LTE TEST REPORT

No. 25T04Z100529-011

for

TCL Communication Ltd.

GSM/UMTS/LTE/NR Mobile phone

Model Name: T513Z

FCC ID: 2ACCJH193

with

Hardware Version: 04

Software Version: 9GS5

Issued Date: 2025-04-25

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 CTTL.

Test Laboratory:

CTTL-Telecommunication Technology Labs, CAICT

No. 52, Huayuan North Road, Haidian District, Beijing, P. R. China 100191.

Tel:+86(0)10-62304633-2512, Fax:+86(0)10-62304633-2504

Email: cttl_terminals@caict.ac.cn, website: www.caict.ac.cn

REPORT HISTORY

Report Number	Revision	Description	Issue Date
25T04Z100529-011	Rev.0	1st edition	2025-04-25

Note: the latest revision of the test report supersedes all previous version.

CONTENTS

1. Test Laboratory

1.1. Introduction & Accreditation

Telecommunication Technology Labs, CAICT is an ISO/IEC 17025:2017 accredited test laboratory under American Association for Laboratory Accreditation (A2LA) with lab code 7049.01, and is also an FCC accredited test laboratory (CN1349), and ISED accredited test laboratory (CAB identifier:CN0066). The detail accreditation scope can be found on A2LA website.

1.2. Testing Location

Location 1: CTTL (huayuan North Road)

Address: No. 52, Huayuan North Road, Haidian District, Beijing, P. R. China 100191

Location 2: CTTL (BDA)

Address: No.18A, Kangding Street, Beijing Economic-Technology Development Area, Beijing, P. R. China 100176

1.3. Testing Environment

Normal Temperature: 15-35℃

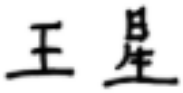
Relative Humidity: 20-75%

1.4. Project Data

Testing Start Date: 2025-03-17

Testing End Date: 2025-04-24

1.5. Signature



Wang Xing

(Prepared this test report)

Zhou Yu

(Reviewed this test report)

Zhao Hui Lin

(Approved this test report)

2. Client Information

2.1. Applicant Information

Company Name:	TCL Communication Ltd.
Address /Post:	5/F, Building 22E, 22 Science Park East Avenue, Hong Kong Science Park, Shatin, NT, Hong Kong
Contact:	Ting Wang
Email:	ting.wang.hz@tcl.com
Telephone:	+86 752 2639091
Fax:	+86 755 3661 2000-81722

2.2. Manufacturer Information

Company Name:	TCL Communication Ltd.
Address /Post:	5/F, Building 22E, 22 Science Park East Avenue, Hong Kong Science Park, Shatin, NT, Hong Kong
Contact:	Ting Wang
Email:	ting.wang.hz@tcl.com
Telephone:	+86 752 2639091
Fax:	+86 755 3661 2000-81722

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

3.1. About EUT

Description	GSM/UMTS/LTE/NR Mobile phone
Model Name	T513Z
FCC ID	2ACCJH193
Antenna	Embedded
Output power	24.07dBm maximum EIRP measured for LTE CA Band 41C
Extreme Voltage	3.6VDC to 3.87VDC (nominal: 4.45VDC)
Extreme Temperature	-10°C to 55°C

Note: Components list, please refer to documents of the manufacturer; it is also included in the original test record of CTTL.

3.2. Internal Identification of EUT used during the test

EUT ID*	IMEI	HW Version	SW Version	Date of receipt
UT24a	016681000014414/ 016681000014505	04	9GS5	2025-03-17
UT25a	016681000015288/ 016681000015387	04	9GS5	2025-03-17
UT26a	016681000014331/ 016681000014490	04	9GS5	2025-03-18

UT26a was used for emission limit test and UT24a, UT25a were used for other testing cases.

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

3.3. Internal Identification of AE used during the test

AE ID*	Description
AE1	Battery
AE2	Battery

AE1

Model	CAC4900007C7 (TLp049D7)
Manufacturer	VEKEN
Capacitance	4900mAh,Typ 5010mAh

AE2

Model	CAC4900033C9 (TLp049C9)
Manufacturer	FENGHUA
Capacitance	4900mAh,Typ5010mAh

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

4. Reference Documents

4.1. Documents supplied by applicant

EUT parameters are supplied by the customer, which are the bases of testing. CAICT is not responsible for the accuracy of customer supplied technical information that may affect the test results (for example, antenna gain and loss of customer supplied cable).

4.2. Reference Documents for testing

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

Reference	Title	Version
FCC Part 24	PERSONAL COMMUNICATIONS SERVICES	10-1-23 Edition
FCC Part 22	PUBLIC MOBILE SERVICES	10-1-23 Edition
FCC Part 27	MISCELLANEOUS WIRELESS COMMUNICATIONS SERVICES	10-1-23 Edition
FCC Part 90	PRIVATE LAND MOBILE RADIO SERVICES	10-1-23 Edition
FCC Part 96	CITIZENS BROADBAND RADIO SERVICE	10-1-23 Edition
ANSI/TIA-603-E	Land Mobile FM or PM Communications Equipment Measurement and Performance Standards	2016
ANSI C63.26	American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services	2015
KDB 971168 D01	MEASUREMENT GUIDANCE FOR CERTIFICATION OF LICENSED DIGITAL TRANSMITTERS	v03r01
KDB 940660 D01	CERTIFICATION AND TEST PROCEDURES FOR CITIZENS BROADBAND RADIO SERVICE DEVICES AUTHORIZED UNDER PART 96	v03

5. Summary of Test Result

LTE Band 7

Items	Test Name	Clause in FCC rules	Verdict
1	Output Power	27.50	P
2	Emission Limit	2.1051/27.53	P
3	Frequency Stability	2.1055	P
4	Occupied Bandwidth	2.1049	P
5	Emission Bandwidth	27.53	P
6	Band Edge Compliance	27.53	P
7	Conducted Spurious Emission	27.53	P
8	Peak-to-Average Power Ratio	27.50	P

LTE Band 12 (17)

Items	Test Name	Clause in FCC rules	Verdict
1	Output Power	27.50	P
2	Emission Limit	2.1051/27.53	P
3	Frequency Stability	2.1055	P
4	Occupied Bandwidth	2.1049	P
5	Emission Bandwidth	27.53	P
6	Band Edge Compliance	27.53	P
7	Conducted Spurious Emission	27.53	P
8	Peak-to-Average Power Ratio	27.50	P

LTE Band 13

Items	Test Name	Clause in FCC rules	Verdict
1	Output Power	27.50	P
2	Emission Limit	2.1051/27.53	P
3	Frequency Stability	2.1055	P
4	Occupied Bandwidth	2.1049	P
5	Emission Bandwidth	27.53	P
6	Band Edge Compliance	27.53	P
7	Conducted Spurious Emission	27.53	P
8	Peak-to-Average Power Ratio	27.50	P

LTE Band 14

Items	Test Name	Clause in FCC rules	Verdict
1	Output Power	90.542	P
2	Emission Limit	2.1051/90.543	P
3	Frequency Stability	2.1055	P
4	Occupied Bandwidth	2.1049	P
5	Emission Bandwidth	2.1049	P
6	Band Edge Compliance	90.543	P
7	Conducted Spurious Emission	90.543	P

LTE Band 25 (2)

Items	Test Name	Clause in FCC rules	Verdict
1	Output Power	24.232	P
2	Emission Limit	2.1051/24.238	P
3	Frequency Stability	2.1055	P
4	Occupied Bandwidth	2.1049	P
5	Emission Bandwidth	24.238	P
6	Band Edge Compliance	24.238	P
7	Conducted Spurious Emission	24.238	P
8	Peak-to-Average Power Ratio	24.232	P

LTE Band 26_Part90 (814MHz~824MHz)

Items	Test Name	Clause in FCC rules	Verdict
1	Output Power	90.635	P
2	Emission Limit	2.1051/90.691	P
3	Frequency Stability	2.1055	P
4	Occupied Bandwidth	2.1049	P
5	Emission Bandwidth	2.1049	P
6	Band Edge Compliance	90.691	P
7	Conducted Spurious Emission	90.691	P

LTE Band 26_Part22 (824MHz~849MHz) (5)

Items	Test Name	Clause in FCC rules	Verdict
1	Output Power	22.913	P
2	Emission Limit	2.1051/22.917	P
3	Frequency Stability	2.1055	P
4	Occupied Bandwidth	2.1049	P
5	Emission Bandwidth	22.917	P
6	Band Edge Compliance	22.917	P
7	Conducted Spurious Emission	22.917	P

LTE Band 30

Items	Test Name	Clause in FCC rules	Verdict
1	Output Power	27.50	P
2	Emission Limit	2.1051/27.53	P
3	Frequency Stability	2.1055	P
4	Occupied Bandwidth	2.1049	P
5	Emission Bandwidth	27.53	P
6	Band Edge Compliance	27.53	P
7	Conducted Spurious Emission	27.53	P
8	Peak-to-Average Power Ratio	27.50	P

LTE Band 41 (38)

Items	Test Name	Clause in FCC rules	Verdict
1	Output Power	27.50	P
2	Emission Limit	2.1051/27.53	P
3	Frequency Stability	2.1055	P
4	Occupied Bandwidth	2.1049	P
5	Emission Bandwidth	27.53	P
6	Band Edge Compliance	27.53	P
7	Conducted Spurious Emission	27.53	P
8	Peak-to-Average Power Ratio	27.50	P

LTE Band 48

Items	Test Name	Clause in FCC rules	Verdict
1	Output Power	96.41	P
2	Emission Limit	NA	P
3	Frequency Stability	2.1055	P
4	Occupied Bandwidth	2.1049	P
5	Emission Bandwidth	96.41	P
6	Band Edge Compliance	96.41	P
7	Conducted Spurious Emission	96.41	P
8	Peak-to-Average Power Ratio	96.41	P

LTE Band 66 (4)

Items	Test Name	Clause in FCC rules	Verdict
1	Output Power	27.50	P
2	Emission Limit	2.1051/27.53	P
3	Frequency Stability	2.1055	P
4	Occupied Bandwidth	2.1049	P
5	Emission Bandwidth	27.53	P
6	Band Edge Compliance	27.53	P
7	Conducted Spurious Emission	27.53	P
8	Peak-to-Average Power Ratio	27.50	P

LTE Band 71

Items	Test Name	Clause in FCC rules	Verdict
1	Output Power	27.50	P
2	Emission Limit	2.1051/27.53	P
3	Frequency Stability	2.1055	P
4	Occupied Bandwidth	2.1049	P
5	Emission Bandwidth	27.53	P
6	Band Edge Compliance	27.53	P
7	Conducted Spurious Emission	27.53	P
8	Peak-to-Average Power Ratio	27.50	P

Terms used in Verdict column

P	Pass. The EUT complies with the essential requirements in the standard.
NP	Not Performed. The test was not performed by CTTL.
NA	Not Applicable.The test was not applicable.
BR	Re-use test data from basic model report.
F	Fail. The EUT does not comply with the essential requirements in the standard.

All the test results are based on normal power.

Measurement uncertainty is not taken into account when stating conformity with a specified requirement.

LTE Band 25, Band 66, Band 26, Band 12 and Band 41 overlap the entire frequency range of LTE Band 2, Band 4, Band 5, Band 17 and Band 38. Therefore, test data provided in this report covers Band 2, Band 4, Band 5, Band 17 and Band 38 as well as Band 25, Band 66, Band 26, Band 12 and Band 41.

LTE Band 41 is tested by power class 2.

Explanation of worst-case configuration

The worst-case scenario for all measurements is based on the conducted output power measurement investigation results. Output power was measured on QPSK, 16QAM, 64QAM and 256QAM modulations. It was found that QPSK was the worst case. All testing was performed using QPSK modulations to represent the worst case unless otherwise stated. The test results shown in the following sections represent the worst case emission.

6. Test Equipment Utilized

Description	Type	Series Number	Manufacture	Cal Due Date	Calibration Interval
Wideband Radio Communication Tester	CMW500	159082	R&S	2025-12-03	1 year
Spectrum Analyzer	FSV	101576	R&S	2025-05-08	1 year
Signal&Spectrum Analyzer	FSW	104038	R&S	2025-07-02	1 year
PXA Signal Analyzer	N9030B	MY57142378	Keysight	2026-02-20	1 year
Climate chamber	SH-241	92004642	ESPEC	2025-10-29	1 year
Test Receiver	ESW44	103144	R&S	2026-01-05	1 year
EMI Antenna	VULB9163	9163-482	Schwarzbeck	2025-05-19	1 year
EMI Antenna	9117	167	Schwarzbeck	2026-10-15	3 years
EMI Antenna	LB-7180-NF	J203001300005	Yinglian	2025-05-16	1 year
EMI Antenna	3115	00146404	ETS-Lindgren	2025-05-16	1 year
Signal Generator	SMF100A	101295	R&S	2026-02-16	1 year
Universal Radio Communication Tester	CMW500	143008	R&S	2026-01-15	1 year
Universal Radio Communication Tester	MT8821C	62724459649	Anritsu	2026-07-06	2 years
Test Receiver	ESW44	103015	R&S	2026-01-15	1 year
EMI Antenna	LB-180400-25-C-KF	2110084000006	Yinglian	2025-05-22	1 year
EMI Antenna	3117	00058888	ETS	2025-09-18	1 year
EMI Antenna	VULB 9163	235	SCHWARZBECK	2025-08-27	1 year
EMI Antenna	3117	00119024	ETS	2025-10-23	1 year
EMI Antenna	3116	2663	ETS	2026-03-03	1 year

7. Measurement Uncertainty

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI C63.26. All measurement uncertainty values are shown with a coverage factor of k = 2 to indicate a 95% level of confidence. Measurement uncertainty is not taken into account when stating conformity with a specified requirement.

Test item		Measurement uncertainty
Output Power(dB)		1.90
Emission Limit(dB)		5.76
Frequency Stability	FE(ppm)	1.16
	F_LF_H(kHz)	173.51
Occupied Bandwidth(%)		0.72
Emission Bandwidth(%)		0.75
Band Edge Compliance(dB)		1.94
Conducted Spurious Emission(dB)		4.77(0-20GHz)
		6.27(20-30GHz)
Peak-to-Average Power Ratio(dB)		2.10

Annex A: Measurement Results

A.1 Output Power

A.1.1 Summary

During the process of testing, the EUT was controlled via communication tester to ensure max power transmission and proper modulation.

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.

The results below include a correction factor for cable loss that is provided by the customer.

A.1.2.2 Measurement Result

LTE band 7

Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)			
			QPSK	16QAM	64QAM	256QAM
5MHz	1 RB high	2567.5	23.11	22.16	21.22	18.17
		2535.0	22.97	22.01	21.03	17.95
		2502.5	22.81	21.69	20.68	17.43
	1 RB low	2567.5	23.02	22.08	21.28	18.07
		2535.0	22.96	22.01	21.07	17.92
		2502.5	22.65	21.49	20.62	17.23
	50% RB mid	2567.5	22.07	21.12	20.20	18.09
		2535.0	21.94	21.02	19.99	17.91
		2502.5	21.79	20.82	19.77	17.72
	100% RB	2567.5	22.07	21.03	20.09	18.06
		2535.0	21.97	20.93	19.90	17.88
		2502.5	21.78	20.73	19.71	17.70
10MHz	1 RB high	2565.0	23.17	22.20	21.06	18.23
		2535.0	23.06	22.07	20.95	18.08
		2505.0	22.91	21.90	20.79	17.92
	1 RB low	2565.0	23.04	22.06	20.93	18.08
		2535.0	23.02	22.01	20.77	18.01
		2505.0	22.67	21.66	20.62	17.69
	50% RB mid	2565.0	22.10	21.14	20.15	18.07
		2535.0	22.04	21.10	20.03	17.98
		2505.0	21.94	20.95	19.95	17.85
	100% RB	2565.0	22.09	21.12	20.06	18.04

		2535.0	22.04	21.05	19.93	17.92
		2505.0	21.86	20.89	19.77	17.75
15MHz	1 RB high	2562.5	23.10	22.51	21.51	18.43
		2535.0	22.98	22.38	21.37	18.24
		2507.5	22.89	22.32	21.24	18.16
	1 RB low	2562.5	22.95	22.36	21.43	18.24
		2535.0	22.94	22.35	21.26	18.20
		2507.5	22.62	22.03	21.17	17.92
	50% RB mid	2562.5	22.02	21.01	19.98	17.98
		2535.0	21.98	20.94	19.93	17.91
		2507.5	21.91	20.84	19.87	17.80
	100% RB	2562.5	22.01	21.04	19.99	18.03
		2535.0	21.99	20.98	19.94	17.92
		2507.5	21.85	20.88	19.82	17.82
20MHz	1 RB high	2560.0	23.05	22.73	21.00	18.11
		2535.0	22.96	22.27	20.87	17.94
		2510.0	23.00	22.65	20.79	17.87
	1 RB low	2560.0	22.89	22.49	21.36	17.88
		2535.0	22.84	22.17	21.24	17.90
		2510.0	22.61	22.27	21.16	17.53
	50% RB mid	2560.0	22.05	20.99	20.10	18.06
		2535.0	21.95	20.94	20.00	17.99
		2510.0	21.94	20.82	19.99	17.90
	100% RB	2560.0	22.00	20.99	20.02	18.00
		2535.0	21.93	20.96	19.97	17.94
		2510.0	21.86	20.85	19.89	17.88

LTE band 12

Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)			
			QPSK	16QAM	64QAM	256QAM
1.4MHz	1 RB high	715.3	22.71	21.90	20.99	18.10
		707.5	22.83	21.98	20.94	18.15
		699.7	22.75	22.04	21.09	18.13
	1 RB low	715.3	22.75	21.95	20.99	18.09
		707.5	22.83	22.03	21.02	18.20
		699.7	22.81	21.99	21.07	18.13
	50% RB mid	715.3	22.70	21.73	20.94	18.03
		707.5	22.73	21.77	20.89	18.06
		699.7	22.78	21.76	21.05	18.10
	100% RB	715.3	21.70	20.89	19.77	18.06
		707.5	21.76	20.87	19.77	18.09
		699.7	21.79	20.98	19.88	18.11
3MHz	1 RB high	714.5	22.74	21.96	20.98	18.10
		707.5	22.77	21.97	20.97	18.13
		700.5	22.75	22.01	21.10	18.09
	1 RB low	714.5	22.74	21.98	20.96	18.12
		707.5	22.77	21.97	20.92	18.15
		700.5	22.78	21.99	21.05	18.14
	50% RB mid	714.5	21.68	20.89	19.84	18.00
		707.5	21.76	20.89	19.88	18.15
		700.5	21.76	20.98	19.94	18.12
	100% RB	714.5	21.73	20.82	19.81	18.11
		707.5	21.75	20.82	19.80	18.13
		700.5	21.78	20.91	19.89	18.16
5MHz	1 RB high	713.5	22.76	22.01	21.01	18.13
		707.5	22.84	22.01	21.02	18.23
		701.5	22.95	22.15	21.10	18.32
	1 RB low	713.5	22.78	22.01	21.01	18.12
		707.5	22.76	22.00	21.01	18.13
		701.5	22.79	22.09	21.15	18.15
	50% RB mid	713.5	21.77	20.87	19.94	18.13
		707.5	21.81	20.87	19.89	18.14
		701.5	21.80	20.95	19.96	18.14
	100% RB	713.5	21.79	20.89	19.87	18.17
		707.5	21.85	20.87	19.87	18.21
		701.5	21.83	20.93	19.93	18.19
10MHz	1 RB high	711.0	22.95	22.08	21.02	18.27
		707.5	22.87	22.13	21.05	18.19
		704.0	22.93	22.09	21.01	18.31
	1 RB low	711.0	22.91	22.06	20.96	18.24

		707.5	22.82	22.03	21.03	18.16
		704.0	22.82	22.12	21.13	18.15
	50% RB mid	711.0	21.81	20.86	19.83	18.14
		707.5	21.82	20.85	19.83	18.17
		704.0	21.85	20.87	19.86	18.24
	100% RB	711.0	21.75	20.80	19.81	18.10
		707.5	21.84	20.84	19.83	18.17
		704.0	21.86	20.91	19.89	18.19

LTE band 13

Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)			
			QPSK	16QAM	64QAM	256QAM
5MHz	1 RB high	784.5	22.89	22.16	21.10	18.12
		782.0	22.95	22.21	21.08	18.11
		779.5	22.96	22.23	21.08	18.19
	1 RB low	784.5	22.91	22.15	21.09	18.15
		782.0	23.00	22.15	21.09	18.23
		779.5	23.06	22.08	21.06	18.25
	50% RB mid	784.5	21.93	20.97	20.04	18.17
		782.0	21.93	20.94	20.05	18.10
		779.5	21.95	20.94	20.07	18.15
	100% RB	784.5	21.97	20.94	20.01	18.21
		782.0	21.98	20.96	20.00	18.15
		779.5	21.96	20.95	20.04	18.17
10MHz	1 RB high	782.0	22.96	22.19	21.09	18.15
	1 RB low	782.0	23.01	22.13	21.14	18.23
	50% RB mid	782.0	21.96	20.93	19.99	18.19
	100% RB	782.0	21.90	20.90	19.95	18.13

LTE band 14

Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)			
			QPSK	16QAM	64QAM	256QAM
5MHz	1 RB high	795.5	23.13	22.48	21.33	18.26
		793.0	23.24	22.47	21.35	18.40
		790.5	23.30	22.54	21.43	18.45
	1 RB low	795.5	23.30	22.57	21.40	18.46
		793.0	23.27	22.45	21.39	18.41
		790.5	23.26	22.51	21.40	18.39
	50% RB mid	795.5	22.21	21.23	20.36	18.35
		793.0	22.28	21.28	20.37	18.41
		790.5	22.24	21.26	20.40	18.43
	100% RB	795.5	22.26	21.23	20.30	18.42
		793.0	22.28	21.28	20.31	18.46
		790.5	22.28	21.26	20.32	18.45
10MHz	1 RB high	793.0	23.23	22.51	21.31	18.35
	1 RB low	793.0	23.20	22.50	21.40	18.38
	50% RB mid	793.0	22.22	21.25	20.32	18.39
	100% RB	793.0	22.22	21.22	20.30	18.37

LTE band 25

Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)			
			QPSK	16QAM	64QAM	256QAM
1.4MHz	1 RB high	1914.3	23.50	22.73	21.48	18.53
		1882.5	23.55	22.61	21.67	18.38
		1850.7	23.47	22.57	21.95	18.69
	1 RB low	1914.3	23.51	22.72	21.35	18.55
		1882.5	23.54	22.59	21.66	18.39
		1850.7	23.50	22.62	21.88	18.71
	50% RB mid	1914.3	23.51	22.73	21.71	18.44
		1882.5	23.59	22.74	21.39	18.53
		1850.7	23.64	22.79	21.54	18.60
	100% RB	1914.3	22.58	21.44	20.51	18.49
		1882.5	22.53	21.74	20.50	18.54
		1850.7	22.58	21.78	20.55	18.56
3MHz	1 RB high	1913.5	23.53	22.60	21.85	18.94
		1882.5	23.56	22.60	21.50	18.59
		1851.5	23.60	22.64	21.88	18.99
	1 RB low	1913.5	23.59	22.65	22.09	18.97
		1882.5	23.52	22.59	21.36	18.54
		1851.5	23.58	22.65	22.19	18.98
	50% RB mid	1913.5	22.58	21.64	20.52	18.39
		1882.5	22.59	21.60	20.62	18.55
		1851.5	22.63	21.67	20.55	18.59
	100% RB	1913.5	22.59	21.55	20.40	18.42
		1882.5	22.57	21.49	20.59	18.52
		1851.5	22.65	21.58	20.60	18.54
5MHz	1 RB high	1912.5	23.64	22.86	21.56	18.32
		1882.5	23.68	22.65	21.81	18.68
		1852.5	23.73	22.74	21.87	18.73
	1 RB low	1912.5	23.73	22.98	21.50	18.37
		1882.5	23.67	22.67	21.83	18.70
		1852.5	23.74	22.70	21.86	18.74
	50% RB mid	1912.5	22.64	21.76	20.76	18.72
		1882.5	22.62	21.68	20.75	18.67
		1852.5	22.66	21.70	20.68	18.68
	100% RB	1912.5	22.72	21.66	20.71	18.68
		1882.5	22.63	21.59	20.65	18.63
		1852.5	22.71	21.63	20.69	18.68
10MHz	1 RB high	1910.0	23.65	22.69	21.57	18.73
		1882.5	23.67	22.69	21.60	18.73
		1855.0	23.75	22.92	21.67	18.84
	1 RB low	1910.0	23.63	22.71	21.49	18.71

		1882.5	23.61	22.67	21.45	18.72
		1855.0	23.68	22.87	21.55	18.76
	50% RB mid	1910.0	22.75	21.83	20.76	18.72
		1882.5	22.67	21.73	20.70	18.67
		1855.0	22.76	21.79	20.80	18.73
	100% RB	1910.0	22.77	21.78	20.70	18.68
		1882.5	22.68	21.68	20.65	18.61
		1855.0	22.72	21.74	20.69	18.67
15MHz	1 RB high	1907.5	23.65	23.01	22.03	18.91
		1882.5	23.57	22.99	21.95	18.87
		1857.5	23.73	22.89	22.08	19.02
	1 RB low	1907.5	23.61	22.95	21.97	18.89
		1882.5	23.62	23.01	21.89	18.97
		1857.5	23.68	22.88	22.07	19.00
	50% RB mid	1907.5	22.68	21.65	20.60	18.59
		1882.5	22.61	21.61	20.56	18.56
		1857.5	22.72	21.66	20.69	18.63
	100% RB	1907.5	22.68	21.68	20.64	18.64
		1882.5	22.63	21.63	20.62	18.61
		1857.5	22.70	21.71	20.67	18.69
20MHz	1 RB high	1905.0	23.67	23.34	21.53	18.64
		1882.5	23.63	23.33	21.51	18.57
		1860.0	23.70	23.36	21.59	18.69
	1 RB low	1905.0	23.60	23.28	21.90	18.59
		1882.5	23.62	23.29	21.85	18.64
		1860.0	23.63	23.33	21.95	18.67
	50% RB mid	1905.0	22.73	21.67	20.73	18.66
		1882.5	22.69	21.64	20.64	18.65
		1860.0	22.78	21.72	20.78	18.76
	100% RB	1905.0	22.68	21.70	20.66	18.65
		1882.5	22.70	21.67	20.68	18.66
		1860.0	22.75	21.72	20.75	18.72

LTE band 26_Part22

Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)			
			QPSK	16QAM	64QAM	256QAM
1.4MHz	1 RB high	848.3	22.65	21.83	20.52	17.98
		836.5	22.64	21.83	20.54	17.88
		824.7	22.63	21.69	20.59	17.96
	1 RB low	848.3	22.69	21.71	20.60	17.97
		836.5	22.64	21.85	20.51	17.87
		824.7	22.64	21.70	20.46	17.96
	50% RB mid	848.3	22.85	21.89	20.99	18.00
		836.5	22.70	21.78	20.91	17.85
		824.7	22.80	21.85	20.65	18.01
	100% RB	848.3	21.79	20.93	19.79	17.97
		836.5	21.62	20.82	19.69	17.82
		824.7	21.70	20.94	19.69	17.99
3MHz	1 RB high	847.5	22.63	21.78	20.53	17.92
		836.5	22.63	21.64	20.45	17.83
		825.5	22.70	21.73	20.59	17.96
	1 RB low	847.5	22.67	21.76	20.33	17.90
		836.5	22.65	21.69	20.44	17.81
		825.5	22.71	21.75	20.43	17.96
	50% RB mid	847.5	21.64	20.78	19.73	17.98
		836.5	21.66	20.73	19.73	17.87
		825.5	21.71	20.74	19.65	17.95
	100% RB	847.5	21.77	20.67	19.72	17.94
		836.5	21.72	20.64	19.65	17.86
		825.5	21.74	20.67	19.76	17.94
5MHz	1 RB high	846.5	22.87	21.76	21.12	18.08
		836.5	22.85	21.77	21.00	17.97
		826.5	22.88	21.93	20.96	18.08
	1 RB low	846.5	22.84	21.87	21.05	18.05
		836.5	22.79	21.79	21.02	18.00
		826.5	22.92	21.91	21.06	18.14
	50% RB mid	846.5	21.76	20.88	19.93	18.11
		836.5	21.76	20.83	19.90	17.99
		826.5	21.74	20.84	19.81	18.09
	100% RB	846.5	21.84	20.76	19.86	18.06
		836.5	21.80	20.73	19.81	17.95
		826.5	21.82	20.77	19.83	18.05
10MHz	1 RB high	844.0	22.85	21.91	20.75	18.16
		836.5	22.84	21.89	20.69	18.10
		829.0	22.85	21.84	20.73	18.06
	1 RB low	844.0	22.84	21.90	20.71	18.04

		836.5	22.84	21.82	20.60	18.05
		829.0	22.86	21.92	20.62	18.13
	50% RB mid	844.0	21.82	20.89	19.88	18.06
		836.5	21.83	20.83	19.88	17.96
		829.0	21.80	20.87	19.90	18.06
	100% RB	844.0	21.82	20.81	19.78	17.97
		836.5	21.80	20.82	19.79	17.93
		829.0	21.82	20.83	19.83	17.99
15MHz	1 RB high	841.5	22.86	22.14	21.33	18.37
		836.5	22.86	22.24	21.28	18.29
		831.5	22.81	22.17	21.22	18.23
	1 RB low	841.5	22.82	22.20	21.25	18.27
		836.5	22.85	22.19	21.26	18.31
		831.5	22.84	22.18	21.14	18.32
	50% RB mid	841.5	21.85	20.83	19.85	18.03
		836.5	21.84	20.80	19.83	17.97
		831.5	21.84	20.82	19.83	18.01
	100% RB	841.5	21.82	20.88	19.86	18.04
		836.5	21.85	20.88	19.87	18.00
		831.5	21.83	20.87	19.85	18.03

LTE band 26_Part90

Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)			
			QPSK	16QAM	64QAM	256QAM
1.4MHz	1 RB high	823.3	22.68	21.79	20.68	18.04
		819.0	22.74	21.88	20.73	18.00
		814.7	22.71	21.76	21.14	18.09
	1 RB low	823.3	22.70	21.80	20.51	17.97
		819.0	22.76	21.90	20.60	18.00
		814.7	22.70	21.77	21.04	18.09
	50% RB mid	823.3	22.81	21.90	20.64	17.99
		819.0	22.85	21.91	20.65	18.04
		814.7	22.85	21.90	20.71	18.01
	100% RB	823.3	21.74	20.90	19.71	17.95
		819.0	21.77	20.94	19.73	18.02
		814.7	21.75	20.92	19.73	17.95
3MHz	1 RB high	822.5	22.71	21.73	20.54	18.00
		819.0	22.72	21.77	20.60	17.94
		815.5	22.79	21.82	20.67	18.02
	1 RB low	822.5	22.72	21.79	20.44	17.91
		819.0	22.75	21.81	20.53	17.93
		815.5	22.75	21.85	20.57	17.99
	50% RB mid	822.5	21.68	20.76	19.78	17.98
		819.0	21.72	20.76	19.79	18.01
		815.5	21.73	20.81	19.68	18.02
	100% RB	822.5	21.72	20.69	19.73	17.98
		819.0	21.74	20.69	19.76	17.96
		815.5	21.79	20.72	19.79	17.95
5MHz	1 RB high	821.5	22.83	21.90	21.05	18.13
		819.0	22.87	21.87	21.03	18.06
		816.5	22.93	21.96	21.10	18.11
	1 RB low	821.5	22.88	21.90	21.07	18.09
		819.0	22.90	21.95	21.09	18.11
		816.5	22.94	21.93	21.13	18.12
	50% RB mid	821.5	21.80	20.86	19.95	18.09
		819.0	21.81	20.88	19.97	18.12
		816.5	21.83	20.88	19.92	18.16
	100% RB	821.5	21.85	20.78	19.88	18.09
		819.0	21.87	20.81	19.90	18.09
		816.5	21.89	20.86	19.93	18.12
10MHz	1 RB high	819.0	22.92	21.96	20.79	18.22
	1 RB low	819.0	22.89	21.91	20.70	18.11
	50% RB mid	819.0	21.86	20.93	19.93	18.10
	100% RB	819.0	21.88	20.89	19.89	18.03

LTE band 30

Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)			
			QPSK	16QAM	64QAM	256QAM
5MHz	1 RB high	2312.5	23.02	22.11	21.30	18.23
		2310.0	23.03	22.07	21.30	18.19
		2307.5	22.92	21.93	21.09	17.83
	1 RB low	2312.5	23.05	22.10	21.30	18.25
		2310.0	23.01	22.11	21.33	18.26
		2307.5	22.93	21.88	20.98	17.76
	50% RB mid	2312.5	22.04	21.10	20.25	18.18
		2310.0	22.03	21.12	20.22	18.18
		2307.5	22.01	21.11	20.15	18.17
	100% RB	2312.5	22.05	21.00	20.13	18.12
		2310.0	22.06	21.01	20.14	18.13
		2307.5	22.07	21.00	20.15	18.14
10MHz	1 RB high	2310.0	23.14	22.18	21.24	18.32
	1 RB low	2310.0	22.98	22.11	20.90	18.17
	50% RB mid	2310.0	22.14	21.21	20.23	18.18
	100% RB	2310.0	22.14	21.17	20.14	18.14

LTE band 41

Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)			
			QPSK	16QAM	64QAM	256QAM
5MHz	1 RB high	2687.5	26.26	25.53	24.89	21.56
		2593.0	26.39	25.63	24.96	21.52
		2498.5	25.90	24.79	23.91	21.18
	1 RB low	2687.5	26.22	25.45	24.80	21.57
		2593.0	26.32	25.58	24.95	21.45
		2498.5	25.91	24.78	24.08	21.15
	50% RB mid	2687.5	25.17	24.27	23.40	21.33
		2593.0	25.27	24.37	23.34	21.27
		2498.5	24.82	23.94	22.90	20.99
	100% RB	2687.5	25.21	24.20	23.28	21.30
		2593.0	25.31	24.26	23.19	21.26
		2498.5	24.87	23.90	22.92	20.97
10MHz	1 RB high	2685.0	26.25	25.50	24.38	21.53
		2593.0	26.42	25.55	24.51	21.52
		2501.0	25.91	25.05	24.00	21.09
	1 RB low	2685.0	26.22	25.37	24.48	21.57
		2593.0	26.37	25.49	24.57	21.47
		2501.0	25.86	25.00	24.03	21.05
	50% RB mid	2685.0	25.24	24.15	23.37	21.32
		2593.0	25.38	24.26	23.24	21.22
		2501.0	24.92	23.86	22.91	20.91
	100% RB	2685.0	25.18	24.16	23.33	21.30
		2593.0	25.32	24.35	23.22	21.22
		2501.0	24.88	23.91	22.96	20.92
15MHz	1 RB high	2682.5	26.28	25.43	24.51	21.72
		2593.0	26.36	25.60	24.60	21.69
		2503.5	25.86	25.08	24.12	21.41
	1 RB low	2682.5	26.29	25.38	24.52	21.78
		2593.0	26.30	25.46	24.67	21.60
		2503.5	25.83	25.01	24.22	21.27
	50% RB mid	2682.5	25.12	24.08	23.26	21.26
		2593.0	25.26	24.27	23.22	21.14
		2503.5	24.84	23.85	22.91	20.88
	100% RB	2682.5	25.16	24.14	23.32	21.28
		2593.0	25.27	24.29	23.24	21.20
		2503.5	24.84	23.87	22.92	20.88
20MHz	1 RB high	2680.0	26.40	25.59	24.54	21.93
		2593.0	26.49	25.73	24.69	21.93
		2506.0	25.99	25.21	24.20	21.62
	1 RB low	2680.0	26.30	25.52	24.57	21.95

		2593.0	26.32	25.54	24.66	21.74
		2506.0	25.89	25.16	24.19	21.37
	50% RB mid	2680.0	25.16	24.17	23.34	21.42
		2593.0	25.37	24.37	23.31	21.24
		2506.0	24.98	23.92	23.01	20.98
	100% RB	2680.0	25.18	24.14	23.38	21.34
		2593.0	25.34	24.33	23.25	21.26
		2506.0	24.89	23.89	22.95	20.96

LTE band 48

Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)			
			QPSK	16QAM	64QAM	256QAM
5MHz	1 RB high	3697.5	23.67	22.89	22.09	18.77
		3625.0	23.54	22.76	22.00	18.67
		3552.5	23.12	22.03	21.41	18.00
	1 RB low	3697.5	23.70	22.90	22.06	18.78
		3625.0	23.55	22.75	21.91	18.62
		3552.5	23.13	22.02	21.31	17.98
	50% RB mid	3697.5	22.61	21.71	20.62	18.58
		3625.0	22.47	21.59	20.46	18.40
		3552.5	21.97	21.08	19.81	17.78
	100% RB	3697.5	22.65	21.64	20.55	18.58
		3625.0	22.56	21.54	20.37	18.40
		3552.5	22.01	21.02	19.79	17.81
10MHz	1 RB high	3695.0	23.66	22.79	21.63	18.78
		3625.0	23.63	22.74	21.55	18.71
		3555.0	23.07	22.19	20.88	18.01
	1 RB low	3695.0	23.68	22.82	21.76	18.76
		3625.0	23.53	22.68	21.66	18.58
		3555.0	23.09	22.23	21.00	17.98
	50% RB mid	3695.0	22.62	21.62	20.57	18.56
		3625.0	22.51	21.50	20.39	18.39
		3555.0	22.02	21.00	19.79	17.79
	100% RB	3695.0	22.61	21.63	20.59	18.58
		3625.0	22.53	21.52	20.39	18.38
		3555.0	22.01	21.02	19.83	17.80
15MHz	1 RB high	3692.5	23.63	22.83	21.83	18.84
		3625.0	23.62	22.79	21.79	18.81
		3557.5	23.12	22.28	21.21	18.18
	1 RB low	3692.5	23.66	22.82	21.90	18.79
		3625.0	23.50	22.66	21.83	18.61
		3557.5	23.04	22.18	21.23	18.06
	50% RB mid	3692.5	22.62	21.68	20.59	18.53
		3625.0	22.48	21.51	20.37	18.30
		3557.5	22.03	21.04	19.82	17.74
	100% RB	3692.5	22.65	21.62	20.64	18.65
		3625.0	22.49	21.53	20.40	18.39
		3557.5	22.03	21.04	19.86	17.88
20MHz	1 RB high	3690.0	23.70	22.96	21.93	19.09
		3625.0	23.69	22.92	21.82	19.02

		3560.0	23.22	22.45	21.24	18.37
	1 RB low	3690.0	23.71	22.96	21.84	19.05
		3625.0	23.55	22.80	21.74	18.83
		3560.0	23.09	22.38	21.17	18.20
	50% RB mid	3690.0	22.67	21.69	20.67	18.60
		3625.0	22.52	21.57	20.46	18.43
		3560.0	22.12	21.11	19.99	17.88
	100% RB	3690.0	22.62	21.64	20.62	18.64
		3625.0	22.52	21.53	20.44	18.43
		3560.0	22.08	21.07	19.95	17.89

LTE band 66

Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)			
			QPSK	16QAM	64QAM	256QAM
1.4MHz	1 RB high	1779.3	23.50	22.56	21.50	18.53
		1745.0	23.66	22.76	21.66	18.68
		1710.7	23.55	22.64	21.95	18.71
	1 RB low	1779.3	23.50	22.57	21.33	18.50
		1745.0	23.61	22.66	21.49	18.67
		1710.7	23.53	22.64	21.86	18.67
	50% RB mid	1779.3	23.59	22.72	21.37	18.49
		1745.0	23.72	22.83	21.47	18.60
		1710.7	23.66	22.77	21.48	18.61
	100% RB	1779.3	22.52	21.72	20.43	18.47
		1745.0	22.65	21.85	20.57	18.60
		1710.7	22.58	21.78	20.56	18.60
3MHz	1 RB high	1778.5	23.49	22.53	21.42	18.50
		1745.0	23.61	22.64	21.52	18.60
		1711.5	23.54	23.09	21.50	18.58
	1 RB low	1778.5	23.46	22.51	21.25	18.46
		1745.0	23.65	22.69	21.36	18.65
		1711.5	23.61	23.14	21.34	18.60
	50% RB mid	1778.5	22.49	21.54	20.55	18.49
		1745.0	22.68	21.72	20.74	18.66
		1711.5	22.56	21.63	20.53	18.57
	100% RB	1778.5	22.53	21.46	20.50	18.46
		1745.0	22.69	21.63	20.74	18.67
		1711.5	22.60	21.52	20.62	18.56
5MHz	1 RB high	1777.5	23.59	22.59	21.56	18.32
		1745.0	23.83	22.78	21.94	18.77
		1712.5	23.72	22.52	21.84	18.72
	1 RB low	1777.5	23.60	22.61	21.47	18.28
		1745.0	23.88	22.81	21.94	18.87
		1712.5	23.74	22.53	21.87	18.72
	50% RB mid	1777.5	22.57	21.64	20.74	18.64
		1745.0	22.72	21.78	20.88	18.83
		1712.5	22.61	21.71	20.66	18.71
	100% RB	1777.5	22.59	21.53	20.61	18.63
		1745.0	22.77	21.71	20.79	18.78
		1712.5	22.69	21.61	20.68	18.67
10MHz	1 RB high	1775.0	23.64	22.66	21.61	18.75
		1745.0	23.72	22.72	21.66	18.82
		1715.0	23.71	22.73	21.63	18.75
	1 RB low	1775.0	23.55	22.62	21.44	18.66

		1745.0	23.72	22.77	21.46	18.83
		1715.0	23.64	22.68	21.49	18.71
	50% RB mid	1775.0	22.62	21.72	20.64	18.65
		1745.0	22.77	21.83	20.82	18.78
		1715.0	22.72	21.74	20.76	18.68
	100% RB	1775.0	22.64	21.64	20.61	18.58
		1745.0	22.78	21.77	20.74	18.72
		1715.0	22.71	21.73	20.68	18.68
15MHz	1 RB high	1772.5	23.62	23.00	22.01	18.95
		1745.0	23.65	23.06	22.08	18.98
		1717.5	23.74	23.13	22.17	19.09
	1 RB low	1772.5	23.60	22.95	21.96	18.93
		1745.0	23.73	23.09	22.02	19.06
		1717.5	23.61	23.06	22.11	19.02
	50% RB mid	1772.5	22.55	21.54	20.53	18.51
		1745.0	22.68	21.68	20.66	18.69
		1717.5	22.70	21.60	20.71	18.61
	100% RB	1772.5	22.55	21.56	20.58	18.57
		1745.0	22.72	21.73	20.71	18.75
		1717.5	22.67	21.68	20.67	18.68
20MHz	1 RB high	1770.0	23.63	23.31	21.53	18.63
		1745.0	23.77	23.42	21.61	18.75
		1720.0	23.78	23.50	21.65	18.74
	1 RB low	1770.0	23.59	23.26	21.89	18.57
		1745.0	23.72	23.39	21.97	18.72
		1720.0	23.67	23.34	22.02	18.65
	50% RB mid	1770.0	22.58	21.60	20.57	18.60
		1745.0	22.78	21.72	20.77	18.74
		1720.0	22.80	21.69	20.79	18.71
	100% RB	1770.0	22.59	21.60	20.58	18.54
		1745.0	22.77	21.76	20.76	18.75
		1720.0	22.73	21.72	20.72	18.75

LTE band 71

Bandwidth	RB size/offset	Frequency (MHz)	Power (dBm)			
			QPSK	16QAM	64QAM	256QAM
5MHz	1 RB high	695.5	23.06	22.26	21.24	17.98
		680.5	23.14	22.31	21.29	18.07
		665.5	23.04	22.27	21.13	17.96
	1 RB low	695.5	23.12	22.31	21.31	18.00
		680.5	23.19	22.36	21.33	18.06
		665.5	23.19	22.22	21.07	18.11
	50% RB mid	695.5	22.16	21.15	20.20	18.04
		680.5	22.15	21.19	20.21	18.02
		665.5	22.03	21.02	20.07	17.91
	100% RB	695.5	22.18	21.17	20.15	18.13
		680.5	22.18	21.19	20.17	18.06
		665.5	22.07	21.04	19.99	18.00
10MHz	1 RB high	693.0	23.11	22.31	21.29	17.98
		680.5	23.22	22.37	21.28	18.13
		668.0	23.07	22.28	21.28	18.00
	1 RB low	693.0	23.17	22.28	21.31	18.08
		680.5	23.17	22.42	21.37	18.08
		668.0	23.22	22.30	21.15	18.10
	50% RB mid	693.0	22.09	21.11	20.08	18.03
		680.5	22.18	21.15	20.13	18.12
		668.0	22.05	21.02	20.00	17.92
	100% RB	693.0	22.11	21.10	20.08	18.00
		680.5	22.16	21.19	20.15	18.04
		668.0	22.02	21.05	20.06	17.95
15MHz	1 RB high	690.5	23.16	22.39	21.34	18.07
		680.5	23.23	22.42	21.27	18.12
		670.5	23.18	22.38	21.26	18.06
	1 RB low	690.5	23.20	22.38	21.22	18.12
		680.5	23.15	22.40	21.32	18.07
		670.5	23.16	22.20	21.11	18.07
	50% RB mid	690.5	22.15	21.13	20.12	18.08
		680.5	22.12	21.17	20.16	18.02
		670.5	22.03	21.09	20.08	17.98
	100% RB	690.5	22.14	21.14	20.14	18.07
		680.5	22.20	21.20	20.18	18.08
		670.5	22.09	21.11	20.07	17.99
20MHz	1 RB high	688.0	23.27	22.31	21.25	18.20
		680.5	23.28	22.42	21.36	18.21
		673.0	23.30	22.52	21.33	18.19
	1 RB low	688.0	23.25	22.46	21.37	18.20

		680.5	23.12	22.27	21.23	18.02
		673.0	23.14	22.31	21.10	18.01
	50% RB mid	688.0	22.24	21.19	20.18	18.13
		680.5	22.22	21.23	20.19	18.16
		673.0	22.16	21.16	20.14	18.05
	100% RB	688.0	22.20	21.16	20.13	18.14
		680.5	22.17	21.17	20.15	18.07
		673.0	22.10	21.09	20.09	17.98

LTE CA band 41C

Bandwidth	Frequency(MHz)	Frequency(MHz)	Modulation	PCC RB		SCC RB		Conducted Power(dBm)
				Size	Offset	Size	Offset	
5MHz/20MHz	2583.8	2595.5	QPSK	1	24	1	0	26.22
			QPSK	25	0	100	0	24.26
			16QAM	1	24	1	0	24.86
			16QAM	25	0	100	0	23.17
			64QAM	1	24	1	0	23.10
			64QAM	25	0	100	0	23.22
			256QAM	1	24	1	0	21.14
			256QAM	25	0	100	0	21.11
10MHz/15MHz	2585.9	2597.9	QPSK	1	49	1	0	26.37
			QPSK	50	0	75	0	24.35
			16QAM	1	49	1	0	24.91
			16QAM	50	0	75	0	23.21
			64QAM	1	49	1	0	22.97
			64QAM	50	0	75	0	23.24
			256QAM	1	49	1	0	21.23
			256QAM	50	0	75	0	21.21
10MHz/20MHz	2583.6	2598.0	QPSK	1	49	1	0	26.39
			QPSK	50	0	100	0	24.42
			16QAM	1	49	1	0	24.66
			16QAM	50	0	100	0	23.29
			64QAM	1	49	1	0	22.78
			64QAM	50	0	100	0	23.27
			256QAM	1	49	1	0	21.22
			256QAM	50	0	100	0	21.22
15MHz/10MHz	2588.1	2600.1	QPSK	1	74	1	0	26.47
			QPSK	75	0	50	0	24.39
			16QAM	1	74	1	0	24.99
			16QAM	75	0	50	0	23.29
			64QAM	1	74	1	0	23.53
			64QAM	75	0	50	0	23.27
			256QAM	1	74	1	0	21.31
			256QAM	75	0	50	0	21.22
15MHz/15MHz	2585.5	2600.5	QPSK	1	74	1	0	26.52
			QPSK	75	0	75	0	24.44
			16QAM	1	74	1	0	24.66
			16QAM	75	0	75	0	23.36
			64QAM	1	74	1	0	23.54
			64QAM	75	0	75	0	23.29
			256QAM	1	74	1	0	21.23
			256QAM	75	0	75	0	21.20

15MHz/20MHz	2583.3	2600.4	QPSK	1	74	1	0	26.51
			QPSK	75	0	100	0	24.37
			16QAM	1	74	1	0	24.92
			16QAM	75	0	100	0	23.26
			64QAM	1	74	1	0	23.49
			64QAM	75	0	100	0	23.18
			256QAM	1	74	1	0	21.33
			256QAM	75	0	100	0	21.19
20MHz/5MHz	2590.5	2602.2	QPSK	1	99	1	0	26.43
			QPSK	100	0	25	0	24.43
			16QAM	1	99	1	0	24.85
			16QAM	100	0	25	0	23.34
			64QAM	1	99	1	0	23.11
			64QAM	100	0	25	0	23.26
			256QAM	1	99	1	0	21.13
			256QAM	100	0	25	0	21.23
20MHz/10MHz	2588.1	2602.5	QPSK	1	99	1	0	26.49
			QPSK	100	0	50	0	24.43
			16QAM	1	99	1	0	25.05
			16QAM	100	0	50	0	23.29
			64QAM	1	99	1	0	23.45
			64QAM	100	0	50	0	23.35
			256QAM	1	99	1	0	21.14
			256QAM	100	0	50	0	21.23
20MHz/15MHz	2585.6	2602.7	QPSK	1	99	1	0	26.48
			QPSK	100	0	75	0	24.41
			16QAM	1	99	1	0	24.90
			16QAM	100	0	75	0	23.32
			64QAM	1	99	1	0	23.16
			64QAM	100	0	75	0	23.31
			256QAM	1	99	1	0	21.13
			256QAM	100	0	75	0	21.21
20MHz/20MHz	2583.1	2602.9	QPSK	1	99	1	0	26.49
			QPSK	100	0	100	0	24.47
			16QAM	1	99	1	0	24.90
			16QAM	100	0	100	0	23.32
			64QAM	1	99	1	0	23.18
			64QAM	100	0	100	0	23.24
			256QAM	1	99	1	0	21.13
			256QAM	100	0	100	0	21.22

LTE CA band 48C

Bandwidth	Frequency(MHz)	Frequency(MHz)	Modulation	PCC RB		SCC RB		Conducted Power(dBm)
				Size	Offset	Size	Offset	
5MHz/20MHz	3615.8	3627.5	QPSK	1	24	1	0	23.26
			QPSK	25	0	100	0	21.39
			16QAM	1	24	1	0	22.33
			16QAM	25	0	100	0	20.45
			64QAM	1	24	1	0	20.22
			64QAM	25	0	100	0	20.45
			256QAM	1	24	1	0	18.30
			256QAM	25	0	100	0	18.42
10MHz/20MHz	3615.6	3630.0	QPSK	1	49	1	0	23.31
			QPSK	50	0	100	0	21.43
			16QAM	1	49	1	0	22.30
			16QAM	50	0	100	0	20.44
			64QAM	1	49	1	0	20.06
			64QAM	50	0	100	0	20.44
			256QAM	1	49	1	0	18.25
			256QAM	50	0	100	0	18.46
15MHz/20MHz	3615.3	3632.4	QPSK	1	74	1	0	23.28
			QPSK	75	0	100	0	21.40
			16QAM	1	74	1	0	22.25
			16QAM	75	0	100	0	20.27
			64QAM	1	74	1	0	20.35
			64QAM	75	0	100	0	20.32
			256QAM	1	74	1	0	18.41
			256QAM	75	0	100	0	18.31
20MHz/5MHz	3622.5	3634.2	QPSK	1	99	1	0	23.34
			QPSK	100	0	25	0	21.23
			16QAM	1	99	1	0	22.45
			16QAM	100	0	25	0	20.31
			64QAM	1	99	1	0	20.47
			64QAM	100	0	25	0	20.32
			256QAM	1	99	1	0	18.50
			256QAM	100	0	25	0	18.29
20MHz/10MHz	3620.1	3634.5	QPSK	1	99	1	0	23.22
			QPSK	100	0	50	0	21.25
			16QAM	1	99	1	0	22.16
			16QAM	100	0	50	0	20.26
			64QAM	1	99	1	0	20.38
			64QAM	100	0	50	0	20.26
			256QAM	1	99	1	0	18.50
			256QAM	100	0	50	0	18.29

20MHz/15MHz	3617.6	3634.7	QPSK	1	99	1	0	23.28
			QPSK	100	0	75	0	21.30
			16QAM	1	99	1	0	22.43
			16QAM	100	0	75	0	20.31
			64QAM	1	99	1	0	20.40
			64QAM	100	0	75	0	20.34
			256QAM	1	99	1	0	18.24
			256QAM	100	0	75	0	18.31
20MHz/20MHz	3615.1	3634.9	QPSK	1	99	1	0	23.26
			QPSK	100	0	100	0	21.31
			16QAM	1	99	1	0	22.25
			16QAM	100	0	100	0	20.30
			64QAM	1	99	1	0	20.44
			64QAM	100	0	100	0	20.38
			256QAM	1	99	1	0	18.19
			256QAM	100	0	100	0	18.39

LTE CA band 66B

Bandwidth	Frequency(MHz)	Frequency(MHz)	Modulation	PCC RB		SCC RB		Conducted Power(dBm)
				Size	Offset	Size	Offset	
5MHz/5MHz	1752.6	1757.4	QPSK	1	24	1	0	23.46
			QPSK	25	0	25	0	21.49
			16QAM	1	24	1	0	22.46
			16QAM	25	0	25	0	20.54
			64QAM	1	24	1	0	20.51
			64QAM	25	0	25	0	20.61
			256QAM	1	24	1	0	18.55
			256QAM	25	0	25	0	18.77
5MHz/10MHz	1750.3	1757.5	QPSK	1	24	1	0	23.53
			QPSK	25	0	50	0	21.60
			16QAM	1	24	1	0	22.49
			16QAM	25	0	50	0	20.83
			64QAM	1	24	1	0	20.41
			64QAM	25	0	50	0	20.39
			256QAM	1	24	1	0	18.43
			256QAM	25	0	50	0	18.59
5MHz/15MHz	1748.1	1757.4	QPSK	1	24	1	0	23.57
			QPSK	25	0	75	0	21.48
			16QAM	1	24	1	0	22.51
			16QAM	25	0	75	0	20.12
			64QAM	1	24	1	0	20.42
			64QAM	25	0	75	0	20.52
			256QAM	1	24	1	0	18.47
			256QAM	25	0	75	0	18.54
10MHz/5MHz	1752.5	1759.7	QPSK	1	49	1	0	23.50
			QPSK	50	0	25	0	21.57
			16QAM	1	49	1	0	22.86
			16QAM	50	0	25	0	20.75
			64QAM	1	49	1	0	20.55
			64QAM	50	0	25	0	20.81
			256QAM	1	49	1	0	18.68
			256QAM	50	0	25	0	18.83
10MHz/10MHz	1750.1	1760.0	QPSK	1	49	1	0	23.78
			QPSK	50	0	50	0	21.66
			16QAM	1	49	1	0	22.85
			16QAM	50	0	50	0	20.80
			64QAM	1	49	1	0	20.61
			64QAM	50	0	50	0	20.77
			256QAM	1	49	1	0	18.75
			256QAM	50	0	50	0	18.85

15MHz/5MHz	1752.6	1761.9	QPSK	1	74	1	0	23.78
			QPSK	75	0	25	0	21.71
			16QAM	1	74	1	0	22.67
			16QAM	75	0	25	0	20.79
			64QAM	1	74	1	0	20.65
			64QAM	75	0	25	0	20.83
			256QAM	1	74	1	0	18.79
			256QAM	75	0	25	0	18.83

LTE CA band 66C

Bandwidth	Frequency(MHz)	Frequency(MHz)	Modulation	PCC RB		SCC RB		Conducted Power(dBm)
				Size	Offset	Size	Offset	
5MHz/20MHz	1745.8	1757.5	QPSK	1	24	1	0	23.66
			QPSK	25	0	100	0	21.84
			16QAM	1	24	1	0	22.74
			16QAM	25	0	100	0	20.80
			64QAM	1	24	1	0	20.65
			64QAM	25	0	100	0	20.84
			256QAM	1	24	1	0	18.75
			256QAM	25	0	100	0	18.84
10MHz/15MHz	1747.9	1759.9	QPSK	1	49	1	0	23.72
			QPSK	50	0	75	0	21.69
			16QAM	1	49	1	0	22.79
			16QAM	50	0	75	0	20.74
			64QAM	1	49	1	0	20.51
			64QAM	50	0	75	0	20.73
			256QAM	1	49	1	0	18.64
			256QAM	50	0	75	0	18.75
10MHz/20MHz	1745.6	1760.0	QPSK	1	49	1	0	23.69
			QPSK	50	0	100	0	21.80
			16QAM	1	49	1	0	22.81
			16QAM	50	0	100	0	20.77
			64QAM	1	49	1	0	20.51
			64QAM	50	0	100	0	20.82
			256QAM	1	49	1	0	18.69
			256QAM	50	0	100	0	18.80
15MHz/10MHz	1750.1	1762.1	QPSK	1	74	1	0	23.76
			QPSK	75	0	50	0	21.69
			16QAM	1	74	1	0	22.55
			16QAM	75	0	50	0	20.73
			64QAM	1	74	1	0	20.51
			64QAM	75	0	50	0	20.72
			256QAM	1	74	1	0	18.66
			256QAM	75	0	50	0	18.69
15MHz/15MHz	1747.5	1762.5	QPSK	1	74	1	0	23.82
			QPSK	75	0	75	0	21.73
			16QAM	1	74	1	0	22.56
			16QAM	75	0	75	0	20.72
			64QAM	1	74	1	0	20.53
			64QAM	75	0	75	0	20.75
			256QAM	1	74	1	0	18.91
			256QAM	75	0	75	0	18.68

15MHz/20MHz	1745.3	1762.4	QPSK	1	74	1	0	23.73
			QPSK	75	0	100	0	21.72
			16QAM	1	74	1	0	22.54
			16QAM	75	0	100	0	20.74
			64QAM	1	74	1	0	20.50
			64QAM	75	0	100	0	20.82
			256QAM	1	74	1	0	18.64
			256QAM	75	0	100	0	18.76
20MHz/5MHz	1752.5	1764.2	QPSK	1	99	1	0	23.80
			QPSK	100	0	25	0	21.70
			16QAM	1	99	1	0	22.76
			16QAM	100	0	25	0	20.71
			64QAM	1	99	1	0	20.85
			64QAM	100	0	25	0	20.72
			256QAM	1	99	1	0	18.60
			256QAM	100	0	25	0	18.70
20MHz/10MHz	1750.1	1764.5	QPSK	1	99	1	0	23.87
			QPSK	100	0	50	0	21.72
			16QAM	1	99	1	0	22.83
			16QAM	100	0	50	0	20.73
			64QAM	1	99	1	0	20.89
			64QAM	100	0	50	0	20.76
			256QAM	1	99	1	0	18.65
			256QAM	100	0	50	0	18.69
20MHz/15MHz	1747.6	1764.7	QPSK	1	99	1	0	23.87
			QPSK	100	0	75	0	21.73
			16QAM	1	99	1	0	22.80
			16QAM	100	0	75	0	20.73
			64QAM	1	99	1	0	20.90
			64QAM	100	0	75	0	20.76
			256QAM	1	99	1	0	18.66
			256QAM	100	0	75	0	18.71
20MHz/20MHz	1745.1	1764.9	QPSK	1	99	1	0	23.89
			QPSK	100	0	100	0	21.74
			16QAM	1	99	1	0	22.83
			16QAM	100	0	100	0	20.70
			64QAM	1	99	1	0	20.90
			64QAM	100	0	100	0	20.73
			256QAM	1	99	1	0	18.70
			256QAM	100	0	100	0	18.73

A.1.3 Radiated

A.1.3.1 Description

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

A.1.3.2 Method of Measurement

According to KDB 412172 D01 and ANSI C63.26 the relevant equation for determining the maximum ERP or EIRP from the measured RF output power is given in Equation as follows:

$$\mathbf{ERP\ or\ EIRP} = \mathbf{P_T} + \mathbf{G_T} - \mathbf{L_C}$$

where;

- $\mathbf{ERP\ or\ EIRP} =$ effective radiated power or equivalent isotropically radiated power(expressed in the same units as P_T.
- $\mathbf{P_T} =$ transmitter output power, in this report the unit express as dBm;
- $\mathbf{G_T} =$ gain of the transmitting antenna, in dBd(ERP) or dBi(EIRP);
- $\mathbf{L_C} =$ signal attenuation in the connecting cable between the transmitter and antenna, in dB.

Alternatively, the EIRP can be determined from Equation above and then converted to ERP based on the maximum antenna gain relationship by applying the following equation:

$$\mathbf{ERP} = \mathbf{EIRP} - \mathbf{2.15dB}$$

Note: The antenna gain information was provided by the client. The laboratory is not responsible for identifying its authenticity during the test.

A.1.3.3 Limits and Measurement Results

LTE Band 7-EIRP

Limits: ≤33dBm(2W)

Bandwidth	RB size/offset	Frequency (MHz)	Conducted Power(dBm)				EIRP(dBm)(Gt-Lc =-3.05)			
			QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
5MHz	1 RB high	2567.5	23.11	22.16	21.22	18.17	20.06	19.11	18.17	15.12
		2535	22.97	22.01	21.03	17.95	19.92	18.96	17.98	14.90
		2502.5	22.81	21.69	20.68	17.43	19.76	18.64	17.63	14.38
	1 RB low	2567.5	23.02	22.08	21.28	18.07	19.97	19.03	18.23	15.02
		2535	22.96	22.01	21.07	17.92	19.91	18.96	18.02	14.87
		2502.5	22.65	21.49	20.62	17.23	19.60	18.44	17.57	14.18
	50% RB mid	2567.5	22.07	21.12	20.20	18.09	19.02	18.07	17.15	15.04
		2535	21.94	21.02	19.99	17.91	18.89	17.97	16.94	14.86
		2502.5	21.79	20.82	19.77	17.72	18.74	17.77	16.72	14.67
	100% RB	2567.5	22.07	21.03	20.09	18.06	19.02	17.98	17.04	15.01
		2535	21.97	20.93	19.90	17.88	18.92	17.88	16.85	14.83
		2502.5	21.78	20.73	19.71	17.70	18.73	17.68	16.66	14.65
10MHz	1 RB high	2565	23.17	22.20	21.06	18.23	20.12	19.15	18.01	15.18
		2535	23.06	22.07	20.95	18.08	20.01	19.02	17.90	15.03
		2505	22.91	21.90	20.79	17.92	19.86	18.85	17.74	14.87
	1 RB low	2565	23.04	22.06	20.93	18.08	19.99	19.01	17.88	15.03
		2535	23.02	22.01	20.77	18.01	19.97	18.96	17.72	14.96
		2505	22.67	21.66	20.62	17.69	19.62	18.61	17.57	14.64
	50% RB mid	2565	22.10	21.14	20.15	18.07	19.05	18.09	17.10	15.02
		2535	22.04	21.10	20.03	17.98	18.99	18.05	16.98	14.93
		2505	21.94	20.95	19.95	17.85	18.89	17.90	16.90	14.80
	100% RB	2565	22.09	21.12	20.06	18.04	19.04	18.07	17.01	14.99
		2535	22.04	21.05	19.93	17.92	18.99	18.00	16.88	14.87
		2505	21.86	20.89	19.77	17.75	18.81	17.84	16.72	14.70
15MHz	1 RB high	2562.5	23.10	22.51	21.51	18.43	20.05	19.46	18.46	15.38
		2535	22.98	22.38	21.37	18.24	19.93	19.33	18.32	15.19
		2507.5	22.89	22.32	21.24	18.16	19.84	19.27	18.19	15.11
	1 RB low	2562.5	22.95	22.36	21.43	18.24	19.90	19.31	18.38	15.19
		2535	22.94	22.35	21.26	18.20	19.89	19.30	18.21	15.15
		2507.5	22.62	22.03	21.17	17.92	19.57	18.98	18.12	14.87
	50% RB mid	2562.5	22.02	21.01	19.98	17.98	18.97	17.96	16.93	14.93
		2535	21.98	20.94	19.93	17.91	18.93	17.89	16.88	14.86
		2507.5	21.91	20.84	19.87	17.80	18.86	17.79	16.82	14.75
	100% RB	2562.5	22.01	21.04	19.99	18.03	18.96	17.99	16.94	14.98
		2535	21.99	20.98	19.94	17.92	18.94	17.93	16.89	14.87
		2507.5	21.85	20.88	19.82	17.82	18.80	17.83	16.77	14.77
20MHz	1 RB high	2560	23.05	22.73	21.00	18.11	20.00	19.68	17.95	15.06
		2535	22.96	22.27	20.87	17.94	19.91	19.22	17.82	14.89

		2510	23.00	22.65	20.79	17.87	19.95	19.60	17.74	14.82
	1 RB low	2560	22.89	22.49	21.36	17.88	19.84	19.44	18.31	14.83
		2535	22.84	22.17	21.24	17.90	19.79	19.12	18.19	14.85
		2510	22.61	22.27	21.16	17.53	19.56	19.22	18.11	14.48
	50% RB mid	2560	22.05	20.99	20.10	18.06	19.00	17.94	17.05	15.01
		2535	21.95	20.94	20.00	17.99	18.90	17.89	16.95	14.94
		2510	21.94	20.82	19.99	17.90	18.89	17.77	16.94	14.85
	100% RB	2560	22.00	20.99	20.02	18.00	18.95	17.94	16.97	14.95
		2535	21.93	20.96	19.97	17.94	18.88	17.91	16.92	14.89
		2510	21.86	20.85	19.89	17.88	18.81	17.80	16.84	14.83

LTE Band 12-ERP

Limits: ≤34.77dBm(3W)

Bandwidth	RB size/offset	Frequency (MHz)	Conducted Power(dBm)				ERP(dBm)(Gt-Lc =-3.52)			
			QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
1.4MHz	1 RB high	715.3	22.71	21.90	20.99	18.10	17.04	16.23	15.32	12.43
		707.5	22.83	21.98	20.94	18.15	17.16	16.31	15.27	12.48
		699.7	22.75	22.04	21.09	18.13	17.08	16.37	15.42	12.46
	1 RB low	715.3	22.75	21.95	20.99	18.09	17.08	16.28	15.32	12.42
		707.5	22.83	22.03	21.02	18.20	17.16	16.36	15.35	12.53
		699.7	22.81	21.99	21.07	18.13	17.14	16.32	15.40	12.46
	50% RB mid	715.3	22.70	21.73	20.94	18.03	17.03	16.06	15.27	12.36
		707.5	22.73	21.77	20.89	18.06	17.06	16.10	15.22	12.39
		699.7	22.78	21.76	21.05	18.10	17.11	16.09	15.38	12.43
	100% RB	715.3	21.70	20.89	19.77	18.06	16.03	15.22	14.10	12.39
		707.5	21.76	20.87	19.77	18.09	16.09	15.20	14.10	12.42
		699.7	21.79	20.98	19.88	18.11	16.12	15.31	14.21	12.44
3MHz	1 RB high	714.5	22.74	21.96	20.98	18.10	17.07	16.29	15.31	12.43
		707.5	22.77	21.97	20.97	18.13	17.10	16.30	15.30	12.46
		700.5	22.75	22.01	21.10	18.09	17.08	16.34	15.43	12.42
	1 RB low	714.5	22.74	21.98	20.96	18.12	17.07	16.31	15.29	12.45
		707.5	22.77	21.97	20.92	18.15	17.10	16.30	15.25	12.48
		700.5	22.78	21.99	21.05	18.14	17.11	16.32	15.38	12.47
	50% RB mid	714.5	21.68	20.89	19.84	18.00	16.01	15.22	14.17	12.33
		707.5	21.76	20.89	19.88	18.15	16.09	15.22	14.21	12.48
		700.5	21.76	20.98	19.94	18.12	16.09	15.31	14.27	12.45
	100% RB	714.5	21.73	20.82	19.81	18.11	16.06	15.15	14.14	12.44
		707.5	21.75	20.82	19.80	18.13	16.08	15.15	14.13	12.46
		700.5	21.78	20.91	19.89	18.16	16.11	15.24	14.22	12.49
5MHz	1 RB high	713.5	22.76	22.01	21.01	18.13	17.09	16.34	15.34	12.46
		707.5	22.84	22.01	21.02	18.23	17.17	16.34	15.35	12.56
		701.5	22.95	22.15	21.10	18.32	17.28	16.48	15.43	12.65
	1 RB low	713.5	22.78	22.01	21.01	18.12	17.11	16.34	15.34	12.45
		707.5	22.76	22.00	21.01	18.13	17.09	16.33	15.34	12.46
		701.5	22.79	22.09	21.15	18.15	17.12	16.42	15.48	12.48
	50% RB mid	713.5	21.77	20.87	19.94	18.13	16.10	15.20	14.27	12.46
		707.5	21.81	20.87	19.89	18.14	16.14	15.20	14.22	12.47
		701.5	21.80	20.95	19.96	18.14	16.13	15.28	14.29	12.47
	100% RB	713.5	21.79	20.89	19.87	18.17	16.12	15.22	14.20	12.50
		707.5	21.85	20.87	19.87	18.21	16.18	15.20	14.20	12.54
		701.5	21.83	20.93	19.93	18.19	16.16	15.26	14.26	12.52
10MHz	1 RB high	711	22.95	22.08	21.02	18.27	17.28	16.41	15.35	12.60
		707.5	22.87	22.13	21.05	18.19	17.20	16.46	15.38	12.52
		704	22.93	22.09	21.01	18.31	17.26	16.42	15.34	12.64

	1 RB low	711	22.91	22.06	20.96	18.24	17.24	16.39	15.29	12.57
		707.5	22.82	22.03	21.03	18.16	17.15	16.36	15.36	12.49
		704	22.82	22.12	21.13	18.15	17.15	16.45	15.46	12.48
	50% RB mid	711	21.81	20.86	19.83	18.14	16.14	15.19	14.16	12.47
		707.5	21.82	20.85	19.83	18.17	16.15	15.18	14.16	12.50
		704	21.85	20.87	19.86	18.24	16.18	15.20	14.19	12.57
	100% RB	711	21.75	20.80	19.81	18.10	16.08	15.13	14.14	12.43
		707.5	21.84	20.84	19.83	18.17	16.17	15.17	14.16	12.50
		704	21.86	20.91	19.89	18.19	16.19	15.24	14.22	12.52

LTE Band 13-ERP

Limits: ≤34.77dBm(3W)

Bandwidth	RB size/offset	Frequency (MHz)	Conducted Power(dBm)				ERP(dBm)(Gt-Lc =-3.32)			
			QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
5MHz	1 RB high	784.5	22.89	22.16	21.10	18.12	17.42	16.69	15.63	12.65
		782	22.95	22.21	21.08	18.11	17.48	16.74	15.61	12.64
		779.5	22.96	22.23	21.08	18.19	17.49	16.76	15.61	12.72
	1 RB low	784.5	22.91	22.15	21.09	18.15	17.44	16.68	15.62	12.68
		782	23.00	22.15	21.09	18.23	17.53	16.68	15.62	12.76
		779.5	23.06	22.08	21.06	18.25	17.59	16.61	15.59	12.78
	50% RB mid	784.5	21.93	20.97	20.04	18.17	16.46	15.50	14.57	12.70
		782	21.93	20.94	20.05	18.10	16.46	15.47	14.58	12.63
		779.5	21.95	20.94	20.07	18.15	16.48	15.47	14.60	12.68
	100% RB	784.5	21.97	20.94	20.01	18.21	16.50	15.47	14.54	12.74
		782	21.98	20.96	20.00	18.15	16.51	15.49	14.53	12.68
		779.5	21.96	20.95	20.04	18.17	16.49	15.48	14.57	12.70
10MHz	1 RB high	782	22.96	22.19	21.09	18.15	17.49	16.72	15.62	12.68
	1 RB low	782	23.01	22.13	21.14	18.23	17.54	16.66	15.67	12.76
	50% RB mid	782	21.96	20.93	19.99	18.19	16.49	15.46	14.52	12.72
	100% RB	782	21.90	20.90	19.95	18.13	16.43	15.43	14.48	12.66

LTE Band 14-ERP

Limits: ≤34.77dBm(3W)

Bandwidth	RB size/offset	Frequency (MHz)	Conducted Power(dBm)				ERP(dBm)(Gt-Lc =-3.32)			
			QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
5MHz	1 RB high	795.5	23.13	22.48	21.33	18.26	17.66	17.01	15.86	12.79
		793	23.24	22.47	21.35	18.40	17.77	17.00	15.88	12.93
		790.5	23.30	22.54	21.43	18.45	17.83	17.07	15.96	12.98
	1 RB low	795.5	23.30	22.57	21.40	18.46	17.83	17.10	15.93	12.99
		793	23.27	22.45	21.39	18.41	17.80	16.98	15.92	12.94
		790.5	23.26	22.51	21.40	18.39	17.79	17.04	15.93	12.92
	50% RB mid	795.5	22.21	21.23	20.36	18.35	16.74	15.76	14.89	12.88
		793	22.28	21.28	20.37	18.41	16.81	15.81	14.90	12.94
		790.5	22.24	21.26	20.40	18.43	16.77	15.79	14.93	12.96
	100% RB	795.5	22.26	21.23	20.30	18.42	16.79	15.76	14.83	12.95
		793	22.28	21.28	20.31	18.46	16.81	15.81	14.84	12.99
		790.5	22.28	21.26	20.32	18.45	16.81	15.79	14.85	12.98
10MHz	1 RB high	793	23.23	22.51	21.31	18.35	17.76	17.04	15.84	12.88
	1 RB low	793	23.20	22.50	21.40	18.38	17.73	17.03	15.93	12.91
	50% RB mid	793	22.22	21.25	20.32	18.39	16.75	15.78	14.85	12.92
	100% RB	793	22.22	21.22	20.30	18.37	16.75	15.75	14.83	12.90

LTE Band 25-EIRP

Limits: ≤33dBm(2W)

Bandwidth	RB size/offset	Frequency (MHz)	Conducted Power(dBm)				EIRP(dBm)(Gt-Lc =-1.83)			
			QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
1.4MHz	1 RB high	1914.3	23.50	22.73	21.48	18.53	21.67	20.90	19.65	16.70
		1882.5	23.55	22.61	21.67	18.38	21.72	20.78	19.84	16.55
		1850.7	23.47	22.57	21.95	18.69	21.64	20.74	20.12	16.86
	1 RB low	1914.3	23.51	22.72	21.35	18.55	21.68	20.89	19.52	16.72
		1882.5	23.54	22.59	21.66	18.39	21.71	20.76	19.83	16.56
		1850.7	23.50	22.62	21.88	18.71	21.67	20.79	20.05	16.88
	50% RB mid	1914.3	23.51	22.73	21.71	18.44	21.68	20.90	19.88	16.61
		1882.5	23.59	22.74	21.39	18.53	21.76	20.91	19.56	16.70
		1850.7	23.64	22.79	21.54	18.60	21.81	20.96	19.71	16.77
	100% RB	1914.3	22.58	21.44	20.51	18.49	20.75	19.61	18.68	16.66
		1882.5	22.53	21.74	20.50	18.54	20.70	19.91	18.67	16.71
		1850.7	22.58	21.78	20.55	18.56	20.75	19.95	18.72	16.73
3MHz	1 RB high	1913.5	23.53	22.60	21.85	18.94	21.70	20.77	20.02	17.11
		1882.5	23.56	22.60	21.50	18.59	21.73	20.77	19.67	16.76
		1851.5	23.60	22.64	21.88	18.99	21.77	20.81	20.05	17.16
	1 RB low	1913.5	23.59	22.65	22.09	18.97	21.76	20.82	20.26	17.14
		1882.5	23.52	22.59	21.36	18.54	21.69	20.76	19.53	16.71
		1851.5	23.58	22.65	22.19	18.98	21.75	20.82	20.36	17.15
	50% RB mid	1913.5	22.58	21.64	20.52	18.39	20.75	19.81	18.69	16.56
		1882.5	22.59	21.60	20.62	18.55	20.76	19.77	18.79	16.72
		1851.5	22.63	21.67	20.55	18.59	20.80	19.84	18.72	16.76
	100% RB	1913.5	22.59	21.55	20.40	18.42	20.76	19.72	18.57	16.59
		1882.5	22.57	21.49	20.59	18.52	20.74	19.66	18.76	16.69
		1851.5	22.65	21.58	20.60	18.54	20.82	19.75	18.77	16.71
5MHz	1 RB high	1912.5	23.64	22.86	21.56	18.32	21.81	21.03	19.73	16.49
		1882.5	23.68	22.65	21.81	18.68	21.85	20.82	19.98	16.85
		1852.5	23.73	22.74	21.87	18.73	21.90	20.91	20.04	16.90
	1 RB low	1912.5	23.73	22.98	21.50	18.37	21.90	21.15	19.67	16.54
		1882.5	23.67	22.67	21.83	18.70	21.84	20.84	20.00	16.87
		1852.5	23.74	22.70	21.86	18.74	21.91	20.87	20.03	16.91
	50% RB mid	1912.5	22.64	21.76	20.76	18.72	20.81	19.93	18.93	16.89
		1882.5	22.62	21.68	20.75	18.67	20.79	19.85	18.92	16.84
		1852.5	22.66	21.70	20.68	18.68	20.83	19.87	18.85	16.85
	100% RB	1912.5	22.72	21.66	20.71	18.68	20.89	19.83	18.88	16.85
		1882.5	22.63	21.59	20.65	18.63	20.80	19.76	18.82	16.80
		1852.5	22.71	21.63	20.69	18.68	20.88	19.80	18.86	16.85
10MHz	1 RB high	1910	23.65	22.69	21.57	18.73	21.82	20.86	19.74	16.90
		1882.5	23.67	22.69	21.60	18.73	21.84	20.86	19.77	16.90
		1855	23.75	22.92	21.67	18.84	21.92	21.09	19.84	17.01

	1 RB low	1910	23.63	22.71	21.49	18.71	21.80	20.88	19.66	16.88
		1882.5	23.61	22.67	21.45	18.72	21.78	20.84	19.62	16.89
		1855	23.68	22.87	21.55	18.76	21.85	21.04	19.72	16.93
	50% RB mid	1910	22.75	21.83	20.76	18.72	20.92	20.00	18.93	16.89
		1882.5	22.67	21.73	20.70	18.67	20.84	19.90	18.87	16.84
		1855	22.76	21.79	20.80	18.73	20.93	19.96	18.97	16.90
	100% RB	1910	22.77	21.78	20.70	18.68	20.94	19.95	18.87	16.85
		1882.5	22.68	21.68	20.65	18.61	20.85	19.85	18.82	16.78
		1855	22.72	21.74	20.69	18.67	20.89	19.91	18.86	16.84
15MHz	1 RB high	1907.5	23.65	23.01	22.03	18.91	21.82	21.18	20.20	17.08
		1882.5	23.57	22.99	21.95	18.87	21.74	21.16	20.12	17.04
		1857.5	23.73	22.89	22.08	19.02	21.90	21.06	20.25	17.19
	1 RB low	1907.5	23.61	22.95	21.97	18.89	21.78	21.12	20.14	17.06
		1882.5	23.62	23.01	21.89	18.97	21.79	21.18	20.06	17.14
		1857.5	23.68	22.88	22.07	19.00	21.85	21.05	20.24	17.17
	50% RB mid	1907.5	22.68	21.65	20.60	18.59	20.85	19.82	18.77	16.76
		1882.5	22.61	21.61	20.56	18.56	20.78	19.78	18.73	16.73
		1857.5	22.72	21.66	20.69	18.63	20.89	19.83	18.86	16.80
	100% RB	1907.5	22.68	21.68	20.64	18.64	20.85	19.85	18.81	16.81
		1882.5	22.63	21.63	20.62	18.61	20.80	19.80	18.79	16.78
		1857.5	22.70	21.71	20.67	18.69	20.87	19.88	18.84	16.86
20MHz	1 RB high	1905	23.67	23.34	21.53	18.64	21.84	21.51	19.70	16.81
		1882.5	23.63	23.33	21.51	18.57	21.80	21.50	19.68	16.74
		1860	23.70	23.36	21.59	18.69	21.87	21.53	19.76	16.86
	1 RB low	1905	23.60	23.28	21.90	18.59	21.77	21.45	20.07	16.76
		1882.5	23.62	23.29	21.85	18.64	21.79	21.46	20.02	16.81
		1860	23.63	23.33	21.95	18.67	21.80	21.50	20.12	16.84
	50% RB mid	1905	22.73	21.67	20.73	18.66	20.90	19.84	18.90	16.83
		1882.5	22.69	21.64	20.64	18.65	20.86	19.81	18.81	16.82
		1860	22.78	21.72	20.78	18.76	20.95	19.89	18.95	16.93
	100% RB	1905	22.68	21.70	20.66	18.65	20.85	19.87	18.83	16.82
		1882.5	22.70	21.67	20.68	18.66	20.87	19.84	18.85	16.83
		1860	22.75	21.72	20.75	18.72	20.92	19.89	18.92	16.89

LTE Band 26_Part22-ERP

Limits: ≤38.45dBm(7W)

Bandwidth	RB size/offset	Frequency (MHz)	Conducted Power(dBm)				ERP(dBm)(Gt-Lc =-2.94)			
			QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
1.4MHz	1 RB high	848.3	22.65	21.83	20.52	17.98	17.56	16.74	15.43	12.89
		836.5	22.64	21.83	20.54	17.88	17.55	16.74	15.45	12.79
		824.7	22.63	21.69	20.59	17.96	17.54	16.60	15.50	12.87
	1 RB low	848.3	22.69	21.71	20.60	17.97	17.60	16.62	15.51	12.88
		836.5	22.64	21.85	20.51	17.87	17.55	16.76	15.42	12.78
		824.7	22.64	21.70	20.46	17.96	17.55	16.61	15.37	12.87
	50% RB mid	848.3	22.85	21.89	20.99	18.00	17.76	16.80	15.90	12.91
		836.5	22.70	21.78	20.91	17.85	17.61	16.69	15.82	12.76
		824.7	22.80	21.85	20.65	18.01	17.71	16.76	15.56	12.92
	100% RB	848.3	21.79	20.93	19.79	17.97	16.70	15.84	14.70	12.88
		836.5	21.62	20.82	19.69	17.82	16.53	15.73	14.60	12.73
		824.7	21.70	20.94	19.69	17.99	16.61	15.85	14.60	12.90
3MHz	1 RB high	847.5	22.63	21.78	20.53	17.92	17.54	16.69	15.44	12.83
		836.5	22.63	21.64	20.45	17.83	17.54	16.55	15.36	12.74
		825.5	22.70	21.73	20.59	17.96	17.61	16.64	15.50	12.87
	1 RB low	847.5	22.67	21.76	20.33	17.90	17.58	16.67	15.24	12.81
		836.5	22.65	21.69	20.44	17.81	17.56	16.60	15.35	12.72
		825.5	22.71	21.75	20.43	17.96	17.62	16.66	15.34	12.87
	50% RB mid	847.5	21.64	20.78	19.73	17.98	16.55	15.69	14.64	12.89
		836.5	21.66	20.73	19.73	17.87	16.57	15.64	14.64	12.78
		825.5	21.71	20.74	19.65	17.95	16.62	15.65	14.56	12.86
	100% RB	847.5	21.77	20.67	19.72	17.94	16.68	15.58	14.63	12.85
		836.5	21.72	20.64	19.65	17.86	16.63	15.55	14.56	12.77
		825.5	21.74	20.67	19.76	17.94	16.65	15.58	14.67	12.85
5MHz	1 RB high	846.5	22.87	21.76	21.12	18.08	17.78	16.67	16.03	12.99
		836.5	22.85	21.77	21.00	17.97	17.76	16.68	15.91	12.88
		826.5	22.88	21.93	20.96	18.08	17.79	16.84	15.87	12.99
	1 RB low	846.5	22.84	21.87	21.05	18.05	17.75	16.78	15.96	12.96
		836.5	22.79	21.79	21.02	18.00	17.70	16.70	15.93	12.91
		826.5	22.92	21.91	21.06	18.14	17.83	16.82	15.97	13.05
	50% RB mid	846.5	21.76	20.88	19.93	18.11	16.67	15.79	14.84	13.02
		836.5	21.76	20.83	19.90	17.99	16.67	15.74	14.81	12.90
		826.5	21.74	20.84	19.81	18.09	16.65	15.75	14.72	13.00
	100% RB	846.5	21.84	20.76	19.86	18.06	16.75	15.67	14.77	12.97
		836.5	21.80	20.73	19.81	17.95	16.71	15.64	14.72	12.86
		826.5	21.82	20.77	19.83	18.05	16.73	15.68	14.74	12.96
10MHz	1 RB high	844	22.85	21.91	20.75	18.16	17.76	16.82	15.66	13.07
		836.5	22.84	21.89	20.69	18.10	17.75	16.80	15.60	13.01
		829	22.85	21.84	20.73	18.06	17.76	16.75	15.64	12.97

	1 RB low	844	22.84	21.90	20.71	18.04	17.75	16.81	15.62	12.95
		836.5	22.84	21.82	20.60	18.05	17.75	16.73	15.51	12.96
		829	22.86	21.92	20.62	18.13	17.77	16.83	15.53	13.04
	50% RB mid	844	21.82	20.89	19.88	18.06	16.73	15.80	14.79	12.97
		836.5	21.83	20.83	19.88	17.96	16.74	15.74	14.79	12.87
		829	21.80	20.87	19.90	18.06	16.71	15.78	14.81	12.97
	100% RB	844	21.82	20.81	19.78	17.97	16.73	15.72	14.69	12.88
		836.5	21.80	20.82	19.79	17.93	16.71	15.73	14.70	12.84
		829	21.82	20.83	19.83	17.99	16.73	15.74	14.74	12.90
15MHz	1 RB high	841.5	22.86	22.14	21.33	18.37	17.77	17.05	16.24	13.28
		836.5	22.86	22.24	21.28	18.29	17.77	17.15	16.19	13.20
		831.5	22.81	22.17	21.22	18.23	17.72	17.08	16.13	13.14
	1 RB low	841.5	22.82	22.20	21.25	18.27	17.73	17.11	16.16	13.18
		836.5	22.85	22.19	21.26	18.31	17.76	17.10	16.17	13.22
		831.5	22.84	22.18	21.14	18.32	17.75	17.09	16.05	13.23
	50% RB mid	841.5	21.85	20.83	19.85	18.03	16.76	15.74	14.76	12.94
		836.5	21.84	20.80	19.83	17.97	16.75	15.71	14.74	12.88
		831.5	21.84	20.82	19.83	18.01	16.75	15.73	14.74	12.92
	100% RB	841.5	21.82	20.88	19.86	18.04	16.73	15.79	14.77	12.95
		836.5	21.85	20.88	19.87	18.00	16.76	15.79	14.78	12.91
		831.5	21.83	20.87	19.85	18.03	16.74	15.78	14.76	12.94

LTE Band 26_Part90-ERP

Limits: ≤50dBm(100W)

Bandwidth	RB size/offset	Frequency (MHz)	Conducted Power(dBm)				ERP(dBm)(Gt-Lc =-2.94)			
			QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
1.4MHz	1 RB high	823.3	22.68	21.79	20.68	18.04	17.59	16.70	15.59	12.95
		819	22.74	21.88	20.73	18.00	17.65	16.79	15.64	12.91
		814.7	22.71	21.76	21.14	18.09	17.62	16.67	16.05	13.00
	1 RB low	823.3	22.70	21.80	20.51	17.97	17.61	16.71	15.42	12.88
		819	22.76	21.90	20.60	18.00	17.67	16.81	15.51	12.91
		814.7	22.70	21.77	21.04	18.09	17.61	16.68	15.95	13.00
	50% RB mid	823.3	22.81	21.90	20.64	17.99	17.72	16.81	15.55	12.90
		819	22.85	21.91	20.65	18.04	17.76	16.82	15.56	12.95
		814.7	22.85	21.90	20.71	18.01	17.76	16.81	15.62	12.92
	100% RB	823.3	21.74	20.90	19.71	17.95	16.65	15.81	14.62	12.86
		819	21.77	20.94	19.73	18.02	16.68	15.85	14.64	12.93
		814.7	21.75	20.92	19.73	17.95	16.66	15.83	14.64	12.86
3MHz	1 RB high	822.5	22.71	21.73	20.54	18.00	17.62	16.64	15.45	12.91
		819	22.72	21.77	20.60	17.94	17.63	16.68	15.51	12.85
		815.5	22.79	21.82	20.67	18.02	17.70	16.73	15.58	12.93
	1 RB low	822.5	22.72	21.79	20.44	17.91	17.63	16.70	15.35	12.82
		819	22.75	21.81	20.53	17.93	17.66	16.72	15.44	12.84
		815.5	22.75	21.85	20.57	17.99	17.66	16.76	15.48	12.90
	50% RB mid	822.5	21.68	20.76	19.78	17.98	16.59	15.67	14.69	12.89
		819	21.72	20.76	19.79	18.01	16.63	15.67	14.70	12.92
		815.5	21.73	20.81	19.68	18.02	16.64	15.72	14.59	12.93
	100% RB	822.5	21.72	20.69	19.73	17.98	16.63	15.60	14.64	12.89
		819	21.74	20.69	19.76	17.96	16.65	15.60	14.67	12.87
		815.5	21.79	20.72	19.79	17.95	16.70	15.63	14.70	12.86
5MHz	1 RB high	821.5	22.83	21.90	21.05	18.13	17.74	16.81	15.96	13.04
		819	22.87	21.87	21.03	18.06	17.78	16.78	15.94	12.97
		816.5	22.93	21.96	21.10	18.11	17.84	16.87	16.01	13.02
	1 RB low	821.5	22.88	21.90	21.07	18.09	17.79	16.81	15.98	13.00
		819	22.90	21.95	21.09	18.11	17.81	16.86	16.00	13.02
		816.5	22.94	21.93	21.13	18.12	17.85	16.84	16.04	13.03
	50% RB mid	821.5	21.80	20.86	19.95	18.09	16.71	15.77	14.86	13.00
		819	21.81	20.88	19.97	18.12	16.72	15.79	14.88	13.03
		816.5	21.83	20.88	19.92	18.16	16.74	15.79	14.83	13.07
	100% RB	821.5	21.85	20.78	19.88	18.09	16.76	15.69	14.79	13.00
		819	21.87	20.81	19.90	18.09	16.78	15.72	14.81	13.00
		816.5	21.89	20.86	19.93	18.12	16.80	15.77	14.84	13.03
10MHz	1 RB high	819	22.92	21.96	20.79	18.22	17.83	16.87	15.70	13.13
	1 RB low	819	22.89	21.91	20.70	18.11	17.80	16.82	15.61	13.02
	50% RB mid	819	21.86	20.93	19.93	18.10	16.77	15.84	14.84	13.01

	100% RB	819	21.88	20.89	19.89	18.03	16.79	15.80	14.80	12.94

LTE Band30-EIRP

Limits: ≤23.9794dBm/5MHz(250mW/5MHz)

The results for dBm/5MHz

Bandwidth	Frequency (MHz)	Modulation	RB Allocation	Conducted Power (dBm/5MHz)	EIRP (dBm/5MHz) GT = -1.95dBi
5MHz	2307.5	QPSK	1 RB low	23.13	21.18
5MHz	2307.5	QPSK	1 RB high	23.40	21.45
5MHz	2307.5	QPSK	100% RB	21.48	19.53
5MHz	2307.5	16QAM	1 RB low	22.25	20.30
5MHz	2307.5	16QAM	1 RB high	22.44	20.49
5MHz	2307.5	16QAM	100% RB	20.48	18.53
5MHz	2307.5	64QAM	1 RB low	21.46	19.51
5MHz	2307.5	64QAM	1 RB high	21.69	19.74
5MHz	2307.5	64QAM	100% RB	19.50	17.55
5MHz	2307.5	256QAM	1 RB low	18.29	16.34
5MHz	2307.5	256QAM	1 RB high	18.51	16.56
5MHz	2307.5	256QAM	100% RB	17.50	15.55
5MHz	2310	QPSK	1 RB low	23.31	21.36
5MHz	2310	QPSK	1 RB high	23.48	21.53
5MHz	2310	QPSK	100% RB	21.57	19.62
5MHz	2310	16QAM	1 RB low	22.41	20.46
5MHz	2310	16QAM	1 RB high	22.47	20.52
5MHz	2310	16QAM	100% RB	20.56	18.61
5MHz	2310	64QAM	1 RB low	21.63	19.68
5MHz	2310	64QAM	1 RB high	21.68	19.73
5MHz	2310	64QAM	100% RB	19.59	17.64
5MHz	2310	256QAM	1 RB low	18.48	16.53
5MHz	2310	256QAM	1 RB high	18.48	16.53
5MHz	2310	256QAM	100% RB	17.58	15.63
5MHz	2312.5	QPSK	1 RB low	23.42	21.47
5MHz	2312.5	QPSK	1 RB high	23.48	21.53
5MHz	2312.5	QPSK	100% RB	21.63	19.68
5MHz	2312.5	16QAM	1 RB low	22.44	20.49
5MHz	2312.5	16QAM	1 RB high	22.50	20.55
5MHz	2312.5	16QAM	100% RB	20.63	18.68
5MHz	2312.5	64QAM	1 RB low	21.71	19.76
5MHz	2312.5	64QAM	1 RB high	21.78	19.83
5MHz	2312.5	64QAM	100% RB	19.67	17.72
5MHz	2312.5	256QAM	1 RB low	18.52	16.57
5MHz	2312.5	256QAM	1 RB high	18.62	16.67
5MHz	2312.5	256QAM	100% RB	17.64	15.69
10MHz	2310	QPSK	1 RB low	23.21	21.26
10MHz	2310	QPSK	1 RB high	23.49	21.54

10MHz	2310	QPSK	100% RB	19.89	17.94
10MHz	2310	16QAM	1 RB low	22.56	20.61
10MHz	2310	16QAM	1 RB high	22.76	20.81
10MHz	2310	16QAM	100% RB	18.87	16.92
10MHz	2310	64QAM	1 RB low	21.41	19.46
10MHz	2310	64QAM	1 RB high	21.66	19.71
10MHz	2310	64QAM	100% RB	17.86	15.91
10MHz	2310	256QAM	1 RB low	18.48	16.53
10MHz	2310	256QAM	1 RB high	18.64	16.69
10MHz	2310	256QAM	100% RB	15.80	13.85

Radiated power(dBm) calculated from conducted power(dBm)

Bandwidth	RB size/offset	Frequency	Conducted Power(dBm)				EIRP(dBm)(Gt-Lc =-1.95)			
		(MHz)	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
5MHz	1 RB high	2312.5	23.02	22.11	21.30	18.23	21.07	20.16	19.35	16.28
		2310	23.03	22.07	21.30	18.19	21.08	20.12	19.35	16.24
		2307.5	22.92	21.93	21.09	17.83	20.97	19.98	19.14	15.88
	1 RB low	2312.5	23.05	22.10	21.30	18.25	21.10	20.15	19.35	16.30
		2310	23.01	22.11	21.33	18.26	21.06	20.16	19.38	16.31
		2307.5	22.93	21.88	20.98	17.76	20.98	19.93	19.03	15.81
	50% RB mid	2312.5	22.04	21.10	20.25	18.18	20.09	19.15	18.30	16.23
		2310	22.03	21.12	20.22	18.18	20.08	19.17	18.27	16.23
		2307.5	22.01	21.11	20.15	18.17	20.06	19.16	18.20	16.22
	100% RB	2312.5	22.05	21.00	20.13	18.12	20.10	19.05	18.18	16.17
		2310	22.06	21.01	20.14	18.13	20.11	19.06	18.19	16.18
		2307.5	22.07	21.00	20.15	18.14	20.12	19.05	18.20	16.19
10MHz	1 RB high	2310	23.14	22.18	21.24	18.32	21.19	20.23	19.29	16.37
	1 RB low	2310	22.98	22.11	20.90	18.17	21.03	20.16	18.95	16.22
	50% RB mid	2310	22.14	21.21	20.23	18.18	20.19	19.26	18.28	16.23
	100% RB	2310	22.14	21.17	20.14	18.14	20.19	19.22	18.19	16.19

LTE Band 41-EIRP

Limits: ≤33dBm(2W)

Bandwidth	RB size/offset	Frequency (MHz)	Conducted Power(dBm)				EIRP(dBm)(Gt-Lc =-2.45)			
			QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
5MHz	1 RB high	2687.5	26.26	25.53	24.89	21.56	23.81	23.08	22.44	19.11
		2593	26.39	25.63	24.96	21.52	23.94	23.18	22.51	19.07
		2498.5	25.90	24.79	23.91	21.18	23.45	22.34	21.46	18.73
	1 RB low	2687.5	26.22	25.45	24.80	21.57	23.77	23.00	22.35	19.12
		2593	26.32	25.58	24.95	21.45	23.87	23.13	22.50	19.00
		2498.5	25.91	24.78	24.08	21.15	23.46	22.33	21.63	18.70
	50% RB mid	2687.5	25.17	24.27	23.40	21.33	22.72	21.82	20.95	18.88
		2593	25.27	24.37	23.34	21.27	22.82	21.92	20.89	18.82
		2498.5	24.82	23.94	22.90	20.99	22.37	21.49	20.45	18.54
	100% RB	2687.5	25.21	24.20	23.28	21.30	22.76	21.75	20.83	18.85
		2593	25.31	24.26	23.19	21.26	22.86	21.81	20.74	18.81
		2498.5	24.87	23.90	22.92	20.97	22.42	21.45	20.47	18.52
10MHz	1 RB high	2685	26.25	25.50	24.38	21.53	23.80	23.05	21.93	19.08
		2593	26.42	25.55	24.51	21.52	23.97	23.10	22.06	19.07
		2501	25.91	25.05	24.00	21.09	23.46	22.60	21.55	18.64
	1 RB low	2685	26.22	25.37	24.48	21.57	23.77	22.92	22.03	19.12
		2593	26.37	25.49	24.57	21.47	23.92	23.04	22.12	19.02
		2501	25.86	25.00	24.03	21.05	23.41	22.55	21.58	18.60
	50% RB mid	2685	25.24	24.15	23.37	21.32	22.79	21.70	20.92	18.87
		2593	25.38	24.26	23.24	21.22	22.93	21.81	20.79	18.77
		2501	24.92	23.86	22.91	20.91	22.47	21.41	20.46	18.46
	100% RB	2685	25.18	24.16	23.33	21.30	22.73	21.71	20.88	18.85
		2593	25.32	24.35	23.22	21.22	22.87	21.90	20.77	18.77
		2501	24.88	23.91	22.96	20.92	22.43	21.46	20.51	18.47
15MHz	1 RB high	2682.5	26.28	25.43	24.51	21.72	23.83	22.98	22.06	19.27
		2593	26.36	25.60	24.60	21.69	23.91	23.15	22.15	19.24
		2503.5	25.86	25.08	24.12	21.41	23.41	22.63	21.67	18.96
	1 RB low	2682.5	26.29	25.38	24.52	21.78	23.84	22.93	22.07	19.33
		2593	26.30	25.46	24.67	21.60	23.85	23.01	22.22	19.15
		2503.5	25.83	25.01	24.22	21.27	23.38	22.56	21.77	18.82
	50% RB mid	2682.5	25.12	24.08	23.26	21.26	22.67	21.63	20.81	18.81
		2593	25.26	24.27	23.22	21.14	22.81	21.82	20.77	18.69
		2503.5	24.84	23.85	22.91	20.88	22.39	21.40	20.46	18.43
	100% RB	2682.5	25.16	24.14	23.32	21.28	22.71	21.69	20.87	18.83
		2593	25.27	24.29	23.24	21.20	22.82	21.84	20.79	18.75
		2503.5	24.84	23.87	22.92	20.88	22.39	21.42	20.47	18.43
20MHz	1 RB high	2680	26.40	25.59	24.54	21.93	23.95	23.14	22.09	19.48
		2593	26.49	25.73	24.69	21.93	24.04	23.28	22.24	19.48
		2506	25.99	25.21	24.20	21.62	23.54	22.76	21.75	19.17

	1 RB low	2680	26.30	25.52	24.57	21.95	23.85	23.07	22.12	19.50
		2593	26.32	25.54	24.66	21.74	23.87	23.09	22.21	19.29
		2506	25.89	25.16	24.19	21.37	23.44	22.71	21.74	18.92
	50% RB mid	2680	25.16	24.17	23.34	21.42	22.71	21.72	20.89	18.97
		2593	25.37	24.37	23.31	21.24	22.92	21.92	20.86	18.79
		2506	24.98	23.92	23.01	20.98	22.53	21.47	20.56	18.53
	100% RB	2680	25.18	24.14	23.38	21.34	22.73	21.69	20.93	18.89
		2593	25.34	24.33	23.25	21.26	22.89	21.88	20.80	18.81
		2506	24.89	23.89	22.95	20.96	22.44	21.44	20.50	18.51

LTE Band 48

Limits:≤23dBm/10MHz

The results for dBm/10MHz

Bandwidth	Frequency (MHz)	Modulation	RB Allocation	Conducted Power (dBm/10MHz)	EIRP (dBm/10MHz) (Gt - Lc = -3.22)
5MHz	3552.5	QPSK	1 RB low	23.67	20.45
5MHz	3552.5	QPSK	1 RB high	23.63	20.41
5MHz	3552.5	QPSK	100% RB	22.40	19.18
5MHz	3552.5	16QAM	1 RB low	22.72	19.50
5MHz	3552.5	16QAM	1 RB high	22.68	19.46
5MHz	3552.5	16QAM	100% RB	21.36	18.14
5MHz	3552.5	64QAM	1 RB low	21.75	18.53
5MHz	3552.5	64QAM	1 RB high	21.72	18.50
5MHz	3552.5	64QAM	100% RB	20.40	17.18
5MHz	3552.5	256QAM	1 RB low	18.63	15.41
5MHz	3552.5	256QAM	1 RB high	18.67	15.45
5MHz	3552.5	256QAM	100% RB	18.39	15.17
5MHz	3625	QPSK	1 RB low	24.15	20.93
5MHz	3625	QPSK	1 RB high	24.16	20.94
5MHz	3625	QPSK	100% RB	22.91	19.69
5MHz	3625	16QAM	1 RB low	23.24	20.02
5MHz	3625	16QAM	1 RB high	23.23	20.01
5MHz	3625	16QAM	100% RB	21.88	18.66
5MHz	3625	64QAM	1 RB low	22.29	19.07
5MHz	3625	64QAM	1 RB high	22.26	19.04
5MHz	3625	64QAM	100% RB	20.92	17.70
5MHz	3625	256QAM	1 RB low	19.22	16.00
5MHz	3625	256QAM	1 RB high	19.21	15.99
5MHz	3625	256QAM	100% RB	18.87	15.65
5MHz	3697.5	QPSK	1 RB low	24.14	20.92
5MHz	3697.5	QPSK	1 RB high	24.12	20.90
5MHz	3697.5	QPSK	100% RB	22.88	19.66
5MHz	3697.5	16QAM	1 RB low	23.24	20.02
5MHz	3697.5	16QAM	1 RB high	23.20	19.98
5MHz	3697.5	16QAM	100% RB	21.87	18.65
5MHz	3697.5	64QAM	1 RB low	22.20	18.98
5MHz	3697.5	64QAM	1 RB high	22.21	18.99
5MHz	3697.5	64QAM	100% RB	20.87	17.65
5MHz	3697.5	256QAM	1 RB low	19.11	15.89
5MHz	3697.5	256QAM	1 RB high	19.14	15.92
5MHz	3697.5	256QAM	100% RB	18.90	15.68
10MHz	3555	QPSK	1 RB low	23.61	20.39
10MHz	3555	QPSK	1 RB high	23.52	20.30

10MHz	3555	QPSK	100% RB	21.80	18.58
10MHz	3555	16QAM	1 RB low	22.80	19.58
10MHz	3555	16QAM	1 RB high	22.71	19.49
10MHz	3555	16QAM	100% RB	20.77	17.55
10MHz	3555	64QAM	1 RB low	21.63	18.41
10MHz	3555	64QAM	1 RB high	21.55	18.33
10MHz	3555	64QAM	100% RB	19.74	16.52
10MHz	3555	256QAM	1 RB low	18.67	15.45
10MHz	3555	256QAM	1 RB high	18.64	15.42
10MHz	3555	256QAM	100% RB	17.77	14.55
10MHz	3625	QPSK	1 RB low	23.99	20.77
10MHz	3625	QPSK	1 RB high	24.19	20.97
10MHz	3625	QPSK	100% RB	22.34	19.12
10MHz	3625	16QAM	1 RB low	23.10	19.88
10MHz	3625	16QAM	1 RB high	23.30	20.08
10MHz	3625	16QAM	100% RB	21.34	18.12
10MHz	3625	64QAM	1 RB low	22.04	18.82
10MHz	3625	64QAM	1 RB high	22.28	19.06
10MHz	3625	64QAM	100% RB	20.30	17.08
10MHz	3625	256QAM	1 RB low	19.08	15.86
10MHz	3625	256QAM	1 RB high	19.30	16.08
10MHz	3625	256QAM	100% RB	18.26	15.04
10MHz	3695	QPSK	1 RB low	24.09	20.87
10MHz	3695	QPSK	1 RB high	24.11	20.89
10MHz	3695	QPSK	100% RB	22.31	19.09
10MHz	3695	16QAM	1 RB low	23.22	20.00
10MHz	3695	16QAM	1 RB high	23.29	20.07
10MHz	3695	16QAM	100% RB	21.36	18.14
10MHz	3695	64QAM	1 RB low	22.13	18.91
10MHz	3695	64QAM	1 RB high	22.17	18.95
10MHz	3695	64QAM	100% RB	20.34	17.12
10MHz	3695	256QAM	1 RB low	19.21	15.99
10MHz	3695	256QAM	1 RB high	19.21	15.99
10MHz	3695	256QAM	100% RB	18.32	15.10
15MHz	3557.5	QPSK	1 RB low	23.70	20.48
15MHz	3557.5	QPSK	1 RB high	23.77	20.55
15MHz	3557.5	QPSK	100% RB	21.04	17.82
15MHz	3557.5	16QAM	1 RB low	22.85	19.63
15MHz	3557.5	16QAM	1 RB high	22.89	19.67
15MHz	3557.5	16QAM	100% RB	20.04	16.82
15MHz	3557.5	64QAM	1 RB low	21.96	18.74
15MHz	3557.5	64QAM	1 RB high	21.94	18.72
15MHz	3557.5	64QAM	100% RB	19.03	15.81

15MHz	3557.5	256QAM	1 RB low	18.68	15.46
15MHz	3557.5	256QAM	1 RB high	18.81	15.59
15MHz	3557.5	256QAM	100% RB	17.03	13.81
15MHz	3625	QPSK	1 RB low	24.00	20.78
15MHz	3625	QPSK	1 RB high	24.13	20.91
15MHz	3625	QPSK	100% RB	21.60	18.38
15MHz	3625	16QAM	1 RB low	23.08	19.86
15MHz	3625	16QAM	1 RB high	23.28	20.06
15MHz	3625	16QAM	100% RB	20.59	17.37
15MHz	3625	64QAM	1 RB low	22.06	18.84
15MHz	3625	64QAM	1 RB high	22.24	19.02
15MHz	3625	64QAM	100% RB	19.61	16.39
15MHz	3625	256QAM	1 RB low	19.06	15.84
15MHz	3625	256QAM	1 RB high	19.24	16.02
15MHz	3625	256QAM	100% RB	17.56	14.34
15MHz	3692.5	QPSK	1 RB low	23.98	20.76
15MHz	3692.5	QPSK	1 RB high	24.10	20.88
15MHz	3692.5	QPSK	100% RB	21.57	18.35
15MHz	3692.5	16QAM	1 RB low	23.09	19.87
15MHz	3692.5	16QAM	1 RB high	23.16	19.94
15MHz	3692.5	16QAM	100% RB	20.58	17.36
15MHz	3692.5	64QAM	1 RB low	22.01	18.79
15MHz	3692.5	64QAM	1 RB high	22.11	18.89
15MHz	3692.5	64QAM	100% RB	19.55	16.33
15MHz	3692.5	256QAM	1 RB low	18.99	15.77
15MHz	3692.5	256QAM	1 RB high	19.14	15.92
15MHz	3692.5	256QAM	100% RB	17.57	14.35
20MHz	3560	QPSK	1 RB low	23.60	20.38
20MHz	3560	QPSK	1 RB high	23.68	20.46
20MHz	3560	QPSK	100% RB	20.15	16.93
20MHz	3560	16QAM	1 RB low	22.75	19.53
20MHz	3560	16QAM	1 RB high	22.80	19.58
20MHz	3560	16QAM	100% RB	19.16	15.94
20MHz	3560	64QAM	1 RB low	21.70	18.48
20MHz	3560	64QAM	1 RB high	21.76	18.54
20MHz	3560	64QAM	100% RB	18.19	14.97
20MHz	3560	256QAM	1 RB low	18.61	15.39
20MHz	3560	256QAM	1 RB high	18.66	15.44
20MHz	3560	256QAM	100% RB	16.14	12.92
20MHz	3625	QPSK	1 RB low	23.94	20.72
20MHz	3625	QPSK	1 RB high	24.28	21.06
20MHz	3625	QPSK	100% RB	20.75	17.53
20MHz	3625	16QAM	1 RB low	23.17	19.95

20MHz	3625	16QAM	1 RB high	23.45	20.23
20MHz	3625	16QAM	100% RB	19.73	16.51
20MHz	3625	64QAM	1 RB low	22.12	18.90
20MHz	3625	64QAM	1 RB high	22.46	19.24
20MHz	3625	64QAM	100% RB	18.68	15.46
20MHz	3625	256QAM	1 RB low	19.17	15.95
20MHz	3625	256QAM	1 RB high	19.46	16.24
20MHz	3625	256QAM	100% RB	16.72	13.50
20MHz	3690	QPSK	1 RB low	24.00	20.78
20MHz	3690	QPSK	1 RB high	24.10	20.88
20MHz	3690	QPSK	100% RB	20.69	17.47
20MHz	3690	16QAM	1 RB low	23.21	19.99
20MHz	3690	16QAM	1 RB high	23.28	20.06
20MHz	3690	16QAM	100% RB	19.69	16.47
20MHz	3690	64QAM	1 RB low	22.21	18.99
20MHz	3690	64QAM	1 RB high	22.20	18.98
20MHz	3690	64QAM	100% RB	18.63	15.41
20MHz	3690	256QAM	1 RB low	19.19	15.97
20MHz	3690	256QAM	1 RB high	19.31	16.09
20MHz	3690	256QAM	100% RB	16.67	13.45

Radiated power(dBm) calculated from conducted power(dBm)

There is no limits for power(dBm)

Bandwidth	RB size/offset	Frequency (MHz)	Conducted Power(dBm)				EIRP(dBm)(Gt-Lc =-3.22)			
			QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
5MHz	1 RB high	3697.5	23.67	22.89	22.09	18.77	20.45	19.67	18.87	15.55
		3625	23.54	22.76	22.00	18.67	20.32	19.54	18.78	15.45
		3552.5	23.12	22.03	21.41	18.00	19.90	18.81	18.19	14.78
	1 RB low	3697.5	23.70	22.90	22.06	18.78	20.48	19.68	18.84	15.56
		3625	23.55	22.75	21.91	18.62	20.33	19.53	18.69	15.40
		3552.5	23.13	22.02	21.31	17.98	19.91	18.80	18.09	14.76
	50% RB mid	3697.5	22.61	21.71	20.62	18.58	19.39	18.49	17.40	15.36
		3625	22.47	21.59	20.46	18.40	19.25	18.37	17.24	15.18
		3552.5	21.97	21.08	19.81	17.78	18.75	17.86	16.59	14.56
	100% RB	3697.5	22.65	21.64	20.55	18.58	19.43	18.42	17.33	15.36
		3625	22.56	21.54	20.37	18.40	19.34	18.32	17.15	15.18
		3552.5	22.01	21.02	19.79	17.81	18.79	17.80	16.57	14.59
10MHz	1 RB high	3695	23.66	22.79	21.63	18.78	20.44	19.57	18.41	15.56
		3625	23.63	22.74	21.55	18.71	20.41	19.52	18.33	15.49
		3555	23.07	22.19	20.88	18.01	19.85	18.97	17.66	14.79
	1 RB low	3695	23.68	22.82	21.76	18.76	20.46	19.60	18.54	15.54
		3625	23.53	22.68	21.66	18.58	20.31	19.46	18.44	15.36
		3555	23.09	22.23	21.00	17.98	19.87	19.01	17.78	14.76
	50% RB mid	3695	22.62	21.62	20.57	18.56	19.40	18.40	17.35	15.34
		3625	22.51	21.50	20.39	18.39	19.29	18.28	17.17	15.17
		3555	22.02	21.00	19.79	17.79	18.80	17.78	16.57	14.57
	100% RB	3695	22.61	21.63	20.59	18.58	19.39	18.41	17.37	15.36
		3625	22.53	21.52	20.39	18.38	19.31	18.30	17.17	15.16
		3555	22.01	21.02	19.83	17.80	18.79	17.80	16.61	14.58
15MHz	1 RB high	3692.5	23.63	22.83	21.83	18.84	20.41	19.61	18.61	15.62
		3625	23.62	22.79	21.79	18.81	20.40	19.57	18.57	15.59
		3557.5	23.12	22.28	21.21	18.18	19.90	19.06	17.99	14.96
	1 RB low	3692.5	23.66	22.82	21.90	18.79	20.44	19.60	18.68	15.57
		3625	23.50	22.66	21.83	18.61	20.28	19.44	18.61	15.39
		3557.5	23.04	22.18	21.23	18.06	19.82	18.96	18.01	14.84
	50% RB mid	3692.5	22.62	21.68	20.59	18.53	19.40	18.46	17.37	15.31
		3625	22.48	21.51	20.37	18.30	19.26	18.29	17.15	15.08
		3557.5	22.03	21.04	19.82	17.74	18.81	17.82	16.60	14.52
	100% RB	3692.5	22.65	21.62	20.64	18.65	19.43	18.40	17.42	15.43
		3625	22.49	21.53	20.40	18.39	19.27	18.31	17.18	15.17
		3557.5	22.03	21.04	19.86	17.88	18.81	17.82	16.64	14.66
20MHz	1 RB high	3690	23.70	22.96	21.93	19.09	20.48	19.74	18.71	15.87
		3625	23.69	22.92	21.82	19.02	20.47	19.70	18.60	15.80
		3560	23.22	22.45	21.24	18.37	20.00	19.23	18.02	15.15

	1 RB low	3690	23.71	22.96	21.84	19.05	20.49	19.74	18.62	15.83
		3625	23.55	22.80	21.74	18.83	20.33	19.58	18.52	15.61
		3560	23.09	22.38	21.17	18.20	19.87	19.16	17.95	14.98
	50% RB mid	3690	22.67	21.69	20.67	18.60	19.45	18.47	17.45	15.38
		3625	22.52	21.57	20.46	18.43	19.30	18.35	17.24	15.21
		3560	22.12	21.11	19.99	17.88	18.90	17.89	16.77	14.66
	100% RB	3690	22.62	21.64	20.62	18.64	19.40	18.42	17.40	15.42
		3625	22.52	21.53	20.44	18.43	19.30	18.31	17.22	15.21
		3560	22.08	21.07	19.95	17.89	18.86	17.85	16.73	14.67

LTE Band 66-EIRP

Limits: ≤30dBm(1W)

Bandwidth	RB size/offset	Frequency (MHz)	Conducted Power(dBm)				EIRP(dBm)(Gt-Lc =-1.83)			
			QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
1.4MHz	1 RB high	1779.3	23.50	22.56	21.50	18.53	21.67	20.73	19.67	16.70
		1745	23.66	22.76	21.66	18.68	21.83	20.93	19.83	16.85
		1710.7	23.55	22.64	21.95	18.71	21.72	20.81	20.12	16.88
	1 RB low	1779.3	23.50	22.57	21.33	18.50	21.67	20.74	19.50	16.67
		1745	23.61	22.66	21.49	18.67	21.78	20.83	19.66	16.84
		1710.7	23.53	22.64	21.86	18.67	21.70	20.81	20.03	16.84
	50% RB mid	1779.3	23.59	22.72	21.37	18.49	21.76	20.89	19.54	16.66
		1745	23.72	22.83	21.47	18.60	21.89	21.00	19.64	16.77
		1710.7	23.66	22.77	21.48	18.61	21.83	20.94	19.65	16.78
	100% RB	1779.3	22.52	21.72	20.43	18.47	20.69	19.89	18.60	16.64
		1745	22.65	21.85	20.57	18.60	20.82	20.02	18.74	16.77
		1710.7	22.58	21.78	20.56	18.60	20.75	19.95	18.73	16.77
3MHz	1 RB high	1778.5	23.49	22.53	21.42	18.50	21.66	20.70	19.59	16.67
		1745	23.61	22.64	21.52	18.60	21.78	20.81	19.69	16.77
		1711.5	23.54	23.09	21.50	18.58	21.71	21.26	19.67	16.75
	1 RB low	1778.5	23.46	22.51	21.25	18.46	21.63	20.68	19.42	16.63
		1745	23.65	22.69	21.36	18.65	21.82	20.86	19.53	16.82
		1711.5	23.61	23.14	21.34	18.60	21.78	21.31	19.51	16.77
	50% RB mid	1778.5	22.49	21.54	20.55	18.49	20.66	19.71	18.72	16.66
		1745	22.68	21.72	20.74	18.66	20.85	19.89	18.91	16.83
		1711.5	22.56	21.63	20.53	18.57	20.73	19.80	18.70	16.74
	100% RB	1778.5	22.53	21.46	20.50	18.46	20.70	19.63	18.67	16.63
		1745	22.69	21.63	20.74	18.67	20.86	19.80	18.91	16.84
		1711.5	22.60	21.52	20.62	18.56	20.77	19.69	18.79	16.73
5MHz	1 RB high	1777.5	23.59	22.59	21.56	18.32	21.76	20.76	19.73	16.49
		1745	23.83	22.78	21.94	18.77	22.00	20.95	20.11	16.94
		1712.5	23.72	22.52	21.84	18.72	21.89	20.69	20.01	16.89
	1 RB low	1777.5	23.60	22.61	21.47	18.28	21.77	20.78	19.64	16.45
		1745	23.88	22.81	21.94	18.87	22.05	20.98	20.11	17.04
		1712.5	23.74	22.53	21.87	18.72	21.91	20.70	20.04	16.89
	50% RB mid	1777.5	22.57	21.64	20.74	18.64	20.74	19.81	18.91	16.81
		1745	22.72	21.78	20.88	18.83	20.89	19.95	19.05	17.00
		1712.5	22.61	21.71	20.66	18.71	20.78	19.88	18.83	16.88
	100% RB	1777.5	22.59	21.53	20.61	18.63	20.76	19.70	18.78	16.80
		1745	22.77	21.71	20.79	18.78	20.94	19.88	18.96	16.95
		1712.5	22.69	21.61	20.68	18.67	20.86	19.78	18.85	16.84
10MHz	1 RB high	1775	23.64	22.66	21.61	18.75	21.81	20.83	19.78	16.92
		1745	23.72	22.72	21.66	18.82	21.89	20.89	19.83	16.99
		1715	23.71	22.73	21.63	18.75	21.88	20.90	19.80	16.92

	1 RB low	1775	23.55	22.62	21.44	18.66	21.72	20.79	19.61	16.83
		1745	23.72	22.77	21.46	18.83	21.89	20.94	19.63	17.00
		1715	23.64	22.68	21.49	18.71	21.81	20.85	19.66	16.88
	50% RB mid	1775	22.62	21.72	20.64	18.65	20.79	19.89	18.81	16.82
		1745	22.77	21.83	20.82	18.78	20.94	20.00	18.99	16.95
		1715	22.72	21.74	20.76	18.68	20.89	19.91	18.93	16.85
	100% RB	1775	22.64	21.64	20.61	18.58	20.81	19.81	18.78	16.75
		1745	22.78	21.77	20.74	18.72	20.95	19.94	18.91	16.89
		1715	22.71	21.73	20.68	18.68	20.88	19.90	18.85	16.85
15MHz	1 RB high	1772.5	23.62	23.00	22.01	18.95	21.79	21.17	20.18	17.12
		1745	23.65	23.06	22.08	18.98	21.82	21.23	20.25	17.15
		1717.5	23.74	23.13	22.17	19.09	21.91	21.30	20.34	17.26
	1 RB low	1772.5	23.60	22.95	21.96	18.93	21.77	21.12	20.13	17.10
		1745	23.73	23.09	22.02	19.06	21.90	21.26	20.19	17.23
		1717.5	23.61	23.06	22.11	19.02	21.78	21.23	20.28	17.19
	50% RB mid	1772.5	22.55	21.54	20.53	18.51	20.72	19.71	18.70	16.68
		1745	22.68	21.68	20.66	18.69	20.85	19.85	18.83	16.86
		1717.5	22.70	21.60	20.71	18.61	20.87	19.77	18.88	16.78
	100% RB	1772.5	22.55	21.56	20.58	18.57	20.72	19.73	18.75	16.74
		1745	22.72	21.73	20.71	18.75	20.89	19.90	18.88	16.92
		1717.5	22.67	21.68	20.67	18.68	20.84	19.85	18.84	16.85
20MHz	1 RB high	1770	23.63	23.31	21.53	18.63	21.80	21.48	19.70	16.80
		1745	23.77	23.42	21.61	18.75	21.94	21.59	19.78	16.92
		1720	23.78	23.50	21.65	18.74	21.95	21.67	19.82	16.91
	1 RB low	1770	23.59	23.26	21.89	18.57	21.76	21.43	20.06	16.74
		1745	23.72	23.39	21.97	18.72	21.89	21.56	20.14	16.89
		1720	23.67	23.34	22.02	18.65	21.84	21.51	20.19	16.82
	50% RB mid	1770	22.58	21.60	20.57	18.60	20.75	19.77	18.74	16.77
		1745	22.78	21.72	20.77	18.74	20.95	19.89	18.94	16.91
		1720	22.80	21.69	20.79	18.71	20.97	19.86	18.96	16.88
	100% RB	1770	22.59	21.60	20.58	18.54	20.76	19.77	18.75	16.71
		1745	22.77	21.76	20.76	18.75	20.94	19.93	18.93	16.92
		1720	22.73	21.72	20.72	18.75	20.90	19.89	18.89	16.92

LTE Band 71-ERP

Limits: ≤34.77dBm(3W)

Bandwidth	RB size/offset	Frequency (MHz)	Conducted Power(dBm)				ERP(dBm)(Gt-Lc =-3.64)			
			QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
5MHz	1 RB high	695.5	23.06	22.26	21.24	17.98	17.27	16.47	15.45	12.19
		680.5	23.14	22.31	21.29	18.07	17.35	16.52	15.50	12.28
		665.5	23.04	22.27	21.13	17.96	17.25	16.48	15.34	12.17
	1 RB low	695.5	23.12	22.31	21.31	18.00	17.33	16.52	15.52	12.21
		680.5	23.19	22.36	21.33	18.06	17.40	16.57	15.54	12.27
		665.5	23.19	22.22	21.07	18.11	17.40	16.43	15.28	12.32
	50% RB mid	695.5	22.16	21.15	20.20	18.04	16.37	15.36	14.41	12.25
		680.5	22.15	21.19	20.21	18.02	16.36	15.40	14.42	12.23
		665.5	22.03	21.02	20.07	17.91	16.24	15.23	14.28	12.12
	100% RB	695.5	22.18	21.17	20.15	18.13	16.39	15.38	14.36	12.34
		680.5	22.18	21.19	20.17	18.06	16.39	15.40	14.38	12.27
		665.5	22.07	21.04	19.99	18.00	16.28	15.25	14.20	12.21
10MHz	1 RB high	693	23.11	22.31	21.29	17.98	17.32	16.52	15.50	12.19
		680.5	23.22	22.37	21.28	18.13	17.43	16.58	15.49	12.34
		668	23.07	22.28	21.28	18.00	17.28	16.49	15.49	12.21
	1 RB low	693	23.17	22.28	21.31	18.08	17.38	16.49	15.52	12.29
		680.5	23.17	22.42	21.37	18.08	17.38	16.63	15.58	12.29
		668	23.22	22.30	21.15	18.10	17.43	16.51	15.36	12.31
	50% RB mid	693	22.09	21.11	20.08	18.03	16.30	15.32	14.29	12.24
		680.5	22.18	21.15	20.13	18.12	16.39	15.36	14.34	12.33
		668	22.05	21.02	20.00	17.92	16.26	15.23	14.21	12.13
	100% RB	693	22.11	21.10	20.08	18.00	16.32	15.31	14.29	12.21
		680.5	22.16	21.19	20.15	18.04	16.37	15.40	14.36	12.25
		668	22.02	21.05	20.06	17.95	16.23	15.26	14.27	12.16
15MHz	1 RB high	690.5	23.16	22.39	21.34	18.07	17.37	16.60	15.55	12.28
		680.5	23.23	22.42	21.27	18.12	17.44	16.63	15.48	12.33
		670.5	23.18	22.38	21.26	18.06	17.39	16.59	15.47	12.27
	1 RB low	690.5	23.20	22.38	21.22	18.12	17.41	16.59	15.43	12.33
		680.5	23.15	22.40	21.32	18.07	17.36	16.61	15.53	12.28
		670.5	23.16	22.20	21.11	18.07	17.37	16.41	15.32	12.28
	50% RB mid	690.5	22.15	21.13	20.12	18.08	16.36	15.34	14.33	12.29
		680.5	22.12	21.17	20.16	18.02	16.33	15.38	14.37	12.23
		670.5	22.03	21.09	20.08	17.98	16.24	15.30	14.29	12.19
	100% RB	690.5	22.14	21.14	20.14	18.07	16.35	15.35	14.35	12.28
		680.5	22.20	21.20	20.18	18.08	16.41	15.41	14.39	12.29
		670.5	22.09	21.11	20.07	17.99	16.30	15.32	14.28	12.20
20MHz	1 RB high	688	23.27	22.31	21.25	18.20	17.48	16.52	15.46	12.41
		680.5	23.28	22.42	21.36	18.21	17.49	16.63	15.57	12.42
		673	23.30	22.52	21.33	18.19	17.51	16.73	15.54	12.40

	1 RB low	688	23.25	22.46	21.37	18.20	17.46	16.67	15.58	12.41
		680.5	23.12	22.27	21.23	18.02	17.33	16.48	15.44	12.23
		673	23.14	22.31	21.10	18.01	17.35	16.52	15.31	12.22
	50% RB mid	688	22.24	21.19	20.18	18.13	16.45	15.40	14.39	12.34
		680.5	22.22	21.23	20.19	18.16	16.43	15.44	14.40	12.37
		673	22.16	21.16	20.14	18.05	16.37	15.37	14.35	12.26
	100% RB	688	22.20	21.16	20.13	18.14	16.41	15.37	14.34	12.35
		680.5	22.17	21.17	20.15	18.07	16.38	15.38	14.36	12.28
		673	22.10	21.09	20.09	17.98	16.31	15.30	14.30	12.19

LTE CA Band 41C-EIRP

Limits: ≤33dBm(2W)

Bandwidth	Frequency(MHz)	Frequency(MHz)	Modulation	PCC RB		SCC RB		Conducted Power(dBm)	EIRP(dBm) (Gt-Lc =-2.45)
				Size	Offset	Size	Offset		
5MHz/20MHz	2583.8	2595.5	QPSK	1	24	1	0	26.22	23.77
			QPSK	25	0	100	0	24.26	21.81
			16QAM	1	24	1	0	24.86	22.41
			16QAM	25	0	100	0	23.17	20.72
			64QAM	1	24	1	0	23.10	20.65
			64QAM	25	0	100	0	23.22	20.77
			256QAM	1	24	1	0	21.14	18.69
			256QAM	25	0	100	0	21.11	18.66
10MHz/15MHz	2585.9	2597.9	QPSK	1	49	1	0	26.37	23.92
			QPSK	50	0	75	0	24.35	21.90
			16QAM	1	49	1	0	24.91	22.46
			16QAM	50	0	75	0	23.21	20.76
			64QAM	1	49	1	0	22.97	20.52
			64QAM	50	0	75	0	23.24	20.79
			256QAM	1	49	1	0	21.23	18.78
			256QAM	50	0	75	0	21.21	18.76
10MHz/20MHz	2583.6	2598	QPSK	1	49	1	0	26.39	23.94
			QPSK	50	0	100	0	24.42	21.97
			16QAM	1	49	1	0	24.66	22.21
			16QAM	50	0	100	0	23.29	20.84
			64QAM	1	49	1	0	22.78	20.33
			64QAM	50	0	100	0	23.27	20.82
			256QAM	1	49	1	0	21.22	18.77
			256QAM	50	0	100	0	21.22	18.77
15MHz/10MHz	2588.1	2600.1	QPSK	1	74	1	0	26.47	24.02
			QPSK	75	0	50	0	24.39	21.94
			16QAM	1	74	1	0	24.99	22.54
			16QAM	75	0	50	0	23.29	20.84
			64QAM	1	74	1	0	23.53	21.08
			64QAM	75	0	50	0	23.27	20.82
			256QAM	1	74	1	0	21.31	18.86
			256QAM	75	0	50	0	21.22	18.77
15MHz/15MHz	2585.5	2600.5	QPSK	1	74	1	0	26.52	24.07
			QPSK	75	0	75	0	24.44	21.99
			16QAM	1	74	1	0	24.66	22.21
			16QAM	75	0	75	0	23.36	20.91
			64QAM	1	74	1	0	23.54	21.09
			64QAM	75	0	75	0	23.29	20.84

			256QAM	1	74	1	0	21.23	18.78
			256QAM	75	0	75	0	21.20	18.75
15MHz/20MHz	2583.3	2600.4	QPSK	1	74	1	0	26.51	24.06
			QPSK	75	0	100	0	24.37	21.92
			16QAM	1	74	1	0	24.92	22.47
			16QAM	75	0	100	0	23.26	20.81
			64QAM	1	74	1	0	23.49	21.04
			64QAM	75	0	100	0	23.18	20.73
			256QAM	1	74	1	0	21.33	18.88
			256QAM	75	0	100	0	21.19	18.74
20MHz/5MHz	2590.5	2602.2	QPSK	1	99	1	0	26.43	23.98
			QPSK	100	0	25	0	24.43	21.98
			16QAM	1	99	1	0	24.85	22.40
			16QAM	100	0	25	0	23.34	20.89
			64QAM	1	99	1	0	23.11	20.66
			64QAM	100	0	25	0	23.26	20.81
			256QAM	1	99	1	0	21.13	18.68
			256QAM	100	0	25	0	21.23	18.78
20MHz/10MHz	2588.1	2602.5	QPSK	1	99	1	0	26.49	24.04
			QPSK	100	0	50	0	24.43	21.98
			16QAM	1	99	1	0	25.05	22.60
			16QAM	100	0	50	0	23.29	20.84
			64QAM	1	99	1	0	23.45	21.00
			64QAM	100	0	50	0	23.35	20.90
			256QAM	1	99	1	0	21.14	18.69
			256QAM	100	0	50	0	21.23	18.78
20MHz/15MHz	2585.6	2602.7	QPSK	1	99	1	0	26.48	24.03
			QPSK	100	0	75	0	24.41	21.96
			16QAM	1	99	1	0	24.90	22.45
			16QAM	100	0	75	0	23.32	20.87
			64QAM	1	99	1	0	23.16	20.71
			64QAM	100	0	75	0	23.31	20.86
			256QAM	1	99	1	0	21.13	18.68
			256QAM	100	0	75	0	21.21	18.76
20MHz/20MHz	2583.1	2602.9	QPSK	1	99	1	0	26.49	24.04
			QPSK	100	0	100	0	24.47	22.02
			16QAM	1	99	1	0	24.90	22.45
			16QAM	100	0	100	0	23.32	20.87
			64QAM	1	99	1	0	23.18	20.73
			64QAM	100	0	100	0	23.24	20.79
			256QAM	1	99	1	0	21.13	18.68
			256QAM	100	0	100	0	21.22	18.77

LTE CA Band 48C-EIRP

Limits: ≤23dBm/10MHz

The results for dBm/10MHz

BW	PCC Freq (MHz)	SCC Freq (MHz)	Modulation	PCC RB	SCC RB	Conducted Power (dBm/10MHz)	EIRP (dBm/10MHz) GT = -3.22dBi
5MHz/20MHz	3615.8	3627.5	QPSK	1 RB high	1 RB low	23.96	20.74
5MHz/20MHz	3615.8	3627.5	QPSK	100% RB	100% RB	19.62	16.40
5MHz/20MHz	3615.8	3627.5	16QAM	1 RB high	1 RB low	22.90	19.68
5MHz/20MHz	3615.8	3627.5	16QAM	100% RB	100% RB	18.62	15.40
5MHz/20MHz	3615.8	3627.5	64QAM	1 RB high	1 RB low	20.84	17.62
5MHz/20MHz	3615.8	3627.5	64QAM	100% RB	100% RB	18.64	15.42
5MHz/20MHz	3615.8	3627.5	256QAM	1 RB high	1 RB low	18.83	15.61
5MHz/20MHz	3615.8	3627.5	256QAM	100% RB	100% RB	16.64	13.42
10MHz/20MHz	3615.6	3630	QPSK	1 RB high	1 RB low	23.91	20.69
10MHz/20MHz	3615.6	3630	QPSK	100% RB	100% RB	18.67	15.45
10MHz/20MHz	3615.6	3630	16QAM	1 RB high	1 RB low	22.96	19.74
10MHz/20MHz	3615.6	3630	16QAM	100% RB	100% RB	17.71	14.49
10MHz/20MHz	3615.6	3630	64QAM	1 RB high	1 RB low	20.73	17.51
10MHz/20MHz	3615.6	3630	64QAM	100% RB	100% RB	17.69	14.47
10MHz/20MHz	3615.6	3630	256QAM	1 RB high	1 RB low	18.81	15.59
10MHz/20MHz	3615.6	3630	256QAM	100% RB	100% RB	15.70	12.48
15MHz/20MHz	3615.3	3632.4	QPSK	1 RB high	1 RB low	24.03	20.81
15MHz/20MHz	3615.3	3632.4	QPSK	100% RB	100% RB	17.72	14.50
15MHz/20MHz	3615.3	3632.4	16QAM	1 RB high	1 RB low	23.08	19.86
15MHz/20MHz	3615.3	3632.4	16QAM	100% RB	100% RB	16.70	13.48
15MHz/20MHz	3615.3	3632.4	64QAM	1 RB high	1 RB low	20.75	17.53
15MHz/20MHz	3615.3	3632.4	64QAM	100% RB	100% RB	16.68	13.46
15MHz/20MHz	3615.3	3632.4	256QAM	1 RB high	1 RB low	18.94	15.72
15MHz/20MHz	3615.3	3632.4	256QAM	100% RB	100% RB	14.66	11.44
20MHz/5MHz	3622.5	3634.2	QPSK	1 RB high	1 RB low	24.12	20.90
20MHz/5MHz	3622.5	3634.2	QPSK	100% RB	100% RB	19.64	16.42
20MHz/5MHz	3622.5	3634.2	16QAM	1 RB high	1 RB low	23.09	19.87
20MHz/5MHz	3622.5	3634.2	16QAM	100% RB	100% RB	18.63	15.41
20MHz/5MHz	3622.5	3634.2	64QAM	1 RB high	1 RB low	21.04	17.82
20MHz/5MHz	3622.5	3634.2	64QAM	100% RB	100% RB	18.58	15.36
20MHz/5MHz	3622.5	3634.2	256QAM	1 RB high	1 RB low	19.09	15.87
20MHz/5MHz	3622.5	3634.2	256QAM	100% RB	100% RB	16.60	13.38
20MHz/10MHz	3620.1	3634.5	QPSK	1 RB high	1 RB low	24.05	20.83
20MHz/10MHz	3620.1	3634.5	QPSK	100% RB	100% RB	18.55	15.33
20MHz/10MHz	3620.1	3634.5	16QAM	1 RB high	1 RB low	23.03	19.81
20MHz/10MHz	3620.1	3634.5	16QAM	100% RB	100% RB	17.59	14.37
20MHz/10MHz	3620.1	3634.5	64QAM	1 RB high	1 RB low	20.95	17.73
20MHz/10MHz	3620.1	3634.5	64QAM	100% RB	100% RB	17.54	14.32

20MHz/10MHz	3620.1	3634.5	256QAM	1 RB high	1 RB low	18.96	15.74
20MHz/10MHz	3620.1	3634.5	256QAM	100% RB	100% RB	15.64	12.42
20MHz/15MHz	3617.6	3634.7	QPSK	1 RB high	1 RB low	24.02	20.80
20MHz/15MHz	3617.6	3634.7	QPSK	100% RB	100% RB	17.61	14.39
20MHz/15MHz	3617.6	3634.7	16QAM	1 RB high	1 RB low	22.92	19.70
20MHz/15MHz	3617.6	3634.7	16QAM	100% RB	100% RB	16.46	13.24
20MHz/15MHz	3617.6	3634.7	64QAM	1 RB high	1 RB low	20.90	17.68
20MHz/15MHz	3617.6	3634.7	64QAM	100% RB	100% RB	16.51	13.29
20MHz/15MHz	3617.6	3634.7	256QAM	1 RB high	1 RB low	18.95	15.73
20MHz/15MHz	3617.6	3634.7	256QAM	100% RB	100% RB	14.59	11.37
20MHz/20MHz	3615.1	3634.9	QPSK	1 RB high	1 RB low	23.92	20.70
20MHz/20MHz	3615.1	3634.9	QPSK	100% RB	100% RB	16.79	13.57
20MHz/20MHz	3615.1	3634.9	16QAM	1 RB high	1 RB low	22.94	19.72
20MHz/20MHz	3615.1	3634.9	16QAM	100% RB	100% RB	15.77	12.55
20MHz/20MHz	3615.1	3634.9	64QAM	1 RB high	1 RB low	20.91	17.69
20MHz/20MHz	3615.1	3634.9	64QAM	100% RB	100% RB	15.72	12.50
20MHz/20MHz	3615.1	3634.9	256QAM	1 RB high	1 RB low	18.91	15.69
20MHz/20MHz	3615.1	3634.9	256QAM	100% RB	100% RB	13.74	10.52

Radiated power(dBm) calculated from conducted power(dBm)

Bandwidth	Frequency (MHz)	Frequency (MHz)	Modulation	PCC RB		SCC RB		Conducted Power(dBm)	EIRP(dBm)(Gt-Lc =-3.22)
				Size	Offset	Size	Offset		
5MHz/20MHz	3615.8	3627.5	QPSK	1	24	1	0	23.26	20.04
			QPSK	25	0	100	0	21.39	18.17
			16QAM	1	24	1	0	22.33	19.11
			16QAM	25	0	100	0	20.45	17.23
			64QAM	1	24	1	0	20.22	17.00
			64QAM	25	0	100	0	20.45	17.23
			256QAM	1	24	1	0	18.30	15.08
			256QAM	25	0	100	0	18.42	15.20
10MHz/20MHz	3615.6	3630	QPSK	1	49	1	0	23.31	20.09
			QPSK	50	0	100	0	21.43	18.21
			16QAM	1	49	1	0	22.30	19.08
			16QAM	50	0	100	0	20.44	17.22
			64QAM	1	49	1	0	20.06	16.84
			64QAM	50	0	100	0	20.44	17.22
			256QAM	1	49	1	0	18.25	15.03
			256QAM	50	0	100	0	18.46	15.24
15MHz/20MHz	3615.3	3632.4	QPSK	1	74	1	0	23.28	20.06
			QPSK	75	0	100	0	21.40	18.18
			16QAM	1	74	1	0	22.25	19.03
			16QAM	75	0	100	0	20.27	17.05
			64QAM	1	74	1	0	20.35	17.13
			64QAM	75	0	100	0	20.32	17.10
			256QAM	1	74	1	0	18.41	15.19
			256QAM	75	0	100	0	18.31	15.09
20MHz/5MHz	3622.5	3634.2	QPSK	1	99	1	0	23.34	20.12
			QPSK	100	0	25	0	21.23	18.01
			16QAM	1	99	1	0	22.45	19.23
			16QAM	100	0	25	0	20.31	17.09
			64QAM	1	99	1	0	20.47	17.25
			64QAM	100	0	25	0	20.32	17.10
			256QAM	1	99	1	0	18.50	15.28
			256QAM	100	0	25	0	18.29	15.07
20MHz/10MHz	3620.1	3634.5	QPSK	1	99	1	0	23.22	20.00
			QPSK	100	0	50	0	21.25	18.03
			16QAM	1	99	1	0	22.16	18.94
			16QAM	100	0	50	0	20.26	17.04
			64QAM	1	99	1	0	20.38	17.16
			64QAM	100	0	50	0	20.26	17.04
			256QAM	1	99	1	0	18.50	15.28
			256QAM	100	0	50	0	18.29	15.07

20MHz/15MHz	3617.6	3634.7	QPSK	1	99	1	0	23.28	20.06
			QPSK	100	0	75	0	21.30	18.08
			16QAM	1	99	1	0	22.43	19.21
			16QAM	100	0	75	0	20.31	17.09
			64QAM	1	99	1	0	20.40	17.18
			64QAM	100	0	75	0	20.34	17.12
			256QAM	1	99	1	0	18.24	15.02
			256QAM	100	0	75	0	18.31	15.09
20MHz/20MHz	3615.1	3634.9	QPSK	1	99	1	0	23.26	20.04
			QPSK	100	0	100	0	21.31	18.09
			16QAM	1	99	1	0	22.25	19.03
			16QAM	100	0	100	0	20.30	17.08
			64QAM	1	99	1	0	20.44	17.22
			64QAM	100	0	100	0	20.38	17.16
			256QAM	1	99	1	0	18.19	14.97
			256QAM	100	0	100	0	18.39	15.17