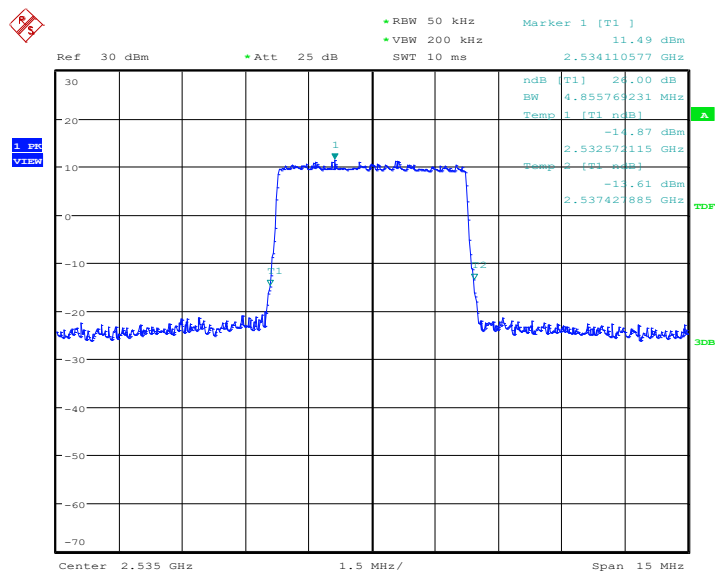
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
2535.0	QPSK	16QAM	64QAM
	4879.81	4855.77	4879.81

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



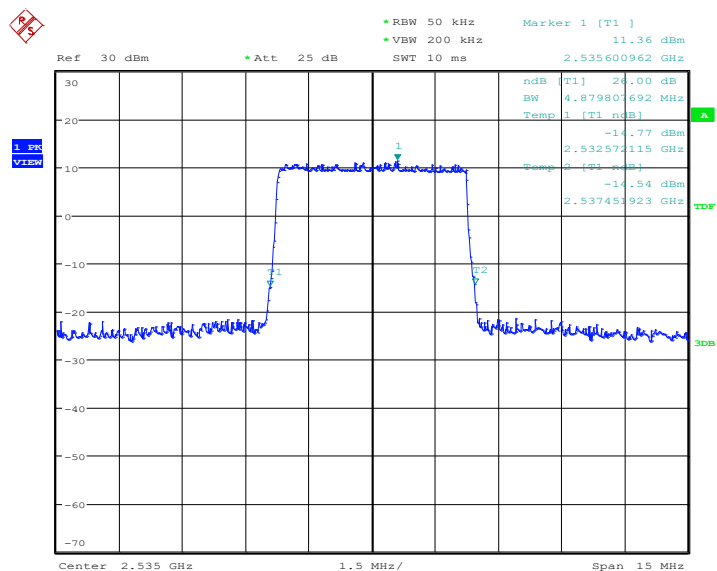
Date: 5.MAY.2021 08:51:56

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



Date: 5.MAY.2021 08:52:12

LTE band 7, 5MHz Bandwidth, 64QAM (-26dBc BW)

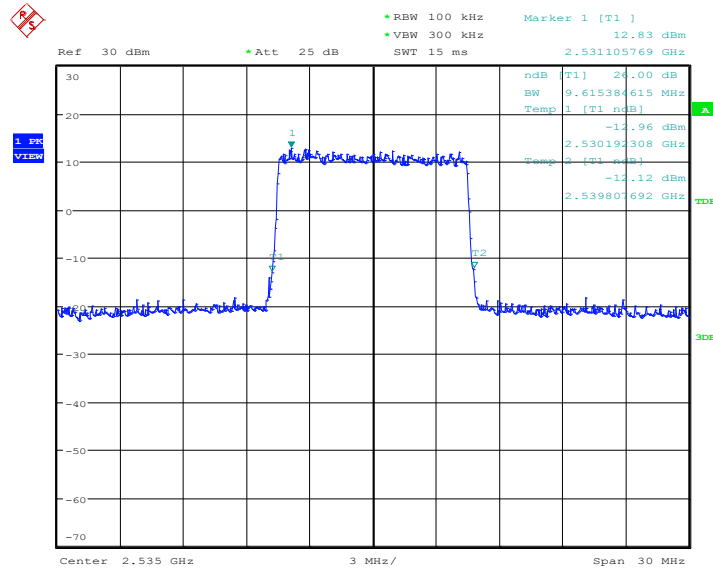


Date: 5.MAY.2021 12:20:41

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

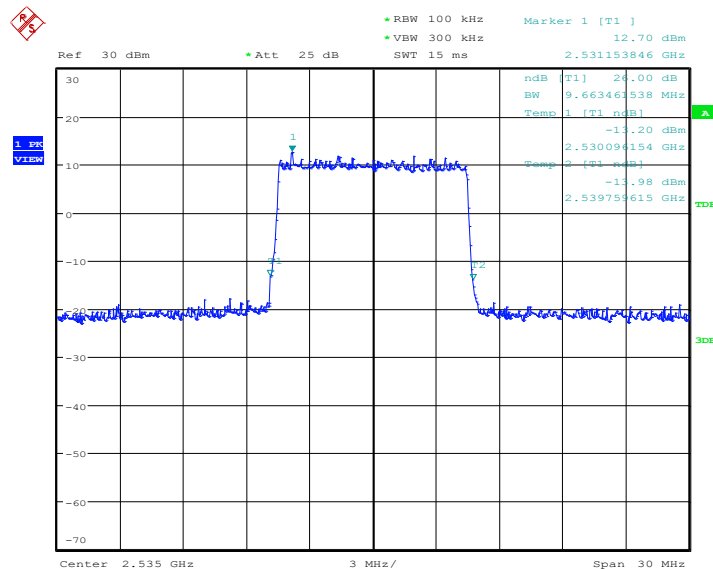
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
2535.0	QPSK	16QAM	64QAM
	9615.38	9663.46	9711.54

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



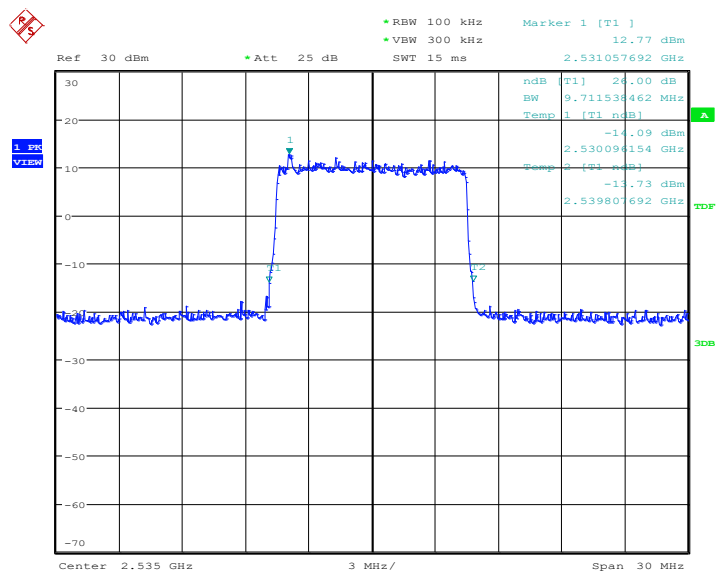
Date: 5.MAY.2021 08:54:14

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



Date: 5.MAY.2021 08:54:29

LTE band 7, 10MHz Bandwidth, 64QAM (-26dBc BW)

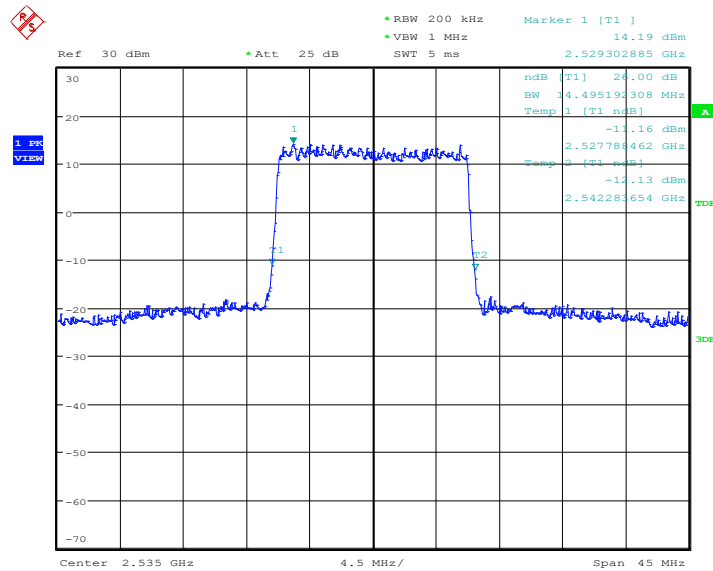


Date: 5.MAY.2021 12:22:30

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

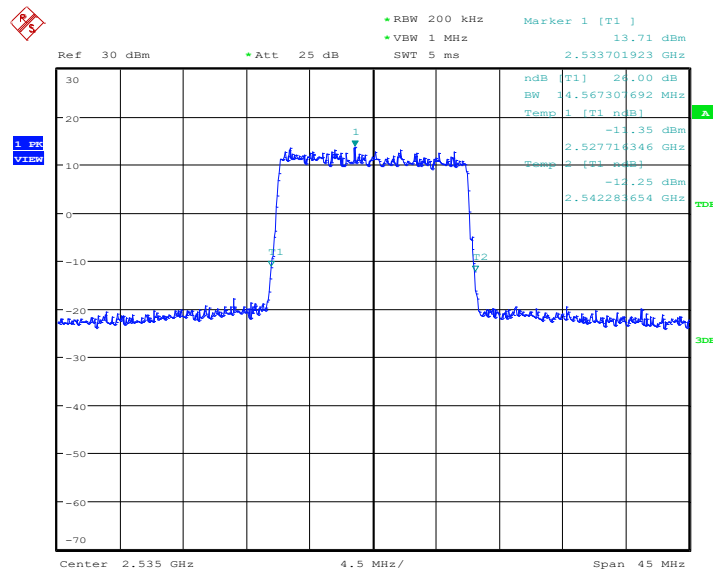
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
2535.0	QPSK	16QAM	64QAM
	14495.19	14567.31	14495.19

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



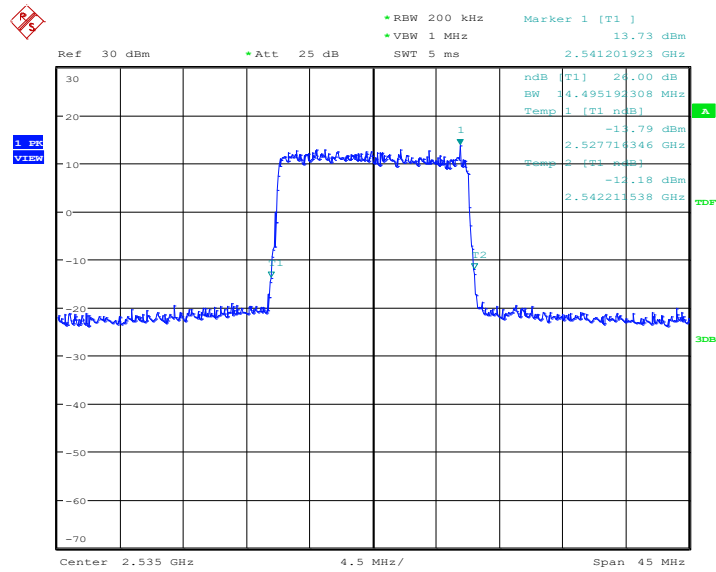
Date: 5.MAY.2021 08:56:32

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



Date: 5.MAY.2021 08:56:47

LTE band 7, 15MHz Bandwidth, 64QAM (-26dBc BW)

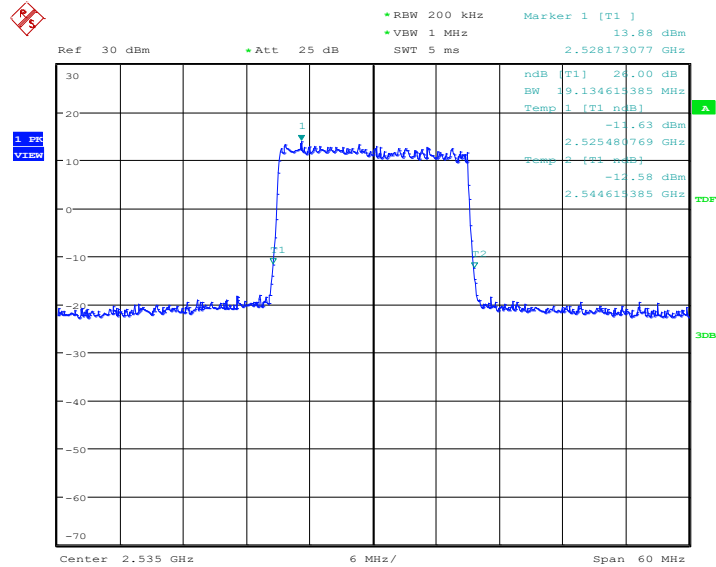


Date: 5.MAY.2021 12:24:18

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

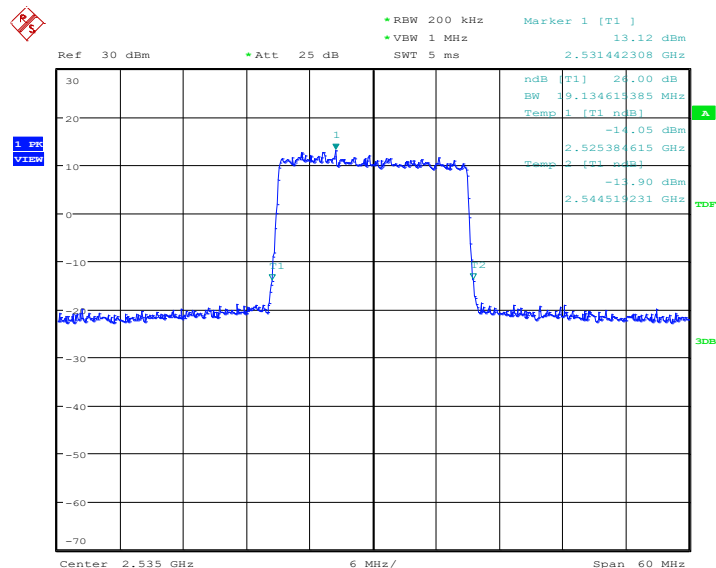
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
2535.0	QPSK	16QAM	64QAM
	19134.62	19134.62	19134.62

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



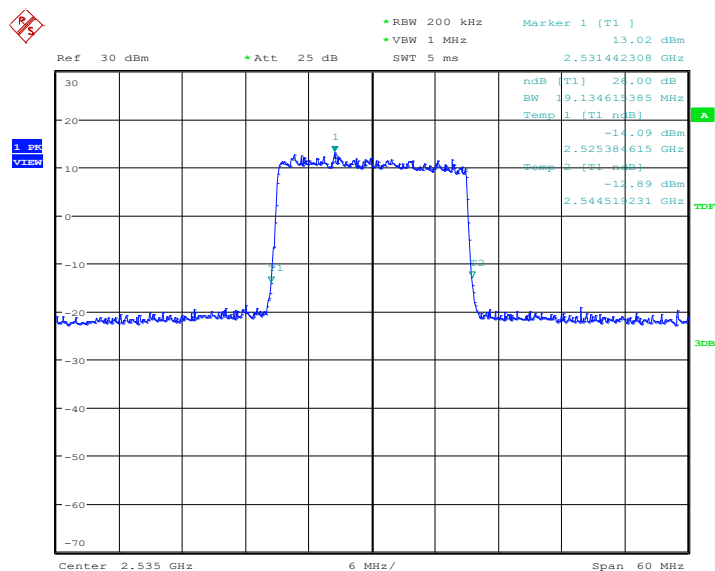
Date: 5.MAY.2021 08:58:50

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



Date: 5.MAY.2021 08:59:06

LTE band 7, 20MHz Bandwidth, 64QAM (-26dBc BW)



Date: 5.MAY.2021 12:26:07

Note: Expanded measurement uncertainty is $U = 3428\text{Hz}$, $k = 2$