



REPORT No.: SZ23080275W02

TEST REPORT

APPLICANT : BLU Products, Inc.

PRODUCT NAME : Smart Phone

MODEL NAME : G73L

BRAND NAME : BLU

FCC ID : YHLBLUG73L

STANDARD(S) : 47 CFR Part 2
47 CFR Part 22, Subpart H
47 CFR Part 24, Subpart E
47 CFR Part 27, Subpart H&L&M&N

RECEIPT DATE : 2023-10-18

TEST DATE : 2023-11-03 to 2023-12-01

ISSUE DATE : 2023-12-20



Edited by:

Peng Mi

Peng Mi (Rapporteur)

Approved by:

Shen Junsheng

Shen Junsheng (Supervisor)

NOTE: This document is issued by Shenzhen Morlab Communications Technology Co., Ltd., the test report shall not be reproduced except in full without prior written permission of the company. The test results apply only to the particular sample(s) tested and to the specific tests carried out which is available on request for validation and information confirmed at our website.

MORLAB

Shenzhen Morlab Communications Technology Co., Ltd.
FL.1-3, Building A, FeiYang Science Park, No.8 LongChang Road,
Block67, BaoAn District, ShenZhen, Guangdong Province, P. R. China

Tel: 86-755-36698555

Http://www.morlab.cn

Fax: 86-755-36698525

E-mail: service@morlab.cn





DIRECTORY

1. Technical Information	3
1.1. Applicant and Manufacturer Information	3
1.2. Equipment Under Test (EUT) Description	3
1.3. Maximum E.R.P./E.I.R.P. and Emission Designator	6
1.4. Test Standards and Results	8
1.5. Environmental Conditions	9
2. 47 CFR Part 2, Part 22H, Part 24E, Part 27 H&L&M&N Requirements	10
2.1. Transmitter Conducted Output Power and E.R.P./E.I.R.P.	10
2.2. Occupied Bandwidth	91
2.3. Frequency Stability	141
2.4. Peak to Average Ratio	147
2.5. Conducted Spurious Emissions	169
2.6. Band Edge	194
2.7. Radiated Spurious Emissions	225
Annex A Test Uncertainty	255
Annex B Testing Laboratory Information	256

Change History		
Version	Date	Reason for change
1.0	2023-12-20	First edition



1. Technical Information

Note: Provide by applicant.

1.1. Applicant and Manufacturer Information

Applicant:	BLU Products, Inc.
Applicant Address:	8600 NW 36th Street, Suite #200 Doral, FL 33166, USA
Manufacturer:	BLU Products, Inc.
Manufacturer Address:	8600 NW 36th Street, Suite #200 Doral, FL 33166, USA

1.2. Equipment Under Test (EUT) Description

Product Name:	Smart Phone	
Sample No.:	2#	
Hardware Version:	SC6303_MB_V1.1.0	
Software Version:	BLU_G0930_V13.0.G.01.00_GENERIC 24-09-2023	
Modulation Type:	QPSK, 16QAM	
Carrier Aggregation:	Not Support	
Operation Band:	Band 2 / 4 / 5 / 7 / 12 / 17 / 38 / 66 / 71	
Frequency Range:	LTE Band 2	Tx: 1850MHz–1910MHz
		Rx: 1930MHz–1990MHz
	LTE Band 4	Tx: 1710MHz–1755MHz
		Rx: 2110MHz–2155MHz
	LTE Band 5	Tx: 824MHz–849MHz
		Rx: 869MHz–894MHz
	LTE Band 7	Tx: 2500MHz–2570MHz
		Rx: 2620MHz–2690MHz
	LTE Band 12	Tx: 699MHz–716MHz
		Rx: 729MHz–746MHz
	LTE Band 17	Tx: 704MHz–716MHz
		Rx: 734MHz–746MHz
	LTE Band 38	Tx: 2570MHz–2620MHz
		Rx: 2570MHz–2620MHz
	LTE Band 66	Tx: 1710MHz–1780MHz
		Rx: 2110MHz–2200MHz



Frequency Range:	LTE Band 71	Tx: 663MHz–698MHz
		Rx: 617MHz–652MHz
Channel Bandwidth:	LTE Band 2	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 4	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 5	1.4MHz, 3MHz, 5MHz, 10MHz
	LTE Band 7	5 MHz, 10MHz, 15MHz, 20MHz
	LTE Band 12	1.4MHz, 3 MHz, 5 MHz, 10MHz
	LTE Band 17	5 MHz, 10MHz
	LTE Band 38	5 MHz, 10MHz, 15MHz, 20MHz
	LTE Band 66	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 71	5MHz, 10MHz, 15MHz, 20MHz
Antenna Type:	PIFA Antenna	
Antenna Gain:	LTE Band 2	0.81dBi
	LTE Band 4	0.92dBi
	LTE Band 5	-0.71dBi
	LTE Band 7	1.12dBi
	LTE Band 12	-1.42dBi
	LTE Band 17	-1.42dBi
	LTE Band 38	1.12dBi
	LTE Band 66	0.92dBi
	LTE Band 71	-4.30dBi
Accessory Information:	Battery	
	Brand Name:	BLU
	Model No.:	C806051500P
	Serial No.:	N/A
	Capacity:	5000mAh
	Rated Voltage:	3.87V
	Charge Limit:	4.45V
	Manufacturer:	Shenzhen Jiuliyuan Electronic Technology Co., Ltd.



REPORT No.: SZ23080275W02

Accessory Information:	AC Adapter	
	Brand Name:	BLU
	Model No.:	US-HY-2000
	Serial No.:	N/A
	Rated Output:	5V=2000mA
	Rated Input:	100-240V~50/60Hz, 0.3A
	Manufacturer:	Shenzhen Zhongfu core Technology Co., LTD

Note 1: For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.

1.3. Maximum E.R.P./E.I.R.P. and Emission Designator

LTE Band 2	Maximum E.R.P./E.I.R.P. (W)		Emission Designator (99%OBW)	
BW(MHz)	QPSK	16QAM	QPSK	16QAM
20	0.277	0.230	18M0G7D	18M1W7D
15	0.268	0.229	13M5G7D	13M5W7D
10	0.270	0.227	9M01G7D	8M99W7D
5	0.267	0.228	4M50G7D	4M51W7D
3	0.267	0.229	2M72G7D	2M71W7D
1.4	0.270	0.227	1M10G7D	1M10W7D
LTE Band 4	Maximum E.R.P./E.I.R.P. (W)		Emission Designator (99%OBW)	
BW(MHz)	QPSK	16QAM	QPSK	16QAM
20	0.157	0.132	18M0G7D	18M1W7D
15	0.151	0.136	13M5G7D	13M5W7D
10	0.152	0.136	9M01G7D	8M98W7D
5	0.151	0.134	4M50G7D	4M50W7D
3	0.151	0.134	2M72G7D	2M72W7D
1.4	0.152	0.134	1M10G7D	1M10W7D
LTE Band 5	Maximum E.R.P./E.I.R.P. (W)		Emission Designator (99%OBW)	
BW(MHz)	QPSK	16QAM	QPSK	16QAM
10	0.116	0.093	9M03G7D	8M97W7D
5	0.111	0.095	4M50G7D	4M51W7D
3	0.110	0.092	2M71G7D	2M71W7D
1.4	0.111	0.092	1M10G7D	1M10W7D
LTE Band 7	Maximum E.R.P./E.I.R.P. (W)		Emission Designator (99%OBW)	
BW(MHz)	QPSK	16QAM	QPSK	16QAM
20	0.092	0.076	18M0G7D	18M1W7D
15	0.091	0.076	13M5G7D	13M5W7D
10	0.090	0.075	9M02G7D	8M97W7D
5	0.091	0.076	4M50G7D	4M51W7D
LTE Band 12	Maximum E.R.P./E.I.R.P. (W)		Emission Designator (99%OBW)	
BW(MHz)	QPSK	16QAM	QPSK	16QAM
10	0.100	0.085	9M03G7D	9M00W7D
5	0.097	0.084	4M50G7D	4M51W7D
3	0.099	0.084	2M72G7D	2M71W7D
1.4	0.099	0.084	1M10G7D	1M10W7D



LTE Band 17	Maximum E.R.P./E.I.R.P. (W)		Emission Designator (99%OBW)	
BW(MHz)	QPSK	16QAM	QPSK	16QAM
10	0.097	0.082	9M00G7D	8M96W7D
5	0.095	0.081	4M50G7D	4M50W7D
LTE Band 38	Maximum E.R.P./E.I.R.P. (W)		Emission Designator (99%OBW)	
BW(MHz)	QPSK	16QAM	QPSK	16QAM
20	0.294	0.247	18M0G7D	18M0W7D
15	0.294	0.240	13M5G7D	13M5W7D
10	0.291	0.243	9M00G7D	8M99W7D
5	0.292	0.243	4M51G7D	4M51W7D
LTE Band 66	Maximum E.R.P./E.I.R.P. (W)		Emission Designator (99%OBW)	
BW(MHz)	QPSK	16QAM	QPSK	16QAM
20	0.163	0.135	18M0G7D	18M0W7D
15	0.155	0.134	13M5G7D	13M5W7D
10	0.153	0.133	9M01G7D	8M98W7D
5	0.154	0.132	4M50G7D	4M51W7D
3	0.152	0.132	2M72G7D	2M73W7D
1.4	0.157	0.131	1M10G7D	1M10W7D
LTE Band 71	Maximum E.R.P./E.I.R.P. (W)		Emission Designator (99%OBW)	
BW(MHz)	QPSK	16QAM	QPSK	16QAM
20	0.050	0.042	18M0G7D	18M0W7D
15	0.048	0.042	13M5G7D	13M5W7D
10	0.047	0.041	9M01G7D	8M99W7D
5	0.048	0.041	4M51G7D	4M51W7D



1.4. Test Standards and Results

The objective of the report is to perform testing according to Part 2, Part 22, Part 24, Part 27 for the EUT FCC ID Certification:

No.	Identity	Document Title
1	47 CFR Part 2	Frequency Allocations and Radio Treaty Matters; General Rules and Regulations
2	47 CFR Part 22	Public Mobile Services
3	47 CFR Part 24	Personal Communications Services
4	47 CFR Part 27	Miscellaneous Wireless Communications Services

Test detailed items/section required by FCC rules and results are as below:

Section	Description	Test Date	Test Engineer	Result	Method Determination /Remark
2.1046 22.913(a)(2) 24.232(c) 27.50(c)(10) 27.50(d)(4) 27.50(h)(2)	Transmitter Conducted Output Power and E.R.P./E.I.R.P.	Dec. 01, 2023	Chen Hao Gan Jing	PASS	No deviation
2.1049	Occupied Bandwidth	Nov. 03, 2023	Gan Jing	PASS	No deviation
2.1055 22.355 24.235 27.54	Frequency Stability	Dec. 01, 2023	Gan Jing	PASS	No deviation
24.232(d), 27.50(d)(5)	Peak to Average Ratio	Nov. 06, 2023	Gan Jing	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(g) 27.53(h) 27.53(m)(4)	Conducted Spurious Emissions	Nov. 03, 2023	Gan Jing	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(g)	Band Edge	Nov. 03, 2023	Gan Jing	PASS	No deviation



27.53(h) 27.53(m)(4)					
2.1053 22.917(a) 24.238(a) 27.53(g) 27.53(h) 27.53(m)(4)	Radiated Spurious Emissions	Dec. 01, 2023	Gao Jianrou	PASS	No deviation

Note 1: The tests were performed according to the method of measurements prescribed in KDB971168 D01 v03 and ANSI/TIA-603-E-2016.

Note 2: The path loss during the RF test is calibrated to correct the results by the offset setting in the test equipments. The ref offset 24.5dB contains two parts that cable loss 14.5dB and Attenuator 10dB.

Note 3: Additions to, deviation, or exclusions from the method shall be judged in the "method determination" column of add, deviate or exclude from the specific method shall be explained in the "Remark" of the above table.

Note 4: When the test result is a critical value, we will use the measurement uncertainty give the judgment result based on the 95% confidence intervals.

1.5. Environmental Conditions

During the measurement, the environmental conditions were within the listed ranges:

Temperature (°C):	15-35
Relative Humidity (%):	30-60
Atmospheric Pressure (kPa):	86-106

2.47 CFR Part 2, Part 22H, Part 24E, Part 27 H&L&M&N Requirements

2.1. Transmitter Conducted Output Power and E.R.P./E.I.R.P.

2.1.1. Requirement

According to FCC section 2.1046(a), for transmitters other than single sideband, independent sideband and controlled carrier radiotelephone, power output shall be measured at the RF output terminals when the transmitter is adjusted in accordance with the tune-up procedure to give the values of current and voltage on the circuit elements specified in FCC section 2.1033(c)(8).

According to FCC section 24.232 (c) for LTE Band 2, Mobile and portable stations are limited to 2 watts E.I.R.P. and the equipment must employ a means for limiting power to the minimum necessary for successful communications.

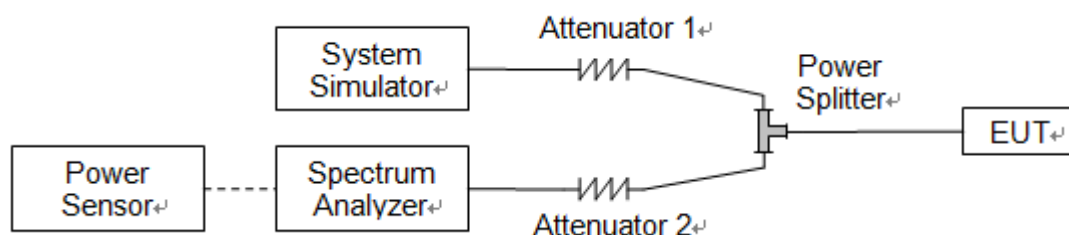
According to FCC section 27.50 (d)(4) for LTE Band 4/66, Fixed, mobile and portable (hand-held) stations in the 1710-1755MHz band are limited to 1wat E.I.R.P.

According to FCC section 22.913 (a)(2) for LTE Band 5, the E.R.P. of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

According to FCC section 27.50 (h)(2) for LTE Band 7/38, Mobile and other user stations. Mobile stations are limited to 2 watts E.I.R.P. All user stations are limited to 2 watts transmitter output power.

According to FCC section 27.50 (c)(10) for LTE Band 12/17/71, Portable stations (hand-held devices) operating in the 704-716MHz band are limited to 3watts E.R.P.

2.1.2. Test Description



The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power. A call is established between the EUT and the SS.



2.1.3. Test Procedure

KDB 971168 D01v03 Section 5.2 and ANSI/TIA-603-E-2016.

E.I.R.P. (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi)

E.R.P. (dBm) = E.I.R.P. (dBm) - 2.15

2.1.4. Result

Conducted Output Power:

LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18700	18900	19100
Frequency (MHz)				1860	1880	1900
20	QPSK	1	0	23.59	23.62	23.58
20	QPSK	1	49	23.37	23.43	23.39
20	QPSK	1	99	23.35	23.41	23.40
20	QPSK	50	0	22.61	22.68	22.58
20	QPSK	50	24	22.58	22.64	22.60
20	QPSK	50	50	22.53	22.60	22.58
20	QPSK	100	0	22.55	22.58	22.53
20	16QAM	1	0	22.79	22.81	22.79
20	16QAM	1	49	22.76	22.78	22.70
20	16QAM	1	99	22.73	22.77	22.76
20	16QAM	50	0	21.45	21.49	21.42
20	16QAM	50	24	21.47	21.48	21.41
20	16QAM	50	50	21.46	21.47	21.40
20	16QAM	100	0	21.39	21.45	21.41



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18675	18900	19125
Frequency (MHz)				1857.5	1880	1902.5
15	QPSK	1	0	23.41	23.47	23.40
15	QPSK	1	37	23.29	23.38	23.34
15	QPSK	1	74	23.34	23.39	23.35
15	QPSK	36	0	22.59	22.64	22.61
15	QPSK	36	20	22.50	22.57	22.59
15	QPSK	36	39	22.51	22.58	22.57
15	QPSK	75	0	22.53	22.50	22.46
15	16QAM	1	0	22.78	22.76	22.72
15	16QAM	1	37	22.69	22.71	22.66
15	16QAM	1	74	22.65	22.69	22.71
15	16QAM	36	0	21.39	21.42	21.41
15	16QAM	36	20	21.42	21.47	21.35
15	16QAM	36	39	21.44	21.41	21.32
15	16QAM	75	0	21.34	21.44	21.36



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18650	18900	19150
Frequency (MHz)				1855	1880	1905
10	QPSK	1	0	23.40	23.51	23.43
10	QPSK	1	25	23.30	23.38	23.33
10	QPSK	1	49	23.28	23.37	23.32
10	QPSK	25	0	22.64	22.61	22.61
10	QPSK	25	12	22.57	22.59	22.56
10	QPSK	25	25	22.51	22.52	22.54
10	QPSK	50	0	22.48	22.57	22.49
10	16QAM	1	0	22.72	22.73	22.75
10	16QAM	1	25	22.73	22.71	22.62
10	16QAM	1	49	22.67	22.71	22.68
10	16QAM	25	0	21.42	21.46	21.36
10	16QAM	25	12	21.43	21.42	21.36
10	16QAM	25	25	21.43	21.46	21.36
10	16QAM	50	0	21.32	21.43	21.37



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18625	18900	19175
Frequency (MHz)				1852.5	1880	1907.5
5	QPSK	1	0	23.38	23.45	23.42
5	QPSK	1	12	23.32	23.42	23.33
5	QPSK	1	24	23.28	23.33	23.37
5	QPSK	12	0	22.60	22.61	22.59
5	QPSK	12	7	22.51	22.56	22.52
5	QPSK	12	13	22.49	22.58	22.54
5	QPSK	25	0	22.53	22.51	22.48
5	16QAM	1	0	22.77	22.73	22.75
5	16QAM	1	12	22.70	22.77	22.67
5	16QAM	1	24	22.65	22.70	22.69
5	16QAM	12	0	21.38	21.45	21.35
5	16QAM	12	7	21.45	21.47	21.36
5	16QAM	12	13	21.42	21.41	21.39
5	16QAM	25	0	21.34	21.44	21.38



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18615	18900	19185
Frequency (MHz)				1851.5	1880	1908.5
3	QPSK	1	0	23.40	23.46	23.41
3	QPSK	1	8	23.33	23.35	23.37
3	QPSK	1	14	23.33	23.38	23.35
3	QPSK	8	0	22.61	22.64	22.62
3	QPSK	8	4	22.51	22.62	22.53
3	QPSK	8	7	22.52	22.56	22.55
3	QPSK	15	0	22.47	22.54	22.46
3	16QAM	1	0	22.78	22.76	22.78
3	16QAM	1	8	22.75	22.76	22.69
3	16QAM	1	14	22.66	22.70	22.68
3	16QAM	8	0	21.44	21.45	21.38
3	16QAM	8	4	21.40	21.45	21.38
3	16QAM	8	7	21.41	21.41	21.39
3	16QAM	15	0	21.34	21.43	21.39



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18607	18900	19193
Frequency (MHz)				1850.7	1880	1909.3
1.4	QPSK	1	0	23.36	23.51	23.43
1.4	QPSK	1	3	23.30	23.37	23.36
1.4	QPSK	1	5	23.27	23.38	23.36
1.4	QPSK	3	0	23.33	23.42	23.39
1.4	QPSK	3	1	23.45	23.48	23.38
1.4	QPSK	3	3	23.39	23.43	23.40
1.4	QPSK	6	0	22.47	22.57	22.49
1.4	16QAM	1	0	22.75	22.74	22.71
1.4	16QAM	1	3	22.75	22.72	22.68
1.4	16QAM	1	5	22.66	22.75	22.75
1.4	16QAM	3	0	22.55	22.60	22.52
1.4	16QAM	3	1	22.53	22.57	22.49
1.4	16QAM	3	3	22.54	22.58	22.47
1.4	16QAM	6	0	21.57	21.54	21.47



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20050	20175	20300
Frequency (MHz)				1720	1732.5	1745
20	QPSK	1	0	20.94	21.03	20.97
20	QPSK	1	49	20.88	20.90	20.83
20	QPSK	1	99	20.80	20.87	20.84
20	QPSK	50	0	19.94	20.06	19.95
20	QPSK	50	24	19.98	19.92	19.90
20	QPSK	50	50	19.95	19.98	19.91
20	QPSK	100	0	19.98	19.99	19.88
20	16QAM	1	0	20.25	20.16	19.99
20	16QAM	1	49	20.13	20.22	20.17
20	16QAM	1	99	20.23	20.00	20.27
20	16QAM	50	0	19.06	19.01	19.05
20	16QAM	50	24	19.15	19.00	18.99
20	16QAM	50	50	19.02	19.05	19.07
20	16QAM	100	0	19.00	19.02	18.98



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20025	20175	20325
Frequency (MHz)				1717.5	1732.5	1747.5
15	QPSK	1	0	20.81	20.86	20.77
15	QPSK	1	37	20.85	20.86	20.80
15	QPSK	1	74	20.71	20.86	20.83
15	QPSK	36	0	19.90	19.96	19.85
15	QPSK	36	20	20.04	19.85	19.86
15	QPSK	36	39	19.94	19.91	19.82
15	QPSK	75	0	19.93	19.91	19.78
15	16QAM	1	0	20.21	20.10	19.93
15	16QAM	1	37	20.20	20.32	20.12
15	16QAM	1	74	20.25	20.40	20.26
15	16QAM	36	0	19.05	18.92	18.99
15	16QAM	36	20	19.11	18.91	18.91
15	16QAM	36	39	18.98	19.03	19.05
15	16QAM	75	0	18.90	18.98	18.97



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20000	20175	20350
Frequency (MHz)				1715	1732.5	1750
10	QPSK	1	0	20.88	20.89	20.82
10	QPSK	1	25	20.81	20.85	20.77
10	QPSK	1	49	20.72	20.86	20.76
10	QPSK	25	0	19.88	20.05	19.90
10	QPSK	25	12	19.96	19.83	19.89
10	QPSK	25	25	19.86	19.96	19.84
10	QPSK	50	0	19.89	19.95	19.82
10	16QAM	1	0	20.19	20.11	19.92
10	16QAM	1	25	20.19	20.36	20.16
10	16QAM	1	49	20.21	20.41	20.22
10	16QAM	25	0	18.98	18.97	19.00
10	16QAM	25	12	19.07	18.93	18.95
10	16QAM	25	25	19.01	18.96	19.03
10	16QAM	50	0	18.99	18.96	18.89



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19975	20175	20375
Frequency (MHz)				1712.5	1732.5	1752.5
5	QPSK	1	0	20.87	20.87	20.78
5	QPSK	1	12	20.78	20.80	20.82
5	QPSK	1	24	20.79	20.85	20.75
5	QPSK	12	0	19.85	20.01	19.89
5	QPSK	12	7	19.99	19.87	19.81
5	QPSK	12	13	19.92	19.92	19.81
5	QPSK	25	0	19.96	19.95	19.80
5	16QAM	1	0	20.15	20.14	19.95
5	16QAM	1	12	20.18	20.34	20.15
5	16QAM	1	24	20.23	20.34	20.19
5	16QAM	12	0	19.04	18.94	19.01
5	16QAM	12	7	19.05	18.95	18.91
5	16QAM	12	13	18.97	18.97	19.03
5	16QAM	25	0	18.91	18.93	18.89



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19965	20175	20385
Frequency (MHz)				1711.5	1732.5	1753.5
3	QPSK	1	0	20.78	20.88	20.74
3	QPSK	1	8	20.82	20.87	20.78
3	QPSK	1	14	20.74	20.77	20.75
3	QPSK	8	0	19.87	19.99	19.91
3	QPSK	8	4	19.95	19.89	19.88
3	QPSK	8	7	19.91	19.90	19.88
3	QPSK	15	0	19.88	19.90	19.82
3	16QAM	1	0	20.15	20.15	19.92
3	16QAM	1	8	20.19	20.33	20.15
3	16QAM	1	14	20.25	20.36	20.24
3	16QAM	8	0	18.99	18.92	18.98
3	16QAM	8	4	19.12	18.92	18.93
3	16QAM	8	7	18.92	18.98	19.04
3	16QAM	15	0	18.91	18.94	18.95



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19957	20175	20393
Frequency (MHz)				1710.7	1732.5	1754.3
1.4	QPSK	1	0	20.78	20.86	20.75
1.4	QPSK	1	3	20.78	20.81	20.74
1.4	QPSK	1	5	20.74	20.85	20.79
1.4	QPSK	3	0	20.88	20.83	20.88
1.4	QPSK	3	1	20.87	20.87	20.85
1.4	QPSK	3	3	20.85	20.89	20.89
1.4	QPSK	6	0	19.89	19.89	19.78
1.4	16QAM	1	0	20.16	20.13	19.90
1.4	16QAM	1	3	20.25	20.33	20.16
1.4	16QAM	1	5	20.20	20.36	20.26
1.4	16QAM	3	0	19.98	19.98	20.01
1.4	16QAM	3	1	20.13	19.92	19.89
1.4	16QAM	3	3	19.95	20.02	19.97
1.4	16QAM	6	0	18.93	18.92	18.89



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20450	20525	20600
Frequency (MHz)				829	836.5	844
10	QPSK	1	0	23.46	23.49	23.41
10	QPSK	1	25	23.29	23.32	23.21
10	QPSK	1	49	23.21	23.28	23.03
10	QPSK	25	0	22.39	22.47	22.33
10	QPSK	25	12	22.46	22.43	22.38
10	QPSK	25	25	22.38	22.34	22.37
10	QPSK	50	0	22.27	22.29	22.26
10	16QAM	1	0	22.36	22.26	22.22
10	16QAM	1	25	22.35	22.53	22.39
10	16QAM	1	49	22.32	22.33	22.25
10	16QAM	25	0	21.31	21.22	21.19
10	16QAM	25	12	21.23	21.19	21.16
10	16QAM	25	25	21.31	21.27	21.22
10	16QAM	50	0	21.35	21.21	21.18



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20425	20525	20625
Frequency (MHz)				826.5	836.5	846.5
5	QPSK	1	0	23.30	23.31	23.23
5	QPSK	1	12	23.26	23.26	23.19
5	QPSK	1	24	23.16	23.23	22.97
5	QPSK	12	0	22.38	22.44	22.20
5	QPSK	12	7	22.42	22.40	22.35
5	QPSK	12	13	22.28	22.30	22.27
5	QPSK	25	0	22.32	22.30	22.35
5	16QAM	1	0	22.46	22.37	22.32
5	16QAM	1	12	22.45	22.65	22.51
5	16QAM	1	24	22.44	22.41	22.37
5	16QAM	12	0	21.37	21.33	21.24
5	16QAM	12	7	21.31	21.30	21.22
5	16QAM	12	13	21.36	21.35	21.29
5	16QAM	25	0	21.45	21.26	21.23



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20415	20525	20635
Frequency (MHz)				825.5	836.5	847.5
3	QPSK	1	0	23.21	23.29	23.25
3	QPSK	1	8	23.28	23.26	23.14
3	QPSK	1	14	23.12	23.21	22.95
3	QPSK	8	0	22.32	22.43	22.21
3	QPSK	8	4	22.42	22.40	22.33
3	QPSK	8	7	22.14	22.19	22.17
3	QPSK	15	0	22.19	22.18	22.22
3	16QAM	1	0	22.33	22.17	22.18
3	16QAM	1	8	22.33	22.51	22.32
3	16QAM	1	14	22.25	22.23	22.23
3	16QAM	8	0	21.28	21.16	21.12
3	16QAM	8	4	21.14	21.16	21.15
3	16QAM	8	7	21.25	21.17	21.14
3	16QAM	15	0	21.31	21.18	21.15



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20407	20525	20643
Frequency (MHz)				824.7	836.5	848.3
1.4	QPSK	1	0	23.31	23.32	23.19
1.4	QPSK	1	3	23.24	23.24	23.13
1.4	QPSK	1	5	23.20	23.25	22.98
1.4	QPSK	3	0	23.20	23.31	23.05
1.4	QPSK	3	1	23.26	23.23	23.16
1.4	QPSK	3	3	23.15	23.19	23.22
1.4	QPSK	6	0	22.26	22.16	22.17
1.4	16QAM	1	0	22.33	22.21	22.14
1.4	16QAM	1	3	22.33	22.51	22.29
1.4	16QAM	1	5	22.31	22.28	22.20
1.4	16QAM	3	0	22.36	22.29	22.31
1.4	16QAM	3	1	22.35	22.30	22.24
1.4	16QAM	3	3	22.36	22.36	22.34
1.4	16QAM	6	0	21.47	21.33	21.30



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20850	21100	21350
Frequency (MHz)				2510	2535	2560
20	QPSK	1	0	18.46	18.54	18.51
20	QPSK	1	49	18.33	18.40	18.45
20	QPSK	1	99	18.44	18.45	18.46
20	QPSK	50	0	17.54	17.67	17.66
20	QPSK	50	24	17.61	17.66	17.65
20	QPSK	50	50	17.64	17.63	17.65
20	QPSK	100	0	17.69	17.70	17.62
20	16QAM	1	0	17.55	17.49	17.54
20	16QAM	1	49	17.62	17.61	17.53
20	16QAM	1	99	17.63	17.68	17.64
20	16QAM	50	0	16.53	16.68	16.74
20	16QAM	50	24	16.57	16.62	16.54
20	16QAM	50	50	16.56	16.67	16.52
20	16QAM	100	0	16.55	16.60	16.65



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20825	21100	21375
Frequency (MHz)				2507.5	2535	2562.5
15	QPSK	1	0	18.35	18.45	18.39
15	QPSK	1	37	18.25	18.32	18.37
15	QPSK	1	74	18.37	18.42	18.44
15	QPSK	36	0	17.51	17.66	17.58
15	QPSK	36	20	17.51	17.64	17.59
15	QPSK	36	39	17.58	17.62	17.63
15	QPSK	75	0	17.61	17.58	17.53
15	16QAM	1	0	17.51	17.48	17.46
15	16QAM	1	37	17.57	17.52	17.52
15	16QAM	1	74	17.60	17.67	17.54
15	16QAM	36	0	16.46	16.66	16.73
15	16QAM	36	20	16.54	16.53	16.49
15	16QAM	36	39	16.52	16.66	16.45
15	16QAM	75	0	16.53	16.59	16.64



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20800	21100	21400
Frequency (MHz)				2505	2535	2565
10	QPSK	1	0	18.29	18.42	18.40
10	QPSK	1	25	18.29	18.38	18.35
10	QPSK	1	49	18.36	18.36	18.39
10	QPSK	25	0	17.46	17.65	17.56
10	QPSK	25	12	17.56	17.62	17.60
10	QPSK	25	25	17.59	17.53	17.64
10	QPSK	50	0	17.68	17.65	17.60
10	16QAM	1	0	17.47	17.45	17.46
10	16QAM	1	25	17.58	17.59	17.43
10	16QAM	1	49	17.57	17.59	17.62
10	16QAM	25	0	16.51	16.59	16.72
10	16QAM	25	12	16.54	16.59	16.44
10	16QAM	25	25	16.53	16.59	16.46
10	16QAM	50	0	16.50	16.59	16.64



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20775	21100	21425
Frequency (MHz)				2502.5	2535	2567.5
5	QPSK	1	0	18.35	18.46	18.33
5	QPSK	1	12	18.30	18.36	18.42
5	QPSK	1	24	18.38	18.41	18.40
5	QPSK	12	0	17.51	17.63	17.59
5	QPSK	12	7	17.60	17.64	17.59
5	QPSK	12	13	17.56	17.59	17.62
5	QPSK	25	0	17.61	17.64	17.54
5	16QAM	1	0	17.54	17.40	17.47
5	16QAM	1	12	17.59	17.56	17.47
5	16QAM	1	24	17.55	17.66	17.60
5	16QAM	12	0	16.51	16.58	16.66
5	16QAM	12	7	16.49	16.58	16.48
5	16QAM	12	13	16.48	16.58	16.45
5	16QAM	25	0	16.46	16.50	16.59



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23060	23095	23130
Frequency (MHz)				704	707.5	711
10	QPSK	1	0	23.50	23.55	23.43
10	QPSK	1	25	23.43	23.46	23.47
10	QPSK	1	49	23.33	23.48	23.50
10	QPSK	25	0	22.66	22.71	22.70
10	QPSK	25	12	22.68	22.59	22.66
10	QPSK	25	25	22.68	22.63	22.60
10	QPSK	50	0	22.62	22.71	22.67
10	16QAM	1	0	22.86	22.83	22.70
10	16QAM	1	25	22.61	22.68	22.68
10	16QAM	1	49	22.66	22.61	22.72
10	16QAM	25	0	21.64	21.66	21.77
10	16QAM	25	12	21.62	21.67	21.64
10	16QAM	25	25	21.74	21.71	21.73
10	16QAM	50	0	21.78	21.72	21.69



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23035	23095	23155
Frequency (MHz)				701.5	707.5	713.5
5	QPSK	1	0	23.30	23.45	23.33
5	QPSK	1	12	23.38	23.45	23.38
5	QPSK	1	24	23.32	23.43	23.44
5	QPSK	12	0	22.63	22.64	22.66
5	QPSK	12	7	22.59	22.54	22.63
5	QPSK	12	13	22.60	22.55	22.59
5	QPSK	25	0	22.61	22.58	22.63
5	16QAM	1	0	22.82	22.78	22.60
5	16QAM	1	12	22.51	22.66	22.66
5	16QAM	1	24	22.61	22.60	22.65
5	16QAM	12	0	21.55	21.64	21.69
5	16QAM	12	7	21.61	21.59	21.56
5	16QAM	12	13	21.66	21.63	21.67
5	16QAM	25	0	21.76	21.62	21.67



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23025	23095	23165
Frequency (MHz)				700.5	707.5	714.5
3	QPSK	1	0	23.35	23.53	23.41
3	QPSK	1	8	23.41	23.41	23.46
3	QPSK	1	14	23.31	23.47	23.40
3	QPSK	8	0	22.65	22.65	22.65
3	QPSK	8	4	22.63	22.49	22.62
3	QPSK	8	7	22.59	22.58	22.53
3	QPSK	15	0	22.56	22.58	22.62
3	16QAM	1	0	22.79	22.78	22.60
3	16QAM	1	8	22.56	22.61	22.66
3	16QAM	1	14	22.56	22.56	22.70
3	16QAM	8	0	21.62	21.60	21.75
3	16QAM	8	4	21.53	21.57	21.56
3	16QAM	8	7	21.71	21.67	21.68
3	16QAM	15	0	21.77	21.67	21.59



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23017	23095	23173
Frequency (MHz)				699.7	707.5	715.3
1.4	QPSK	1	0	23.34	23.54	23.35
1.4	QPSK	1	3	23.41	23.40	23.44
1.4	QPSK	1	5	23.32	23.38	23.43
1.4	QPSK	3	0	23.45	23.49	23.49
1.4	QPSK	3	1	23.50	23.38	23.47
1.4	QPSK	3	3	23.42	23.38	23.36
1.4	QPSK	6	0	22.57	22.57	22.59
1.4	16QAM	1	0	22.81	22.76	22.68
1.4	16QAM	1	3	22.54	22.59	22.61
1.4	16QAM	1	5	22.65	22.51	22.69
1.4	16QAM	3	0	22.55	22.65	22.69
1.4	16QAM	3	1	22.56	22.58	22.55
1.4	16QAM	3	3	22.71	22.66	22.69
1.4	16QAM	6	0	21.72	21.63	21.65



LTE Band 17						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23780	23790	23800
Frequency (MHz)				709	710	711
10	QPSK	1	0	23.41	23.42	23.28
10	QPSK	1	25	23.34	23.37	23.38
10	QPSK	1	49	23.29	23.33	23.36
10	QPSK	25	0	22.45	22.48	22.48
10	QPSK	25	12	22.40	22.38	22.40
10	QPSK	25	25	22.40	22.37	22.43
10	QPSK	50	0	22.46	22.42	22.44
10	16QAM	1	0	22.60	22.69	22.39
10	16QAM	1	25	22.44	22.44	22.46
10	16QAM	1	49	22.50	22.58	22.57
10	16QAM	25	0	21.49	21.52	21.37
10	16QAM	25	12	21.50	21.51	21.55
10	16QAM	25	25	21.59	21.50	21.45
10	16QAM	50	0	21.41	21.48	21.41



LTE Band 17						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23755	23790	23825
Frequency (MHz)				706.5	710	713.5
5	QPSK	1	0	23.35	23.36	23.22
5	QPSK	1	12	23.28	23.31	23.32
5	QPSK	1	24	23.23	23.27	23.30
5	QPSK	12	0	22.39	22.42	22.42
5	QPSK	12	7	22.34	22.32	22.34
5	QPSK	12	13	22.34	22.31	22.37
5	QPSK	25	0	22.40	22.36	22.38
5	16QAM	1	0	22.54	22.63	22.33
5	16QAM	1	12	22.38	22.38	22.40
5	16QAM	1	24	22.44	22.52	22.51
5	16QAM	12	0	21.43	21.46	21.31
5	16QAM	12	7	21.44	21.45	21.49
5	16QAM	12	13	21.53	21.44	21.39
5	16QAM	25	0	21.35	21.42	21.35



LTE Band 38						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				37850	38000	38150
Frequency (MHz)				2580	2595	2610
20	QPSK	1	0	23.42	23.57	23.41
20	QPSK	1	49	23.49	23.32	23.34
20	QPSK	1	99	23.36	23.47	23.37
20	QPSK	50	0	22.69	22.75	22.60
20	QPSK	50	24	22.67	22.61	22.46
20	QPSK	50	50	22.61	22.57	22.40
20	QPSK	100	0	22.67	22.73	22.52
20	16QAM	1	0	22.81	22.75	22.69
20	16QAM	1	49	22.59	22.69	22.62
20	16QAM	1	99	22.51	22.74	22.60
20	16QAM	50	0	21.76	21.62	21.56
20	16QAM	50	24	21.59	21.65	21.53
20	16QAM	50	50	21.47	21.50	21.42
20	16QAM	100	0	21.59	21.65	21.59



LTE Band 38						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				37825	38000	38175
Frequency (MHz)				2577.5	2595	2612.5
15	QPSK	1	0	23.31	23.56	23.35
15	QPSK	1	37	23.39	23.30	23.29
15	QPSK	1	74	23.30	23.37	23.32
15	QPSK	36	0	22.61	22.71	22.53
15	QPSK	36	20	22.59	22.57	22.37
15	QPSK	36	39	22.60	22.54	22.31
15	QPSK	75	0	22.61	22.54	22.42
15	16QAM	1	0	22.69	22.64	22.57
15	16QAM	1	37	22.52	22.67	22.52
15	16QAM	1	74	22.39	22.64	22.57
15	16QAM	36	0	21.68	21.54	21.46
15	16QAM	36	20	21.50	21.59	21.44
15	16QAM	36	39	21.35	21.41	21.35
15	16QAM	75	0	21.53	21.64	21.50



LTE Band 38						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				37800	38000	38200
Frequency (MHz)				2575	2595	2615
10	QPSK	1	0	23.37	23.52	23.35
10	QPSK	1	25	23.39	23.28	23.34
10	QPSK	1	49	23.31	23.37	23.35
10	QPSK	25	0	22.62	22.67	22.55
10	QPSK	25	12	22.58	22.60	22.44
10	QPSK	25	25	22.52	22.55	22.37
10	QPSK	50	0	22.59	22.61	22.43
10	16QAM	1	0	22.70	22.66	22.57
10	16QAM	1	25	22.56	22.59	22.58
10	16QAM	1	49	22.45	22.73	22.56
10	16QAM	25	0	21.72	21.54	21.51
10	16QAM	25	12	21.55	21.60	21.49
10	16QAM	25	25	21.40	21.43	21.41
10	16QAM	50	0	21.53	21.61	21.56



LTE Band 38						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				37775	38000	38225
Frequency (MHz)				2572.5	2595	2617.5
5	QPSK	1	0	23.31	23.54	23.33
5	QPSK	1	12	23.39	23.32	23.31
5	QPSK	1	24	23.29	23.35	23.33
5	QPSK	12	0	22.63	22.68	22.54
5	QPSK	12	7	22.66	22.53	22.39
5	QPSK	12	13	22.52	22.50	22.37
5	QPSK	25	0	22.65	22.55	22.42
5	16QAM	1	0	22.73	22.69	22.68
5	16QAM	1	12	22.50	22.58	22.53
5	16QAM	1	24	22.48	22.62	22.59
5	16QAM	12	0	21.65	21.58	21.44
5	16QAM	12	7	21.53	21.58	21.52
5	16QAM	12	13	21.39	21.43	21.32
5	16QAM	25	0	21.57	21.60	21.57



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132072	132322	132572
Frequency (MHz)				1720	1745	1770
20	QPSK	1	0	21.17	21.19	21.12
20	QPSK	1	49	20.88	21.00	20.85
20	QPSK	1	99	20.96	20.96	20.93
20	QPSK	50	0	20.08	20.13	20.11
20	QPSK	50	24	20.01	20.09	20.08
20	QPSK	50	50	20.12	20.07	20.09
20	QPSK	100	0	20.08	20.13	20.10
20	16QAM	1	0	20.38	20.33	20.35
20	16QAM	1	49	20.25	20.34	20.11
20	16QAM	1	99	20.19	20.26	20.34
20	16QAM	50	0	19.19	19.12	19.11
20	16QAM	50	24	19.31	19.26	19.14
20	16QAM	50	50	19.24	19.23	19.20
20	16QAM	100	0	19.25	19.22	19.12



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132047	132322	132597
Frequency (MHz)				1717.5	1745	1772.5
15	QPSK	1	0	20.78	20.98	20.94
15	QPSK	1	37	20.86	20.93	20.75
15	QPSK	1	74	20.90	20.95	20.89
15	QPSK	36	0	19.86	19.90	19.89
15	QPSK	36	20	19.92	20.05	20.07
15	QPSK	36	39	20.03	20.03	20.04
15	QPSK	75	0	19.88	19.92	20.04
15	16QAM	1	0	20.36	20.26	20.33
15	16QAM	1	37	20.20	20.30	20.07
15	16QAM	1	74	20.14	20.17	20.27
15	16QAM	36	0	19.17	19.07	19.09
15	16QAM	36	20	19.20	19.24	19.13
15	16QAM	36	39	19.18	19.14	19.12
15	16QAM	75	0	19.18	19.14	19.02



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132022	132322	132622
Frequency (MHz)				1715	1745	1775
10	QPSK	1	0	20.83	20.93	20.91
10	QPSK	1	25	20.71	20.92	20.72
10	QPSK	1	49	20.81	20.85	20.79
10	QPSK	25	0	19.81	19.89	19.90
10	QPSK	25	12	19.89	19.97	19.95
10	QPSK	25	25	19.98	19.97	19.98
10	QPSK	50	0	19.89	19.78	20.04
10	16QAM	1	0	20.32	20.22	20.26
10	16QAM	1	25	20.13	20.25	19.98
10	16QAM	1	49	20.10	20.16	20.21
10	16QAM	25	0	19.02	19.04	18.98
10	16QAM	25	12	19.23	19.15	19.04
10	16QAM	25	25	19.08	19.15	19.08
10	16QAM	50	0	19.15	19.08	19.03



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				131997	132322	132647
Frequency (MHz)				1712.5	1745	1777.5
5	QPSK	1	0	20.79	20.96	20.90
5	QPSK	1	12	20.80	20.87	20.74
5	QPSK	1	24	20.86	20.83	20.83
5	QPSK	12	0	19.89	19.92	19.90
5	QPSK	12	7	19.90	20.00	19.94
5	QPSK	12	13	20.01	19.98	19.97
5	QPSK	25	0	19.85	19.84	20.04
5	16QAM	1	0	20.27	20.24	20.27
5	16QAM	1	12	20.08	20.25	20.00
5	16QAM	1	24	20.07	20.18	20.19
5	16QAM	12	0	19.09	18.97	19.00
5	16QAM	12	7	19.20	19.14	18.99
5	16QAM	12	13	19.07	19.16	19.11
5	16QAM	25	0	19.19	19.14	19.02



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				131987	132322	132657
Frequency (MHz)				1711.5	1745	1778.5
3	QPSK	1	0	20.79	20.89	20.86
3	QPSK	1	8	20.71	20.89	20.76
3	QPSK	1	14	20.81	20.82	20.87
3	QPSK	8	0	19.88	19.86	19.89
3	QPSK	8	4	19.92	19.95	19.95
3	QPSK	8	7	19.98	19.98	19.95
3	QPSK	15	0	19.87	19.78	19.95
3	16QAM	1	0	20.28	20.25	20.20
3	16QAM	1	8	20.16	20.21	20.04
3	16QAM	1	14	20.02	20.18	20.28
3	16QAM	8	0	19.04	19.04	18.99
3	16QAM	8	4	19.17	19.14	19.07
3	16QAM	8	7	19.11	19.10	19.14
3	16QAM	15	0	19.10	19.08	19.02



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				131979	132322	132665
Frequency (MHz)				1710.7	1745	1779.3
1.4	QPSK	1	0	20.78	20.94	20.90
1.4	QPSK	1	3	20.81	20.89	20.78
1.4	QPSK	1	5	20.82	20.90	20.78
1.4	QPSK	3	0	20.92	20.90	21.04
1.4	QPSK	3	1	20.95	20.97	20.93
1.4	QPSK	3	3	21.00	20.97	20.94
1.4	QPSK	6	0	19.91	19.78	20.02
1.4	16QAM	1	0	20.25	20.21	20.20
1.4	16QAM	1	3	20.12	20.24	19.97
1.4	16QAM	1	5	20.12	20.19	20.23
1.4	16QAM	3	0	19.89	20.11	19.90
1.4	16QAM	3	1	20.09	20.06	19.92
1.4	16QAM	3	3	19.96	19.99	19.98
1.4	16QAM	6	0	19.13	19.09	19.10



LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133222	133322	133372
Frequency (MHz)				673	683	688
20	QPSK	1	0	23.45	23.47	23.40
20	QPSK	1	49	23.16	23.28	23.13
20	QPSK	1	99	23.24	23.24	23.21
20	QPSK	50	0	22.36	22.41	22.39
20	QPSK	50	24	22.29	22.37	22.36
20	QPSK	50	50	22.40	22.35	22.37
20	QPSK	100	0	22.36	22.41	22.38
20	16QAM	1	0	22.66	22.61	22.63
20	16QAM	1	49	22.53	22.62	22.39
20	16QAM	1	99	22.47	22.54	22.62
20	16QAM	50	0	21.47	21.40	21.39
20	16QAM	50	24	21.59	21.54	21.42
20	16QAM	50	50	21.52	21.51	21.48
20	16QAM	100	0	21.53	21.50	21.40



LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133197	133297	133397
Frequency (MHz)				670.8	680.5	690.5
15	QPSK	1	0	23.06	23.26	23.22
15	QPSK	1	37	23.14	23.21	23.03
15	QPSK	1	74	23.18	23.23	23.17
15	QPSK	36	0	22.14	22.18	22.17
15	QPSK	36	20	22.20	22.33	22.35
15	QPSK	36	39	22.31	22.31	22.32
15	QPSK	75	0	22.16	22.20	22.32
15	16QAM	1	0	22.64	22.54	22.61
15	16QAM	1	37	22.48	22.58	22.35
15	16QAM	1	74	22.42	22.45	22.55
15	16QAM	36	0	21.45	21.35	21.37
15	16QAM	36	20	21.48	21.52	21.41
15	16QAM	36	39	21.46	21.42	21.40
15	16QAM	75	0	21.46	21.42	21.30



LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133172	133272	133422
Frequency (MHz)				668	678	693
10	QPSK	1	0	23.11	23.21	23.19
10	QPSK	1	25	22.99	23.20	23.00
10	QPSK	1	49	23.09	23.13	23.07
10	QPSK	25	0	22.09	22.17	22.18
10	QPSK	25	12	22.17	22.25	22.23
10	QPSK	25	25	22.26	22.25	22.26
10	QPSK	50	0	22.17	22.06	22.32
10	16QAM	1	0	22.60	22.50	22.54
10	16QAM	1	25	22.41	22.53	22.26
10	16QAM	1	49	22.38	22.44	22.49
10	16QAM	25	0	21.30	21.32	21.26
10	16QAM	25	12	21.51	21.43	21.32
10	16QAM	25	25	21.36	21.43	21.36
10	16QAM	50	0	21.43	21.36	21.31



LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133147	133247	133447
Frequency (MHz)				665.5	675.5	695.5
5	QPSK	1	0	23.07	23.24	23.18
5	QPSK	1	12	23.08	23.15	23.02
5	QPSK	1	24	23.14	23.11	23.11
5	QPSK	12	0	22.17	22.20	22.18
5	QPSK	12	7	22.18	22.28	22.22
5	QPSK	12	13	22.29	22.26	22.25
5	QPSK	25	0	22.13	22.12	22.32
5	16QAM	1	0	22.55	22.52	22.55
5	16QAM	1	12	22.36	22.53	22.28
5	16QAM	1	24	22.35	22.46	22.47
5	16QAM	12	0	21.37	21.25	21.28
5	16QAM	12	7	21.48	21.42	21.27
5	16QAM	12	13	21.35	21.44	21.39
5	16QAM	25	0	21.47	21.42	21.30

**Effective Radiated Power and Effective Isotropic Radiated Power**

LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18700		18900		19100	
Frequency (MHz)				1860		1880		1900	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	24.40	0.275	24.43	0.277	24.39	0.275
20	QPSK	1	49	24.18	0.262	24.24	0.265	24.20	0.263
20	QPSK	1	99	24.16	0.261	24.22	0.264	24.21	0.264
20	QPSK	50	0	23.42	0.220	23.49	0.223	23.39	0.218
20	QPSK	50	24	23.39	0.218	23.45	0.221	23.41	0.219
20	QPSK	50	50	23.34	0.216	23.41	0.219	23.39	0.218
20	QPSK	100	0	23.36	0.217	23.39	0.218	23.34	0.216
20	16QAM	1	0	23.60	0.229	23.62	0.230	23.60	0.229
20	16QAM	1	49	23.57	0.228	23.59	0.229	23.51	0.224
20	16QAM	1	99	23.54	0.226	23.58	0.228	23.57	0.228
20	16QAM	50	0	22.26	0.168	22.30	0.170	22.23	0.167
20	16QAM	50	24	22.28	0.169	22.29	0.169	22.22	0.167
20	16QAM	50	50	22.27	0.169	22.28	0.169	22.21	0.166
20	16QAM	100	0	22.20	0.166	22.26	0.168	22.22	0.167



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18675		18900		19125	
Frequency (MHz)				1857.5		1880		1902.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	24.22	0.264	24.28	0.268	24.21	0.264
15	QPSK	1	37	24.10	0.257	24.19	0.262	24.15	0.260
15	QPSK	1	74	24.15	0.260	24.20	0.263	24.16	0.261
15	QPSK	36	0	23.40	0.219	23.45	0.221	23.42	0.220
15	QPSK	36	20	23.31	0.214	23.38	0.218	23.40	0.219
15	QPSK	36	39	23.32	0.215	23.39	0.218	23.38	0.218
15	QPSK	75	0	23.34	0.216	23.31	0.214	23.27	0.212
15	16QAM	1	0	23.59	0.229	23.57	0.228	23.53	0.225
15	16QAM	1	37	23.50	0.224	23.52	0.225	23.47	0.222
15	16QAM	1	74	23.46	0.222	23.50	0.224	23.52	0.225
15	16QAM	36	0	22.20	0.166	22.23	0.167	22.22	0.167
15	16QAM	36	20	22.23	0.167	22.28	0.169	22.16	0.164
15	16QAM	36	39	22.25	0.168	22.22	0.167	22.13	0.163
15	16QAM	75	0	22.15	0.164	22.25	0.168	22.17	0.165



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18650		18900		19150	
Frequency (MHz)				1855		1880		1905	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	24.21	0.264	24.32	0.270	24.24	0.265
10	QPSK	1	25	24.11	0.258	24.19	0.262	24.14	0.259
10	QPSK	1	49	24.09	0.256	24.18	0.262	24.13	0.259
10	QPSK	25	0	23.45	0.221	23.42	0.220	23.42	0.220
10	QPSK	25	12	23.38	0.218	23.40	0.219	23.37	0.217
10	QPSK	25	25	23.32	0.215	23.33	0.215	23.35	0.216
10	QPSK	50	0	23.29	0.213	23.38	0.218	23.30	0.214
10	16QAM	1	0	23.53	0.225	23.54	0.226	23.56	0.227
10	16QAM	1	25	23.54	0.226	23.52	0.225	23.43	0.220
10	16QAM	1	49	23.48	0.223	23.52	0.225	23.49	0.223
10	16QAM	25	0	22.23	0.167	22.27	0.169	22.17	0.165
10	16QAM	25	12	22.24	0.167	22.23	0.167	22.17	0.165
10	16QAM	25	25	22.24	0.167	22.27	0.169	22.17	0.165
10	16QAM	50	0	22.13	0.163	22.24	0.167	22.18	0.165



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18625		18900		19175	
Frequency (MHz)				1852.5		1880		1907.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	24.19	0.262	24.26	0.267	24.23	0.265
5	QPSK	1	12	24.13	0.259	24.23	0.265	24.14	0.259
5	QPSK	1	24	24.09	0.256	24.14	0.259	24.18	0.262
5	QPSK	12	0	23.41	0.219	23.42	0.220	23.40	0.219
5	QPSK	12	7	23.32	0.215	23.37	0.217	23.33	0.215
5	QPSK	12	13	23.30	0.214	23.39	0.218	23.35	0.216
5	QPSK	25	0	23.34	0.216	23.32	0.215	23.29	0.213
5	16QAM	1	0	23.58	0.228	23.54	0.226	23.56	0.227
5	16QAM	1	12	23.51	0.224	23.58	0.228	23.48	0.223
5	16QAM	1	24	23.46	0.222	23.51	0.224	23.50	0.224
5	16QAM	12	0	22.19	0.166	22.26	0.168	22.16	0.164
5	16QAM	12	7	22.26	0.168	22.28	0.169	22.17	0.165
5	16QAM	12	13	22.23	0.167	22.22	0.167	22.20	0.166
5	16QAM	25	0	22.15	0.164	22.25	0.168	22.19	0.166



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18615		18900		19185	
Frequency (MHz)				1851.5		1880		1908.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	24.21	0.264	24.27	0.267	24.22	0.264
3	QPSK	1	8	24.14	0.259	24.16	0.261	24.18	0.262
3	QPSK	1	14	24.14	0.259	24.19	0.262	24.16	0.261
3	QPSK	8	0	23.42	0.220	23.45	0.221	23.43	0.220
3	QPSK	8	4	23.32	0.215	23.43	0.220	23.34	0.216
3	QPSK	8	7	23.33	0.215	23.37	0.217	23.36	0.217
3	QPSK	15	0	23.28	0.213	23.35	0.216	23.27	0.212
3	16QAM	1	0	23.59	0.229	23.57	0.228	23.59	0.229
3	16QAM	1	8	23.56	0.227	23.57	0.228	23.50	0.224
3	16QAM	1	14	23.47	0.222	23.51	0.224	23.49	0.223
3	16QAM	8	0	22.25	0.168	22.26	0.168	22.19	0.166
3	16QAM	8	4	22.21	0.166	22.26	0.168	22.19	0.166
3	16QAM	8	7	22.22	0.167	22.22	0.167	22.20	0.166
3	16QAM	15	0	22.15	0.164	22.24	0.167	22.20	0.166



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18607		18900		19193	
Frequency (MHz)				1850.7		1880		1909.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	24.17	0.261	24.32	0.270	24.24	0.265
1.4	QPSK	1	3	24.11	0.258	24.18	0.262	24.17	0.261
1.4	QPSK	1	5	24.08	0.256	24.19	0.262	24.17	0.261
1.4	QPSK	3	0	24.14	0.259	24.23	0.265	24.20	0.263
1.4	QPSK	3	1	24.26	0.267	24.29	0.269	24.19	0.262
1.4	QPSK	3	3	24.20	0.263	24.24	0.265	24.21	0.264
1.4	QPSK	6	0	23.28	0.213	23.38	0.218	23.30	0.214
1.4	16QAM	1	0	23.56	0.227	23.55	0.226	23.52	0.225
1.4	16QAM	1	3	23.56	0.227	23.53	0.225	23.49	0.223
1.4	16QAM	1	5	23.47	0.222	23.56	0.227	23.56	0.227
1.4	16QAM	3	0	23.36	0.217	23.41	0.219	23.33	0.215
1.4	16QAM	3	1	23.34	0.216	23.38	0.218	23.30	0.214
1.4	16QAM	3	3	23.35	0.216	23.39	0.218	23.28	0.213
1.4	16QAM	6	0	22.38	0.173	22.35	0.172	22.28	0.169



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20050		20175		20300	
Frequency (MHz)				1720		1732.5		1745	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	21.86	0.153	21.95	0.157	21.89	0.155
20	QPSK	1	49	21.80	0.151	21.82	0.152	21.75	0.150
20	QPSK	1	99	21.72	0.149	21.79	0.151	21.76	0.150
20	QPSK	50	0	20.86	0.122	20.98	0.125	20.87	0.122
20	QPSK	50	24	20.90	0.123	20.84	0.121	20.82	0.121
20	QPSK	50	50	20.87	0.122	20.90	0.123	20.83	0.121
20	QPSK	100	0	20.90	0.123	20.91	0.123	20.80	0.120
20	16QAM	1	0	21.17	0.131	21.08	0.128	20.91	0.123
20	16QAM	1	49	21.05	0.127	21.14	0.130	21.09	0.129
20	16QAM	1	99	21.15	0.130	20.92	0.124	21.19	0.132
20	16QAM	50	0	19.98	0.100	19.93	0.098	19.97	0.099
20	16QAM	50	24	20.07	0.102	19.92	0.098	19.91	0.098
20	16QAM	50	50	19.94	0.099	19.97	0.099	19.99	0.100
20	16QAM	100	0	19.92	0.098	19.94	0.099	19.90	0.098



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20025		20175		20325	
Frequency (MHz)				1717.5		1732.5		1747.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	21.73	0.149	21.78	0.151	21.69	0.148
15	QPSK	1	37	21.77	0.150	21.78	0.151	21.72	0.149
15	QPSK	1	74	21.63	0.146	21.78	0.151	21.75	0.150
15	QPSK	36	0	20.82	0.121	20.88	0.122	20.77	0.119
15	QPSK	36	20	20.96	0.125	20.77	0.119	20.78	0.120
15	QPSK	36	39	20.86	0.122	20.83	0.121	20.74	0.119
15	QPSK	75	0	20.85	0.122	20.83	0.121	20.70	0.117
15	16QAM	1	0	21.13	0.130	21.02	0.126	20.85	0.122
15	16QAM	1	37	21.12	0.129	21.24	0.133	21.04	0.127
15	16QAM	1	74	21.17	0.131	21.32	0.136	21.18	0.131
15	16QAM	36	0	19.97	0.099	19.84	0.096	19.91	0.098
15	16QAM	36	20	20.03	0.101	19.83	0.096	19.83	0.096
15	16QAM	36	39	19.90	0.098	19.95	0.099	19.97	0.099
15	16QAM	75	0	19.82	0.096	19.90	0.098	19.89	0.097



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20000		20175		20350	
Frequency (MHz)				1715		1732.5		1750	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	21.80	0.151	21.81	0.152	21.74	0.149
10	QPSK	1	25	21.73	0.149	21.77	0.150	21.69	0.148
10	QPSK	1	49	21.64	0.146	21.78	0.151	21.68	0.147
10	QPSK	25	0	20.80	0.120	20.97	0.125	20.82	0.121
10	QPSK	25	12	20.88	0.122	20.75	0.119	20.81	0.121
10	QPSK	25	25	20.78	0.120	20.88	0.122	20.76	0.119
10	QPSK	50	0	20.81	0.121	20.87	0.122	20.74	0.119
10	16QAM	1	0	21.11	0.129	21.03	0.127	20.84	0.121
10	16QAM	1	25	21.11	0.129	21.28	0.134	21.08	0.128
10	16QAM	1	49	21.13	0.130	21.33	0.136	21.14	0.130
10	16QAM	25	0	19.90	0.098	19.89	0.097	19.92	0.098
10	16QAM	25	12	19.99	0.100	19.85	0.097	19.87	0.097
10	16QAM	25	25	19.93	0.098	19.88	0.097	19.95	0.099
10	16QAM	50	0	19.91	0.098	19.88	0.097	19.81	0.096



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19975		20175		20375	
Frequency (MHz)				1712.5		1732.5		1752.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	21.79	0.151	21.79	0.151	21.70	0.148
5	QPSK	1	12	21.70	0.148	21.72	0.149	21.74	0.149
5	QPSK	1	24	21.71	0.148	21.77	0.150	21.67	0.147
5	QPSK	12	0	20.77	0.119	20.93	0.124	20.81	0.121
5	QPSK	12	7	20.91	0.123	20.79	0.120	20.73	0.118
5	QPSK	12	13	20.84	0.121	20.84	0.121	20.73	0.118
5	QPSK	25	0	20.88	0.122	20.87	0.122	20.72	0.118
5	16QAM	1	0	21.07	0.128	21.06	0.128	20.87	0.122
5	16QAM	1	12	21.10	0.129	21.26	0.134	21.07	0.128
5	16QAM	1	24	21.15	0.130	21.26	0.134	21.11	0.129
5	16QAM	12	0	19.96	0.099	19.86	0.097	19.93	0.098
5	16QAM	12	7	19.97	0.099	19.87	0.097	19.83	0.096
5	16QAM	12	13	19.89	0.097	19.89	0.097	19.95	0.099
5	16QAM	25	0	19.83	0.096	19.85	0.097	19.81	0.096



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19965		20175		20385	
Frequency (MHz)				1711.5		1732.5		1753.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	21.70	0.148	21.80	0.151	21.66	0.147
3	QPSK	1	8	21.74	0.149	21.79	0.151	21.70	0.148
3	QPSK	1	14	21.66	0.147	21.69	0.148	21.67	0.147
3	QPSK	8	0	20.79	0.120	20.91	0.123	20.83	0.121
3	QPSK	8	4	20.87	0.122	20.81	0.121	20.80	0.120
3	QPSK	8	7	20.83	0.121	20.82	0.121	20.80	0.120
3	QPSK	15	0	20.80	0.120	20.82	0.121	20.74	0.119
3	16QAM	1	0	21.07	0.128	21.07	0.128	20.84	0.121
3	16QAM	1	8	21.11	0.129	21.25	0.133	21.07	0.128
3	16QAM	1	14	21.17	0.131	21.28	0.134	21.16	0.131
3	16QAM	8	0	19.91	0.098	19.84	0.096	19.90	0.098
3	16QAM	8	4	20.04	0.101	19.84	0.096	19.85	0.097
3	16QAM	8	7	19.84	0.096	19.90	0.098	19.96	0.099
3	16QAM	15	0	19.83	0.096	19.86	0.097	19.87	0.097



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19957		20175		20393	
Frequency (MHz)				1710.7		1732.5		1754.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	21.70	0.148	21.78	0.151	21.67	0.147
1.4	QPSK	1	3	21.70	0.148	21.73	0.149	21.66	0.147
1.4	QPSK	1	5	21.66	0.147	21.77	0.150	21.71	0.148
1.4	QPSK	3	0	21.80	0.151	21.75	0.150	21.80	0.151
1.4	QPSK	3	1	21.79	0.151	21.79	0.151	21.77	0.150
1.4	QPSK	3	3	21.77	0.150	21.81	0.152	21.81	0.152
1.4	QPSK	6	0	20.81	0.121	20.81	0.121	20.70	0.117
1.4	16QAM	1	0	21.08	0.128	21.05	0.127	20.82	0.121
1.4	16QAM	1	3	21.17	0.131	21.25	0.133	21.08	0.128
1.4	16QAM	1	5	21.12	0.129	21.28	0.134	21.18	0.131
1.4	16QAM	3	0	20.90	0.123	20.90	0.123	20.93	0.124
1.4	16QAM	3	1	21.05	0.127	20.84	0.121	20.81	0.121
1.4	16QAM	3	3	20.87	0.122	20.94	0.124	20.89	0.123
1.4	16QAM	6	0	19.85	0.097	19.84	0.096	19.81	0.096



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20450		20525		20600	
Frequency (MHz)				829		836.5		844	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	20.60	0.115	20.63	0.116	20.55	0.114
10	QPSK	1	25	20.43	0.110	20.46	0.111	20.35	0.108
10	QPSK	1	49	20.35	0.108	20.42	0.110	20.17	0.104
10	QPSK	25	0	19.53	0.090	19.61	0.091	19.47	0.089
10	QPSK	25	12	19.60	0.091	19.57	0.091	19.52	0.090
10	QPSK	25	25	19.52	0.090	19.48	0.089	19.51	0.089
10	QPSK	50	0	19.41	0.087	19.43	0.088	19.40	0.087
10	16QAM	1	0	19.50	0.089	19.40	0.087	19.36	0.086
10	16QAM	1	25	19.49	0.089	19.67	0.093	19.53	0.090
10	16QAM	1	49	19.46	0.088	19.47	0.089	19.39	0.087
10	16QAM	25	0	18.45	0.070	18.36	0.069	18.33	0.068
10	16QAM	25	12	18.37	0.069	18.33	0.068	18.30	0.068
10	16QAM	25	25	18.45	0.070	18.41	0.069	18.36	0.069
10	16QAM	50	0	18.49	0.071	18.35	0.068	18.32	0.068



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20425		20525		20625	
Frequency (MHz)				826.5		836.5		846.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	20.44	0.111	20.45	0.111	20.37	0.109
5	QPSK	1	12	20.40	0.110	20.40	0.110	20.33	0.108
5	QPSK	1	24	20.30	0.107	20.37	0.109	20.11	0.103
5	QPSK	12	0	19.52	0.090	19.58	0.091	19.34	0.086
5	QPSK	12	7	19.56	0.090	19.54	0.090	19.49	0.089
5	QPSK	12	13	19.42	0.087	19.44	0.088	19.41	0.087
5	QPSK	25	0	19.46	0.088	19.44	0.088	19.49	0.089
5	16QAM	1	0	19.60	0.091	19.51	0.089	19.46	0.088
5	16QAM	1	12	19.59	0.091	19.79	0.095	19.65	0.092
5	16QAM	1	24	19.58	0.091	19.55	0.090	19.51	0.089
5	16QAM	12	0	18.51	0.071	18.47	0.070	18.38	0.069
5	16QAM	12	7	18.45	0.070	18.44	0.070	18.36	0.069
5	16QAM	12	13	18.50	0.071	18.49	0.071	18.43	0.070
5	16QAM	25	0	18.59	0.072	18.40	0.069	18.37	0.069



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20415		20525		20635	
Frequency (MHz)				825.5		836.5		847.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	20.35	0.108	20.43	0.110	20.39	0.109
3	QPSK	1	8	20.42	0.110	20.40	0.110	20.28	0.107
3	QPSK	1	14	20.26	0.106	20.35	0.108	20.09	0.102
3	QPSK	8	0	19.46	0.088	19.57	0.091	19.35	0.086
3	QPSK	8	4	19.56	0.090	19.54	0.090	19.47	0.089
3	QPSK	8	7	19.28	0.085	19.33	0.086	19.31	0.085
3	QPSK	15	0	19.33	0.086	19.32	0.086	19.36	0.086
3	16QAM	1	0	19.47	0.089	19.31	0.085	19.32	0.086
3	16QAM	1	8	19.47	0.089	19.65	0.092	19.46	0.088
3	16QAM	1	14	19.39	0.087	19.37	0.086	19.37	0.086
3	16QAM	8	0	18.42	0.070	18.30	0.068	18.26	0.067
3	16QAM	8	4	18.28	0.067	18.30	0.068	18.29	0.067
3	16QAM	8	7	18.39	0.069	18.31	0.068	18.28	0.067
3	16QAM	15	0	18.45	0.070	18.32	0.068	18.29	0.067



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20407		20525		20643	
Frequency (MHz)				824.7		836.5		848.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	20.45	0.111	20.46	0.111	20.33	0.108
1.4	QPSK	1	3	20.38	0.109	20.38	0.109	20.27	0.106
1.4	QPSK	1	5	20.34	0.108	20.39	0.109	20.12	0.103
1.4	QPSK	3	0	20.34	0.108	20.45	0.111	20.19	0.104
1.4	QPSK	3	1	20.40	0.110	20.37	0.109	20.30	0.107
1.4	QPSK	3	3	20.29	0.107	20.33	0.108	20.36	0.109
1.4	QPSK	6	0	19.40	0.087	19.30	0.085	19.31	0.085
1.4	16QAM	1	0	19.47	0.089	19.35	0.086	19.28	0.085
1.4	16QAM	1	3	19.47	0.089	19.65	0.092	19.43	0.088
1.4	16QAM	1	5	19.45	0.088	19.42	0.087	19.34	0.086
1.4	16QAM	3	0	19.50	0.089	19.43	0.088	19.45	0.088
1.4	16QAM	3	1	19.49	0.089	19.44	0.088	19.38	0.087
1.4	16QAM	3	3	19.50	0.089	19.50	0.089	19.48	0.089
1.4	16QAM	6	0	18.61	0.073	18.47	0.070	18.44	0.070



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20850		21100		21350	
Frequency (MHz)				2510		2535		2560	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	19.58	0.091	19.66	0.092	19.63	0.092
20	QPSK	1	49	19.45	0.088	19.52	0.090	19.57	0.091
20	QPSK	1	99	19.56	0.090	19.57	0.091	19.58	0.091
20	QPSK	50	0	18.66	0.073	18.79	0.076	18.78	0.076
20	QPSK	50	24	18.73	0.075	18.78	0.076	18.77	0.075
20	QPSK	50	50	18.76	0.075	18.75	0.075	18.77	0.075
20	QPSK	100	0	18.81	0.076	18.82	0.076	18.74	0.075
20	16QAM	1	0	18.67	0.074	18.61	0.073	18.66	0.073
20	16QAM	1	49	18.74	0.075	18.73	0.075	18.65	0.073
20	16QAM	1	99	18.75	0.075	18.80	0.076	18.76	0.075
20	16QAM	50	0	17.65	0.058	17.80	0.060	17.86	0.061
20	16QAM	50	24	17.69	0.059	17.74	0.059	17.66	0.058
20	16QAM	50	50	17.68	0.059	17.79	0.060	17.64	0.058
20	16QAM	100	0	17.67	0.058	17.72	0.059	17.77	0.060



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20825		21100		21375	
Frequency (MHz)				2507.5		2535		2562.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	19.47	0.089	19.57	0.091	19.51	0.089
15	QPSK	1	37	19.37	0.086	19.44	0.088	19.49	0.089
15	QPSK	1	74	19.49	0.089	19.54	0.090	19.56	0.090
15	QPSK	36	0	18.63	0.073	18.78	0.076	18.70	0.074
15	QPSK	36	20	18.63	0.073	18.76	0.075	18.71	0.074
15	QPSK	36	39	18.70	0.074	18.74	0.075	18.75	0.075
15	QPSK	75	0	18.73	0.075	18.70	0.074	18.65	0.073
15	16QAM	1	0	18.63	0.073	18.60	0.072	18.58	0.072
15	16QAM	1	37	18.69	0.074	18.64	0.073	18.64	0.073
15	16QAM	1	74	18.72	0.074	18.79	0.076	18.66	0.073
15	16QAM	36	0	17.58	0.057	17.78	0.060	17.85	0.061
15	16QAM	36	20	17.66	0.058	17.65	0.058	17.61	0.058
15	16QAM	36	39	17.64	0.058	17.78	0.060	17.57	0.057
15	16QAM	75	0	17.65	0.058	17.71	0.059	17.76	0.060



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20800		21100		21400	
Frequency (MHz)				2505		2535		2565	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	19.41	0.087	19.54	0.090	19.52	0.090
10	QPSK	1	25	19.41	0.087	19.50	0.089	19.47	0.089
10	QPSK	1	49	19.48	0.089	19.48	0.089	19.51	0.089
10	QPSK	25	0	18.58	0.072	18.77	0.075	18.68	0.074
10	QPSK	25	12	18.68	0.074	18.74	0.075	18.72	0.074
10	QPSK	25	25	18.71	0.074	18.65	0.073	18.76	0.075
10	QPSK	50	0	18.80	0.076	18.77	0.075	18.72	0.074
10	16QAM	1	0	18.59	0.072	18.57	0.072	18.58	0.072
10	16QAM	1	25	18.70	0.074	18.71	0.074	18.55	0.072
10	16QAM	1	49	18.69	0.074	18.71	0.074	18.74	0.075
10	16QAM	25	0	17.63	0.058	17.71	0.059	17.84	0.061
10	16QAM	25	12	17.66	0.058	17.71	0.059	17.56	0.057
10	16QAM	25	25	17.65	0.058	17.71	0.059	17.58	0.057
10	16QAM	50	0	17.62	0.058	17.71	0.059	17.76	0.060



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20775		21100		21425	
Frequency (MHz)				2502.5		2535		2567.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	19.47	0.089	19.58	0.091	19.45	0.088
5	QPSK	1	12	19.42	0.087	19.48	0.089	19.54	0.090
5	QPSK	1	24	19.50	0.089	19.53	0.090	19.52	0.090
5	QPSK	12	0	18.63	0.073	18.75	0.075	18.71	0.074
5	QPSK	12	7	18.72	0.074	18.76	0.075	18.71	0.074
5	QPSK	12	13	18.68	0.074	18.71	0.074	18.74	0.075
5	QPSK	25	0	18.73	0.075	18.76	0.075	18.66	0.073
5	16QAM	1	0	18.66	0.073	18.52	0.071	18.59	0.072
5	16QAM	1	12	18.71	0.074	18.68	0.074	18.59	0.072
5	16QAM	1	24	18.67	0.074	18.78	0.076	18.72	0.074
5	16QAM	12	0	17.63	0.058	17.70	0.059	17.78	0.060
5	16QAM	12	7	17.61	0.058	17.70	0.059	17.60	0.058
5	16QAM	12	13	17.60	0.058	17.70	0.059	17.57	0.057
5	16QAM	25	0	17.58	0.057	17.62	0.058	17.71	0.059



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23060		23095		23130	
Frequency (MHz)				704		707.5		711	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	19.93	0.098	19.98	0.100	19.86	0.097
10	QPSK	1	25	19.86	0.097	19.89	0.097	19.90	0.098
10	QPSK	1	49	19.76	0.095	19.91	0.098	19.93	0.098
10	QPSK	25	0	19.09	0.081	19.14	0.082	19.13	0.082
10	QPSK	25	12	19.11	0.081	19.02	0.080	19.09	0.081
10	QPSK	25	25	19.11	0.081	19.06	0.081	19.03	0.080
10	QPSK	50	0	19.05	0.080	19.14	0.082	19.10	0.081
10	16QAM	1	0	19.29	0.085	19.26	0.084	19.13	0.082
10	16QAM	1	25	19.04	0.080	19.11	0.081	19.11	0.081
10	16QAM	1	49	19.09	0.081	19.04	0.080	19.15	0.082
10	16QAM	25	0	18.07	0.064	18.09	0.064	18.20	0.066
10	16QAM	25	12	18.05	0.064	18.10	0.065	18.07	0.064
10	16QAM	25	25	18.17	0.066	18.14	0.065	18.16	0.065
10	16QAM	50	0	18.21	0.066	18.15	0.065	18.12	0.065



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23035		23095		23155	
Frequency (MHz)				701.5		707.5		713.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	19.73	0.094	19.88	0.097	19.76	0.095
5	QPSK	1	12	19.81	0.096	19.88	0.097	19.81	0.096
5	QPSK	1	24	19.75	0.094	19.86	0.097	19.87	0.097
5	QPSK	12	0	19.06	0.081	19.07	0.081	19.09	0.081
5	QPSK	12	7	19.02	0.080	18.97	0.079	19.06	0.081
5	QPSK	12	13	19.03	0.080	18.98	0.079	19.02	0.080
5	QPSK	25	0	19.04	0.080	19.01	0.080	19.06	0.081
5	16QAM	1	0	19.25	0.084	19.21	0.083	19.03	0.080
5	16QAM	1	12	18.94	0.078	19.09	0.081	19.09	0.081
5	16QAM	1	24	19.04	0.080	19.03	0.080	19.08	0.081
5	16QAM	12	0	17.98	0.063	18.07	0.064	18.12	0.065
5	16QAM	12	7	18.04	0.064	18.02	0.063	17.99	0.063
5	16QAM	12	13	18.09	0.064	18.06	0.064	18.10	0.065
5	16QAM	25	0	18.19	0.066	18.05	0.064	18.10	0.065



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23025		23095		23165	
Frequency (MHz)				700.5		707.5		714.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	19.78	0.095	19.96	0.099	19.84	0.096
3	QPSK	1	8	19.84	0.096	19.84	0.096	19.89	0.097
3	QPSK	1	14	19.74	0.094	19.90	0.098	19.83	0.096
3	QPSK	8	0	19.08	0.081	19.08	0.081	19.08	0.081
3	QPSK	8	4	19.06	0.081	18.92	0.078	19.05	0.080
3	QPSK	8	7	19.02	0.080	19.01	0.080	18.96	0.079
3	QPSK	15	0	18.99	0.079	19.01	0.080	19.05	0.080
3	16QAM	1	0	19.22	0.084	19.21	0.083	19.03	0.080
3	16QAM	1	8	18.99	0.079	19.04	0.080	19.09	0.081
3	16QAM	1	14	18.99	0.079	18.99	0.079	19.13	0.082
3	16QAM	8	0	18.05	0.064	18.03	0.064	18.18	0.066
3	16QAM	8	4	17.96	0.063	18.00	0.063	17.99	0.063
3	16QAM	8	7	18.14	0.065	18.10	0.065	18.11	0.065
3	16QAM	15	0	18.20	0.066	18.10	0.065	18.02	0.063



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23017		23095		23173	
Frequency (MHz)				699.7		707.5		715.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	19.77	0.095	19.97	0.099	19.78	0.095
1.4	QPSK	1	3	19.84	0.096	19.83	0.096	19.87	0.097
1.4	QPSK	1	5	19.75	0.094	19.81	0.096	19.86	0.097
1.4	QPSK	3	0	19.88	0.097	19.92	0.098	19.92	0.098
1.4	QPSK	3	1	19.93	0.098	19.81	0.096	19.90	0.098
1.4	QPSK	3	3	19.85	0.097	19.81	0.096	19.79	0.095
1.4	QPSK	6	0	19.00	0.079	19.00	0.079	19.02	0.080
1.4	16QAM	1	0	19.24	0.084	19.19	0.083	19.11	0.081
1.4	16QAM	1	3	18.97	0.079	19.02	0.080	19.04	0.080
1.4	16QAM	1	5	19.08	0.081	18.94	0.078	19.12	0.082
1.4	16QAM	3	0	18.98	0.079	19.08	0.081	19.12	0.082
1.4	16QAM	3	1	18.99	0.079	19.01	0.080	18.98	0.079
1.4	16QAM	3	3	19.14	0.082	19.09	0.081	19.12	0.082
1.4	16QAM	6	0	18.15	0.065	18.06	0.064	18.08	0.064



LTE Band 17				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23780		23790		23800	
Frequency (MHz)				709		710		711	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	19.84	0.096	19.85	0.097	19.71	0.094
10	QPSK	1	25	19.77	0.095	19.80	0.095	19.81	0.096
10	QPSK	1	49	19.72	0.094	19.76	0.095	19.79	0.095
10	QPSK	25	0	18.88	0.077	18.91	0.078	18.91	0.078
10	QPSK	25	12	18.83	0.076	18.81	0.076	18.83	0.076
10	QPSK	25	25	18.83	0.076	18.80	0.076	18.86	0.077
10	QPSK	50	0	18.89	0.077	18.85	0.077	18.87	0.077
10	16QAM	1	0	19.03	0.080	19.12	0.082	18.82	0.076
10	16QAM	1	25	18.87	0.077	18.87	0.077	18.89	0.077
10	16QAM	1	49	18.93	0.078	19.01	0.080	19.00	0.079
10	16QAM	25	0	17.92	0.062	17.95	0.062	17.80	0.060
10	16QAM	25	12	17.93	0.062	17.94	0.062	17.98	0.063
10	16QAM	25	25	18.02	0.063	17.93	0.062	17.88	0.061
10	16QAM	50	0	17.84	0.061	17.91	0.062	17.84	0.061



LTE Band 17				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23755		23790		23825	
Frequency (MHz)				706.5		710		713.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	19.78	0.095	19.79	0.095	19.65	0.092
5	QPSK	1	12	19.71	0.094	19.74	0.094	19.75	0.094
5	QPSK	1	24	19.66	0.092	19.70	0.093	19.73	0.094
5	QPSK	12	0	18.82	0.076	18.85	0.077	18.85	0.077
5	QPSK	12	7	18.77	0.075	18.75	0.075	18.77	0.075
5	QPSK	12	13	18.77	0.075	18.74	0.075	18.80	0.076
5	QPSK	25	0	18.83	0.076	18.79	0.076	18.81	0.076
5	16QAM	1	0	18.97	0.079	19.06	0.081	18.76	0.075
5	16QAM	1	12	18.81	0.076	18.81	0.076	18.83	0.076
5	16QAM	1	24	18.87	0.077	18.95	0.079	18.94	0.078
5	16QAM	12	0	17.86	0.061	17.89	0.062	17.74	0.059
5	16QAM	12	7	17.87	0.061	17.88	0.061	17.92	0.062
5	16QAM	12	13	17.96	0.063	17.87	0.061	17.82	0.061
5	16QAM	25	0	17.78	0.060	17.85	0.061	17.78	0.060



LTE Band 38				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				37850		38000		38150	
Frequency (MHz)				2580		2595		2610	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	24.54	0.284	24.69	0.294	24.53	0.284
20	QPSK	1	49	24.61	0.289	24.44	0.278	24.46	0.279
20	QPSK	1	99	24.48	0.281	24.59	0.288	24.49	0.281
20	QPSK	50	0	23.81	0.240	23.87	0.244	23.72	0.236
20	QPSK	50	24	23.79	0.239	23.73	0.236	23.58	0.228
20	QPSK	50	50	23.73	0.236	23.69	0.234	23.52	0.225
20	QPSK	100	0	23.79	0.239	23.85	0.243	23.64	0.231
20	16QAM	1	0	23.93	0.247	23.87	0.244	23.81	0.240
20	16QAM	1	49	23.71	0.235	23.81	0.240	23.74	0.237
20	16QAM	1	99	23.63	0.231	23.86	0.243	23.72	0.236
20	16QAM	50	0	22.88	0.194	22.74	0.188	22.68	0.185
20	16QAM	50	24	22.71	0.187	22.77	0.189	22.65	0.184
20	16QAM	50	50	22.59	0.182	22.62	0.183	22.54	0.179
20	16QAM	100	0	22.71	0.187	22.77	0.189	22.71	0.187



LTE Band 38				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				37825		38000		38175	
Frequency (MHz)				2577.5		2595		2612.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	24.43	0.277	24.68	0.294	24.47	0.280
15	QPSK	1	37	24.51	0.282	24.42	0.277	24.41	0.276
15	QPSK	1	74	24.42	0.277	24.49	0.281	24.44	0.278
15	QPSK	36	0	23.73	0.236	23.83	0.242	23.65	0.232
15	QPSK	36	20	23.71	0.235	23.69	0.234	23.49	0.223
15	QPSK	36	39	23.72	0.236	23.66	0.232	23.43	0.220
15	QPSK	75	0	23.73	0.236	23.66	0.232	23.54	0.226
15	16QAM	1	0	23.81	0.240	23.76	0.238	23.69	0.234
15	16QAM	1	37	23.64	0.231	23.79	0.239	23.64	0.231
15	16QAM	1	74	23.51	0.224	23.76	0.238	23.69	0.234
15	16QAM	36	0	22.80	0.191	22.66	0.185	22.58	0.181
15	16QAM	36	20	22.62	0.183	22.71	0.187	22.56	0.180
15	16QAM	36	39	22.47	0.177	22.53	0.179	22.47	0.177
15	16QAM	75	0	22.65	0.184	22.76	0.189	22.62	0.183



LTE Band 38				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				37800		38000		38200	
Frequency (MHz)				2575		2595		2615	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	24.49	0.281	24.64	0.291	24.47	0.280
10	QPSK	1	25	24.51	0.282	24.40	0.275	24.46	0.279
10	QPSK	1	49	24.43	0.277	24.49	0.281	24.47	0.280
10	QPSK	25	0	23.74	0.237	23.79	0.239	23.67	0.233
10	QPSK	25	12	23.70	0.234	23.72	0.236	23.56	0.227
10	QPSK	25	25	23.64	0.231	23.67	0.233	23.49	0.223
10	QPSK	50	0	23.71	0.235	23.73	0.236	23.55	0.226
10	16QAM	1	0	23.82	0.241	23.78	0.239	23.69	0.234
10	16QAM	1	25	23.68	0.233	23.71	0.235	23.70	0.234
10	16QAM	1	49	23.57	0.228	23.85	0.243	23.68	0.233
10	16QAM	25	0	22.84	0.192	22.66	0.185	22.63	0.183
10	16QAM	25	12	22.67	0.185	22.72	0.187	22.61	0.182
10	16QAM	25	25	22.52	0.179	22.55	0.180	22.53	0.179
10	16QAM	50	0	22.65	0.184	22.73	0.187	22.68	0.185



LTE Band 38				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				37775		38000		38225	
Frequency (MHz)				2572.5		2595		2617.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	24.43	0.277	24.66	0.292	24.45	0.279
5	QPSK	1	12	24.51	0.282	24.44	0.278	24.43	0.277
5	QPSK	1	24	24.41	0.276	24.47	0.280	24.45	0.279
5	QPSK	12	0	23.75	0.237	23.80	0.240	23.66	0.232
5	QPSK	12	7	23.78	0.239	23.65	0.232	23.51	0.224
5	QPSK	12	13	23.64	0.231	23.62	0.230	23.49	0.223
5	QPSK	25	0	23.77	0.238	23.67	0.233	23.54	0.226
5	16QAM	1	0	23.85	0.243	23.81	0.240	23.80	0.240
5	16QAM	1	12	23.62	0.230	23.70	0.234	23.65	0.232
5	16QAM	1	24	23.60	0.229	23.74	0.237	23.71	0.235
5	16QAM	12	0	22.77	0.189	22.70	0.186	22.56	0.180
5	16QAM	12	7	22.65	0.184	22.70	0.186	22.64	0.184
5	16QAM	12	13	22.51	0.178	22.55	0.180	22.44	0.175
5	16QAM	25	0	22.69	0.186	22.72	0.187	22.69	0.186



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132072		132322		132572	
Frequency (MHz)				1720		1745		1770	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	22.09	0.162	22.11	0.163	22.04	0.160
20	QPSK	1	49	21.80	0.151	21.92	0.156	21.77	0.150
20	QPSK	1	99	21.88	0.154	21.88	0.154	21.85	0.153
20	QPSK	50	0	21.00	0.126	21.05	0.127	21.03	0.127
20	QPSK	50	24	20.93	0.124	21.01	0.126	21.00	0.126
20	QPSK	50	50	21.04	0.127	20.99	0.126	21.01	0.126
20	QPSK	100	0	21.00	0.126	21.05	0.127	21.02	0.126
20	16QAM	1	0	21.30	0.135	21.25	0.133	21.27	0.134
20	16QAM	1	49	21.17	0.131	21.26	0.134	21.03	0.127
20	16QAM	1	99	21.11	0.129	21.18	0.131	21.26	0.134
20	16QAM	50	0	20.11	0.103	20.04	0.101	20.03	0.101
20	16QAM	50	24	20.23	0.105	20.18	0.104	20.06	0.101
20	16QAM	50	50	20.16	0.104	20.15	0.104	20.12	0.103
20	16QAM	100	0	20.17	0.104	20.14	0.103	20.04	0.101



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132047		132322		132597	
Frequency (MHz)				1717.5		1745		1772.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	21.70	0.148	21.90	0.155	21.86	0.153
15	QPSK	1	37	21.78	0.151	21.85	0.153	21.67	0.147
15	QPSK	1	74	21.82	0.152	21.87	0.154	21.81	0.152
15	QPSK	36	0	20.78	0.120	20.82	0.121	20.81	0.121
15	QPSK	36	20	20.84	0.121	20.97	0.125	20.99	0.126
15	QPSK	36	39	20.95	0.124	20.95	0.124	20.96	0.125
15	QPSK	75	0	20.80	0.120	20.84	0.121	20.96	0.125
15	16QAM	1	0	21.28	0.134	21.18	0.131	21.25	0.133
15	16QAM	1	37	21.12	0.129	21.22	0.132	20.99	0.126
15	16QAM	1	74	21.06	0.128	21.09	0.129	21.19	0.132
15	16QAM	36	0	20.09	0.102	19.99	0.100	20.01	0.100
15	16QAM	36	20	20.12	0.103	20.16	0.104	20.05	0.101
15	16QAM	36	39	20.10	0.102	20.06	0.101	20.04	0.101
15	16QAM	75	0	20.10	0.102	20.06	0.101	19.94	0.099



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132022		132322		132622	
Frequency (MHz)				1715		1745		1775	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	21.75	0.150	21.85	0.153	21.83	0.152
10	QPSK	1	25	21.63	0.146	21.84	0.153	21.64	0.146
10	QPSK	1	49	21.73	0.149	21.77	0.150	21.71	0.148
10	QPSK	25	0	20.73	0.118	20.81	0.121	20.82	0.121
10	QPSK	25	12	20.81	0.121	20.89	0.123	20.87	0.122
10	QPSK	25	25	20.90	0.123	20.89	0.123	20.90	0.123
10	QPSK	50	0	20.81	0.121	20.70	0.117	20.96	0.125
10	16QAM	1	0	21.24	0.133	21.14	0.130	21.18	0.131
10	16QAM	1	25	21.05	0.127	21.17	0.131	20.90	0.123
10	16QAM	1	49	21.02	0.126	21.08	0.128	21.13	0.130
10	16QAM	25	0	19.94	0.099	19.96	0.099	19.90	0.098
10	16QAM	25	12	20.15	0.104	20.07	0.102	19.96	0.099
10	16QAM	25	25	20.00	0.100	20.07	0.102	20.00	0.100
10	16QAM	50	0	20.07	0.102	20.00	0.100	19.95	0.099



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131997		132322		132647	
Frequency (MHz)				1712.5		1745		1777.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	21.71	0.148	21.88	0.154	21.82	0.152
5	QPSK	1	12	21.72	0.149	21.79	0.151	21.66	0.147
5	QPSK	1	24	21.78	0.151	21.75	0.150	21.75	0.150
5	QPSK	12	0	20.81	0.121	20.84	0.121	20.82	0.121
5	QPSK	12	7	20.82	0.121	20.92	0.124	20.86	0.122
5	QPSK	12	13	20.93	0.124	20.90	0.123	20.89	0.123
5	QPSK	25	0	20.77	0.119	20.76	0.119	20.96	0.125
5	16QAM	1	0	21.19	0.132	21.16	0.131	21.19	0.132
5	16QAM	1	12	21.00	0.126	21.17	0.131	20.92	0.124
5	16QAM	1	24	20.99	0.126	21.10	0.129	21.11	0.129
5	16QAM	12	0	20.01	0.100	19.89	0.097	19.92	0.098
5	16QAM	12	7	20.12	0.103	20.06	0.101	19.91	0.098
5	16QAM	12	13	19.99	0.100	20.08	0.102	20.03	0.101
5	16QAM	25	0	20.11	0.103	20.06	0.101	19.94	0.099



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131987		132322		132657	
Frequency (MHz)				1711.5		1745		1778.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	21.71	0.148	21.81	0.152	21.78	0.151
3	QPSK	1	8	21.63	0.146	21.81	0.152	21.68	0.147
3	QPSK	1	14	21.73	0.149	21.74	0.149	21.79	0.151
3	QPSK	8	0	20.80	0.120	20.78	0.120	20.81	0.121
3	QPSK	8	4	20.84	0.121	20.87	0.122	20.87	0.122
3	QPSK	8	7	20.90	0.123	20.90	0.123	20.87	0.122
3	QPSK	15	0	20.79	0.120	20.70	0.117	20.87	0.122
3	16QAM	1	0	21.20	0.132	21.17	0.131	21.12	0.129
3	16QAM	1	8	21.08	0.128	21.13	0.130	20.96	0.125
3	16QAM	1	14	20.94	0.124	21.10	0.129	21.20	0.132
3	16QAM	8	0	19.96	0.099	19.96	0.099	19.91	0.098
3	16QAM	8	4	20.09	0.102	20.06	0.101	19.99	0.100
3	16QAM	8	7	20.03	0.101	20.02	0.100	20.06	0.101
3	16QAM	15	0	20.02	0.100	20.00	0.100	19.94	0.099



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131979		132322		132665	
Frequency (MHz)				1710.7		1745		1779.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	21.70	0.148	21.86	0.153	21.82	0.152
1.4	QPSK	1	3	21.73	0.149	21.81	0.152	21.70	0.148
1.4	QPSK	1	5	21.74	0.149	21.82	0.152	21.70	0.148
1.4	QPSK	3	0	21.84	0.153	21.82	0.152	21.96	0.157
1.4	QPSK	3	1	21.87	0.154	21.89	0.155	21.85	0.153
1.4	QPSK	3	3	21.92	0.156	21.89	0.155	21.86	0.153
1.4	QPSK	6	0	20.83	0.121	20.70	0.117	20.94	0.124
1.4	16QAM	1	0	21.17	0.131	21.13	0.130	21.12	0.129
1.4	16QAM	1	3	21.04	0.127	21.16	0.131	20.89	0.123
1.4	16QAM	1	5	21.04	0.127	21.11	0.129	21.15	0.130
1.4	16QAM	3	0	20.81	0.121	21.03	0.127	20.82	0.121
1.4	16QAM	3	1	21.01	0.126	20.98	0.125	20.84	0.121
1.4	16QAM	3	3	20.88	0.122	20.91	0.123	20.90	0.123
1.4	16QAM	6	0	20.05	0.101	20.01	0.100	20.02	0.100



LTE Band 71				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133222		133322		133372	
Frequency (MHz)				673		683		688	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	17.00	0.050	17.02	0.050	16.95	0.050
20	QPSK	1	49	16.71	0.047	16.83	0.048	16.68	0.047
20	QPSK	1	99	16.79	0.048	16.79	0.048	16.76	0.047
20	QPSK	50	0	15.91	0.039	15.96	0.039	15.94	0.039
20	QPSK	50	24	15.84	0.038	15.92	0.039	15.91	0.039
20	QPSK	50	50	15.95	0.039	15.90	0.039	15.92	0.039
20	QPSK	100	0	15.91	0.039	15.96	0.039	15.93	0.039
20	16QAM	1	0	16.21	0.042	16.16	0.041	16.18	0.041
20	16QAM	1	49	16.08	0.041	16.17	0.041	15.94	0.039
20	16QAM	1	99	16.02	0.040	16.09	0.041	16.17	0.041
20	16QAM	50	0	15.02	0.032	14.95	0.031	14.94	0.031
20	16QAM	50	24	15.14	0.033	15.09	0.032	14.97	0.031
20	16QAM	50	50	15.07	0.032	15.06	0.032	15.03	0.032
20	16QAM	100	0	15.08	0.032	15.05	0.032	14.95	0.031



LTE Band 71				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133197		133297		133397	
Frequency (MHz)				670.8		680.5		690.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	16.61	0.046	16.81	0.048	16.77	0.048
15	QPSK	1	37	16.69	0.047	16.76	0.047	16.58	0.045
15	QPSK	1	74	16.73	0.047	16.78	0.048	16.72	0.047
15	QPSK	36	0	15.69	0.037	15.73	0.037	15.72	0.037
15	QPSK	36	20	15.75	0.038	15.88	0.039	15.90	0.039
15	QPSK	36	39	15.86	0.039	15.86	0.039	15.87	0.039
15	QPSK	75	0	15.71	0.037	15.75	0.038	15.87	0.039
15	16QAM	1	0	16.19	0.042	16.09	0.041	16.16	0.041
15	16QAM	1	37	16.03	0.040	16.13	0.041	15.90	0.039
15	16QAM	1	74	15.97	0.040	16.00	0.040	16.10	0.041
15	16QAM	36	0	15.00	0.032	14.90	0.031	14.92	0.031
15	16QAM	36	20	15.03	0.032	15.07	0.032	14.96	0.031
15	16QAM	36	39	15.01	0.032	14.97	0.031	14.95	0.031
15	16QAM	75	0	15.01	0.032	14.97	0.031	14.85	0.031



LTE Band 71				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133172		133272		133422	
Frequency (MHz)				668		678		693	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	16.66	0.046	16.76	0.047	16.74	0.047
10	QPSK	1	25	16.54	0.045	16.75	0.047	16.55	0.045
10	QPSK	1	49	16.64	0.046	16.68	0.047	16.62	0.046
10	QPSK	25	0	15.64	0.037	15.72	0.037	15.73	0.037
10	QPSK	25	12	15.72	0.037	15.80	0.038	15.78	0.038
10	QPSK	25	25	15.81	0.038	15.80	0.038	15.81	0.038
10	QPSK	50	0	15.72	0.037	15.61	0.036	15.87	0.039
10	16QAM	1	0	16.15	0.041	16.05	0.040	16.09	0.041
10	16QAM	1	25	15.96	0.039	16.08	0.041	15.81	0.038
10	16QAM	1	49	15.93	0.039	15.99	0.040	16.04	0.040
10	16QAM	25	0	14.85	0.031	14.87	0.031	14.81	0.030
10	16QAM	25	12	15.06	0.032	14.98	0.031	14.87	0.031
10	16QAM	25	25	14.91	0.031	14.98	0.031	14.91	0.031
10	16QAM	50	0	14.98	0.031	14.91	0.031	14.86	0.031



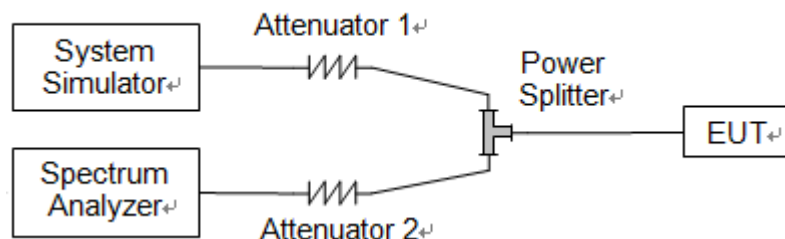
LTE Band 71				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133147		133247		133447	
Frequency (MHz)				665.5		675.5		695.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	16.62	0.046	16.79	0.048	16.73	0.047
5	QPSK	1	12	16.63	0.046	16.70	0.047	16.57	0.045
5	QPSK	1	24	16.69	0.047	16.66	0.046	16.66	0.046
5	QPSK	12	0	15.72	0.037	15.75	0.038	15.73	0.037
5	QPSK	12	7	15.73	0.037	15.83	0.038	15.77	0.038
5	QPSK	12	13	15.84	0.038	15.81	0.038	15.80	0.038
5	QPSK	25	0	15.68	0.037	15.67	0.037	15.87	0.039
5	16QAM	1	0	16.10	0.041	16.07	0.040	16.10	0.041
5	16QAM	1	12	15.91	0.039	16.08	0.041	15.83	0.038
5	16QAM	1	24	15.90	0.039	16.01	0.040	16.02	0.040
5	16QAM	12	0	14.92	0.031	14.80	0.030	14.83	0.030
5	16QAM	12	7	15.03	0.032	14.97	0.031	14.82	0.030
5	16QAM	12	13	14.90	0.031	14.99	0.032	14.94	0.031
5	16QAM	25	0	15.02	0.032	14.97	0.031	14.85	0.031

2.2. Occupied Bandwidth

2.2.1. Requirement

According to FCC section 2.1049, the occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission. Occupied bandwidth is also known as the 99% emission bandwidth.

2.2.2. Test Description



The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power. A call is established between the EUT and the SS.

2.2.3. Test Procedure

KDB 971168 D01v03 Section 4.1 and ANSI/TIA-603-E-2016.

2.2.4. Test Result



LTE Band 2				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.24
	Low	16QAM	1.10	1.25
	Mid	QPSK	1.10	1.25
	Mid	16QAM	1.10	1.25
	High	QPSK	1.10	1.24
	High	16QAM	1.10	1.25
3	Low	QPSK	2.72	3.04
	Low	16QAM	2.71	3.06
	Mid	QPSK	2.72	3.06
	Mid	16QAM	2.71	3.05
	High	QPSK	2.71	3.06
	High	16QAM	2.71	3.05
5	Low	QPSK	4.50	4.99
	Low	16QAM	4.51	4.99
	Mid	QPSK	4.50	4.98
	Mid	16QAM	4.50	4.95
	High	QPSK	4.49	4.95
	High	16QAM	4.50	4.99
10	Low	QPSK	8.98	9.91
	Low	16QAM	8.97	9.75
	Mid	QPSK	9.00	9.85
	Mid	16QAM	8.99	9.85
	High	QPSK	9.01	9.96
	High	16QAM	8.96	9.86
15	Low	QPSK	13.48	14.91
	Low	16QAM	13.51	14.98
	Mid	QPSK	13.48	14.95
	Mid	16QAM	13.49	15.01
	High	QPSK	13.48	14.86
	High	16QAM	13.47	15.00
20	Low	QPSK	17.98	19.71
	Low	16QAM	18.04	19.91
	Mid	QPSK	18.02	19.80
	Mid	16QAM	18.07	19.89
	High	QPSK	18.01	19.69
	High	16QAM	17.99	19.78



LTE Band 4				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.24
	Low	16QAM	1.10	1.25
	Mid	QPSK	1.10	1.25
	Mid	16QAM	1.10	1.26
	High	QPSK	1.10	1.24
	High	16QAM	1.10	1.25
3	Low	QPSK	2.72	3.04
	Low	16QAM	2.71	3.04
	Mid	QPSK	2.72	3.07
	Mid	16QAM	2.72	3.04
	High	QPSK	2.71	3.05
	High	16QAM	2.71	3.06
5	Low	QPSK	4.49	4.98
	Low	16QAM	4.50	4.98
	Mid	QPSK	4.50	4.98
	Mid	16QAM	4.50	4.97
	High	QPSK	4.50	4.99
	High	16QAM	4.50	4.98
10	Low	QPSK	9.00	9.90
	Low	16QAM	8.96	9.78
	Mid	QPSK	9.01	9.84
	Mid	16QAM	8.98	9.88
	High	QPSK	8.99	9.87
	High	16QAM	8.97	9.83
15	Low	QPSK	13.45	14.78
	Low	16QAM	13.47	14.93
	Mid	QPSK	13.52	14.91
	Mid	16QAM	13.49	14.99
	High	QPSK	13.49	14.91
	High	16QAM	13.46	14.95
20	Low	QPSK	17.96	19.75
	Low	16QAM	17.96	19.69
	Mid	QPSK	18.03	19.81
	Mid	16QAM	18.05	19.83
	High	QPSK	17.99	19.87
	High	16QAM	18.02	19.73



LTE Band 5				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.25
	Low	16QAM	1.10	1.25
	Mid	QPSK	1.09	1.25
	Mid	16QAM	1.10	1.25
	High	QPSK	1.10	1.24
	High	16QAM	1.10	1.25
3	Low	QPSK	2.71	3.05
	Low	16QAM	2.71	3.05
	Mid	QPSK	2.71	3.04
	Mid	16QAM	2.71	3.04
	High	QPSK	2.71	3.05
	High	16QAM	2.71	3.04
5	Low	QPSK	4.50	4.96
	Low	16QAM	4.50	5.00
	Mid	QPSK	4.50	4.97
	Mid	16QAM	4.51	4.96
	High	QPSK	4.49	4.97
	High	16QAM	4.49	5.00
10	Low	QPSK	9.00	9.89
	Low	16QAM	8.96	9.85
	Mid	QPSK	9.03	9.83
	Mid	16QAM	8.97	9.83
	High	QPSK	9.02	9.92
	High	16QAM	8.96	9.85



LTE Band 7				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.50	4.96
	Low	16QAM	4.50	4.97
	Mid	QPSK	4.49	4.97
	Mid	16QAM	4.50	5.00
	High	QPSK	4.50	4.98
	High	16QAM	4.51	4.95
10	Low	QPSK	9.01	9.90
	Low	16QAM	8.97	9.83
	Mid	QPSK	9.02	9.82
	Mid	16QAM	8.97	9.83
	High	QPSK	9.01	9.86
	High	16QAM	8.97	9.80
15	Low	QPSK	13.48	14.92
	Low	16QAM	13.48	15.07
	Mid	QPSK	13.51	14.93
	Mid	16QAM	13.47	14.89
	High	QPSK	13.50	14.93
	High	16QAM	13.49	14.89
20	Low	QPSK	18.02	19.76
	Low	16QAM	18.02	19.81
	Mid	QPSK	17.99	19.82
	Mid	16QAM	18.02	19.79
	High	QPSK	18.01	19.73
	High	16QAM	18.05	19.78



LTE Band 12				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.23
	Low	16QAM	1.10	1.25
	Mid	QPSK	1.10	1.25
	Mid	16QAM	1.10	1.25
	High	QPSK	1.10	1.24
	High	16QAM	1.10	1.25
3	Low	QPSK	2.71	3.04
	Low	16QAM	2.71	3.06
	Mid	QPSK	2.72	3.05
	Mid	16QAM	2.71	3.06
	High	QPSK	2.71	3.05
	High	16QAM	2.71	3.06
5	Low	QPSK	4.50	4.97
	Low	16QAM	4.50	4.96
	Mid	QPSK	4.50	4.96
	Mid	16QAM	4.51	4.98
	High	QPSK	4.50	4.98
	High	16QAM	4.49	4.99
10	Low	QPSK	9.03	9.83
	Low	16QAM	8.96	9.83
	Mid	QPSK	9.02	9.92
	Mid	16QAM	9.00	9.87
	High	QPSK	8.99	9.93
	High	16QAM	8.95	9.81



LTE Band 17				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.50	4.97
	Low	16QAM	4.49	5.02
	Mid	QPSK	4.49	4.96
	Mid	16QAM	4.49	5.00
	High	QPSK	4.50	4.96
	High	16QAM	4.50	5.01
10	Low	QPSK	9.00	9.91
	Low	16QAM	8.96	9.74
	Mid	QPSK	8.98	9.86
	Mid	16QAM	8.96	9.79
	High	QPSK	8.98	9.82
	High	16QAM	8.96	9.84



LTE Band 38				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.50	4.99
	Low	16QAM	4.50	5.10
	Mid	QPSK	4.51	5.08
	Mid	16QAM	4.50	5.13
	High	QPSK	4.50	5.10
	High	16QAM	4.51	5.12
10	Low	QPSK	8.99	9.90
	Low	16QAM	8.99	9.82
	Mid	QPSK	9.00	9.83
	Mid	16QAM	8.97	9.83
	High	QPSK	8.99	9.86
	High	16QAM	8.97	9.81
15	Low	QPSK	13.47	14.82
	Low	16QAM	13.49	15.03
	Mid	QPSK	13.47	14.82
	Mid	16QAM	13.49	14.91
	High	QPSK	13.49	14.93
	High	16QAM	13.46	14.72
20	Low	QPSK	18.01	19.75
	Low	16QAM	17.96	19.76
	Mid	QPSK	17.99	19.78
	Mid	16QAM	17.99	19.93
	High	QPSK	18.03	19.62
	High	16QAM	17.94	19.73

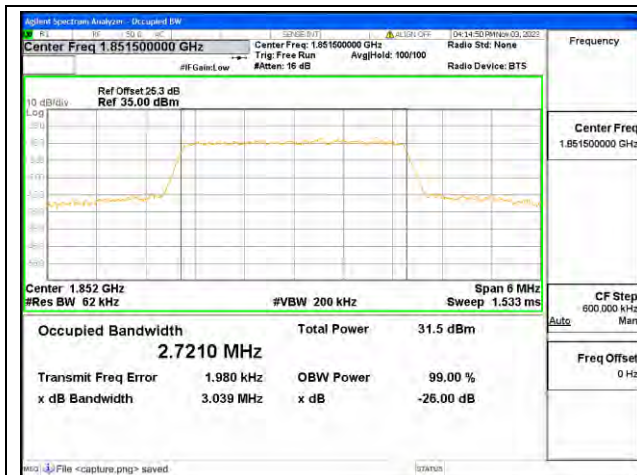


LTE Band 66				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.24
	Low	16QAM	1.10	1.24
	Mid	QPSK	1.10	1.24
	Mid	16QAM	1.10	1.25
	High	QPSK	1.10	1.25
	High	16QAM	1.10	1.24
3	Low	QPSK	2.71	3.05
	Low	16QAM	2.71	3.05
	Mid	QPSK	2.72	3.03
	Mid	16QAM	2.71	3.07
	High	QPSK	2.72	3.05
	High	16QAM	2.73	2.97
5	Low	QPSK	4.50	4.97
	Low	16QAM	4.50	5.00
	Mid	QPSK	4.50	4.98
	Mid	16QAM	4.51	4.98
	High	QPSK	4.50	4.97
	High	16QAM	4.50	4.98
10	Low	QPSK	9.00	9.87
	Low	16QAM	8.97	9.87
	Mid	QPSK	9.01	9.90
	Mid	16QAM	8.97	9.81
	High	QPSK	9.01	9.89
	High	16QAM	8.98	9.85
15	Low	QPSK	13.45	14.82
	Low	16QAM	13.47	15.06
	Mid	QPSK	13.51	14.82
	Mid	16QAM	13.47	14.81
	High	QPSK	13.47	14.89
	High	16QAM	13.48	14.96
20	Low	QPSK	17.95	19.70
	Low	16QAM	17.97	19.74
	Mid	QPSK	17.98	19.73
	Mid	16QAM	18.00	19.85
	High	QPSK	17.99	19.87
	High	16QAM	18.01	19.79



LTE Band 71				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.51	4.98
	Low	16QAM	4.51	5.00
	Mid	QPSK	4.49	4.95
	Mid	16QAM	4.50	4.99
	High	QPSK	4.50	4.97
	High	16QAM	4.50	4.97
10	Low	QPSK	9.01	9.81
	Low	16QAM	8.97	9.78
	Mid	QPSK	8.99	9.94
	Mid	16QAM	8.98	9.84
	High	QPSK	9.01	9.95
	High	16QAM	8.99	9.83
15	Low	QPSK	13.48	14.76
	Low	16QAM	13.49	14.92
	Mid	QPSK	13.49	14.88
	Mid	16QAM	13.50	14.93
	High	QPSK	13.46	14.90
	High	16QAM	13.49	14.96
20	Low	QPSK	17.96	19.69
	Low	16QAM	18.00	19.69
	Mid	QPSK	17.98	19.67
	Mid	16QAM	17.97	19.82
	High	QPSK	17.99	19.81
	High	16QAM	18.01	19.74

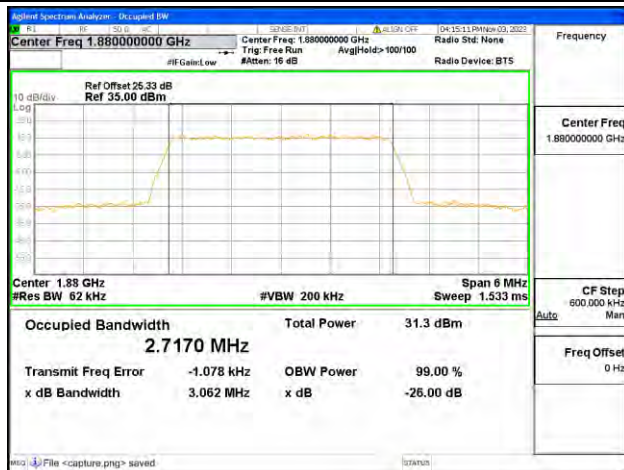




B2 / 3MHz / QPSK/ Low CH



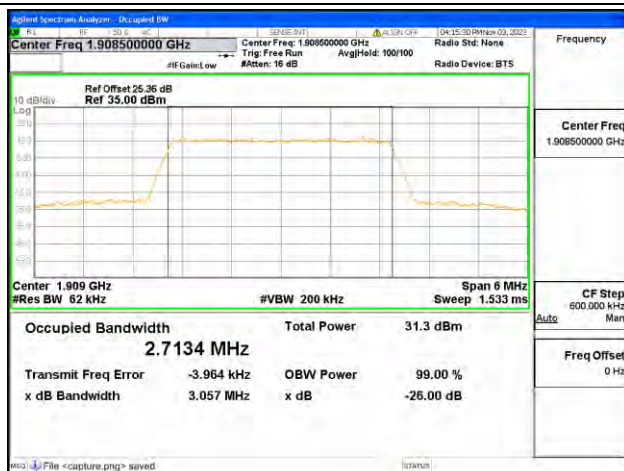
B2 / 3MHz / 16QAM/ Low CH



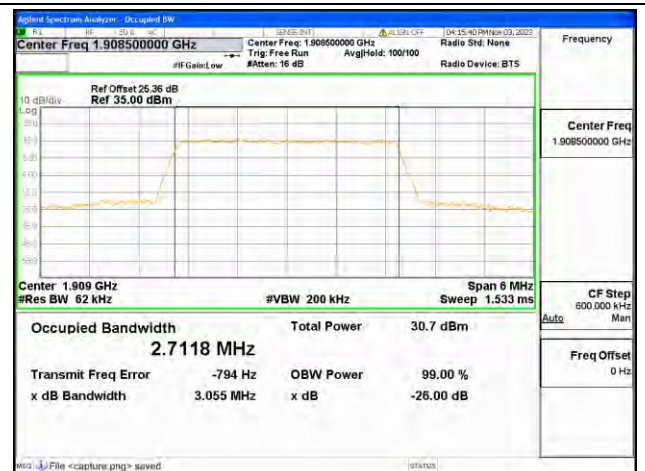
B2 / 3MHz / QPSK/ Mid CH



B2 / 3MHz / 16QAM/ Mid CH



B2 / 3MHz / QPSK/ High CH



B2 / 3MHz / 16QAM/ High CH



B2 / 5MHz / QPSK/ Low CH



B2 / 5MHz / 16QAM/ Low CH



B2 / 5MHz / QPSK/ Mid CH



B2 / 5MHz / 16QAM/ Mid CH



B2 / 5MHz / QPSK/ High CH



B2 / 5MHz / 16QAM/ High CH



B2 / 10MHz / QPSK/ Low CH



B2 / 10MHz / 16QAM/ Low CH



B2 / 10MHz / QPSK/ Mid CH



B2 / 10MHz / 16QAM/ Mid CH



B2 / 10MHz / QPSK/ High CH



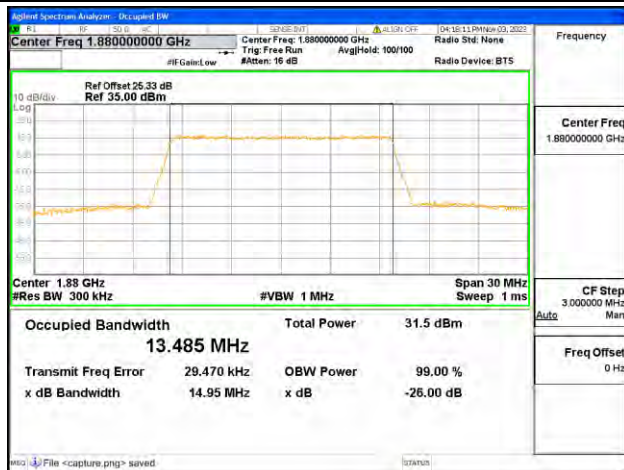
B2 / 10MHz / 16QAM/ High CH



B2 / 15MHz / QPSK/ Low CH



B2 / 15MHz / 16QAM/ Low CH



B2 / 15MHz / QPSK/ Mid CH



B2 / 15MHz / 16QAM/ Mid CH



B2 / 15MHz / QPSK/ High CH



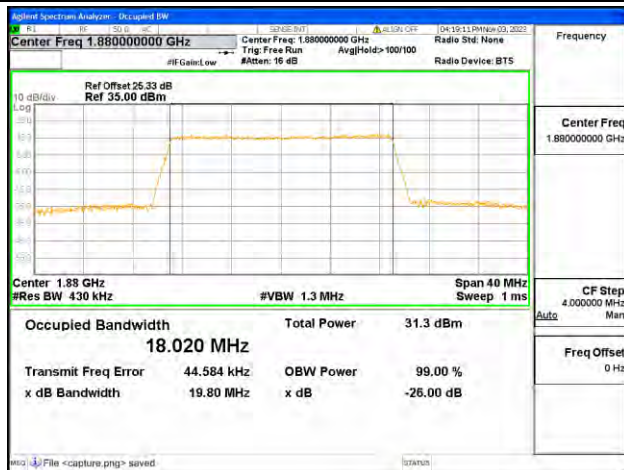
B2 / 15MHz / 16QAM/ High CH



B2 / 20MHz / QPSK/ Low CH



B2 / 20MHz / 16QAM/ Low CH



B2 / 20MHz / QPSK/ Mid CH



B2 / 20MHz / 16QAM/ Mid CH



B2 / 20MHz / QPSK/ High CH



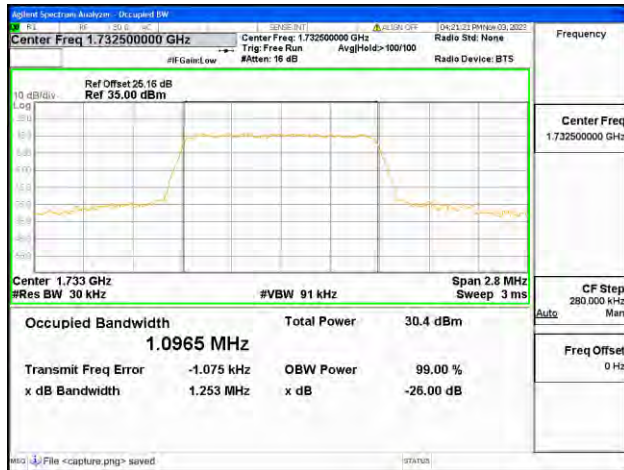
B2 / 20MHz / 16QAM/ High CH



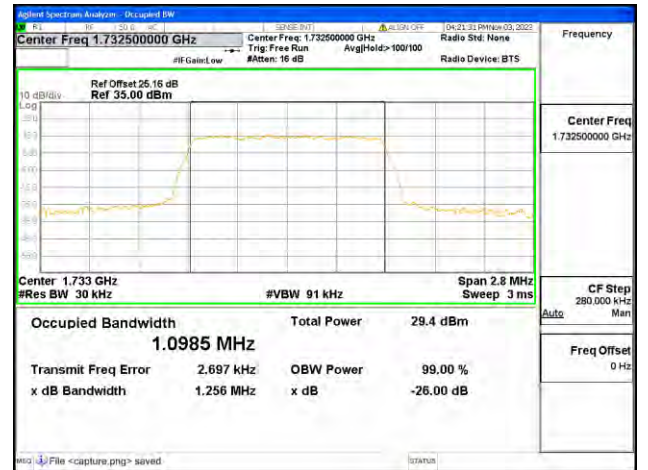
B4 / 1.4MHz / QPSK/ Low CH



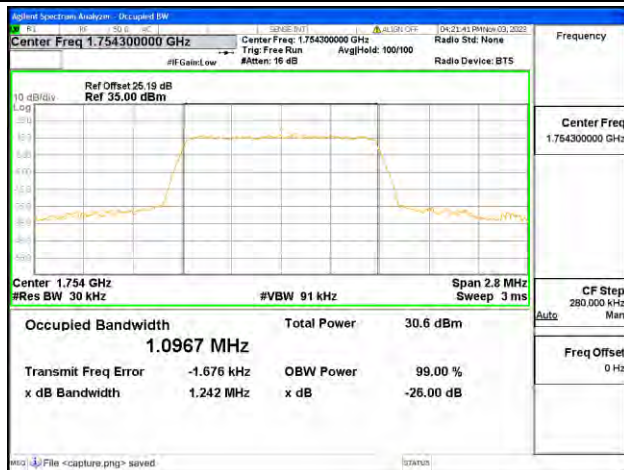
B4 / 1.4MHz / 16QAM/ Low CH



B4 / 1.4MHz / QPSK/ Mid CH



B4 / 1.4MHz / 16QAM/ Mid CH



B4 / 1.4MHz / QPSK/ High CH



B4 / 1.4MHz / 16QAM/ High CH