



TEST REPORT

APPLICANT : Bullitt Group

PRODUCT NAME : 4G Mobile Phone

MODEL NAME : S62

BRAND NAME : CAT

FCC ID : ZL5S62

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

RECEIPT DATE : 2021-06-04

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Change History		
Version	Date	Reason for change
1.0	2021-08-20	First edition



1. Technical Information

Note: Provide by applicant.

1.1. Applicant and Manufacturer Information

Applicant:	Bullitt Group
Applicant Address:	One Valpy, Valpy Street, Reading, Berkshire, RG1 1AR, United Kingdom
Manufacturer:	Bullitt Group
Manufacturer Address:	One Valpy, Valpy Street, Reading, Berkshire, RG1 1AR, United Kingdom

1.2. Equipment Under Test (EUT) Description

Product Name:	4G Mobile Phone
Sample No.:	1#
Hardware Version:	Q190_V1
Software Version:	LTE_S02111.10_N_S62_0
Modulation Type:	QPSK, 16QAM, 64QAM
Operation Band:	Band 2 / 4 / 5 / 7 / 12 / 13 / 17 / 25 / 26 / 38 / 40 / 41 / 66 / 71 Band 29 (DL only)
Carrier Aggregation:	UL: CA_41C DL: CA_4A-12A, CA_2A-4A, CA_4A-4A, CA_4A-5A, CA_4A-30A, CA_4A-29A, CA_4A-13A, CA_2A-12A, CA_2A-2A, CA_2C, CA_2A-5A, CA_2A-29A, CA_66A-66A, CA_66B, CA_66C, CA_2A-66A, CA_12A-66A, CA_5A-66A, CA_12B, CA_5A-5A, CA_5A-12A, CA_5B, CA, CA_41C, CA_41A-41A, CA_25A-25A, CA_2A-4A-12A, CA_4A-4A-12A, CA_2A-4A-4A, CA_2A-4A-5A, CA_4A-12B, CA_4A-5A-12A, CA_4A-4A-5A, CA_4A-4A-13A, CA_2A-2A-12A, CA_2A-5A-66A, CA_2A-2A-66A, CA_2A-5B, CA_2A-66B, CA_2A-4A-12A, CA_2A-2A-4A, CA_2A-2A-5A, CA_2A-12A-66A, CA_12A-66A-66A, CA_2A-66A-66A, CA_2A-66C, CA_5A-66A-66A, CA_66A-66C, CA_5B-66A, CA_12A-66C, CA_5A-66B, CA_5A-66C, CA_5A-12B, CA_5A-5A-66A, CA_41D, CA_41A-41C



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 13	Tx: 777MHz–787MHz
		Rx: 746MHz–756MHz
	LTE Band 17	Tx: 704MHz - 716MHz
		Rx: 734MHz – 746MHz
	LTE Band 25	Tx: 1850MHz–1915MHz
		Rx: 1930MHz–1995MHz
	LTE Band 26	Tx: 824MHz–849MHz
		Rx: 869MHz–894MHz
	LTE Band 29	Rx: 717MHz–728MHz
	LTE Band 38	Tx: 2570MHz–2620MHz
Rx: 2570MHz–2620MHz		
LTE Band 40 Block A	Tx: 2305MHz–2315MHz	
	Rx: 2305MHz–2315MHz	
LTE Band 40 Block B	Tx: 2350MHz–2360MHz	
	Rx: 2350MHz–2360MHz	
LTE Band 41	Tx: 2496MHz –2690MHz	
	Tx: 2496MHz –2690MHz	
LTE Band 66	Tx: 1710MHz –1780MHz	
	Rx: 2110MHz –2200MHz	
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, 15 MHz, 20 MHz
	LTE Band 12	1.4MHz, 3 MHz, 5 MHz, 10MHz
	LTE Band 13	5 MHz, 10MHz
	LTE Band 17	5 MHz, 10MHz
	LTE Band 25	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 26	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz
	LTE Band 38	5 MHz, 10MHz, 15MHz, 20MHz
	LTE Band 40	5MHz, 10MHz
	LTE Band 41	5 MHz, 10MHz, 15MHz, 20MHz
	LTE Band 66	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 71	5MHz, 10MHz, 15MHz, 20MHz
Antenna Type:	Fixed Internal Antenna	
Antenna Gain:	LTE Band 2	-2.00dBi
	LTE Band 4	-0.10dBi
	LTE Band 5	-1.10dBi
	LTE Band 7	-0.70dBi
	LTE Band 12	-1.50dBi
	LTE Band 13	-2.30dBi
	LTE Band 17	-1.50dBi
	LTE Band 25	-2.00dBi
	LTE Band 26	-1.10dBi
	LTE Band 38	-1.00dBi
	LTE Band 40	-1.00dBi
	LTE Band 41	-0.70dBi
	LTE Band 66	-0.16dBi
	LTE Band 71	-2.10dBi

Accessory Information:	Battery	
	Brand Name:	Gaoyuan Battery
	Model No.:	XQ6602G
	Serial No.:	N/A
	Capacity:	4000mAh
	Rated Voltage:	3.8V
	Charge Limit:	4.35V
	Manufacturer:	Hunan Gaoyuan Battery Co., Ltd.
	AC Adapter 1	
	Brand Name:	AOHAI
	Model No.:	A138-120150C-US1
	Serial No.:	N/A
	Rated Output:	5V=3A, 9V=2A, 12V=1.5A 3.3-5.9V=3A, 3.3-11V=2A
	Rated Input:	100-240V~50/60Hz, 0.5A
	Manufacturer:	Jiangxi Jian Aohai Technology Co.,Ltd.
	AC Adapter 2	
	Brand Name:	N/A
	Model No.:	ZSS-018U120150
	Serial No.:	N/A
	Rated Output:	5V=3A, 9V=2A, 12V=1.5A 3.3-5.9V=3A, 3.3-11V=2A
	Rated Input:	100-240V~50/60Hz, 0.5A
Manufacturer:	Zhuzhou Zopoise Technology Co., Ltd	

Note 1: This is a variant report to request a Class II Permissive change for the original report (Report No.: XM20070009W03, FCC ID: ZL5S62) which issued on Feb 19, 2021 by XIAMEN MORLAB COMMUNICATIONS TECHNOLOGY Co., Ltd. and original report (Report No.: R2009A0612-R1, FCC ID: ZL5S62) which issued on Feb 08, 2021 by TA Technology (Shanghai) Co., Ltd.

Based on the similarity between before, modify the antenna and add an adapter. Antenna optimization, antenna pattern, antenna matching and antenna gain are different. The antenna type remains unchanged. Due to the above changes, we have evaluated and retested conducted power and worst case of radiated spurious emissions, the test results are better than before, all other test items are no need to be retested. We only recorded the conducted power, E.I.P.R./E.R.P. and worse case of radiated spurious emissions in this report.

Note 2: 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)		
BW(MHz)	QPSK	16QAM	64QAM	
20	0.058	0.046	0.042	
15	0.058	0.045	0.042	
10	0.058	0.045	0.042	
5	0.058	0.045	0.042	
3	0.057	0.045	0.042	
1.4	0.057	0.045	0.041	
LTE Band 4		Maximum E.R.P./E.I.R.P. (W)		
BW(MHz)	QPSK	16QAM	64QAM	
20	0.094	0.077	0.075	
15	0.094	0.077	0.075	
10	0.093	0.077	0.074	
5	0.093	0.076	0.074	
3	0.092	0.076	0.074	
1.4	0.091	0.075	0.073	
LTE Band 5		Maximum E.R.P./E.I.R.P. (W)		
BW(MHz)	QPSK	16QAM	64QAM	
10	0.095	0.083	0.085	
5	0.094	0.082	0.084	
3	0.093	0.081	0.083	
1.4	0.091	0.080	0.082	
LTE Band 7		Maximum E.R.P./E.I.R.P. (W)		
BW(MHz)	QPSK	16QAM	64QAM	
20	0.074	0.062	0.061	
15	0.073	0.062	0.060	
10	0.073	0.061	0.060	
5	0.072	0.061	0.060	
LTE Band 12		Maximum E.R.P./E.I.R.P. (W)		
BW(MHz)	QPSK	16QAM	64QAM	
10	0.058	0.045	0.046	
5	0.057	0.045	0.046	
3	0.057	0.045	0.045	
1.4	0.056	0.044	0.045	



LTE Band 13		Maximum E.R.P./E.I.R.P. (W)		
BW(MHz)	QPSK	16QAM	64QAM	
10	0.039	0.033	0.033	
5	0.038	0.033	0.033	
LTE Band 17		Maximum E.R.P./E.I.R.P. (W)		
BW(MHz)	QPSK	16QAM	64QAM	
10	0.081	0.074	0.072	
5	0.077	0.071	0.071	
LTE Band 25		Maximum E.R.P./E.I.R.P. (W)		
BW(MHz)	QPSK	16QAM	64QAM	
20	0.067	0.051	0.051	
15	0.065	0.051	0.051	
10	0.065	0.051	0.051	
5	0.064	0.050	0.051	
3	0.064	0.050	0.051	
1.4	0.063	0.050	0.050	
LTE Band 26		Maximum E.R.P./E.I.R.P. (W)		
BW(MHz)	QPSK	16QAM	64QAM	
15	0.093	0.085	0.085	
10	0.091	0.084	0.084	
5	0.090	0.083	0.083	
3	0.089	0.083	0.083	
1.4	0.089	0.082	0.081	
LTE Band 38		Maximum E.R.P./E.I.R.P. (W)		
BW(MHz)	QPSK	16QAM	64QAM	
20	0.117	0.099	0.099	
15	0.117	0.097	0.099	
10	0.115	0.095	0.097	
5	0.114	0.094	0.097	
LTE Band 40 Block A		Maximum E.R.P./E.I.R.P. (W)		
BW(MHz)	QPSK	16QAM	64QAM	
10	0.124	0.101	0.100	
5	0.122	0.100	0.098	
LTE Band 40 Block B		Maximum E.R.P./E.I.R.P. (W)		
BW(MHz)	QPSK	16QAM	64QAM	
10	0.132	0.112	0.108	
5	0.130	0.111	0.108	



LTE Band 41	Maximum E.R.P./E.I.R.P. (W)		
BW(MHz)	QPSK	16QAM	64QAM
20	0.164	0.104	0.101
15	0.164	0.104	0.100
10	0.163	0.103	0.099
5	0.162	0.103	0.099
LTE Band 66	Maximum E.R.P./E.I.R.P. (W)		
BW(MHz)	QPSK	16QAM	64QAM
20	0.095	0.083	0.081
15	0.094	0.083	0.081
10	0.094	0.082	0.081
5	0.093	0.082	0.081
3	0.092	0.081	0.081
1.4	0.092	0.081	0.081
LTE Band 71	Maximum E.R.P./E.I.R.P. (W)		
BW(MHz)	QPSK	16QAM	64QAM
20	0.039	0.033	0.032
15	0.039	0.033	0.032
10	0.038	0.032	0.032
5	0.038	0.032	0.032



1.4. Test Standards and Results

The objective of the report is to perform testing according to Part 2, Part 22, Part 24 and 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(a)(3) 27.50(b)(10) 27.50(c)(10) 27.50(d)(4) 27.50(h)(2)	Transmitter Conducted Output Power and E.R.P./E.I.R.P.	Aug 17&18, 2021	Liang Yumei Huang Zhiye Li Huaijie	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(a)(4) 27.53(c)(2) 27.53(g) 27.53(h) 27.53(m)(4) 27.53(l)(2)	Radiated Spurious Emissions	Jul 04, 2021	Lin Jiayong	PASS	No deviation

Note 1: The test results of all test items please refer to the original report (Report No.: XM20070009W03, FCC ID: ZL5S62) which issued on Feb 19, 2021 by XIAMEN MORLAB COMMUNICATIONS TECHNOLOGY Co., Ltd. and original report (Report No.: R2009A0612-R1, FCC ID: ZL5S62) which issued on Feb 08, 2021 by TA Technology (Shanghai) Co., Ltd.

Note 2: 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 3: 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 D&F&H&L&M 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 2/25, 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 section22.913 (a)(2) for LTE Band 5/26, the E.R.P. of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

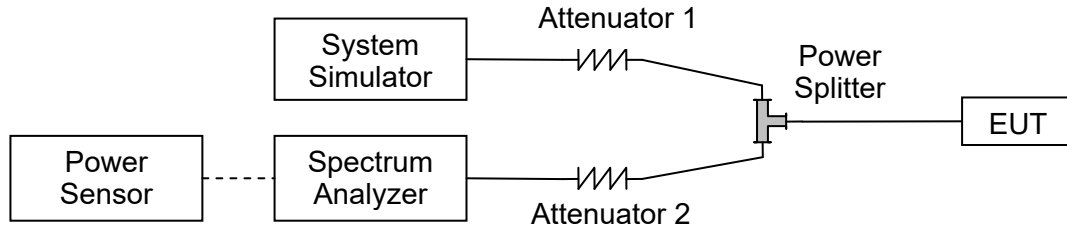
According to FCC section 27.50 (h)(2) for LTE Band 7/38/41, Mobile and other user stations. Mobile stations are limited to 2 watts E.I.R.P. All user stations are limited to 2 watts transmitter output power.

According to FCC section 27.50 (b)(10) for LTE Band 13, Portable stations (hand-held devices) transmitting in the 746-757 MHz, 776-788 MHz, and 805-806 MHz bands are limited to 3 watts E.R.P.

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.

According to FCC section 27.50 (a)(3) for LTE Band 40, For mobile and portable stations transmitting in the 2305-2315 MHz band or the 2350-2360 MHz band, the average E.I.R.P. must not exceed 50 milliwatts within any 1 megahertz of authorized bandwidth.

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.

$E.I.R.P. (dBm) = \text{Conducted Output Power (dBm)} + \text{Antenna Gain (dBi)}$

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



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	19.63	19.66	19.60
20	QPSK	1	49	19.60	19.53	19.51
20	QPSK	1	99	19.43	19.49	19.48
20	QPSK	50	0	18.61	18.75	18.60
20	QPSK	50	24	18.55	18.57	18.50
20	QPSK	50	50	18.53	18.56	18.47
20	QPSK	100	0	18.35	18.42	18.40
20	16QAM	1	0	18.55	18.60	18.41
20	16QAM	1	49	18.54	18.53	18.31
20	16QAM	1	99	18.37	18.37	18.23
20	16QAM	50	0	17.99	18.00	17.78
20	16QAM	50	24	17.89	17.95	17.88
20	16QAM	50	50	17.80	17.79	17.83
20	16QAM	100	0	17.71	17.74	17.78
20	64QAM	1	0	18.27	18.28	18.18
20	64QAM	1	49	18.28	18.18	18.26
20	64QAM	1	99	18.18	18.27	18.21
20	64QAM	50	0	17.68	17.81	17.71
20	64QAM	50	24	17.62	17.76	17.51
20	64QAM	50	50	17.51	17.65	17.39
20	64QAM	100	0	17.49	17.46	17.35



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	19.59	19.64	19.57
15	QPSK	1	37	19.56	19.51	19.48
15	QPSK	1	74	19.40	19.47	19.43
15	QPSK	36	0	18.58	18.74	18.58
15	QPSK	36	20	18.50	18.53	18.49
15	QPSK	36	39	18.49	18.51	18.44
15	QPSK	75	0	18.34	18.39	18.36
15	16QAM	1	0	18.51	18.57	18.37
15	16QAM	1	37	18.50	18.51	18.28
15	16QAM	1	74	18.34	18.33	18.19
15	16QAM	36	0	17.95	17.99	17.75
15	16QAM	36	20	17.87	17.92	17.86
15	16QAM	36	39	17.78	17.76	17.82
15	16QAM	75	0	17.67	17.72	17.73
15	64QAM	1	0	18.22	18.24	18.14
15	64QAM	1	37	18.25	18.17	18.23
15	64QAM	1	74	18.15	18.25	18.18
15	64QAM	36	0	17.65	17.77	17.69
15	64QAM	36	20	17.59	17.74	17.47
15	64QAM	36	39	17.47	17.61	17.35
15	64QAM	75	0	17.45	17.41	17.31



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	19.55	19.61	19.54
10	QPSK	1	25	19.54	19.48	19.45
10	QPSK	1	49	19.36	19.44	19.39
10	QPSK	25	0	18.57	18.70	18.57
10	QPSK	25	12	18.45	18.50	18.48
10	QPSK	25	25	18.47	18.47	18.41
10	QPSK	50	0	18.31	18.35	18.31
10	16QAM	1	0	18.46	18.56	18.33
10	16QAM	1	25	18.46	18.48	18.24
10	16QAM	1	49	18.31	18.30	18.16
10	16QAM	25	0	17.93	17.97	17.74
10	16QAM	25	12	17.85	17.89	17.83
10	16QAM	25	25	17.75	17.71	17.80
10	16QAM	50	0	17.64	17.70	17.68
10	64QAM	1	0	18.21	18.22	18.12
10	64QAM	1	25	18.23	18.14	18.19
10	64QAM	1	49	18.13	18.22	18.14
10	64QAM	25	0	17.62	17.73	17.64
10	64QAM	25	12	17.56	17.71	17.43
10	64QAM	25	25	17.45	17.59	17.32
10	64QAM	50	0	17.43	17.37	17.29



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	19.56	19.62	19.55
5	QPSK	1	12	19.51	19.49	19.44
5	QPSK	1	24	19.38	19.42	19.41
5	QPSK	12	0	18.55	18.72	18.56
5	QPSK	12	7	18.48	18.51	18.46
5	QPSK	12	13	18.45	18.47	18.39
5	QPSK	25	0	18.33	18.37	18.32
5	16QAM	1	0	18.49	18.55	18.33
5	16QAM	1	12	18.48	18.48	18.26
5	16QAM	1	24	18.31	18.31	18.14
5	16QAM	12	0	17.91	17.94	17.74
5	16QAM	12	7	17.83	17.89	17.81
5	16QAM	12	13	17.74	17.74	17.78
5	16QAM	25	0	17.65	17.69	17.70
5	64QAM	1	0	18.18	18.23	18.12
5	64QAM	1	12	18.23	18.13	18.20
5	64QAM	1	24	18.13	18.23	18.14
5	64QAM	12	0	17.62	17.73	17.67
5	64QAM	12	7	17.55	17.70	17.45
5	64QAM	12	13	17.43	17.60	17.33
5	64QAM	25	0	17.42	17.36	17.26



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	19.55	19.56	19.50
3	QPSK	1	8	19.52	19.47	19.43
3	QPSK	1	14	19.35	19.40	19.39
3	QPSK	8	0	18.52	18.72	18.48
3	QPSK	8	4	18.42	18.47	18.44
3	QPSK	8	7	18.41	18.47	18.40
3	QPSK	15	0	18.29	18.35	18.31
3	16QAM	1	0	18.43	18.53	18.31
3	16QAM	1	8	18.44	18.46	18.22
3	16QAM	1	14	18.26	18.27	18.13
3	16QAM	8	0	17.91	17.91	17.71
3	16QAM	8	4	17.83	17.87	17.80
3	16QAM	8	7	17.74	17.69	17.75
3	16QAM	15	0	17.60	17.63	17.68
3	64QAM	1	0	18.17	18.20	18.07
3	64QAM	1	8	18.19	18.12	18.15
3	64QAM	1	14	18.09	18.18	18.12
3	64QAM	8	0	17.58	17.72	17.60
3	64QAM	8	4	17.51	17.69	17.41
3	64QAM	8	7	17.44	17.53	17.30
3	64QAM	15	0	17.40	17.38	17.25



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	19.50	19.57	19.48
1.4	QPSK	1	3	19.47	19.40	19.40
1.4	QPSK	1	5	19.28	19.39	19.34
1.4	QPSK	3	0	18.48	18.69	18.49
1.4	QPSK	3	1	18.39	18.43	18.44
1.4	QPSK	3	3	18.39	18.42	18.40
1.4	QPSK	6	0	18.27	18.29	18.25
1.4	16QAM	1	0	18.42	18.49	18.28
1.4	16QAM	1	3	18.40	18.39	18.17
1.4	16QAM	1	5	18.25	18.26	18.09
1.4	16QAM	3	0	17.90	17.91	17.65
1.4	16QAM	3	1	17.78	17.85	17.78
1.4	16QAM	3	3	17.73	17.65	17.74
1.4	16QAM	6	0	17.59	17.61	17.64
1.4	64QAM	1	0	18.14	18.15	18.08
1.4	64QAM	1	3	18.16	18.08	18.12
1.4	64QAM	1	5	18.09	18.16	18.12
1.4	64QAM	3	0	17.56	17.71	17.58
1.4	64QAM	3	1	17.53	17.65	17.39
1.4	64QAM	3	3	17.39	17.51	17.25
1.4	64QAM	6	0	17.39	17.31	17.24



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	19.77	19.83	19.76
20	QPSK	1	49	19.66	19.80	18.74
20	QPSK	1	99	19.62	19.68	19.60
20	QPSK	50	0	18.89	18.96	18.84
20	QPSK	50	24	18.74	18.93	18.76
20	QPSK	50	50	18.63	18.81	18.65
20	QPSK	100	0	18.46	18.59	18.49
20	16QAM	1	0	18.97	18.99	18.95
20	16QAM	1	49	18.93	18.91	18.91
20	16QAM	1	99	18.90	18.79	18.78
20	16QAM	50	0	17.90	18.08	17.84
20	16QAM	50	24	17.87	17.94	17.72
20	16QAM	50	50	17.85	17.83	17.67
20	16QAM	100	0	17.74	17.80	17.54
20	64QAM	1	0	18.84	18.87	18.84
20	64QAM	1	49	18.78	18.79	18.78
20	64QAM	1	99	18.73	18.77	18.75
20	64QAM	50	0	17.95	17.91	17.81
20	64QAM	50	24	17.89	17.81	17.77
20	64QAM	50	50	17.80	17.76	17.71
20	64QAM	100	0	17.75	17.63	17.56



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	19.73	19.81	19.72
15	QPSK	1	37	19.64	19.78	18.71
15	QPSK	1	74	19.59	19.63	19.56
15	QPSK	36	0	18.85	18.94	18.82
15	QPSK	36	20	18.71	18.92	18.75
15	QPSK	36	39	18.60	18.78	18.63
15	QPSK	75	0	18.41	18.57	18.47
15	16QAM	1	0	18.93	18.96	18.91
15	16QAM	1	37	18.89	18.86	18.88
15	16QAM	1	74	18.86	18.75	18.74
15	16QAM	36	0	17.87	18.03	17.83
15	16QAM	36	20	17.82	17.93	17.71
15	16QAM	36	39	17.81	17.81	17.62
15	16QAM	75	0	17.72	17.77	17.51
15	64QAM	1	0	18.82	18.83	18.80
15	64QAM	1	37	18.75	18.77	18.74
15	64QAM	1	74	18.71	18.76	18.72
15	64QAM	36	0	17.92	17.88	17.79
15	64QAM	36	20	17.86	17.78	17.73
15	64QAM	36	39	17.78	17.72	17.69
15	64QAM	75	0	17.71	17.61	17.54



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	19.72	19.77	19.68
10	QPSK	1	25	19.59	19.75	18.66
10	QPSK	1	49	19.58	19.60	19.51
10	QPSK	25	0	18.83	18.91	18.78
10	QPSK	25	12	18.67	18.90	18.72
10	QPSK	25	25	18.57	18.76	18.60
10	QPSK	50	0	18.40	18.53	18.46
10	16QAM	1	0	18.90	18.94	18.89
10	16QAM	1	25	18.88	18.84	18.86
10	16QAM	1	49	18.81	18.72	18.73
10	16QAM	25	0	17.82	17.99	17.80
10	16QAM	25	12	17.78	17.89	17.67
10	16QAM	25	25	17.77	17.78	17.60
10	16QAM	50	0	17.69	17.74	17.48
10	64QAM	1	0	18.79	18.79	18.78
10	64QAM	1	25	18.72	18.75	18.73
10	64QAM	1	49	18.66	18.72	18.68
10	64QAM	25	0	17.88	17.86	17.77
10	64QAM	25	12	17.84	17.76	17.70
10	64QAM	25	25	17.76	17.69	17.67
10	64QAM	50	0	17.70	17.59	17.53



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	19.68	19.77	19.70
5	QPSK	1	12	19.62	19.75	18.69
5	QPSK	1	24	19.55	19.60	19.53
5	QPSK	12	0	18.80	18.90	18.80
5	QPSK	12	7	18.69	18.91	18.73
5	QPSK	12	13	18.57	18.75	18.59
5	QPSK	25	0	18.37	18.55	18.44
5	16QAM	1	0	18.89	18.91	18.88
5	16QAM	1	12	18.84	18.83	18.86
5	16QAM	1	24	18.84	18.71	18.70
5	16QAM	12	0	17.85	18.00	17.78
5	16QAM	12	7	17.80	17.90	17.66
5	16QAM	12	13	17.78	17.78	17.58
5	16QAM	25	0	17.71	17.72	17.47
5	64QAM	1	0	18.79	18.82	18.79
5	64QAM	1	12	18.73	18.74	18.72
5	64QAM	1	24	18.69	18.73	18.71
5	64QAM	12	0	17.90	17.87	17.75
5	64QAM	12	7	17.83	17.74	17.72
5	64QAM	12	13	17.74	17.68	17.64
5	64QAM	25	0	17.69	17.58	17.52



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	19.67	19.75	19.66
3	QPSK	1	8	19.58	19.72	18.65
3	QPSK	1	14	19.54	19.56	19.48
3	QPSK	8	0	18.76	18.88	18.79
3	QPSK	8	4	18.66	18.87	18.70
3	QPSK	8	7	18.55	18.72	18.56
3	QPSK	15	0	18.33	18.53	18.42
3	16QAM	1	0	18.87	18.89	18.83
3	16QAM	1	8	18.83	18.79	18.84
3	16QAM	1	14	18.80	18.66	18.66
3	16QAM	8	0	17.81	17.95	17.73
3	16QAM	8	4	17.78	17.86	17.62
3	16QAM	8	7	17.76	17.74	17.57
3	16QAM	15	0	17.67	17.71	17.44
3	64QAM	1	0	18.76	18.79	18.76
3	64QAM	1	8	18.71	18.70	18.70
3	64QAM	1	14	18.64	18.70	18.68
3	64QAM	8	0	17.87	17.83	17.72
3	64QAM	8	4	17.79	17.70	17.68
3	64QAM	8	7	17.70	17.64	17.59
3	64QAM	15	0	17.64	17.56	17.48



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	19.64	19.70	19.65
1.4	QPSK	1	3	19.55	19.69	18.64
1.4	QPSK	1	5	19.49	19.55	19.45
1.4	QPSK	3	0	18.74	18.84	18.73
1.4	QPSK	3	1	18.63	18.86	18.67
1.4	QPSK	3	3	18.53	18.68	18.53
1.4	QPSK	6	0	18.32	18.49	18.38
1.4	16QAM	1	0	18.84	18.84	18.82
1.4	16QAM	1	3	18.78	18.75	18.78
1.4	16QAM	1	5	18.78	18.66	18.63
1.4	16QAM	3	0	17.75	17.93	17.74
1.4	16QAM	3	1	17.73	17.84	17.61
1.4	16QAM	3	3	17.73	17.73	17.52
1.4	16QAM	6	0	17.65	17.69	17.41
1.4	64QAM	1	0	18.72	18.72	18.75
1.4	64QAM	1	3	18.68	18.68	18.63
1.4	64QAM	1	5	18.66	18.66	18.65
1.4	64QAM	3	0	17.81	17.78	17.68
1.4	64QAM	3	1	17.78	17.68	17.67
1.4	64QAM	3	3	17.65	17.62	17.57
1.4	64QAM	6	0	17.65	17.53	17.47



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	22.89	23.01	22.82
10	QPSK	1	25	22.85	22.98	22.75
10	QPSK	1	49	22.74	22.96	22.66
10	QPSK	25	0	21.88	21.91	21.82
10	QPSK	25	12	21.82	21.81	21.69
10	QPSK	25	25	21.76	21.74	21.56
10	QPSK	50	0	21.65	21.69	21.41
10	16QAM	1	0	22.24	22.42	22.01
10	16QAM	1	25	22.10	22.30	21.99
10	16QAM	1	49	22.01	22.26	21.94
10	16QAM	25	0	21.12	21.04	20.87
10	16QAM	25	12	21.02	20.96	20.77
10	16QAM	25	25	20.88	20.87	20.62
10	16QAM	50	0	20.78	20.76	20.53
10	64QAM	1	0	22.52	22.35	22.21
10	64QAM	1	25	22.49	22.27	22.19
10	64QAM	1	49	22.42	22.19	22.13
10	64QAM	25	0	21.06	20.95	20.86
10	64QAM	25	12	20.92	20.89	20.75
10	64QAM	25	25	20.89	20.77	20.73
10	64QAM	50	0	20.74	20.67	20.65



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	22.83	22.96	22.77
5	QPSK	1	12	22.83	22.96	22.70
5	QPSK	1	24	22.69	22.94	22.61
5	QPSK	12	0	21.84	21.90	21.80
5	QPSK	12	7	21.78	21.76	21.65
5	QPSK	12	13	21.72	21.70	21.54
5	QPSK	25	0	21.59	21.67	21.36
5	16QAM	1	0	22.18	22.37	21.95
5	16QAM	1	12	22.05	22.25	21.96
5	16QAM	1	24	21.95	22.24	21.90
5	16QAM	12	0	21.07	21.02	20.83
5	16QAM	12	7	21.00	20.90	20.75
5	16QAM	12	13	20.83	20.82	20.59
5	16QAM	25	0	20.76	20.71	20.51
5	64QAM	1	0	22.48	22.32	22.17
5	64QAM	1	12	22.45	22.22	22.15
5	64QAM	1	24	22.36	22.16	22.08
5	64QAM	12	0	21.01	20.92	20.80
5	64QAM	12	7	20.90	20.84	20.70
5	64QAM	12	13	20.86	20.76	20.70
5	64QAM	25	0	20.70	20.65	20.60



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	22.77	22.92	22.74
3	QPSK	1	8	22.81	22.90	22.66
3	QPSK	1	14	22.66	22.83	22.59
3	QPSK	8	0	21.82	21.80	21.75
3	QPSK	8	4	21.72	21.70	21.63
3	QPSK	8	7	21.66	21.66	21.50
3	QPSK	15	0	21.53	21.63	21.33
3	16QAM	1	0	22.13	22.33	21.89
3	16QAM	1	8	22.03	22.23	21.93
3	16QAM	1	14	21.93	22.18	21.86
3	16QAM	8	0	21.03	21.00	20.79
3	16QAM	8	4	20.96	20.87	20.73
3	16QAM	8	7	20.82	20.76	20.56
3	16QAM	15	0	20.74	20.66	20.46
3	64QAM	1	0	22.42	22.27	22.15
3	64QAM	1	8	22.44	22.20	22.11
3	64QAM	1	14	22.35	22.12	22.05
3	64QAM	8	0	20.99	20.90	20.75
3	64QAM	8	4	20.88	20.83	20.65
3	64QAM	8	7	20.84	20.71	20.66
3	64QAM	15	0	20.64	20.61	20.55



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	22.76	22.86	22.71
1.4	QPSK	1	3	22.78	22.81	22.64
1.4	QPSK	1	5	22.63	22.80	22.55
1.4	QPSK	3	0	21.79	21.75	21.74
1.4	QPSK	3	1	21.70	21.68	21.59
1.4	QPSK	3	3	21.61	21.65	21.48
1.4	QPSK	6	0	21.48	21.60	21.28
1.4	16QAM	1	0	22.10	22.30	21.85
1.4	16QAM	1	3	22.02	22.20	21.87
1.4	16QAM	1	5	21.91	22.15	21.82
1.4	16QAM	3	0	20.97	20.95	20.76
1.4	16QAM	3	1	20.90	20.86	20.69
1.4	16QAM	3	3	20.80	20.74	20.54
1.4	16QAM	6	0	20.72	20.63	20.41
1.4	64QAM	1	0	22.37	22.25	22.12
1.4	64QAM	1	3	22.41	22.16	22.09
1.4	64QAM	1	5	22.32	22.11	22.01
1.4	64QAM	3	0	20.98	20.86	20.72
1.4	64QAM	3	1	20.82	20.77	20.62
1.4	64QAM	3	3	20.81	20.65	20.61
1.4	64QAM	6	0	20.60	20.57	20.50



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	19.26	19.37	19.08
20	QPSK	1	49	19.13	19.24	18.89
20	QPSK	1	99	18.75	18.95	18.84
20	QPSK	50	0	18.49	18.53	18.41
20	QPSK	50	24	18.35	18.41	18.32
20	QPSK	50	50	18.26	18.33	18.27
20	QPSK	100	0	18.46	18.51	18.33
20	16QAM	1	0	18.63	18.53	18.44
20	16QAM	1	49	18.47	18.41	18.32
20	16QAM	1	99	18.33	18.34	18.21
20	16QAM	50	0	17.68	17.43	17.76
20	16QAM	50	24	17.45	17.36	17.58
20	16QAM	50	50	17.34	17.27	17.43
20	16QAM	100	0	17.53	17.44	17.64
20	64QAM	1	0	18.53	18.42	18.31
20	64QAM	1	49	18.43	18.34	18.26
20	64QAM	1	99	18.36	18.27	18.15
20	64QAM	50	0	17.53	17.34	17.54
20	64QAM	50	24	17.33	17.28	17.54
20	64QAM	50	50	17.36	17.15	17.31
20	64QAM	100	0	17.41	17.38	17.59



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	19.23	19.34	19.05
15	QPSK	1	37	19.10	19.21	18.86
15	QPSK	1	74	18.72	18.92	18.81
15	QPSK	36	0	18.46	18.50	18.38
15	QPSK	36	20	18.32	18.38	18.29
15	QPSK	36	39	18.23	18.30	18.24
15	QPSK	75	0	18.43	18.48	18.30
15	16QAM	1	0	18.60	18.50	18.41
15	16QAM	1	37	18.44	18.38	18.29
15	16QAM	1	74	18.30	18.31	18.18
15	16QAM	36	0	17.65	17.40	17.73
15	16QAM	36	20	17.42	17.33	17.55
15	16QAM	36	39	17.31	17.24	17.40
15	16QAM	75	0	17.50	17.41	17.61
15	64QAM	1	0	18.50	18.39	18.28
15	64QAM	1	37	18.40	18.31	18.23
15	64QAM	1	74	18.33	18.24	18.12
15	64QAM	36	0	17.50	17.31	17.51
15	64QAM	36	20	17.30	17.25	17.51
15	64QAM	36	39	17.33	17.12	17.28
15	64QAM	75	0	17.38	17.35	17.56



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	19.21	19.32	19.03
10	QPSK	1	25	19.08	19.19	18.84
10	QPSK	1	49	18.70	18.90	18.79
10	QPSK	25	0	18.44	18.48	18.36
10	QPSK	25	12	18.30	18.36	18.27
10	QPSK	25	25	18.21	18.28	18.22
10	QPSK	50	0	18.41	18.46	18.28
10	16QAM	1	0	18.58	18.48	18.39
10	16QAM	1	25	18.42	18.36	18.27
10	16QAM	1	49	18.28	18.29	18.16
10	16QAM	25	0	17.63	17.38	17.71
10	16QAM	25	12	17.40	17.31	17.53
10	16QAM	25	25	17.29	17.22	17.38
10	16QAM	50	0	17.48	17.39	17.59
10	64QAM	1	0	18.48	18.37	18.26
10	64QAM	1	25	18.38	18.29	18.21
10	64QAM	1	49	18.31	18.22	18.10
10	64QAM	25	0	17.48	17.29	17.49
10	64QAM	25	12	17.28	17.23	17.49
10	64QAM	25	25	17.31	17.10	17.26
10	64QAM	50	0	17.36	17.33	17.54



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	19.19	19.30	19.01
5	QPSK	1	12	19.06	19.17	18.82
5	QPSK	1	24	18.68	18.88	18.77
5	QPSK	12	0	18.42	18.46	18.34
5	QPSK	12	7	18.28	18.34	18.25
5	QPSK	12	13	18.19	18.26	18.20
5	QPSK	25	0	18.39	18.44	18.26
5	16QAM	1	0	18.56	18.46	18.37
5	16QAM	1	12	18.40	18.34	18.25
5	16QAM	1	24	18.26	18.27	18.14
5	16QAM	12	0	17.61	17.36	17.69
5	16QAM	12	7	17.38	17.29	17.51
5	16QAM	12	13	17.27	17.20	17.36
5	16QAM	25	0	17.46	17.37	17.57
5	64QAM	1	0	18.46	18.35	18.24
5	64QAM	1	12	18.36	18.27	18.19
5	64QAM	1	24	18.29	18.20	18.08
5	64QAM	12	0	17.46	17.27	17.47
5	64QAM	12	7	17.26	17.21	17.47
5	64QAM	12	13	17.29	17.08	17.24
5	64QAM	25	0	17.34	17.31	17.52



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	21.18	21.25	21.14
10	QPSK	1	25	21.12	21.12	20.97
10	QPSK	1	49	20.98	21.04	20.93
10	QPSK	25	0	19.98	20.05	19.99
10	QPSK	25	12	19.91	19.92	19.94
10	QPSK	25	25	19.85	19.78	19.92
10	QPSK	50	0	19.83	19.72	19.79
10	16QAM	1	0	20.10	20.18	20.16
10	16QAM	1	25	20.01	20.05	20.10
10	16QAM	1	49	19.97	19.93	20.03
10	16QAM	25	0	19.02	18.97	19.02
10	16QAM	25	12	18.88	18.94	18.93
10	16QAM	25	25	18.80	18.83	18.82
10	16QAM	50	0	18.75	18.77	18.78
10	64QAM	1	0	20.07	20.25	20.27
10	64QAM	1	25	19.96	20.21	20.20
10	64QAM	1	49	19.81	20.15	20.17
10	64QAM	25	0	19.14	19.06	19.15
10	64QAM	25	12	19.05	18.96	19.05
10	64QAM	25	25	18.91	18.87	18.95
10	64QAM	50	0	18.85	18.76	18.82



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	21.16	21.22	21.09
5	QPSK	1	12	21.09	21.09	20.92
5	QPSK	1	24	20.95	21.01	20.89
5	QPSK	12	0	19.96	20.01	19.95
5	QPSK	12	7	19.90	19.90	19.90
5	QPSK	12	13	19.82	19.76	19.89
5	QPSK	25	0	19.80	19.70	19.77
5	16QAM	1	0	20.08	20.17	20.15
5	16QAM	1	12	20.00	20.02	20.05
5	16QAM	1	24	19.93	19.91	20.00
5	16QAM	12	0	19.01	18.92	19.01
5	16QAM	12	7	18.83	18.92	18.89
5	16QAM	12	13	18.78	18.79	18.79
5	16QAM	25	0	18.73	18.76	18.76
5	64QAM	1	0	20.04	20.20	20.24
5	64QAM	1	12	19.95	20.18	20.18
5	64QAM	1	24	19.78	20.11	20.15
5	64QAM	12	0	19.10	19.04	19.10
5	64QAM	12	7	19.01	18.95	19.03
5	64QAM	12	13	18.86	18.83	18.92
5	64QAM	25	0	18.84	18.73	18.80



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	21.12	21.20	21.04
3	QPSK	1	8	21.06	21.07	20.88
3	QPSK	1	14	20.92	21.00	20.86
3	QPSK	8	0	19.92	19.98	19.93
3	QPSK	8	4	19.88	19.88	19.87
3	QPSK	8	7	19.80	19.74	19.87
3	QPSK	15	0	19.78	19.68	19.74
3	16QAM	1	0	20.04	20.15	20.12
3	16QAM	1	8	19.97	19.98	20.01
3	16QAM	1	14	19.91	19.86	19.99
3	16QAM	8	0	18.98	18.89	19.00
3	16QAM	8	4	18.81	18.88	18.88
3	16QAM	8	7	18.74	18.77	18.76
3	16QAM	15	0	18.70	18.73	18.72
3	64QAM	1	0	20.02	20.16	20.20
3	64QAM	1	8	19.91	20.16	20.14
3	64QAM	1	14	19.75	20.08	20.12
3	64QAM	8	0	19.09	19.02	19.07
3	64QAM	8	4	18.99	18.92	19.00
3	64QAM	8	7	18.82	18.82	18.91
3	64QAM	15	0	18.80	18.71	18.76



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	21.10	21.16	21.02
1.4	QPSK	1	3	21.00	21.04	20.83
1.4	QPSK	1	5	20.87	20.94	20.83
1.4	QPSK	3	0	19.92	19.95	19.89
1.4	QPSK	3	1	19.83	19.86	19.85
1.4	QPSK	3	3	19.75	19.70	19.81
1.4	QPSK	6	0	19.74	19.68	19.73
1.4	16QAM	1	0	20.00	20.13	20.10
1.4	16QAM	1	3	19.90	19.98	19.99
1.4	16QAM	1	5	19.87	19.84	19.93
1.4	16QAM	3	0	18.92	18.87	18.94
1.4	16QAM	3	1	18.78	18.84	18.80
1.4	16QAM	3	3	18.69	18.72	18.72
1.4	16QAM	6	0	18.70	18.70	18.69
1.4	64QAM	1	0	19.99	20.14	20.17
1.4	64QAM	1	3	19.88	20.12	20.12
1.4	64QAM	1	5	19.75	20.02	20.10
1.4	64QAM	3	0	19.07	18.94	19.07
1.4	64QAM	3	1	18.93	18.88	18.96
1.4	64QAM	3	3	18.82	18.76	18.85
1.4	64QAM	6	0	18.77	18.71	18.73



LTE Band 13						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				/	23230	/
Frequency (MHz)				/	782	/
10	QPSK	1	0	/	20.31	/
10	QPSK	1	25	/	20.26	/
10	QPSK	1	49	/	20.17	/
10	QPSK	25	0	/	19.64	/
10	QPSK	25	12	/	19.55	/
10	QPSK	25	25	/	19.50	/
10	QPSK	50	0	/	19.22	/
10	16QAM	1	0	/	19.69	/
10	16QAM	1	25	/	19.63	/
10	16QAM	1	49	/	19.59	/
10	16QAM	25	0	/	18.66	/
10	16QAM	25	12	/	18.64	/
10	16QAM	25	25	/	18.56	/
10	16QAM	50	0	/	18.46	/
10	64QAM	1	0	/	19.67	/
10	64QAM	1	25	/	19.55	/
10	64QAM	1	49	/	19.55	/
10	64QAM	25	0	/	18.64	/
10	64QAM	25	12	/	18.54	/
10	64QAM	25	25	/	18.41	/
10	64QAM	50	0	/	18.24	/



LTE Band 13						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23205	23230	23255
Frequency (MHz)				779.5	782	784.5
5	QPSK	1	0	20.21	20.26	20.25
5	QPSK	1	12	20.18	20.23	20.19
5	QPSK	1	24	20.09	20.13	20.08
5	QPSK	12	0	19.53	19.61	19.55
5	QPSK	12	7	19.42	19.53	19.45
5	QPSK	12	13	19.36	19.47	19.37
5	QPSK	25	0	19.08	19.18	19.13
5	16QAM	1	0	19.56	19.66	19.61
5	16QAM	1	12	19.46	19.62	19.54
5	16QAM	1	24	19.45	19.55	19.49
5	16QAM	12	0	18.50	18.65	18.55
5	16QAM	12	7	18.53	18.61	18.53
5	16QAM	12	13	18.42	18.54	18.48
5	16QAM	25	0	18.35	18.43	18.38
5	64QAM	1	0	19.56	19.63	19.58
5	64QAM	1	12	19.41	19.53	19.49
5	64QAM	1	24	19.42	19.51	19.43
5	64QAM	12	0	18.51	18.61	18.54
5	64QAM	12	7	18.40	18.50	18.45
5	64QAM	12	13	18.33	18.36	18.34
5	64QAM	25	0	18.10	18.22	18.14



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	22.65	22.71	22.55
10	QPSK	1	25	22.41	22.60	22.49
10	QPSK	1	49	22.36	22.53	22.40
10	QPSK	25	0	21.64	21.70	21.67
10	QPSK	25	12	21.54	21.60	21.53
10	QPSK	25	25	21.52	21.46	21.39
10	QPSK	50	0	21.51	21.42	21.34
10	16QAM	1	0	22.26	22.07	22.32
10	16QAM	1	25	22.24	21.93	22.30
10	16QAM	1	49	22.18	21.85	22.19
10	16QAM	25	0	20.81	20.81	20.75
10	16QAM	25	12	20.67	20.72	20.62
10	16QAM	25	25	20.52	20.59	20.47
10	16QAM	50	0	20.50	20.56	20.35
10	64QAM	1	0	21.94	22.25	22.16
10	64QAM	1	25	21.92	22.10	22.08
10	64QAM	1	49	21.88	22.03	21.93
10	64QAM	25	0	20.82	20.93	20.83
10	64QAM	25	12	20.76	20.85	20.76
10	64QAM	25	25	20.71	20.72	20.70
10	64QAM	50	0	20.62	20.67	20.62



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	22.45	22.51	22.29
5	QPSK	1	12	22.27	22.40	22.35
5	QPSK	1	24	22.25	22.36	22.27
5	QPSK	12	0	21.49	21.55	21.47
5	QPSK	12	7	21.40	21.50	21.35
5	QPSK	12	13	21.34	21.41	21.31
5	QPSK	25	0	21.39	21.31	21.22
5	16QAM	1	0	22.07	21.95	22.16
5	16QAM	1	12	22.09	21.80	22.14
5	16QAM	1	24	22.06	21.69	22.11
5	16QAM	12	0	20.68	20.75	20.61
5	16QAM	12	7	20.57	20.64	20.47
5	16QAM	12	13	20.37	20.46	20.34
5	16QAM	25	0	20.40	20.41	20.21
5	64QAM	1	0	21.75	22.14	22.01
5	64QAM	1	12	21.80	21.96	21.95
5	64QAM	1	24	21.75	21.90	21.81
5	64QAM	12	0	20.67	20.84	20.66
5	64QAM	12	7	20.61	20.69	20.60
5	64QAM	12	13	20.55	20.61	20.51
5	64QAM	25	0	20.53	20.49	20.45



LTE Band 25						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26140	26365	26590
Frequency (MHz)				1860	1882.5	1905
20	QPSK	1	0	20.11	20.26	20.22
20	QPSK	1	49	20.03	20.07	19.82
20	QPSK	1	99	20.01	20.05	19.77
20	QPSK	50	0	19.25	19.26	19.23
20	QPSK	50	24	19.16	19.21	19.15
20	QPSK	50	50	19.13	19.14	19.19
20	QPSK	100	0	19.09	19.12	19.06
20	16QAM	1	0	19.06	19.11	18.94
20	16QAM	1	49	18.91	19.03	18.88
20	16QAM	1	99	18.84	18.87	18.86
20	16QAM	50	0	18.14	18.23	18.19
20	16QAM	50	24	18.03	18.06	18.12
20	16QAM	50	50	17.98	18.01	18.03
20	16QAM	100	0	18.05	18.11	18.16
20	64QAM	1	0	19.05	19.08	18.93
20	64QAM	1	49	18.91	18.95	18.87
20	64QAM	1	99	18.89	18.85	18.83
20	64QAM	50	0	18.14	18.25	18.22
20	64QAM	50	24	18.09	18.14	18.13
20	64QAM	50	50	18.04	18.08	18.11
20	64QAM	100	0	17.96	18.00	18.02



LTE Band 25						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26115	26365	26615
Frequency (MHz)				1857.5	1882.5	1907.5
15	QPSK	1	0	20.08	20.15	19.90
15	QPSK	1	37	20.00	20.04	19.79
15	QPSK	1	74	19.98	20.02	19.74
15	QPSK	36	0	19.22	19.23	19.20
15	QPSK	36	20	19.13	19.18	19.12
15	QPSK	36	39	19.10	19.11	19.16
15	QPSK	75	0	19.06	19.09	19.03
15	16QAM	1	0	19.03	19.08	18.91
15	16QAM	1	37	18.88	19.00	18.85
15	16QAM	1	74	18.81	18.84	18.83
15	16QAM	36	0	18.12	18.19	18.16
15	16QAM	36	20	18.01	18.01	18.09
15	16QAM	36	39	17.95	17.99	17.99
15	16QAM	75	0	18.02	18.08	18.13
15	64QAM	1	0	19.03	19.05	18.91
15	64QAM	1	37	18.90	18.92	18.84
15	64QAM	1	74	18.87	18.82	18.81
15	64QAM	36	0	18.11	18.22	18.19
15	64QAM	36	20	18.06	18.11	18.10
15	64QAM	36	39	18.01	18.05	18.08
15	64QAM	75	0	17.93	17.97	17.99



LTE Band 25						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26090	26365	26640
Frequency (MHz)				1855	1882.5	1910
10	QPSK	1	0	20.06	20.13	19.88
10	QPSK	1	25	19.98	20.02	19.77
10	QPSK	1	49	19.96	20.00	19.72
10	QPSK	25	0	19.20	19.21	19.18
10	QPSK	25	12	19.11	19.16	19.10
10	QPSK	25	25	19.08	19.09	19.14
10	QPSK	50	0	19.04	19.07	19.01
10	16QAM	1	0	19.01	19.06	18.89
10	16QAM	1	25	18.86	18.98	18.83
10	16QAM	1	49	18.79	18.82	18.81
10	16QAM	25	0	18.10	18.21	18.18
10	16QAM	25	12	17.99	18.02	18.08
10	16QAM	25	25	17.96	17.98	18.02
10	16QAM	50	0	18.00	18.06	18.11
10	64QAM	1	0	19.02	19.04	18.91
10	64QAM	1	25	18.89	18.93	18.84
10	64QAM	1	49	18.85	18.81	18.79
10	64QAM	25	0	18.09	18.20	18.17
10	64QAM	25	12	18.04	18.09	18.08
10	64QAM	25	25	17.99	18.03	18.06
10	64QAM	50	0	17.91	17.95	17.97



LTE Band 25						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26065	26365	26665
Frequency (MHz)				1852.5	1882.5	1912.5
5	QPSK	1	0	20.02	20.09	19.84
5	QPSK	1	12	19.94	19.98	19.73
5	QPSK	1	24	19.92	19.96	19.68
5	QPSK	12	0	19.16	19.17	19.14
5	QPSK	12	7	19.07	19.12	19.06
5	QPSK	12	13	19.04	19.05	19.10
5	QPSK	25	0	19.00	19.03	18.97
5	16QAM	1	0	18.97	19.02	18.85
5	16QAM	1	12	18.82	18.94	18.79
5	16QAM	1	24	18.75	18.78	18.77
5	16QAM	12	0	18.05	18.20	18.17
5	16QAM	12	7	17.98	18.00	18.04
5	16QAM	12	13	17.95	17.94	17.98
5	16QAM	25	0	17.96	18.02	18.07
5	64QAM	1	0	19.04	19.05	18.91
5	64QAM	1	12	18.86	18.92	18.82
5	64QAM	1	24	18.85	18.83	18.81
5	64QAM	12	0	18.05	18.16	18.13
5	64QAM	12	7	18.00	18.05	18.04
5	64QAM	12	13	17.95	17.99	18.02
5	64QAM	25	0	17.87	17.91	17.93



LTE Band 25						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26055	26365	26675
Frequency (MHz)				1851.5	1882.5	1913.5
3	QPSK	1	0	19.99	20.06	19.81
3	QPSK	1	8	19.91	19.95	19.70
3	QPSK	1	14	19.89	19.93	19.65
3	QPSK	8	0	19.13	19.14	19.11
3	QPSK	8	4	19.04	19.09	19.03
3	QPSK	8	7	19.01	19.02	19.07
3	QPSK	15	0	18.97	19.00	18.94
3	16QAM	1	0	18.94	18.99	18.82
3	16QAM	1	8	18.79	18.91	18.76
3	16QAM	1	14	18.72	18.75	18.74
3	16QAM	8	0	18.00	18.18	18.13
3	16QAM	8	4	17.95	17.96	18.03
3	16QAM	8	7	17.94	17.91	17.97
3	16QAM	15	0	17.93	17.99	18.04
3	64QAM	1	0	19.03	19.04	18.90
3	64QAM	1	8	18.87	18.93	18.82
3	64QAM	1	14	18.86	18.80	18.79
3	64QAM	8	0	18.02	18.13	18.10
3	64QAM	8	4	17.97	18.02	18.01
3	64QAM	8	7	17.92	17.96	17.99
3	64QAM	15	0	17.84	17.88	17.90



LTE Band 25						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26047	26365	26683
Frequency (MHz)				1850.7	1882.5	1914.3
1.4	QPSK	1	0	19.96	20.03	19.78
1.4	QPSK	1	3	19.88	19.92	19.67
1.4	QPSK	1	5	19.86	19.90	19.62
1.4	QPSK	3	0	19.10	19.11	19.08
1.4	QPSK	3	1	19.01	19.06	19.00
1.4	QPSK	3	3	18.98	18.99	19.04
1.4	QPSK	6	0	18.94	18.97	18.91
1.4	16QAM	1	0	18.91	18.96	18.79
1.4	16QAM	1	3	18.76	18.88	18.73
1.4	16QAM	1	5	18.69	18.72	18.71
1.4	16QAM	3	0	18.00	18.17	18.13
1.4	16QAM	3	1	17.95	17.96	18.02
1.4	16QAM	3	3	17.94	17.90	17.94
1.4	16QAM	6	0	17.90	17.96	18.01
1.4	64QAM	1	0	18.96	19.03	18.85
1.4	64QAM	1	3	18.87	18.90	18.83
1.4	64QAM	1	5	18.81	18.79	18.77
1.4	64QAM	3	0	17.99	18.10	18.07
1.4	64QAM	3	1	17.94	17.99	17.98
1.4	64QAM	3	3	17.89	17.93	17.96
1.4	64QAM	6	0	17.81	17.85	17.87



LTE Band 26						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26865	26915	26965
Frequency (MHz)				831.5	836.5	841.5
15	QPSK	1	0	22.86	22.92	22.84
15	QPSK	1	37	22.81	22.77	22.73
15	QPSK	1	74	22.68	22.65	22.68
15	QPSK	36	0	21.96	22.11	21.93
15	QPSK	36	20	21.86	22.07	21.79
15	QPSK	36	39	21.84	21.94	21.73
15	QPSK	75	0	21.78	21.79	21.63
15	16QAM	1	0	22.39	22.55	22.30
15	16QAM	1	37	22.29	22.41	22.28
15	16QAM	1	74	22.17	22.26	22.13
15	16QAM	36	0	21.15	21.05	20.86
15	16QAM	36	20	21.05	20.93	20.78
15	16QAM	36	39	20.92	20.88	20.74
15	16QAM	75	0	20.87	20.77	20.71
15	64QAM	1	0	22.09	22.53	22.36
15	64QAM	1	37	22.07	22.42	22.21
15	64QAM	1	74	22.03	22.27	22.06
15	64QAM	36	0	21.18	21.03	20.82
15	64QAM	36	20	21.15	20.97	20.80
15	64QAM	36	39	21.06	20.86	20.77
15	64QAM	75	0	20.97	20.71	20.67



LTE Band 26						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26840	26915	26990
Frequency (MHz)				829.0	836.5	844.0
10	QPSK	1	0	22.84	22.84	22.81
10	QPSK	1	25	22.77	22.71	22.70
10	QPSK	1	49	22.61	22.61	22.62
10	QPSK	25	0	21.92	22.08	21.82
10	QPSK	25	12	21.84	22.00	21.76
10	QPSK	25	25	21.80	21.86	21.69
10	QPSK	50	0	21.72	21.73	21.62
10	16QAM	1	0	22.35	22.48	22.22
10	16QAM	1	25	22.23	22.39	22.20
10	16QAM	1	49	22.13	22.21	22.08
10	16QAM	25	0	21.11	20.99	20.81
10	16QAM	25	12	21.03	20.86	20.75
10	16QAM	25	25	20.86	20.81	20.70
10	16QAM	50	0	20.86	20.75	20.64
10	64QAM	1	0	22.02	22.51	22.34
10	64QAM	1	25	22.02	22.34	22.17
10	64QAM	1	49	22.01	22.20	22.02
10	64QAM	25	0	21.12	20.97	20.77
10	64QAM	25	12	21.13	20.94	20.77
10	64QAM	25	25	21.02	20.83	20.76
10	64QAM	50	0	20.94	20.63	20.61



LTE Band 26						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26815	26915	27015
Frequency (MHz)				826.5	836.5	846.5
5	QPSK	1	0	22.77	22.78	22.77
5	QPSK	1	12	22.73	22.66	22.67
5	QPSK	1	24	22.53	22.57	22.57
5	QPSK	12	0	21.89	22.05	21.74
5	QPSK	12	7	21.83	21.94	21.74
5	QPSK	12	13	21.77	21.82	21.65
5	QPSK	25	0	21.69	21.69	21.54
5	16QAM	1	0	22.29	22.46	22.17
5	16QAM	1	12	22.17	22.36	22.13
5	16QAM	1	24	22.12	22.18	22.01
5	16QAM	12	0	21.10	20.98	20.75
5	16QAM	12	7	20.98	20.80	20.73
5	16QAM	12	13	20.79	20.73	20.64
5	16QAM	25	0	20.84	20.69	20.62
5	64QAM	1	0	21.99	22.44	22.26
5	64QAM	1	12	22.00	22.28	22.12
5	64QAM	1	24	21.99	22.13	21.95
5	64QAM	12	0	21.05	20.95	20.74
5	64QAM	12	7	21.06	20.89	20.76
5	64QAM	12	13	20.94	20.82	20.73
5	64QAM	25	0	20.92	20.60	20.54



LTE Band 26						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26805	26915	27025
Frequency (MHz)				825.5	836.5	847.5
3	QPSK	1	0	22.73	22.75	22.74
3	QPSK	1	8	22.66	22.59	22.59
3	QPSK	1	14	22.49	22.51	22.49
3	QPSK	8	0	21.85	22.02	21.70
3	QPSK	8	4	21.76	21.89	21.68
3	QPSK	8	7	21.76	21.75	21.61
3	QPSK	15	0	21.62	21.67	21.49
3	16QAM	1	0	22.22	22.43	22.13
3	16QAM	1	8	22.15	22.34	22.07
3	16QAM	1	14	22.05	22.13	21.98
3	16QAM	8	0	21.06	20.91	20.72
3	16QAM	8	4	20.91	20.73	20.69
3	16QAM	8	7	20.72	20.65	20.56
3	16QAM	15	0	20.82	20.64	20.60
3	64QAM	1	0	21.92	22.42	22.21
3	64QAM	1	8	21.93	22.25	22.10
3	64QAM	1	14	21.98	22.09	21.93
3	64QAM	8	0	20.97	20.93	20.67
3	64QAM	8	4	21.00	20.86	20.74
3	64QAM	8	7	20.87	20.80	20.67
3	64QAM	15	0	20.87	20.54	20.46



LTE Band 26						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26797	26915	27033
Frequency (MHz)				824.7	836.5	848.3
1.4	QPSK	1	0	22.66	22.73	22.72
1.4	QPSK	1	3	22.59	22.54	22.56
1.4	QPSK	1	5	22.44	22.44	22.44
1.4	QPSK	3	0	21.79	21.99	21.63
1.4	QPSK	3	1	21.71	21.83	21.61
1.4	QPSK	3	3	21.69	21.70	21.54
1.4	QPSK	6	0	21.60	21.61	21.43
1.4	16QAM	1	0	22.14	22.37	22.07
1.4	16QAM	1	3	22.14	22.30	22.02
1.4	16QAM	1	5	21.98	22.09	21.96
1.4	16QAM	3	0	21.00	20.88	20.67
1.4	16QAM	3	1	20.83	20.66	20.63
1.4	16QAM	3	3	20.71	20.62	20.50
1.4	16QAM	6	0	20.81	20.63	20.52
1.4	64QAM	1	0	21.86	22.36	22.16
1.4	64QAM	1	3	21.89	22.24	22.07
1.4	64QAM	1	5	21.97	22.02	21.89
1.4	64QAM	3	0	20.96	20.88	20.60
1.4	64QAM	3	1	20.98	20.83	20.67
1.4	64QAM	3	3	20.81	20.75	20.66
1.4	64QAM	6	0	20.85	20.46	20.43



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	21.53	21.56	21.32
20	QPSK	1	49	21.44	21.48	21.28
20	QPSK	1	99	20.66	20.77	20.51
20	QPSK	50	0	20.52	20.64	20.48
20	QPSK	50	24	20.50	20.60	20.50
20	QPSK	50	50	20.42	20.50	20.38
20	QPSK	100	0	20.94	20.83	20.76
20	16QAM	1	0	20.84	20.74	20.65
20	16QAM	1	49	20.80	20.68	20.53
20	16QAM	1	99	19.94	19.71	19.60
20	16QAM	50	0	19.92	19.59	19.59
20	16QAM	50	24	19.90	19.50	19.50
20	16QAM	50	50	19.75	19.36	19.43
20	16QAM	100	0	20.95	20.75	20.67
20	64QAM	1	0	20.92	20.69	20.56
20	64QAM	1	49	20.86	20.54	20.47
20	64QAM	1	99	19.77	19.64	19.53
20	64QAM	50	0	19.65	19.50	19.39
20	64QAM	50	24	19.60	19.37	19.31
20	64QAM	50	50	19.45	19.28	19.23
20	64QAM	100	0	21.53	21.56	21.32



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	21.57	21.67	21.33
15	QPSK	1	37	21.45	21.52	21.25
15	QPSK	1	74	21.41	21.45	21.26
15	QPSK	36	0	20.64	20.73	20.48
15	QPSK	36	20	20.45	20.63	20.34
15	QPSK	36	39	20.46	20.54	20.30
15	QPSK	75	0	20.40	20.47	20.15
15	16QAM	1	0	20.87	20.78	20.70
15	16QAM	1	37	20.82	20.69	20.64
15	16QAM	1	74	20.74	20.64	20.46
15	16QAM	36	0	19.88	19.68	19.56
15	16QAM	36	20	19.89	19.57	19.54
15	16QAM	36	39	19.83	19.43	19.48
15	16QAM	75	0	19.73	19.34	19.40
15	64QAM	1	0	20.94	20.68	20.61
15	64QAM	1	37	20.90	20.63	20.48
15	64QAM	1	74	20.81	20.48	20.43
15	64QAM	36	0	19.74	19.57	19.50
15	64QAM	36	20	19.62	19.42	19.36
15	64QAM	36	39	19.59	19.30	19.27
15	64QAM	75	0	19.44	19.21	19.19



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	21.55	21.60	21.31
10	QPSK	1	25	21.43	21.51	21.19
10	QPSK	1	49	21.33	21.40	21.21
10	QPSK	25	0	20.61	20.67	20.42
10	QPSK	25	12	20.39	20.57	20.29
10	QPSK	25	25	20.43	20.52	20.25
10	QPSK	50	0	20.34	20.40	20.13
10	16QAM	1	0	20.79	20.76	20.63
10	16QAM	1	25	20.75	20.65	20.59
10	16QAM	1	49	20.71	20.63	20.40
10	16QAM	25	0	19.85	19.64	19.52
10	16QAM	25	12	19.81	19.55	19.52
10	16QAM	25	25	19.75	19.40	19.42
10	16QAM	50	0	20.89	20.62	20.56
10	64QAM	1	0	20.89	20.57	20.41
10	64QAM	1	25	20.77	20.43	20.39
10	64QAM	1	49	19.72	19.50	19.43
10	64QAM	25	0	19.59	19.37	19.30
10	64QAM	25	12	19.55	19.23	19.20
10	64QAM	25	25	19.36	19.15	19.13
10	64QAM	50	0	21.55	21.60	21.31



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	21.50	21.55	21.24
5	QPSK	1	12	21.37	21.49	21.14
5	QPSK	1	24	21.27	21.34	21.14
5	QPSK	12	0	20.55	20.60	20.36
5	QPSK	12	7	20.32	20.55	20.27
5	QPSK	12	13	20.35	20.49	20.24
5	QPSK	25	0	20.31	20.34	20.06
5	16QAM	1	0	20.72	20.72	20.58
5	16QAM	1	12	20.73	20.62	20.56
5	16QAM	1	24	20.68	20.60	20.39
5	16QAM	12	0	19.82	19.57	19.47
5	16QAM	12	7	19.78	19.50	19.51
5	16QAM	12	13	19.68	19.36	19.39
5	16QAM	25	0	19.64	19.26	19.32
5	64QAM	1	0	20.83	20.59	20.50
5	64QAM	1	12	20.86	20.55	20.37
5	64QAM	1	24	20.75	20.38	20.35
5	64QAM	12	0	19.68	19.46	19.41
5	64QAM	12	7	19.52	19.32	19.27
5	64QAM	12	13	19.54	19.21	19.14
5	64QAM	25	0	19.33	19.09	19.08



LTE Band 40, Block A						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				/	38750	/
Frequency (MHz)				/	2310	/
10	QPSK	1	0	/	21.93	/
10	QPSK	1	25	/	21.83	/
10	QPSK	1	49	/	21.72	/
10	QPSK	25	0	/	20.93	/
10	QPSK	25	12	/	20.84	/
10	QPSK	25	25	/	20.78	/
10	QPSK	50	0	/	20.78	/
10	16QAM	1	0	/	21.04	/
10	16QAM	1	25	/	20.89	/
10	16QAM	1	49	/	20.82	/
10	16QAM	25	0	/	19.97	/
10	16QAM	25	12	/	19.83	/
10	16QAM	25	25	/	19.77	/
10	16QAM	50	0	/	19.62	/
10	64QAM	1	0	/	20.99	/
10	64QAM	1	25	/	20.84	/
10	64QAM	1	49	/	20.71	/
10	64QAM	25	0	/	19.91	/
10	64QAM	25	12	/	19.82	/
10	64QAM	25	25	/	19.75	/
10	64QAM	50	0	/	19.72	/



LTE Band 40, Block A						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				38725	38750	38775
Frequency (MHz)				2307.5	2310	2312.5
5	QPSK	1	0	21.67	21.88	21.75
5	QPSK	1	12	21.52	21.75	21.60
5	QPSK	1	24	21.53	21.68	21.58
5	QPSK	12	0	20.75	20.89	20.81
5	QPSK	12	7	20.59	20.77	20.64
5	QPSK	12	13	20.54	20.71	20.65
5	QPSK	25	0	20.56	20.76	20.55
5	16QAM	1	0	20.76	21.00	20.89
5	16QAM	1	12	20.57	20.85	20.60
5	16QAM	1	24	20.50	20.78	20.61
5	16QAM	12	0	19.67	19.91	19.77
5	16QAM	12	7	19.63	19.83	19.65
5	16QAM	12	13	19.57	19.68	19.60
5	16QAM	25	0	19.36	19.57	19.39
5	64QAM	1	0	20.70	20.93	20.78
5	64QAM	1	12	20.52	20.76	20.63
5	64QAM	1	24	20.51	20.69	20.58
5	64QAM	12	0	19.65	19.88	19.74
5	64QAM	12	7	19.61	19.74	19.66
5	64QAM	12	13	19.49	19.64	19.50
5	64QAM	25	0	19.53	19.63	19.55



LTE Band 40, Block B						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				/	39200	/
Frequency (MHz)				/	2355	/
10	QPSK	1	0	/	22.21	/
10	QPSK	1	25	/	22.07	/
10	QPSK	1	49	/	22.06	/
10	QPSK	25	0	/	21.29	/
10	QPSK	25	12	/	21.26	/
10	QPSK	25	25	/	21.20	/
10	QPSK	50	0	/	21.08	/
10	16QAM	1	0	/	21.50	/
10	16QAM	1	25	/	21.36	/
10	16QAM	1	49	/	21.23	/
10	16QAM	25	0	/	20.43	/
10	16QAM	25	12	/	20.41	/
10	16QAM	25	25	/	20.31	/
10	16QAM	50	0	/	20.28	/
10	64QAM	1	0	/	21.35	/
10	64QAM	1	25	/	21.24	/
10	64QAM	1	49	/	21.16	/
10	64QAM	25	0	/	20.36	/
10	64QAM	25	12	/	20.21	/
10	64QAM	25	25	/	20.08	/
10	64QAM	50	0	/	19.94	/



LTE Band 40, Block B						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39175	39200	39225
Frequency (MHz)				2352.5	2355	2357.5
5	QPSK	1	0	22.11	22.14	21.96
5	QPSK	1	12	21.98	22.00	21.93
5	QPSK	1	24	21.95	22.00	21.94
5	QPSK	12	0	21.22	21.25	21.06
5	QPSK	12	7	21.17	21.24	21.13
5	QPSK	12	13	21.11	21.12	21.02
5	QPSK	25	0	20.91	21.00	20.93
5	16QAM	1	0	21.31	21.46	21.34
5	16QAM	1	12	21.18	21.33	21.21
5	16QAM	1	24	21.06	21.21	21.02
5	16QAM	12	0	20.27	20.39	20.29
5	16QAM	12	7	20.29	20.38	20.17
5	16QAM	12	13	20.20	20.25	20.11
5	16QAM	25	0	20.12	20.20	20.14
5	64QAM	1	0	21.15	21.34	21.14
5	64QAM	1	12	21.12	21.19	21.11
5	64QAM	1	24	21.02	21.12	20.87
5	64QAM	12	0	20.25	20.32	20.19
5	64QAM	12	7	20.08	20.20	20.04
5	64QAM	12	13	19.98	20.04	19.90
5	64QAM	25	0	19.80	19.91	19.68



LTE Band 41						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39750	40620	41490
Frequency (MHz)				2506	2593	2680
20	QPSK	1	0	22.36	22.47	22.86
20	QPSK	1	49	22.21	22.34	22.69
20	QPSK	1	99	22.06	22.12	22.43
20	QPSK	50	0	20.36	20.19	20.38
20	QPSK	50	24	20.35	20.08	20.11
20	QPSK	50	50	20.35	20.01	20.09
20	QPSK	100	0	20.32	20.15	20.39
20	16QAM	1	0	20.78	20.15	20.89
20	16QAM	1	49	20.69	20.09	20.78
20	16QAM	1	99	20.53	20.03	20.73
20	16QAM	50	0	19.58	19.27	19.93
20	16QAM	50	24	19.54	19.21	19.84
20	16QAM	50	50	19.38	19.16	19.77
20	16QAM	100	0	19.54	19.23	19.83
20	64QAM	1	0	20.64	20.13	20.73
20	64QAM	1	49	20.59	20.09	20.69
20	64QAM	1	99	20.54	20.04	20.53
20	64QAM	50	0	19.64	19.36	19.89
20	64QAM	50	24	19.52	19.17	19.81
20	64QAM	50	50	19.37	19.14	19.70
20	64QAM	100	0	19.58	19.34	19.88



LTE Band 41						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39725	40620	41515
Frequency (MHz)				2503.5	2593	2682.5
15	QPSK	1	0	22.34	22.45	22.84
15	QPSK	1	37	22.19	22.32	22.67
15	QPSK	1	74	22.04	22.10	22.41
15	QPSK	36	0	20.34	20.17	20.36
15	QPSK	36	20	20.33	20.06	20.09
15	QPSK	36	39	20.33	19.99	20.07
15	QPSK	75	0	20.30	20.13	20.37
15	16QAM	1	0	20.76	20.13	20.87
15	16QAM	1	37	20.67	20.07	20.76
15	16QAM	1	74	20.51	20.01	20.71
15	16QAM	36	0	19.56	19.25	19.91
15	16QAM	36	20	19.52	19.19	19.82
15	16QAM	36	39	19.36	19.14	19.75
15	16QAM	75	0	19.52	19.21	19.81
15	64QAM	1	0	20.62	20.11	20.71
15	64QAM	1	37	20.57	20.07	20.67
15	64QAM	1	74	20.52	20.02	20.51
15	64QAM	36	0	19.62	19.34	19.87
15	64QAM	36	20	19.50	19.15	19.79
15	64QAM	36	39	19.35	19.12	19.68
15	64QAM	75	0	19.56	19.32	19.86



LTE Band 41						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39700	40620	41540
Frequency (MHz)				2501	2593	2685
10	QPSK	1	0	22.31	22.42	22.81
10	QPSK	1	25	22.16	22.29	22.64
10	QPSK	1	49	22.01	22.07	22.38
10	QPSK	25	0	20.31	20.14	20.33
10	QPSK	25	12	20.30	20.03	20.06
10	QPSK	25	25	20.30	19.96	20.04
10	QPSK	50	0	20.27	20.10	20.34
10	16QAM	1	0	20.73	20.10	20.84
10	16QAM	1	25	20.64	20.04	20.73
10	16QAM	1	49	20.48	19.98	20.68
10	16QAM	25	0	19.53	19.22	19.88
10	16QAM	25	12	19.49	19.16	19.79
10	16QAM	25	25	19.33	19.11	19.72
10	16QAM	50	0	20.59	20.08	20.68
10	64QAM	1	0	20.54	20.04	20.64
10	64QAM	1	25	20.49	19.99	20.48
10	64QAM	1	49	19.59	19.31	19.84
10	64QAM	25	0	19.47	19.12	19.76
10	64QAM	25	12	19.32	19.09	19.65
10	64QAM	25	25	19.53	19.29	19.83
10	64QAM	50	0	22.31	22.42	22.81



LTE Band 41						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39675	40620	41565
Frequency (MHz)				2498.5	2593	2687.5
5	QPSK	1	0	22.29	22.40	22.79
5	QPSK	1	12	22.14	22.27	22.62
5	QPSK	1	24	21.99	22.05	22.36
5	QPSK	12	0	20.29	20.12	20.31
5	QPSK	12	7	20.28	20.01	20.04
5	QPSK	12	13	20.28	19.94	20.02
5	QPSK	25	0	20.25	20.08	20.32
5	16QAM	1	0	20.71	20.08	20.82
5	16QAM	1	12	20.62	20.02	20.71
5	16QAM	1	24	20.46	19.96	20.66
5	16QAM	12	0	19.51	19.20	19.86
5	16QAM	12	7	19.47	19.14	19.77
5	16QAM	12	13	19.31	19.09	19.70
5	16QAM	25	0	19.47	19.16	19.76
5	64QAM	1	0	20.57	20.06	20.66
5	64QAM	1	12	20.52	20.02	20.62
5	64QAM	1	24	20.47	19.97	20.46
5	64QAM	12	0	19.57	19.29	19.82
5	64QAM	12	7	19.45	19.10	19.74
5	64QAM	12	13	19.30	19.07	19.63
5	64QAM	25	0	19.51	19.27	19.81



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	19.93	19.94	19.82
20	QPSK	1	49	19.77	19.82	19.77
20	QPSK	1	99	19.75	19.68	19.62
20	QPSK	50	0	18.70	18.78	18.68
20	QPSK	50	24	18.62	18.68	18.65
20	QPSK	50	50	18.48	18.64	18.56
20	QPSK	100	0	18.44	18.55	18.52
20	16QAM	1	0	19.31	19.36	19.31
20	16QAM	1	49	19.28	19.26	19.26
20	16QAM	1	99	19.25	19.14	19.13
20	16QAM	50	0	18.18	18.31	18.12
20	16QAM	50	24	18.13	18.22	18.10
20	16QAM	50	50	18.10	18.16	18.08
20	16QAM	100	0	18.02	18.08	18.05
20	64QAM	1	0	19.17	19.26	19.22
20	64QAM	1	49	19.11	19.22	19.20
20	64QAM	1	99	19.14	19.17	19.13
20	64QAM	50	0	17.93	17.95	17.91
20	64QAM	50	24	17.87	17.79	17.75
20	64QAM	50	50	17.78	17.74	17.69
20	64QAM	100	0	17.73	17.61	17.64



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	19.77	19.90	19.78
15	QPSK	1	37	19.74	19.77	19.71
15	QPSK	1	74	19.70	19.65	19.58
15	QPSK	36	0	18.65	18.75	18.63
15	QPSK	36	20	18.60	18.66	18.63
15	QPSK	36	39	18.46	18.62	18.54
15	QPSK	75	0	18.40	18.54	18.48
15	16QAM	1	0	19.29	19.35	19.25
15	16QAM	1	37	19.26	19.22	19.24
15	16QAM	1	74	19.21	19.09	19.09
15	16QAM	36	0	17.99	18.15	17.92
15	16QAM	36	20	17.97	18.04	17.91
15	16QAM	36	39	17.91	17.95	17.91
15	16QAM	75	0	17.86	17.91	17.88
15	64QAM	1	0	19.13	19.23	19.17
15	64QAM	1	37	19.07	19.20	19.17
15	64QAM	1	74	19.12	19.13	19.11
15	64QAM	36	0	17.90	17.86	17.85
15	64QAM	36	20	17.85	17.74	17.71
15	64QAM	36	39	17.75	17.68	17.64
15	64QAM	75	0	17.72	17.59	17.60



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	19.79	19.87	19.79
10	QPSK	1	25	19.74	19.79	19.73
10	QPSK	1	49	19.72	19.63	19.56
10	QPSK	25	0	18.66	18.75	18.65
10	QPSK	25	12	18.60	18.64	18.61
10	QPSK	25	25	18.46	18.63	18.50
10	QPSK	50	0	18.39	18.57	18.48
10	16QAM	1	0	19.28	19.31	19.26
10	16QAM	1	25	19.25	19.24	19.23
10	16QAM	1	49	19.23	19.09	19.08
10	16QAM	25	0	18.00	18.12	17.93
10	16QAM	25	12	17.94	18.06	17.91
10	16QAM	25	25	17.91	18.00	17.91
10	16QAM	50	0	17.86	17.90	17.87
10	64QAM	1	0	19.16	19.23	19.21
10	64QAM	1	25	19.08	19.19	19.18
10	64QAM	1	49	19.10	19.15	19.10
10	64QAM	25	0	17.89	17.91	17.87
10	64QAM	25	12	17.84	17.73	17.74
10	64QAM	25	25	17.73	17.71	17.64
10	64QAM	50	0	17.69	17.56	17.58



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	19.77	19.83	19.78
5	QPSK	1	12	19.69	19.75	19.71
5	QPSK	1	24	19.70	19.60	19.50
5	QPSK	12	0	18.61	18.71	18.63
5	QPSK	12	7	18.58	18.58	18.60
5	QPSK	12	13	18.41	18.60	18.48
5	QPSK	25	0	18.34	18.53	18.44
5	16QAM	1	0	19.24	19.28	19.22
5	16QAM	1	12	19.22	19.19	19.21
5	16QAM	1	24	19.18	19.04	19.04
5	16QAM	12	0	17.94	18.07	17.91
5	16QAM	12	7	17.89	18.05	17.89
5	16QAM	12	13	17.89	17.94	17.88
5	16QAM	25	0	17.81	17.88	17.81
5	64QAM	1	0	19.16	19.23	19.19
5	64QAM	1	12	19.06	19.18	19.19
5	64QAM	1	24	19.12	19.13	19.08
5	64QAM	12	0	17.84	17.89	17.84
5	64QAM	12	7	17.80	17.69	17.71
5	64QAM	12	13	17.71	17.69	17.62
5	64QAM	25	0	17.65	17.54	17.54



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	19.75	19.78	19.76
3	QPSK	1	8	19.65	19.73	19.66
3	QPSK	1	14	19.66	19.55	19.45
3	QPSK	8	0	18.58	18.69	18.59
3	QPSK	8	4	18.56	18.55	18.57
3	QPSK	8	7	18.38	18.59	18.44
3	QPSK	15	0	18.30	18.50	18.42
3	16QAM	1	0	19.19	19.25	19.19
3	16QAM	1	8	19.17	19.16	19.19
3	16QAM	1	14	19.15	19.01	19.02
3	16QAM	8	0	17.89	18.02	17.87
3	16QAM	8	4	17.87	18.04	17.87
3	16QAM	8	7	17.87	17.93	17.84
3	16QAM	15	0	17.79	17.84	17.75
3	64QAM	1	0	19.14	19.24	19.17
3	64QAM	1	8	19.07	19.19	19.18
3	64QAM	1	14	19.09	19.13	19.09
3	64QAM	8	0	17.81	17.87	17.81
3	64QAM	8	4	17.78	17.68	17.68
3	64QAM	8	7	17.65	17.66	17.59
3	64QAM	15	0	17.63	17.50	17.51



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	19.75	19.81	19.76
1.4	QPSK	1	3	19.64	19.71	19.68
1.4	QPSK	1	5	19.66	19.57	19.48
1.4	QPSK	3	0	18.58	18.68	18.59
1.4	QPSK	3	1	18.57	18.56	18.55
1.4	QPSK	3	3	18.40	18.57	18.44
1.4	QPSK	6	0	18.28	18.50	18.40
1.4	16QAM	1	0	19.22	19.24	19.17
1.4	16QAM	1	3	19.20	19.14	19.18
1.4	16QAM	1	5	19.16	19.00	19.00
1.4	16QAM	3	0	17.90	18.06	17.88
1.4	16QAM	3	1	17.86	18.01	17.84
1.4	16QAM	3	3	17.83	17.93	17.85
1.4	16QAM	6	0	17.78	17.84	17.79
1.4	64QAM	1	0	19.10	19.23	19.13
1.4	64QAM	1	3	19.06	19.15	19.15
1.4	64QAM	1	5	19.07	19.11	19.07
1.4	64QAM	3	0	17.82	17.85	17.83
1.4	64QAM	3	1	17.74	17.67	17.68
1.4	64QAM	3	3	17.69	17.66	17.56
1.4	64QAM	6	0	17.61	17.50	17.50



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	20.14	20.18	20.02
20	QPSK	1	49	20.02	20.10	19.91
20	QPSK	1	99	19.88	20.02	19.80
20	QPSK	50	0	19.01	19.07	18.96
20	QPSK	50	24	18.90	19.02	18.83
20	QPSK	50	50	18.82	18.90	18.74
20	QPSK	100	0	18.73	18.79	18.64
20	16QAM	1	0	19.31	19.33	19.48
20	16QAM	1	49	19.27	19.19	19.44
20	16QAM	1	99	19.23	19.16	19.42
20	16QAM	50	0	18.12	18.15	18.10
20	16QAM	50	24	18.02	18.07	18.07
20	16QAM	50	50	17.97	17.95	17.94
20	16QAM	100	0	17.83	17.85	17.85
20	64QAM	1	0	19.24	19.13	19.33
20	64QAM	1	49	19.15	19.09	19.32
20	64QAM	1	99	19.06	19.01	19.30
20	64QAM	50	0	18.07	18.09	18.11
20	64QAM	50	24	17.97	18.07	17.98
20	64QAM	50	50	17.89	17.96	17.90
20	64QAM	100	0	17.84	17.85	17.83



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)				670.5	680.5	690.5
15	QPSK	1	0	20.06	20.11	19.96
15	QPSK	1	37	19.95	20.04	19.89
15	QPSK	1	74	19.81	19.99	19.75
15	QPSK	36	0	18.99	19.04	18.88
15	QPSK	36	20	18.83	18.96	18.80
15	QPSK	36	39	18.74	18.89	18.73
15	QPSK	75	0	18.69	18.74	18.58
15	16QAM	1	0	19.24	19.25	19.41
15	16QAM	1	37	19.21	19.15	19.38
15	16QAM	1	74	19.15	19.14	19.40
15	16QAM	36	0	18.11	18.12	18.06
15	16QAM	36	20	18.01	18.03	18.06
15	16QAM	36	39	17.92	17.88	17.89
15	16QAM	75	0	17.82	17.78	17.84
15	64QAM	1	0	19.18	19.12	19.27
15	64QAM	1	37	19.11	19.01	19.27
15	64QAM	1	74	19.02	19.00	19.25
15	64QAM	36	0	18.05	18.02	18.10
15	64QAM	36	20	17.94	18.02	17.96
15	64QAM	36	39	17.85	17.91	17.83
15	64QAM	75	0	17.78	17.81	17.80



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	20.00	20.09	19.91
10	QPSK	1	25	19.88	20.00	19.85
10	QPSK	1	49	19.73	19.97	19.73
10	QPSK	25	0	18.94	18.97	18.85
10	QPSK	25	12	18.76	18.95	18.74
10	QPSK	25	25	18.73	18.87	18.69
10	QPSK	50	0	18.68	18.72	18.51
10	16QAM	1	0	19.21	19.20	19.34
10	16QAM	1	25	19.17	19.08	19.33
10	16QAM	1	49	19.13	19.10	19.32
10	16QAM	25	0	18.07	18.07	18.02
10	16QAM	25	12	17.99	18.01	18.03
10	16QAM	25	25	17.85	17.81	17.86
10	16QAM	50	0	17.80	17.71	17.79
10	64QAM	1	0	19.11	19.06	19.26
10	64QAM	1	25	19.09	18.96	19.26
10	64QAM	1	49	18.98	18.93	19.20
10	64QAM	25	0	18.02	17.94	18.08
10	64QAM	25	12	17.92	18.00	17.93
10	64QAM	25	25	17.83	17.86	17.79
10	64QAM	50	0	17.72	17.77	17.73



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	19.97	20.03	19.88
5	QPSK	1	12	19.81	19.96	19.81
5	QPSK	1	24	19.68	19.96	19.67
5	QPSK	12	0	18.93	18.93	18.83
5	QPSK	12	7	18.70	18.92	18.69
5	QPSK	12	13	18.66	18.83	18.67
5	QPSK	25	0	18.63	18.72	18.48
5	16QAM	1	0	19.19	19.19	19.28
5	16QAM	1	12	19.13	19.02	19.30
5	16QAM	1	24	19.08	19.08	19.29
5	16QAM	12	0	18.04	18.03	17.95
5	16QAM	12	7	17.97	17.96	17.99
5	16QAM	12	13	17.81	17.75	17.80
5	16QAM	25	0	17.73	17.64	17.73
5	64QAM	1	0	19.08	19.04	19.26
5	64QAM	1	12	19.07	18.94	19.21
5	64QAM	1	24	18.96	18.87	19.15
5	64QAM	12	0	17.99	17.89	18.02
5	64QAM	12	7	17.88	17.94	17.89
5	64QAM	12	13	17.80	17.85	17.73
5	64QAM	25	0	17.67	17.71	17.71



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	17.63	0.058	17.66	0.058	17.60	0.058
20	QPSK	1	49	17.60	0.058	17.53	0.057	17.51	0.056
20	QPSK	1	99	17.43	0.055	17.49	0.056	17.48	0.056
20	QPSK	50	0	16.61	0.046	16.75	0.047	16.60	0.046
20	QPSK	50	24	16.55	0.045	16.57	0.045	16.50	0.045
20	QPSK	50	50	16.53	0.045	16.56	0.045	16.47	0.044
20	QPSK	100	0	16.35	0.043	16.42	0.044	16.40	0.044
20	16QAM	1	0	16.55	0.045	16.60	0.046	16.41	0.044
20	16QAM	1	49	16.54	0.045	16.53	0.045	16.31	0.043
20	16QAM	1	99	16.37	0.043	16.37	0.043	16.23	0.042
20	16QAM	50	0	15.99	0.040	16.00	0.040	15.78	0.038
20	16QAM	50	24	15.89	0.039	15.95	0.039	15.88	0.039
20	16QAM	50	50	15.80	0.038	15.79	0.038	15.83	0.038
20	16QAM	100	0	15.71	0.037	15.74	0.037	15.78	0.038
20	64QAM	1	0	16.27	0.042	16.28	0.042	16.18	0.041
20	64QAM	1	49	16.28	0.042	16.18	0.041	16.26	0.042
20	64QAM	1	99	16.18	0.041	16.27	0.042	16.21	0.042
20	64QAM	50	0	15.68	0.037	15.81	0.038	15.71	0.037
20	64QAM	50	24	15.62	0.036	15.76	0.038	15.51	0.036
20	64QAM	50	50	15.51	0.036	15.65	0.037	15.39	0.035
20	64QAM	100	0	15.49	0.035	15.46	0.035	15.35	0.034



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	17.59	0.057	17.64	0.058	17.57	0.057
15	QPSK	1	37	17.56	0.057	17.51	0.056	17.48	0.056
15	QPSK	1	74	17.40	0.055	17.47	0.056	17.43	0.055
15	QPSK	36	0	16.58	0.045	16.74	0.047	16.58	0.045
15	QPSK	36	20	16.50	0.045	16.53	0.045	16.49	0.045
15	QPSK	36	39	16.49	0.045	16.51	0.045	16.44	0.044
15	QPSK	75	0	16.34	0.043	16.39	0.044	16.36	0.043
15	16QAM	1	0	16.51	0.045	16.57	0.045	16.37	0.043
15	16QAM	1	37	16.50	0.045	16.51	0.045	16.28	0.042
15	16QAM	1	74	16.34	0.043	16.33	0.043	16.19	0.042
15	16QAM	36	0	15.95	0.039	15.99	0.040	15.75	0.038
15	16QAM	36	20	15.87	0.039	15.92	0.039	15.86	0.039
15	16QAM	36	39	15.78	0.038	15.76	0.038	15.82	0.038
15	16QAM	75	0	15.67	0.037	15.72	0.037	15.73	0.037
15	64QAM	1	0	16.22	0.042	16.24	0.042	16.14	0.041
15	64QAM	1	37	16.25	0.042	16.17	0.041	16.23	0.042
15	64QAM	1	74	16.15	0.041	16.25	0.042	16.18	0.041
15	64QAM	36	0	15.65	0.037	15.77	0.038	15.69	0.037
15	64QAM	36	20	15.59	0.036	15.74	0.037	15.47	0.035
15	64QAM	36	39	15.47	0.035	15.61	0.036	15.35	0.034
15	64QAM	75	0	15.45	0.035	15.41	0.035	15.31	0.034



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	17.55	0.057	17.61	0.058	17.54	0.057
10	QPSK	1	25	17.54	0.057	17.48	0.056	17.45	0.056
10	QPSK	1	49	17.36	0.054	17.44	0.055	17.39	0.055
10	QPSK	25	0	16.57	0.045	16.70	0.047	16.57	0.045
10	QPSK	25	12	16.45	0.044	16.50	0.045	16.48	0.044
10	QPSK	25	25	16.47	0.044	16.47	0.044	16.41	0.044
10	QPSK	50	0	16.31	0.043	16.35	0.043	16.31	0.043
10	16QAM	1	0	16.46	0.044	16.56	0.045	16.33	0.043
10	16QAM	1	25	16.46	0.044	16.48	0.044	16.24	0.042
10	16QAM	1	49	16.31	0.043	16.30	0.043	16.16	0.041
10	16QAM	25	0	15.93	0.039	15.97	0.040	15.74	0.037
10	16QAM	25	12	15.85	0.038	15.89	0.039	15.83	0.038
10	16QAM	25	25	15.75	0.038	15.71	0.037	15.80	0.038
10	16QAM	50	0	15.64	0.037	15.70	0.037	15.68	0.037
10	64QAM	1	0	16.21	0.042	16.22	0.042	16.12	0.041
10	64QAM	1	25	16.23	0.042	16.14	0.041	16.19	0.042
10	64QAM	1	49	16.13	0.041	16.22	0.042	16.14	0.041
10	64QAM	25	0	15.62	0.036	15.73	0.037	15.64	0.037
10	64QAM	25	12	15.56	0.036	15.71	0.037	15.43	0.035
10	64QAM	25	25	15.45	0.035	15.59	0.036	15.32	0.034
10	64QAM	50	0	15.43	0.035	15.37	0.034	15.29	0.034



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	17.56	0.057	17.62	0.058	17.55	0.057
5	QPSK	1	12	17.51	0.056	17.49	0.056	17.44	0.055
5	QPSK	1	24	17.38	0.055	17.42	0.055	17.41	0.055
5	QPSK	12	0	16.55	0.045	16.72	0.047	16.56	0.045
5	QPSK	12	7	16.48	0.044	16.51	0.045	16.46	0.044
5	QPSK	12	13	16.45	0.044	16.47	0.044	16.39	0.044
5	QPSK	25	0	16.33	0.043	16.37	0.043	16.32	0.043
5	16QAM	1	0	16.49	0.045	16.55	0.045	16.33	0.043
5	16QAM	1	12	16.48	0.044	16.48	0.044	16.26	0.042
5	16QAM	1	24	16.31	0.043	16.31	0.043	16.14	0.041
5	16QAM	12	0	15.91	0.039	15.94	0.039	15.74	0.037
5	16QAM	12	7	15.83	0.038	15.89	0.039	15.81	0.038
5	16QAM	12	13	15.74	0.037	15.74	0.037	15.78	0.038
5	16QAM	25	0	15.65	0.037	15.69	0.037	15.70	0.037
5	64QAM	1	0	16.18	0.041	16.23	0.042	16.12	0.041
5	64QAM	1	12	16.23	0.042	16.13	0.041	16.20	0.042
5	64QAM	1	24	16.13	0.041	16.23	0.042	16.14	0.041
5	64QAM	12	0	15.62	0.036	15.73	0.037	15.67	0.037
5	64QAM	12	7	15.55	0.036	15.70	0.037	15.45	0.035
5	64QAM	12	13	15.43	0.035	15.60	0.036	15.33	0.034
5	64QAM	25	0	15.42	0.035	15.36	0.034	15.26	0.034



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	17.55	0.057	17.56	0.057	17.50	0.056
3	QPSK	1	8	17.52	0.056	17.47	0.056	17.43	0.055
3	QPSK	1	14	17.35	0.054	17.40	0.055	17.39	0.055
3	QPSK	8	0	16.52	0.045	16.72	0.047	16.48	0.044
3	QPSK	8	4	16.42	0.044	16.47	0.044	16.44	0.044
3	QPSK	8	7	16.41	0.044	16.47	0.044	16.40	0.044
3	QPSK	15	0	16.29	0.043	16.35	0.043	16.31	0.043
3	16QAM	1	0	16.43	0.044	16.53	0.045	16.31	0.043
3	16QAM	1	8	16.44	0.044	16.46	0.044	16.22	0.042
3	16QAM	1	14	16.26	0.042	16.27	0.042	16.13	0.041
3	16QAM	8	0	15.91	0.039	15.91	0.039	15.71	0.037
3	16QAM	8	4	15.83	0.038	15.87	0.039	15.80	0.038
3	16QAM	8	7	15.74	0.037	15.69	0.037	15.75	0.038
3	16QAM	15	0	15.60	0.036	15.63	0.037	15.68	0.037
3	64QAM	1	0	16.17	0.041	16.20	0.042	16.07	0.040
3	64QAM	1	8	16.19	0.042	16.12	0.041	16.15	0.041
3	64QAM	1	14	16.09	0.041	16.18	0.041	16.12	0.041
3	64QAM	8	0	15.58	0.036	15.72	0.037	15.60	0.036
3	64QAM	8	4	15.51	0.036	15.69	0.037	15.41	0.035
3	64QAM	8	7	15.44	0.035	15.53	0.036	15.30	0.034
3	64QAM	15	0	15.40	0.035	15.38	0.035	15.25	0.033



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	17.50	0.056	17.57	0.057	17.48	0.056
1.4	QPSK	1	3	17.47	0.056	17.40	0.055	17.40	0.055
1.4	QPSK	1	5	17.28	0.053	17.39	0.055	17.34	0.054
1.4	QPSK	3	0	16.48	0.044	16.69	0.047	16.49	0.045
1.4	QPSK	3	1	16.39	0.044	16.43	0.044	16.44	0.044
1.4	QPSK	3	3	16.39	0.044	16.42	0.044	16.40	0.044
1.4	QPSK	6	0	16.27	0.042	16.29	0.043	16.25	0.042
1.4	16QAM	1	0	16.42	0.044	16.49	0.045	16.28	0.042
1.4	16QAM	1	3	16.40	0.044	16.39	0.044	16.17	0.041
1.4	16QAM	1	5	16.25	0.042	16.26	0.042	16.09	0.041
1.4	16QAM	3	0	15.90	0.039	15.91	0.039	15.65	0.037
1.4	16QAM	3	1	15.78	0.038	15.85	0.038	15.78	0.038
1.4	16QAM	3	3	15.73	0.037	15.65	0.037	15.74	0.037
1.4	16QAM	6	0	15.59	0.036	15.61	0.036	15.64	0.037
1.4	64QAM	1	0	16.14	0.041	16.15	0.041	16.08	0.041
1.4	64QAM	1	3	16.16	0.041	16.08	0.041	16.12	0.041
1.4	64QAM	1	5	16.09	0.041	16.16	0.041	16.12	0.041
1.4	64QAM	3	0	15.56	0.036	15.71	0.037	15.58	0.036
1.4	64QAM	3	1	15.53	0.036	15.65	0.037	15.39	0.035
1.4	64QAM	3	3	15.39	0.035	15.51	0.036	15.25	0.033
1.4	64QAM	6	0	15.39	0.035	15.31	0.034	15.24	0.033



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	19.67	0.093	19.73	0.094	19.66	0.092
20	QPSK	1	49	19.56	0.090	19.70	0.093	18.64	0.073
20	QPSK	1	99	19.52	0.090	19.58	0.091	19.50	0.089
20	QPSK	50	0	18.79	0.076	18.86	0.077	18.74	0.075
20	QPSK	50	24	18.64	0.073	18.83	0.076	18.66	0.073
20	QPSK	50	50	18.53	0.071	18.71	0.074	18.55	0.072
20	QPSK	100	0	18.36	0.069	18.49	0.071	18.39	0.069
20	16QAM	1	0	18.87	0.077	18.89	0.077	18.85	0.077
20	16QAM	1	49	18.83	0.076	18.81	0.076	18.81	0.076
20	16QAM	1	99	18.80	0.076	18.69	0.074	18.68	0.074
20	16QAM	50	0	17.80	0.060	17.98	0.063	17.74	0.059
20	16QAM	50	24	17.77	0.060	17.84	0.061	17.62	0.058
20	16QAM	50	50	17.75	0.060	17.73	0.059	17.57	0.057
20	16QAM	100	0	17.64	0.058	17.70	0.059	17.44	0.055
20	64QAM	1	0	18.74	0.075	18.77	0.075	18.74	0.075
20	64QAM	1	49	18.68	0.074	18.69	0.074	18.68	0.074
20	64QAM	1	99	18.63	0.073	18.67	0.074	18.65	0.073
20	64QAM	50	0	17.85	0.061	17.81	0.060	17.71	0.059
20	64QAM	50	24	17.79	0.060	17.71	0.059	17.67	0.058
20	64QAM	50	50	17.70	0.059	17.66	0.058	17.61	0.058
20	64QAM	100	0	17.65	0.058	17.53	0.057	17.46	0.056



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	19.63	0.092	19.71	0.094	19.62	0.092
15	QPSK	1	37	19.54	0.090	19.68	0.093	18.61	0.073
15	QPSK	1	74	19.49	0.089	19.53	0.090	19.46	0.088
15	QPSK	36	0	18.75	0.075	18.84	0.077	18.72	0.074
15	QPSK	36	20	18.61	0.073	18.82	0.076	18.65	0.073
15	QPSK	36	39	18.50	0.071	18.68	0.074	18.53	0.071
15	QPSK	75	0	18.31	0.068	18.47	0.070	18.37	0.069
15	16QAM	1	0	18.83	0.076	18.86	0.077	18.81	0.076
15	16QAM	1	37	18.79	0.076	18.76	0.075	18.78	0.076
15	16QAM	1	74	18.76	0.075	18.65	0.073	18.64	0.073
15	16QAM	36	0	17.77	0.060	17.93	0.062	17.73	0.059
15	16QAM	36	20	17.72	0.059	17.83	0.061	17.61	0.058
15	16QAM	36	39	17.71	0.059	17.71	0.059	17.52	0.056
15	16QAM	75	0	17.62	0.058	17.67	0.058	17.41	0.055
15	64QAM	1	0	18.72	0.074	18.73	0.075	18.70	0.074
15	64QAM	1	37	18.65	0.073	18.67	0.074	18.64	0.073
15	64QAM	1	74	18.61	0.073	18.66	0.073	18.62	0.073
15	64QAM	36	0	17.82	0.061	17.78	0.060	17.69	0.059
15	64QAM	36	20	17.76	0.060	17.68	0.059	17.63	0.058
15	64QAM	36	39	17.68	0.059	17.62	0.058	17.59	0.057
15	64QAM	75	0	17.61	0.058	17.51	0.056	17.44	0.055



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	19.62	0.092	19.67	0.093	19.58	0.091
10	QPSK	1	25	19.49	0.089	19.65	0.092	18.56	0.072
10	QPSK	1	49	19.48	0.089	19.50	0.089	19.41	0.087
10	QPSK	25	0	18.73	0.075	18.81	0.076	18.68	0.074
10	QPSK	25	12	18.57	0.072	18.80	0.076	18.62	0.073
10	QPSK	25	25	18.47	0.070	18.66	0.073	18.50	0.071
10	QPSK	50	0	18.30	0.068	18.43	0.070	18.36	0.069
10	16QAM	1	0	18.80	0.076	18.84	0.077	18.79	0.076
10	16QAM	1	25	18.78	0.076	18.74	0.075	18.76	0.075
10	16QAM	1	49	18.71	0.074	18.62	0.073	18.63	0.073
10	16QAM	25	0	17.72	0.059	17.89	0.062	17.70	0.059
10	16QAM	25	12	17.68	0.059	17.79	0.060	17.57	0.057
10	16QAM	25	25	17.67	0.058	17.68	0.059	17.50	0.056
10	16QAM	50	0	17.59	0.057	17.64	0.058	17.38	0.055
10	64QAM	1	0	18.69	0.074	18.69	0.074	18.68	0.074
10	64QAM	1	25	18.62	0.073	18.65	0.073	18.63	0.073
10	64QAM	1	49	18.56	0.072	18.62	0.073	18.58	0.072
10	64QAM	25	0	17.78	0.060	17.76	0.060	17.67	0.058
10	64QAM	25	12	17.74	0.059	17.66	0.058	17.60	0.058
10	64QAM	25	25	17.66	0.058	17.59	0.057	17.57	0.057
10	64QAM	50	0	17.60	0.058	17.49	0.056	17.43	0.055



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	19.58	0.091	19.67	0.093	19.60	0.091
5	QPSK	1	12	19.52	0.090	19.65	0.092	18.59	0.072
5	QPSK	1	24	19.45	0.088	19.50	0.089	19.43	0.088
5	QPSK	12	0	18.70	0.074	18.80	0.076	18.70	0.074
5	QPSK	12	7	18.59	0.072	18.81	0.076	18.63	0.073
5	QPSK	12	13	18.47	0.070	18.65	0.073	18.49	0.071
5	QPSK	25	0	18.27	0.067	18.45	0.070	18.34	0.068
5	16QAM	1	0	18.79	0.076	18.81	0.076	18.78	0.076
5	16QAM	1	12	18.74	0.075	18.73	0.075	18.76	0.075
5	16QAM	1	24	18.74	0.075	18.61	0.073	18.60	0.072
5	16QAM	12	0	17.75	0.060	17.90	0.062	17.68	0.059
5	16QAM	12	7	17.70	0.059	17.80	0.060	17.56	0.057
5	16QAM	12	13	17.68	0.059	17.68	0.059	17.48	0.056
5	16QAM	25	0	17.61	0.058	17.62	0.058	17.37	0.055
5	64QAM	1	0	18.69	0.074	18.72	0.074	18.69	0.074
5	64QAM	1	12	18.63	0.073	18.64	0.073	18.62	0.073
5	64QAM	1	24	18.59	0.072	18.63	0.073	18.61	0.073
5	64QAM	12	0	17.80	0.060	17.77	0.060	17.65	0.058
5	64QAM	12	7	17.73	0.059	17.64	0.058	17.62	0.058
5	64QAM	12	13	17.64	0.058	17.58	0.057	17.54	0.057
5	64QAM	25	0	17.59	0.057	17.48	0.056	17.42	0.055



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	19.57	0.091	19.65	0.092	19.56	0.090
3	QPSK	1	8	19.48	0.089	19.62	0.092	18.55	0.072
3	QPSK	1	14	19.44	0.088	19.46	0.088	19.38	0.087
3	QPSK	8	0	18.66	0.073	18.78	0.076	18.69	0.074
3	QPSK	8	4	18.56	0.072	18.77	0.075	18.60	0.072
3	QPSK	8	7	18.45	0.070	18.62	0.073	18.46	0.070
3	QPSK	15	0	18.23	0.067	18.43	0.070	18.32	0.068
3	16QAM	1	0	18.77	0.075	18.79	0.076	18.73	0.075
3	16QAM	1	8	18.73	0.075	18.69	0.074	18.74	0.075
3	16QAM	1	14	18.70	0.074	18.56	0.072	18.56	0.072
3	16QAM	8	0	17.71	0.059	17.85	0.061	17.63	0.058
3	16QAM	8	4	17.68	0.059	17.76	0.060	17.52	0.056
3	16QAM	8	7	17.66	0.058	17.64	0.058	17.47	0.056
3	16QAM	15	0	17.57	0.057	17.61	0.058	17.34	0.054
3	64QAM	1	0	18.66	0.073	18.69	0.074	18.66	0.073
3	64QAM	1	8	18.61	0.073	18.60	0.072	18.60	0.072
3	64QAM	1	14	18.54	0.071	18.60	0.072	18.58	0.072
3	64QAM	8	0	17.77	0.060	17.73	0.059	17.62	0.058
3	64QAM	8	4	17.69	0.059	17.60	0.058	17.58	0.057
3	64QAM	8	7	17.60	0.058	17.54	0.057	17.49	0.056
3	64QAM	15	0	17.54	0.057	17.46	0.056	17.38	0.055



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	19.54	0.090	19.60	0.091	19.55	0.090
1.4	QPSK	1	3	19.45	0.088	19.59	0.091	18.54	0.071
1.4	QPSK	1	5	19.39	0.087	19.45	0.088	19.35	0.086
1.4	QPSK	3	0	18.64	0.073	18.74	0.075	18.63	0.073
1.4	QPSK	3	1	18.53	0.071	18.76	0.075	18.57	0.072
1.4	QPSK	3	3	18.43	0.070	18.58	0.072	18.43	0.070
1.4	QPSK	6	0	18.22	0.066	18.39	0.069	18.28	0.067
1.4	16QAM	1	0	18.74	0.075	18.74	0.075	18.72	0.074
1.4	16QAM	1	3	18.68	0.074	18.65	0.073	18.68	0.074
1.4	16QAM	1	5	18.68	0.074	18.56	0.072	18.53	0.071
1.4	16QAM	3	0	17.65	0.058	17.83	0.061	17.64	0.058
1.4	16QAM	3	1	17.63	0.058	17.74	0.059	17.51	0.056
1.4	16QAM	3	3	17.63	0.058	17.63	0.058	17.42	0.055
1.4	16QAM	6	0	17.55	0.057	17.59	0.057	17.31	0.054
1.4	64QAM	1	0	18.62	0.073	18.62	0.073	18.65	0.073
1.4	64QAM	1	3	18.58	0.072	18.58	0.072	18.53	0.071
1.4	64QAM	1	5	18.56	0.072	18.56	0.072	18.55	0.072
1.4	64QAM	3	0	17.71	0.059	17.68	0.059	17.58	0.057
1.4	64QAM	3	1	17.68	0.059	17.58	0.057	17.57	0.057
1.4	64QAM	3	3	17.55	0.057	17.52	0.056	17.47	0.056
1.4	64QAM	6	0	17.55	0.057	17.43	0.055	17.37	0.055



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	19.64	0.092	19.76	0.095	19.57	0.091
10	QPSK	1	25	19.60	0.091	19.73	0.094	19.50	0.089
10	QPSK	1	49	19.49	0.089	19.71	0.094	19.41	0.087
10	QPSK	25	0	18.63	0.073	18.66	0.073	18.57	0.072
10	QPSK	25	12	18.57	0.072	18.56	0.072	18.44	0.070
10	QPSK	25	25	18.51	0.071	18.49	0.071	18.31	0.068
10	QPSK	50	0	18.40	0.069	18.44	0.070	18.16	0.065
10	16QAM	1	0	18.99	0.079	19.17	0.083	18.76	0.075
10	16QAM	1	25	18.85	0.077	19.05	0.080	18.74	0.075
10	16QAM	1	49	18.76	0.075	19.01	0.080	18.69	0.074
10	16QAM	25	0	17.87	0.061	17.79	0.060	17.62	0.058
10	16QAM	25	12	17.77	0.060	17.71	0.059	17.52	0.056
10	16QAM	25	25	17.63	0.058	17.62	0.058	17.37	0.055
10	16QAM	50	0	17.53	0.057	17.51	0.056	17.28	0.053
10	64QAM	1	0	19.27	0.085	19.10	0.081	18.96	0.079
10	64QAM	1	25	19.24	0.084	19.02	0.080	18.94	0.078
10	64QAM	1	49	19.17	0.083	18.94	0.078	18.88	0.077
10	64QAM	25	0	17.81	0.060	17.70	0.059	17.61	0.058
10	64QAM	25	12	17.67	0.058	17.64	0.058	17.50	0.056
10	64QAM	25	25	17.64	0.058	17.52	0.056	17.48	0.056
10	64QAM	50	0	17.49	0.056	17.42	0.055	17.40	0.055



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	19.58	0.091	19.71	0.094	19.52	0.090
5	QPSK	1	12	19.58	0.091	19.71	0.094	19.45	0.088
5	QPSK	1	24	19.44	0.088	19.69	0.093	19.36	0.086
5	QPSK	12	0	18.59	0.072	18.65	0.073	18.55	0.072
5	QPSK	12	7	18.53	0.071	18.51	0.071	18.40	0.069
5	QPSK	12	13	18.47	0.070	18.45	0.070	18.29	0.067
5	QPSK	25	0	18.34	0.068	18.42	0.070	18.11	0.065
5	16QAM	1	0	18.93	0.078	19.12	0.082	18.70	0.074
5	16QAM	1	12	18.80	0.076	19.00	0.079	18.71	0.074
5	16QAM	1	24	18.70	0.074	18.99	0.079	18.65	0.073
5	16QAM	12	0	17.82	0.061	17.77	0.060	17.58	0.057
5	16QAM	12	7	17.75	0.060	17.65	0.058	17.50	0.056
5	16QAM	12	13	17.58	0.057	17.57	0.057	17.34	0.054
5	16QAM	25	0	17.51	0.056	17.46	0.056	17.26	0.053
5	64QAM	1	0	19.23	0.084	19.07	0.081	18.92	0.078
5	64QAM	1	12	19.20	0.083	18.97	0.079	18.90	0.078
5	64QAM	1	24	19.11	0.081	18.91	0.078	18.83	0.076
5	64QAM	12	0	17.76	0.060	17.67	0.058	17.55	0.057
5	64QAM	12	7	17.65	0.058	17.59	0.057	17.45	0.056
5	64QAM	12	13	17.61	0.058	17.51	0.056	17.45	0.056
5	64QAM	25	0	17.45	0.056	17.40	0.055	17.35	0.054



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	19.52	0.090	19.67	0.093	19.49	0.089
3	QPSK	1	8	19.56	0.090	19.65	0.092	19.41	0.087
3	QPSK	1	14	19.41	0.087	19.58	0.091	19.34	0.086
3	QPSK	8	0	18.57	0.072	18.55	0.072	18.50	0.071
3	QPSK	8	4	18.47	0.070	18.45	0.070	18.38	0.069
3	QPSK	8	7	18.41	0.069	18.41	0.069	18.25	0.067
3	QPSK	15	0	18.28	0.067	18.38	0.069	18.08	0.064
3	16QAM	1	0	18.88	0.077	19.08	0.081	18.64	0.073
3	16QAM	1	8	18.78	0.076	18.98	0.079	18.68	0.074
3	16QAM	1	14	18.68	0.074	18.93	0.078	18.61	0.073
3	16QAM	8	0	17.78	0.060	17.75	0.060	17.54	0.057
3	16QAM	8	4	17.71	0.059	17.62	0.058	17.48	0.056
3	16QAM	8	7	17.57	0.057	17.51	0.056	17.31	0.054
3	16QAM	15	0	17.49	0.056	17.41	0.055	17.21	0.053
3	64QAM	1	0	19.17	0.083	19.02	0.080	18.90	0.078
3	64QAM	1	8	19.19	0.083	18.95	0.079	18.86	0.077
3	64QAM	1	14	19.10	0.081	18.87	0.077	18.80	0.076
3	64QAM	8	0	17.74	0.059	17.65	0.058	17.50	0.056
3	64QAM	8	4	17.63	0.058	17.58	0.057	17.40	0.055
3	64QAM	8	7	17.59	0.057	17.46	0.056	17.41	0.055
3	64QAM	15	0	17.39	0.055	17.36	0.054	17.30	0.054



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	19.51	0.089	19.61	0.091	19.46	0.088
1.4	QPSK	1	3	19.53	0.090	19.56	0.090	19.39	0.087
1.4	QPSK	1	5	19.38	0.087	19.55	0.090	19.30	0.085
1.4	QPSK	3	0	18.54	0.071	18.50	0.071	18.49	0.071
1.4	QPSK	3	1	18.45	0.070	18.43	0.070	18.34	0.068
1.4	QPSK	3	3	18.36	0.069	18.40	0.069	18.23	0.067
1.4	QPSK	6	0	18.23	0.067	18.35	0.068	18.03	0.064
1.4	16QAM	1	0	18.85	0.077	19.05	0.080	18.60	0.072
1.4	16QAM	1	3	18.77	0.075	18.95	0.079	18.62	0.073
1.4	16QAM	1	5	18.66	0.073	18.90	0.078	18.57	0.072
1.4	16QAM	3	0	17.72	0.059	17.70	0.059	17.51	0.056
1.4	16QAM	3	1	17.65	0.058	17.61	0.058	17.44	0.055
1.4	16QAM	3	3	17.55	0.057	17.49	0.056	17.29	0.054
1.4	16QAM	6	0	17.47	0.056	17.38	0.055	17.16	0.052
1.4	64QAM	1	0	19.12	0.082	19.00	0.079	18.87	0.077
1.4	64QAM	1	3	19.16	0.082	18.91	0.078	18.84	0.077
1.4	64QAM	1	5	19.07	0.081	18.86	0.077	18.76	0.075
1.4	64QAM	3	0	17.73	0.059	17.61	0.058	17.47	0.056
1.4	64QAM	3	1	17.57	0.057	17.52	0.056	17.37	0.055
1.4	64QAM	3	3	17.56	0.057	17.40	0.055	17.36	0.054
1.4	64QAM	6	0	17.35	0.054	17.32	0.054	17.25	0.053



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	18.56	0.072	18.67	0.074	18.38	0.069
20	QPSK	1	49	18.43	0.070	18.54	0.071	18.19	0.066
20	QPSK	1	99	18.05	0.064	18.25	0.067	18.14	0.065
20	QPSK	50	0	17.79	0.060	17.83	0.061	17.71	0.059
20	QPSK	50	24	17.65	0.058	17.71	0.059	17.62	0.058
20	QPSK	50	50	17.56	0.057	17.63	0.058	17.57	0.057
20	QPSK	100	0	17.76	0.060	17.81	0.060	17.63	0.058
20	16QAM	1	0	17.93	0.062	17.83	0.061	17.74	0.059
20	16QAM	1	49	17.77	0.060	17.71	0.059	17.62	0.058
20	16QAM	1	99	17.63	0.058	17.64	0.058	17.51	0.056
20	16QAM	50	0	16.98	0.050	16.73	0.047	17.06	0.051
20	16QAM	50	24	16.75	0.047	16.66	0.046	16.88	0.049
20	16QAM	50	50	16.64	0.046	16.57	0.045	16.73	0.047
20	16QAM	100	0	16.83	0.048	16.74	0.047	16.94	0.049
20	64QAM	1	0	17.83	0.061	17.72	0.059	17.61	0.058
20	64QAM	1	49	17.73	0.059	17.64	0.058	17.56	0.057
20	64QAM	1	99	17.66	0.058	17.57	0.057	17.45	0.056
20	64QAM	50	0	16.83	0.048	16.64	0.046	16.84	0.048
20	64QAM	50	24	16.63	0.046	16.58	0.045	16.84	0.048
20	64QAM	50	50	16.66	0.046	16.45	0.044	16.61	0.046
20	64QAM	100	0	16.71	0.047	16.68	0.047	16.89	0.049



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	18.53	0.071	18.64	0.073	18.35	0.068
15	QPSK	1	37	18.40	0.069	18.51	0.071	18.16	0.065
15	QPSK	1	74	18.02	0.063	18.22	0.066	18.11	0.065
15	QPSK	36	0	17.76	0.060	17.80	0.060	17.68	0.059
15	QPSK	36	20	17.62	0.058	17.68	0.059	17.59	0.057
15	QPSK	36	39	17.53	0.057	17.60	0.058	17.54	0.057
15	QPSK	75	0	17.73	0.059	17.78	0.060	17.60	0.058
15	16QAM	1	0	17.90	0.062	17.80	0.060	17.71	0.059
15	16QAM	1	37	17.74	0.059	17.68	0.059	17.59	0.057
15	16QAM	1	74	17.60	0.058	17.61	0.058	17.48	0.056
15	16QAM	36	0	16.95	0.050	16.70	0.047	17.03	0.050
15	16QAM	36	20	16.72	0.047	16.63	0.046	16.85	0.048
15	16QAM	36	39	16.61	0.046	16.54	0.045	16.70	0.047
15	16QAM	75	0	16.80	0.048	16.71	0.047	16.91	0.049
15	64QAM	1	0	17.80	0.060	17.69	0.059	17.58	0.057
15	64QAM	1	37	17.70	0.059	17.61	0.058	17.53	0.057
15	64QAM	1	74	17.63	0.058	17.54	0.057	17.42	0.055
15	64QAM	36	0	16.80	0.048	16.61	0.046	16.81	0.048
15	64QAM	36	20	16.60	0.046	16.55	0.045	16.81	0.048
15	64QAM	36	39	16.63	0.046	16.42	0.044	16.58	0.045
15	64QAM	75	0	16.68	0.047	16.65	0.046	16.86	0.049



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	18.51	0.071	18.62	0.073	18.33	0.068
10	QPSK	1	25	18.38	0.069	18.49	0.071	18.14	0.065
10	QPSK	1	49	18.00	0.063	18.20	0.066	18.09	0.064
10	QPSK	25	0	17.74	0.059	17.78	0.060	17.66	0.058
10	QPSK	25	12	17.60	0.058	17.66	0.058	17.57	0.057
10	QPSK	25	25	17.51	0.056	17.58	0.057	17.52	0.056
10	QPSK	50	0	17.71	0.059	17.76	0.060	17.58	0.057
10	16QAM	1	0	17.88	0.061	17.78	0.060	17.69	0.059
10	16QAM	1	25	17.72	0.059	17.66	0.058	17.57	0.057
10	16QAM	1	49	17.58	0.057	17.59	0.057	17.46	0.056
10	16QAM	25	0	16.93	0.049	16.68	0.047	17.01	0.050
10	16QAM	25	12	16.70	0.047	16.61	0.046	16.83	0.048
10	16QAM	25	25	16.59	0.046	16.52	0.045	16.68	0.047
10	16QAM	50	0	16.78	0.048	16.69	0.047	16.89	0.049
10	64QAM	1	0	17.78	0.060	17.67	0.058	17.56	0.057
10	64QAM	1	25	17.68	0.059	17.59	0.057	17.51	0.056
10	64QAM	1	49	17.61	0.058	17.52	0.056	17.40	0.055
10	64QAM	25	0	16.78	0.048	16.59	0.046	16.79	0.048
10	64QAM	25	12	16.58	0.045	16.53	0.045	16.79	0.048
10	64QAM	25	25	16.61	0.046	16.40	0.044	16.56	0.045
10	64QAM	50	0	16.66	0.046	16.63	0.046	16.84	0.048



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	18.49	0.071	18.60	0.072	18.31	0.068
5	QPSK	1	12	18.36	0.069	18.47	0.070	18.12	0.065
5	QPSK	1	24	17.98	0.063	18.18	0.066	18.07	0.064
5	QPSK	12	0	17.72	0.059	17.76	0.060	17.64	0.058
5	QPSK	12	7	17.58	0.057	17.64	0.058	17.55	0.057
5	QPSK	12	13	17.49	0.056	17.56	0.057	17.50	0.056
5	QPSK	25	0	17.69	0.059	17.74	0.059	17.56	0.057
5	16QAM	1	0	17.86	0.061	17.76	0.060	17.67	0.058
5	16QAM	1	12	17.70	0.059	17.64	0.058	17.55	0.057
5	16QAM	1	24	17.56	0.057	17.57	0.057	17.44	0.055
5	16QAM	12	0	16.91	0.049	16.66	0.046	16.99	0.050
5	16QAM	12	7	16.68	0.047	16.59	0.046	16.81	0.048
5	16QAM	12	13	16.57	0.045	16.50	0.045	16.66	0.046
5	16QAM	25	0	16.76	0.047	16.67	0.046	16.87	0.049
5	64QAM	1	0	17.76	0.060	17.65	0.058	17.54	0.057
5	64QAM	1	12	17.66	0.058	17.57	0.057	17.49	0.056
5	64QAM	1	24	17.59	0.057	17.50	0.056	17.38	0.055
5	64QAM	12	0	16.76	0.047	16.57	0.045	16.77	0.048
5	64QAM	12	7	16.56	0.045	16.51	0.045	16.77	0.048
5	64QAM	12	13	16.59	0.046	16.38	0.043	16.54	0.045
5	64QAM	25	0	16.64	0.046	16.61	0.046	16.82	0.048



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	17.53	0.057	17.60	0.058	17.49	0.056
10	QPSK	1	25	17.47	0.056	17.47	0.056	17.32	0.054
10	QPSK	1	49	17.33	0.054	17.39	0.055	17.28	0.053
10	QPSK	25	0	16.33	0.043	16.40	0.044	16.34	0.043
10	QPSK	25	12	16.26	0.042	16.27	0.042	16.29	0.043
10	QPSK	25	25	16.20	0.042	16.13	0.041	16.27	0.042
10	QPSK	50	0	16.18	0.041	16.07	0.040	16.14	0.041
10	16QAM	1	0	16.45	0.044	16.53	0.045	16.51	0.045
10	16QAM	1	25	16.36	0.043	16.40	0.044	16.45	0.044
10	16QAM	1	49	16.32	0.043	16.28	0.042	16.38	0.043
10	16QAM	25	0	15.37	0.034	15.32	0.034	15.37	0.034
10	16QAM	25	12	15.23	0.033	15.29	0.034	15.28	0.034
10	16QAM	25	25	15.15	0.033	15.18	0.033	15.17	0.033
10	16QAM	50	0	15.10	0.032	15.12	0.033	15.13	0.033
10	64QAM	1	0	16.42	0.044	16.60	0.046	16.62	0.046
10	64QAM	1	25	16.31	0.043	16.56	0.045	16.55	0.045
10	64QAM	1	49	16.16	0.041	16.50	0.045	16.52	0.045
10	64QAM	25	0	15.49	0.035	15.41	0.035	15.50	0.035
10	64QAM	25	12	15.40	0.035	15.31	0.034	15.40	0.035
10	64QAM	25	25	15.26	0.034	15.22	0.033	15.30	0.034
10	64QAM	50	0	15.20	0.033	15.11	0.032	15.17	0.033



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	17.51	0.056	17.57	0.057	17.44	0.055
5	QPSK	1	12	17.44	0.055	17.44	0.055	17.27	0.053
5	QPSK	1	24	17.30	0.054	17.36	0.054	17.24	0.053
5	QPSK	12	0	16.31	0.043	16.36	0.043	16.30	0.043
5	QPSK	12	7	16.25	0.042	16.25	0.042	16.25	0.042
5	QPSK	12	13	16.17	0.041	16.11	0.041	16.24	0.042
5	QPSK	25	0	16.15	0.041	16.05	0.040	16.12	0.041
5	16QAM	1	0	16.43	0.044	16.52	0.045	16.50	0.045
5	16QAM	1	12	16.35	0.043	16.37	0.043	16.40	0.044
5	16QAM	1	24	16.28	0.042	16.26	0.042	16.35	0.043
5	16QAM	12	0	15.36	0.034	15.27	0.034	15.36	0.034
5	16QAM	12	7	15.18	0.033	15.27	0.034	15.24	0.033
5	16QAM	12	13	15.13	0.033	15.14	0.033	15.14	0.033
5	16QAM	25	0	15.08	0.032	15.11	0.032	15.11	0.032
5	64QAM	1	0	16.39	0.044	16.55	0.045	16.59	0.046
5	64QAM	1	12	16.30	0.043	16.53	0.045	16.53	0.045
5	64QAM	1	24	16.13	0.041	16.46	0.044	16.50	0.045
5	64QAM	12	0	15.45	0.035	15.39	0.035	15.45	0.035
5	64QAM	12	7	15.36	0.034	15.30	0.034	15.38	0.035
5	64QAM	12	13	15.21	0.033	15.18	0.033	15.27	0.034
5	64QAM	25	0	15.19	0.033	15.08	0.032	15.15	0.033



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	17.47	0.056	17.55	0.057	17.39	0.055
3	QPSK	1	8	17.41	0.055	17.42	0.055	17.23	0.053
3	QPSK	1	14	17.27	0.053	17.35	0.054	17.21	0.053
3	QPSK	8	0	16.27	0.042	16.33	0.043	16.28	0.042
3	QPSK	8	4	16.23	0.042	16.23	0.042	16.22	0.042
3	QPSK	8	7	16.15	0.041	16.09	0.041	16.22	0.042
3	QPSK	15	0	16.13	0.041	16.03	0.040	16.09	0.041
3	16QAM	1	0	16.39	0.044	16.50	0.045	16.47	0.044
3	16QAM	1	8	16.32	0.043	16.33	0.043	16.36	0.043
3	16QAM	1	14	16.26	0.042	16.21	0.042	16.34	0.043
3	16QAM	8	0	15.33	0.034	15.24	0.033	15.35	0.034
3	16QAM	8	4	15.16	0.033	15.23	0.033	15.23	0.033
3	16QAM	8	7	15.09	0.032	15.12	0.033	15.11	0.032
3	16QAM	15	0	15.05	0.032	15.08	0.032	15.07	0.032
3	64QAM	1	0	16.37	0.043	16.51	0.045	16.55	0.045
3	64QAM	1	8	16.26	0.042	16.51	0.045	16.49	0.045
3	64QAM	1	14	16.10	0.041	16.43	0.044	16.47	0.044
3	64QAM	8	0	15.44	0.035	15.37	0.034	15.42	0.035
3	64QAM	8	4	15.34	0.034	15.27	0.034	15.35	0.034
3	64QAM	8	7	15.17	0.033	15.17	0.033	15.26	0.034
3	64QAM	15	0	15.15	0.033	15.06	0.032	15.11	0.032



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	17.45	0.056	17.51	0.056	17.37	0.055
1.4	QPSK	1	3	17.35	0.054	17.39	0.055	17.18	0.052
1.4	QPSK	1	5	17.22	0.053	17.29	0.054	17.18	0.052
1.4	QPSK	3	0	16.27	0.042	16.30	0.043	16.24	0.042
1.4	QPSK	3	1	16.18	0.041	16.21	0.042	16.20	0.042
1.4	QPSK	3	3	16.10	0.041	16.05	0.040	16.16	0.041
1.4	QPSK	6	0	16.09	0.041	16.03	0.040	16.08	0.041
1.4	16QAM	1	0	16.35	0.043	16.48	0.044	16.45	0.044
1.4	16QAM	1	3	16.25	0.042	16.33	0.043	16.34	0.043
1.4	16QAM	1	5	16.22	0.042	16.19	0.042	16.28	0.042
1.4	16QAM	3	0	15.27	0.034	15.22	0.033	15.29	0.034
1.4	16QAM	3	1	15.13	0.033	15.19	0.033	15.15	0.033
1.4	16QAM	3	3	15.04	0.032	15.07	0.032	15.07	0.032
1.4	16QAM	6	0	15.05	0.032	15.05	0.032	15.04	0.032
1.4	64QAM	1	0	16.34	0.043	16.49	0.045	16.52	0.045
1.4	64QAM	1	3	16.23	0.042	16.47	0.044	16.47	0.044
1.4	64QAM	1	5	16.10	0.041	16.37	0.043	16.45	0.044
1.4	64QAM	3	0	15.42	0.035	15.29	0.034	15.42	0.035
1.4	64QAM	3	1	15.28	0.034	15.23	0.033	15.31	0.034
1.4	64QAM	3	3	15.17	0.033	15.11	0.032	15.20	0.033
1.4	64QAM	6	0	15.12	0.033	15.06	0.032	15.08	0.032



LTE Band 13				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				/		23230		/	
Frequency (MHz)				/		782		/	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	/	/	15.86	0.039	/	/
10	QPSK	1	25	/	/	15.81	0.038	/	/
10	QPSK	1	49	/	/	15.72	0.037	/	/
10	QPSK	25	0	/	/	15.19	0.033	/	/
10	QPSK	25	12	/	/	15.10	0.032	/	/
10	QPSK	25	25	/	/	15.05	0.032	/	/
10	QPSK	50	0	/	/	14.77	0.030	/	/
10	16QAM	1	0	/	/	15.24	0.033	/	/
10	16QAM	1	25	/	/	15.18	0.033	/	/
10	16QAM	1	49	/	/	15.14	0.033	/	/
10	16QAM	25	0	/	/	14.21	0.026	/	/
10	16QAM	25	12	/	/	14.19	0.026	/	/
10	16QAM	25	25	/	/	14.11	0.026	/	/
10	16QAM	50	0	/	/	14.01	0.025	/	/
10	64QAM	1	0	/	/	15.22	0.033	/	/
10	64QAM	1	25	/	/	15.10	0.032	/	/
10	64QAM	1	49	/	/	15.10	0.032	/	/
10	64QAM	25	0	/	/	14.19	0.026	/	/
10	64QAM	25	12	/	/	14.09	0.026	/	/
10	64QAM	25	25	/	/	13.96	0.025	/	/
10	64QAM	50	0	/	/	13.79	0.024	/	/



LTE Band 13				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23205		23230		23255	
Frequency (MHz)				779.5		782		784.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	15.76	0.038	15.81	0.038	15.80	0.038
5	QPSK	1	12	15.73	0.037	15.78	0.038	15.74	0.037
5	QPSK	1	24	15.64	0.037	15.68	0.037	15.63	0.037
5	QPSK	12	0	15.08	0.032	15.16	0.033	15.10	0.032
5	QPSK	12	7	14.97	0.031	15.08	0.032	15.00	0.032
5	QPSK	12	13	14.91	0.031	15.02	0.032	14.92	0.031
5	QPSK	25	0	14.63	0.029	14.73	0.030	14.68	0.029
5	16QAM	1	0	15.11	0.032	15.21	0.033	15.16	0.033
5	16QAM	1	12	15.01	0.032	15.17	0.033	15.09	0.032
5	16QAM	1	24	15.00	0.032	15.10	0.032	15.04	0.032
5	16QAM	12	0	14.05	0.025	14.20	0.026	14.10	0.026
5	16QAM	12	7	14.08	0.026	14.16	0.026	14.08	0.026
5	16QAM	12	13	13.97	0.025	14.09	0.026	14.03	0.025
5	16QAM	25	0	13.90	0.025	13.98	0.025	13.93	0.025
5	64QAM	1	0	15.11	0.032	15.18	0.033	15.13	0.033
5	64QAM	1	12	14.96	0.031	15.08	0.032	15.04	0.032
5	64QAM	1	24	14.97	0.031	15.06	0.032	14.98	0.031
5	64QAM	12	0	14.06	0.025	14.16	0.026	14.09	0.026
5	64QAM	12	7	13.95	0.025	14.05	0.025	14.00	0.025
5	64QAM	12	13	13.88	0.024	13.91	0.025	13.89	0.024
5	64QAM	25	0	13.65	0.023	13.77	0.024	13.69	0.023



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	19.00	0.079	19.06	0.081	18.90	0.078
10	QPSK	1	25	18.76	0.075	18.95	0.079	18.84	0.077
10	QPSK	1	49	18.71	0.074	18.88	0.077	18.75	0.075
10	QPSK	25	0	17.99	0.063	18.05	0.064	18.02	0.063
10	QPSK	25	12	17.89	0.062	17.95	0.062	17.88	0.061
10	QPSK	25	25	17.87	0.061	17.81	0.060	17.74	0.059
10	QPSK	50	0	17.86	0.061	17.77	0.060	17.69	0.059
10	16QAM	1	0	18.61	0.073	18.42	0.070	18.67	0.074
10	16QAM	1	25	18.59	0.072	18.28	0.067	18.65	0.073
10	16QAM	1	49	18.53	0.071	18.20	0.066	18.54	0.071
10	16QAM	25	0	17.16	0.052	17.16	0.052	17.10	0.051
10	16QAM	25	12	17.02	0.050	17.07	0.051	16.97	0.050
10	16QAM	25	25	16.87	0.049	16.94	0.049	16.82	0.048
10	16QAM	50	0	16.85	0.048	16.91	0.049	16.70	0.047
10	64QAM	1	0	18.29	0.067	18.60	0.072	18.51	0.071
10	64QAM	1	25	18.27	0.067	18.45	0.070	18.43	0.070
10	64QAM	1	49	18.23	0.067	18.38	0.069	18.28	0.067
10	64QAM	25	0	17.17	0.052	17.28	0.053	17.18	0.052
10	64QAM	25	12	17.11	0.051	17.20	0.052	17.11	0.051
10	64QAM	25	25	17.06	0.051	17.07	0.051	17.05	0.051
10	64QAM	50	0	16.97	0.050	17.02	0.050	16.97	0.050



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	18.80	0.076	18.86	0.077	18.64	0.073
5	QPSK	1	12	18.62	0.073	18.75	0.075	18.70	0.074
5	QPSK	1	24	18.60	0.072	18.71	0.074	18.62	0.073
5	QPSK	12	0	17.84	0.061	17.90	0.062	17.82	0.061
5	QPSK	12	7	17.75	0.060	17.85	0.061	17.70	0.059
5	QPSK	12	13	17.69	0.059	17.76	0.060	17.66	0.058
5	QPSK	25	0	17.74	0.059	17.66	0.058	17.57	0.057
5	16QAM	1	0	18.42	0.070	18.30	0.068	18.51	0.071
5	16QAM	1	12	18.44	0.070	18.15	0.065	18.49	0.071
5	16QAM	1	24	18.41	0.069	18.04	0.064	18.46	0.070
5	16QAM	12	0	17.03	0.050	17.10	0.051	16.96	0.050
5	16QAM	12	7	16.92	0.049	16.99	0.050	16.82	0.048
5	16QAM	12	13	16.72	0.047	16.81	0.048	16.69	0.047
5	16QAM	25	0	16.75	0.047	16.76	0.047	16.56	0.045
5	64QAM	1	0	18.10	0.065	18.49	0.071	18.36	0.069
5	64QAM	1	12	18.15	0.065	18.31	0.068	18.30	0.068
5	64QAM	1	24	18.10	0.065	18.25	0.067	18.16	0.065
5	64QAM	12	0	17.02	0.050	17.19	0.052	17.01	0.050
5	64QAM	12	7	16.96	0.050	17.04	0.051	16.95	0.050
5	64QAM	12	13	16.90	0.049	16.96	0.050	16.86	0.049
5	64QAM	25	0	16.88	0.049	16.84	0.048	16.80	0.048



LTE Band 25				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26140		26365		26590	
Frequency (MHz)				1860		1882.5		1905	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	18.11	0.065	18.26	0.067	18.22	0.066
20	QPSK	1	49	18.03	0.064	18.07	0.064	17.82	0.061
20	QPSK	1	99	18.01	0.063	18.05	0.064	17.77	0.060
20	QPSK	50	0	17.25	0.053	17.26	0.053	17.23	0.053
20	QPSK	50	24	17.16	0.052	17.21	0.053	17.15	0.052
20	QPSK	50	50	17.13	0.052	17.14	0.052	17.19	0.052
20	QPSK	100	0	17.09	0.051	17.12	0.052	17.06	0.051
20	16QAM	1	0	17.06	0.051	17.11	0.051	16.94	0.049
20	16QAM	1	49	16.91	0.049	17.03	0.050	16.88	0.049
20	16QAM	1	99	16.84	0.048	16.87	0.049	16.86	0.049
20	16QAM	50	0	16.14	0.041	16.23	0.042	16.19	0.042
20	16QAM	50	24	16.03	0.040	16.06	0.040	16.12	0.041
20	16QAM	50	50	15.98	0.040	16.01	0.040	16.03	0.040
20	16QAM	100	0	16.05	0.040	16.11	0.041	16.16	0.041
20	64QAM	1	0	17.05	0.051	17.08	0.051	16.93	0.049
20	64QAM	1	49	16.91	0.049	16.95	0.050	16.87	0.049
20	64QAM	1	99	16.89	0.049	16.85	0.048	16.83	0.048
20	64QAM	50	0	16.14	0.041	16.25	0.042	16.22	0.042
20	64QAM	50	24	16.09	0.041	16.14	0.041	16.13	0.041
20	64QAM	50	50	16.04	0.040	16.08	0.041	16.11	0.041
20	64QAM	100	0	15.96	0.039	16.00	0.040	16.02	0.040



LTE Band 25				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26115		26365		26615	
Frequency (MHz)				1857.5		1882.5		1907.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	18.08	0.064	18.15	0.065	17.90	0.062
15	QPSK	1	37	18.00	0.063	18.04	0.064	17.79	0.060
15	QPSK	1	74	17.98	0.063	18.02	0.063	17.74	0.059
15	QPSK	36	0	17.22	0.053	17.23	0.053	17.20	0.052
15	QPSK	36	20	17.13	0.052	17.18	0.052	17.12	0.052
15	QPSK	36	39	17.10	0.051	17.11	0.051	17.16	0.052
15	QPSK	75	0	17.06	0.051	17.09	0.051	17.03	0.050
15	16QAM	1	0	17.03	0.050	17.08	0.051	16.91	0.049
15	16QAM	1	37	16.88	0.049	17.00	0.050	16.85	0.048
15	16QAM	1	74	16.81	0.048	16.84	0.048	16.83	0.048
15	16QAM	36	0	16.12	0.041	16.19	0.042	16.16	0.041
15	16QAM	36	20	16.01	0.040	16.01	0.040	16.09	0.041
15	16QAM	36	39	15.95	0.039	15.99	0.040	15.99	0.040
15	16QAM	75	0	16.02	0.040	16.08	0.041	16.13	0.041
15	64QAM	1	0	17.03	0.050	17.05	0.051	16.91	0.049
15	64QAM	1	37	16.90	0.049	16.92	0.049	16.84	0.048
15	64QAM	1	74	16.87	0.049	16.82	0.048	16.81	0.048
15	64QAM	36	0	16.11	0.041	16.22	0.042	16.19	0.042
15	64QAM	36	20	16.06	0.040	16.11	0.041	16.10	0.041
15	64QAM	36	39	16.01	0.040	16.05	0.040	16.08	0.041
15	64QAM	75	0	15.93	0.039	15.97	0.040	15.99	0.040



LTE Band 25				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26090		26365		26640	
Frequency (MHz)				1855		1882.5		1910	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	18.06	0.064	18.13	0.065	17.88	0.061
10	QPSK	1	25	17.98	0.063	18.02	0.063	17.77	0.060
10	QPSK	1	49	17.96	0.063	18.00	0.063	17.72	0.059
10	QPSK	25	0	17.20	0.052	17.21	0.053	17.18	0.052
10	QPSK	25	12	17.11	0.051	17.16	0.052	17.10	0.051
10	QPSK	25	25	17.08	0.051	17.09	0.051	17.14	0.052
10	QPSK	50	0	17.04	0.051	17.07	0.051	17.01	0.050
10	16QAM	1	0	17.01	0.050	17.06	0.051	16.89	0.049
10	16QAM	1	25	16.86	0.049	16.98	0.050	16.83	0.048
10	16QAM	1	49	16.79	0.048	16.82	0.048	16.81	0.048
10	16QAM	25	0	16.10	0.041	16.21	0.042	16.18	0.041
10	16QAM	25	12	15.99	0.040	16.02	0.040	16.08	0.041
10	16QAM	25	25	15.96	0.039	15.98	0.040	16.02	0.040
10	16QAM	50	0	16.00	0.040	16.06	0.040	16.11	0.041
10	64QAM	1	0	17.02	0.050	17.04	0.051	16.91	0.049
10	64QAM	1	25	16.89	0.049	16.93	0.049	16.84	0.048
10	64QAM	1	49	16.85	0.048	16.81	0.048	16.79	0.048
10	64QAM	25	0	16.09	0.041	16.20	0.042	16.17	0.041
10	64QAM	25	12	16.04	0.040	16.09	0.041	16.08	0.041
10	64QAM	25	25	15.99	0.040	16.03	0.040	16.06	0.040
10	64QAM	50	0	15.91	0.039	15.95	0.039	15.97	0.040



LTE Band 25				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26065		26365		26665	
Frequency (MHz)				1852.5		1882.5		1912.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	18.02	0.063	18.09	0.064	17.84	0.061
5	QPSK	1	12	17.94	0.062	17.98	0.063	17.73	0.059
5	QPSK	1	24	17.92	0.062	17.96	0.063	17.68	0.059
5	QPSK	12	0	17.16	0.052	17.17	0.052	17.14	0.052
5	QPSK	12	7	17.07	0.051	17.12	0.052	17.06	0.051
5	QPSK	12	13	17.04	0.051	17.05	0.051	17.10	0.051
5	QPSK	25	0	17.00	0.050	17.03	0.050	16.97	0.050
5	16QAM	1	0	16.97	0.050	17.02	0.050	16.85	0.048
5	16QAM	1	12	16.82	0.048	16.94	0.049	16.79	0.048
5	16QAM	1	24	16.75	0.047	16.78	0.048	16.77	0.048
5	16QAM	12	0	16.05	0.040	16.20	0.042	16.17	0.041
5	16QAM	12	7	15.98	0.040	16.00	0.040	16.04	0.040
5	16QAM	12	13	15.95	0.039	15.94	0.039	15.98	0.040
5	16QAM	25	0	15.96	0.039	16.02	0.040	16.07	0.040
5	64QAM	1	0	17.04	0.051	17.05	0.051	16.91	0.049
5	64QAM	1	12	16.86	0.049	16.92	0.049	16.82	0.048
5	64QAM	1	24	16.85	0.048	16.83	0.048	16.81	0.048
5	64QAM	12	0	16.05	0.040	16.16	0.041	16.13	0.041
5	64QAM	12	7	16.00	0.040	16.05	0.040	16.04	0.040
5	64QAM	12	13	15.95	0.039	15.99	0.040	16.02	0.040
5	64QAM	25	0	15.87	0.039	15.91	0.039	15.93	0.039



LTE Band 25				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26055		26365		26675	
Frequency (MHz)				1851.5		1882.5		1913.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	17.99	0.063	18.06	0.064	17.81	0.060
3	QPSK	1	8	17.91	0.062	17.95	0.062	17.70	0.059
3	QPSK	1	14	17.89	0.062	17.93	0.062	17.65	0.058
3	QPSK	8	0	17.13	0.052	17.14	0.052	17.11	0.051
3	QPSK	8	4	17.04	0.051	17.09	0.051	17.03	0.050
3	QPSK	8	7	17.01	0.050	17.02	0.050	17.07	0.051
3	QPSK	15	0	16.97	0.050	17.00	0.050	16.94	0.049
3	16QAM	1	0	16.94	0.049	16.99	0.050	16.82	0.048
3	16QAM	1	8	16.79	0.048	16.91	0.049	16.76	0.047
3	16QAM	1	14	16.72	0.047	16.75	0.047	16.74	0.047
3	16QAM	8	0	16.00	0.040	16.18	0.041	16.13	0.041
3	16QAM	8	4	15.95	0.039	15.96	0.039	16.03	0.040
3	16QAM	8	7	15.94	0.039	15.91	0.039	15.97	0.040
3	16QAM	15	0	15.93	0.039	15.99	0.040	16.04	0.040
3	64QAM	1	0	17.03	0.050	17.04	0.051	16.90	0.049
3	64QAM	1	8	16.87	0.049	16.93	0.049	16.82	0.048
3	64QAM	1	14	16.86	0.049	16.80	0.048	16.79	0.048
3	64QAM	8	0	16.02	0.040	16.13	0.041	16.10	0.041
3	64QAM	8	4	15.97	0.040	16.02	0.040	16.01	0.040
3	64QAM	8	7	15.92	0.039	15.96	0.039	15.99	0.040
3	64QAM	15	0	15.84	0.038	15.88	0.039	15.90	0.039



LTE Band 25				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26047		26365		26683	
Frequency (MHz)				1850.7		1882.5		1914.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	17.96	0.063	18.03	0.064	17.78	0.060
1.4	QPSK	1	3	17.88	0.061	17.92	0.062	17.67	0.058
1.4	QPSK	1	5	17.86	0.061	17.90	0.062	17.62	0.058
1.4	QPSK	3	0	17.10	0.051	17.11	0.051	17.08	0.051
1.4	QPSK	3	1	17.01	0.050	17.06	0.051	17.00	0.050
1.4	QPSK	3	3	16.98	0.050	16.99	0.050	17.04	0.051
1.4	QPSK	6	0	16.94	0.049	16.97	0.050	16.91	0.049
1.4	16QAM	1	0	16.91	0.049	16.96	0.050	16.79	0.048
1.4	16QAM	1	3	16.76	0.047	16.88	0.049	16.73	0.047
1.4	16QAM	1	5	16.69	0.047	16.72	0.047	16.71	0.047
1.4	16QAM	3	0	16.00	0.040	16.17	0.041	16.13	0.041
1.4	16QAM	3	1	15.95	0.039	15.96	0.039	16.02	0.040
1.4	16QAM	3	3	15.94	0.039	15.90	0.039	15.94	0.039
1.4	16QAM	6	0	15.90	0.039	15.96	0.039	16.01	0.040
1.4	64QAM	1	0	16.96	0.050	17.03	0.050	16.85	0.048
1.4	64QAM	1	3	16.87	0.049	16.90	0.049	16.83	0.048
1.4	64QAM	1	5	16.81	0.048	16.79	0.048	16.77	0.048
1.4	64QAM	3	0	15.99	0.040	16.10	0.041	16.07	0.040
1.4	64QAM	3	1	15.94	0.039	15.99	0.040	15.98	0.040
1.4	64QAM	3	3	15.89	0.039	15.93	0.039	15.96	0.039
1.4	64QAM	6	0	15.81	0.038	15.85	0.038	15.87	0.039



LTE Band 26				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26865		26915		26965	
Frequency (MHz)				831.5		836.5		841.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	19.61	0.091	19.67	0.093	19.59	0.091
15	QPSK	1	37	19.56	0.090	19.52	0.090	19.48	0.089
15	QPSK	1	74	19.43	0.088	19.40	0.087	19.43	0.088
15	QPSK	36	0	18.71	0.074	18.86	0.077	18.68	0.074
15	QPSK	36	20	18.61	0.073	18.82	0.076	18.54	0.071
15	QPSK	36	39	18.59	0.072	18.69	0.074	18.48	0.070
15	QPSK	75	0	18.53	0.071	18.54	0.071	18.38	0.069
15	16QAM	1	0	19.14	0.082	19.30	0.085	19.05	0.080
15	16QAM	1	37	19.04	0.080	19.16	0.082	19.03	0.080
15	16QAM	1	74	18.92	0.078	19.01	0.080	18.88	0.077
15	16QAM	36	0	17.90	0.062	17.80	0.060	17.61	0.058
15	16QAM	36	20	17.80	0.060	17.68	0.059	17.53	0.057
15	16QAM	36	39	17.67	0.058	17.63	0.058	17.49	0.056
15	16QAM	75	0	17.62	0.058	17.52	0.056	17.46	0.056
15	64QAM	1	0	18.84	0.077	19.28	0.085	19.11	0.081
15	64QAM	1	37	18.82	0.076	19.17	0.083	18.96	0.079
15	64QAM	1	74	18.78	0.076	19.02	0.080	18.81	0.076
15	64QAM	36	0	17.93	0.062	17.78	0.060	17.57	0.057
15	64QAM	36	20	17.90	0.062	17.72	0.059	17.55	0.057
15	64QAM	36	39	17.81	0.060	17.61	0.058	17.52	0.056
15	64QAM	75	0	17.72	0.059	17.46	0.056	17.42	0.055



LTE Band 26				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26840		26915		26990	
Frequency (MHz)				829.0		836.5		844.0	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	19.59	0.091	19.59	0.091	19.56	0.090
10	QPSK	1	25	19.52	0.090	19.46	0.088	19.45	0.088
10	QPSK	1	49	19.36	0.086	19.36	0.086	19.37	0.086
10	QPSK	25	0	18.67	0.074	18.83	0.076	18.57	0.072
10	QPSK	25	12	18.59	0.072	18.75	0.075	18.51	0.071
10	QPSK	25	25	18.55	0.072	18.61	0.073	18.44	0.070
10	QPSK	50	0	18.47	0.070	18.48	0.070	18.37	0.069
10	16QAM	1	0	19.10	0.081	19.23	0.084	18.97	0.079
10	16QAM	1	25	18.98	0.079	19.14	0.082	18.95	0.079
10	16QAM	1	49	18.88	0.077	18.96	0.079	18.83	0.076
10	16QAM	25	0	17.86	0.061	17.74	0.059	17.56	0.057
10	16QAM	25	12	17.78	0.060	17.61	0.058	17.50	0.056
10	16QAM	25	25	17.61	0.058	17.56	0.057	17.45	0.056
10	16QAM	50	0	17.61	0.058	17.50	0.056	17.39	0.055
10	64QAM	1	0	18.77	0.075	19.26	0.084	19.09	0.081
10	64QAM	1	25	18.77	0.075	19.09	0.081	18.92	0.078
10	64QAM	1	49	18.76	0.075	18.95	0.079	18.77	0.075
10	64QAM	25	0	17.87	0.061	17.72	0.059	17.52	0.056
10	64QAM	25	12	17.88	0.061	17.69	0.059	17.52	0.056
10	64QAM	25	25	17.77	0.060	17.58	0.057	17.51	0.056
10	64QAM	50	0	17.69	0.059	17.38	0.055	17.36	0.054



LTE Band 26				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26815		26915		27015	
Frequency (MHz)				826.5		836.5		846.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	19.52	0.090	19.53	0.090	19.52	0.090
5	QPSK	1	12	19.48	0.089	19.41	0.087	19.42	0.087
5	QPSK	1	24	19.28	0.085	19.32	0.086	19.32	0.086
5	QPSK	12	0	18.64	0.073	18.80	0.076	18.49	0.071
5	QPSK	12	7	18.58	0.072	18.69	0.074	18.49	0.071
5	QPSK	12	13	18.52	0.071	18.57	0.072	18.40	0.069
5	QPSK	25	0	18.44	0.070	18.44	0.070	18.29	0.067
5	16QAM	1	0	19.04	0.080	19.21	0.083	18.92	0.078
5	16QAM	1	12	18.92	0.078	19.11	0.081	18.88	0.077
5	16QAM	1	24	18.87	0.077	18.93	0.078	18.76	0.075
5	16QAM	12	0	17.85	0.061	17.73	0.059	17.50	0.056
5	16QAM	12	7	17.73	0.059	17.55	0.057	17.48	0.056
5	16QAM	12	13	17.54	0.057	17.48	0.056	17.39	0.055
5	16QAM	25	0	17.59	0.057	17.44	0.055	17.37	0.055
5	64QAM	1	0	18.74	0.075	19.19	0.083	19.01	0.080
5	64QAM	1	12	18.75	0.075	19.03	0.080	18.87	0.077
5	64QAM	1	24	18.74	0.075	18.88	0.077	18.70	0.074
5	64QAM	12	0	17.80	0.060	17.70	0.059	17.49	0.056
5	64QAM	12	7	17.81	0.060	17.64	0.058	17.51	0.056
5	64QAM	12	13	17.69	0.059	17.57	0.057	17.48	0.056
5	64QAM	25	0	17.67	0.058	17.35	0.054	17.29	0.054



LTE Band 26				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26805		26915		27025	
Frequency (MHz)				825.5		836.5		847.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	19.48	0.089	19.50	0.089	19.49	0.089
3	QPSK	1	8	19.41	0.087	19.34	0.086	19.34	0.086
3	QPSK	1	14	19.24	0.084	19.26	0.084	19.24	0.084
3	QPSK	8	0	18.60	0.072	18.77	0.075	18.45	0.070
3	QPSK	8	4	18.51	0.071	18.64	0.073	18.43	0.070
3	QPSK	8	7	18.51	0.071	18.50	0.071	18.36	0.069
3	QPSK	15	0	18.37	0.069	18.42	0.070	18.24	0.067
3	16QAM	1	0	18.97	0.079	19.18	0.083	18.88	0.077
3	16QAM	1	8	18.90	0.078	19.09	0.081	18.82	0.076
3	16QAM	1	14	18.80	0.076	18.88	0.077	18.73	0.075
3	16QAM	8	0	17.81	0.060	17.66	0.058	17.47	0.056
3	16QAM	8	4	17.66	0.058	17.48	0.056	17.44	0.055
3	16QAM	8	7	17.47	0.056	17.40	0.055	17.31	0.054
3	16QAM	15	0	17.57	0.057	17.39	0.055	17.35	0.054
3	64QAM	1	0	18.67	0.074	19.17	0.083	18.96	0.079
3	64QAM	1	8	18.68	0.074	19.00	0.079	18.85	0.077
3	64QAM	1	14	18.73	0.075	18.84	0.077	18.68	0.074
3	64QAM	8	0	17.72	0.059	17.68	0.059	17.42	0.055
3	64QAM	8	4	17.75	0.060	17.61	0.058	17.49	0.056
3	64QAM	8	7	17.62	0.058	17.55	0.057	17.42	0.055
3	64QAM	15	0	17.62	0.058	17.29	0.054	17.21	0.053



LTE Band 26				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26797		26915		27033	
Frequency (MHz)				824.7		836.5		848.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	19.41	0.087	19.48	0.089	19.47	0.089
1.4	QPSK	1	3	19.34	0.086	19.29	0.085	19.31	0.085
1.4	QPSK	1	5	19.19	0.083	19.19	0.083	19.19	0.083
1.4	QPSK	3	0	18.54	0.071	18.74	0.075	18.38	0.069
1.4	QPSK	3	1	18.46	0.070	18.58	0.072	18.36	0.069
1.4	QPSK	3	3	18.44	0.070	18.45	0.070	18.29	0.067
1.4	QPSK	6	0	18.35	0.068	18.36	0.069	18.18	0.066
1.4	16QAM	1	0	18.89	0.077	19.12	0.082	18.82	0.076
1.4	16QAM	1	3	18.89	0.077	19.05	0.080	18.77	0.075
1.4	16QAM	1	5	18.73	0.075	18.84	0.077	18.71	0.074
1.4	16QAM	3	0	17.75	0.060	17.63	0.058	17.42	0.055
1.4	16QAM	3	1	17.58	0.057	17.41	0.055	17.38	0.055
1.4	16QAM	3	3	17.46	0.056	17.37	0.055	17.25	0.053
1.4	16QAM	6	0	17.56	0.057	17.38	0.055	17.27	0.053
1.4	64QAM	1	0	18.61	0.073	19.11	0.081	18.91	0.078
1.4	64QAM	1	3	18.64	0.073	18.99	0.079	18.82	0.076
1.4	64QAM	1	5	18.72	0.074	18.77	0.075	18.64	0.073
1.4	64QAM	3	0	17.71	0.059	17.63	0.058	17.35	0.054
1.4	64QAM	3	1	17.73	0.059	17.58	0.057	17.42	0.055
1.4	64QAM	3	3	17.56	0.057	17.50	0.056	17.41	0.055
1.4	64QAM	6	0	17.60	0.058	17.21	0.053	17.18	0.052



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	20.59	0.115	20.68	0.117	20.41	0.110
20	QPSK	1	49	20.53	0.113	20.56	0.114	20.32	0.108
20	QPSK	1	99	20.44	0.111	20.48	0.112	20.28	0.107
20	QPSK	50	0	19.66	0.092	19.77	0.095	19.51	0.089
20	QPSK	50	24	19.52	0.090	19.64	0.092	19.48	0.089
20	QPSK	50	50	19.50	0.089	19.60	0.091	19.50	0.089
20	QPSK	100	0	19.42	0.087	19.50	0.089	19.38	0.087
20	16QAM	1	0	19.94	0.099	19.83	0.096	19.76	0.095
20	16QAM	1	49	19.84	0.096	19.74	0.094	19.65	0.092
20	16QAM	1	99	19.80	0.095	19.68	0.093	19.53	0.090
20	16QAM	50	0	18.94	0.078	18.71	0.074	18.60	0.072
20	16QAM	50	24	18.92	0.078	18.59	0.072	18.59	0.072
20	16QAM	50	50	18.90	0.078	18.50	0.071	18.50	0.071
20	16QAM	100	0	18.75	0.075	18.36	0.069	18.43	0.070
20	64QAM	1	0	19.95	0.099	19.75	0.094	19.67	0.093
20	64QAM	1	49	19.92	0.098	19.69	0.093	19.56	0.090
20	64QAM	1	99	19.86	0.097	19.54	0.090	19.47	0.089
20	64QAM	50	0	18.77	0.075	18.64	0.073	18.53	0.071
20	64QAM	50	24	18.65	0.073	18.50	0.071	18.39	0.069
20	64QAM	50	50	18.60	0.072	18.37	0.069	18.31	0.068
20	64QAM	100	0	18.45	0.070	18.28	0.067	18.23	0.067



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	20.57	0.114	20.67	0.117	20.33	0.108
15	QPSK	1	37	20.45	0.111	20.52	0.113	20.25	0.106
15	QPSK	1	74	20.41	0.110	20.45	0.111	20.26	0.106
15	QPSK	36	0	19.64	0.092	19.73	0.094	19.48	0.089
15	QPSK	36	20	19.45	0.088	19.63	0.092	19.34	0.086
15	QPSK	36	39	19.46	0.088	19.54	0.090	19.30	0.085
15	QPSK	75	0	19.40	0.087	19.47	0.089	19.15	0.082
15	16QAM	1	0	19.87	0.097	19.78	0.095	19.70	0.093
15	16QAM	1	37	19.82	0.096	19.69	0.093	19.64	0.092
15	16QAM	1	74	19.74	0.094	19.64	0.092	19.46	0.088
15	16QAM	36	0	18.88	0.077	18.68	0.074	18.56	0.072
15	16QAM	36	20	18.89	0.077	18.57	0.072	18.54	0.071
15	16QAM	36	39	18.83	0.076	18.43	0.070	18.48	0.070
15	16QAM	75	0	18.73	0.075	18.34	0.068	18.40	0.069
15	64QAM	1	0	19.94	0.099	19.68	0.093	19.61	0.091
15	64QAM	1	37	19.90	0.098	19.63	0.092	19.48	0.089
15	64QAM	1	74	19.81	0.096	19.48	0.089	19.43	0.088
15	64QAM	36	0	18.74	0.075	18.57	0.072	18.50	0.071
15	64QAM	36	20	18.62	0.073	18.42	0.070	18.36	0.069
15	64QAM	36	39	18.59	0.072	18.30	0.068	18.27	0.067
15	64QAM	75	0	18.44	0.070	18.21	0.066	18.19	0.066



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	20.55	0.114	20.60	0.115	20.31	0.107
10	QPSK	1	25	20.43	0.110	20.51	0.112	20.19	0.104
10	QPSK	1	49	20.33	0.108	20.40	0.110	20.21	0.105
10	QPSK	25	0	19.61	0.091	19.67	0.093	19.42	0.087
10	QPSK	25	12	19.39	0.087	19.57	0.091	19.29	0.085
10	QPSK	25	25	19.43	0.088	19.52	0.090	19.25	0.084
10	QPSK	50	0	19.34	0.086	19.40	0.087	19.13	0.082
10	16QAM	1	0	19.79	0.095	19.76	0.095	19.63	0.092
10	16QAM	1	25	19.75	0.094	19.65	0.092	19.59	0.091
10	16QAM	1	49	19.71	0.094	19.63	0.092	19.40	0.087
10	16QAM	25	0	18.85	0.077	18.64	0.073	18.52	0.071
10	16QAM	25	12	18.81	0.076	18.55	0.072	18.52	0.071
10	16QAM	25	25	18.75	0.075	18.40	0.069	18.42	0.070
10	16QAM	50	0	19.89	0.097	19.62	0.092	19.56	0.090
10	64QAM	1	0	19.89	0.097	19.57	0.091	19.41	0.087
10	64QAM	1	25	19.77	0.095	19.43	0.088	19.39	0.087
10	64QAM	1	49	18.72	0.074	18.50	0.071	18.43	0.070
10	64QAM	25	0	18.59	0.072	18.37	0.069	18.30	0.068
10	64QAM	25	12	18.55	0.072	18.23	0.067	18.20	0.066
10	64QAM	25	25	18.36	0.069	18.15	0.065	18.13	0.065
10	64QAM	50	0	20.55	0.114	20.60	0.115	20.31	0.107



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	20.50	0.112	20.55	0.114	20.24	0.106
5	QPSK	1	12	20.37	0.109	20.49	0.112	20.14	0.103
5	QPSK	1	24	20.27	0.106	20.34	0.108	20.14	0.103
5	QPSK	12	0	19.55	0.090	19.60	0.091	19.36	0.086
5	QPSK	12	7	19.32	0.086	19.55	0.090	19.27	0.085
5	QPSK	12	13	19.35	0.086	19.49	0.089	19.24	0.084
5	QPSK	25	0	19.31	0.085	19.34	0.086	19.06	0.081
5	16QAM	1	0	19.72	0.094	19.72	0.094	19.58	0.091
5	16QAM	1	12	19.73	0.094	19.62	0.092	19.56	0.090
5	16QAM	1	24	19.68	0.093	19.60	0.091	19.39	0.087
5	16QAM	12	0	18.82	0.076	18.57	0.072	18.47	0.070
5	16QAM	12	7	18.78	0.076	18.50	0.071	18.51	0.071
5	16QAM	12	13	18.68	0.074	18.36	0.069	18.39	0.069
5	16QAM	25	0	18.64	0.073	18.26	0.067	18.32	0.068
5	64QAM	1	0	19.83	0.096	19.59	0.091	19.50	0.089
5	64QAM	1	12	19.86	0.097	19.55	0.090	19.37	0.086
5	64QAM	1	24	19.75	0.094	19.38	0.087	19.35	0.086
5	64QAM	12	0	18.68	0.074	18.46	0.070	18.41	0.069
5	64QAM	12	7	18.52	0.071	18.32	0.068	18.27	0.067
5	64QAM	12	13	18.54	0.071	18.21	0.066	18.14	0.065
5	64QAM	25	0	18.33	0.068	18.09	0.064	18.08	0.064



LTE Band 40, Block A				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				/		38750		/	
Frequency (MHz)				/		2310		/	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	/	/	20.93	0.124	/	/
10	QPSK	1	25	/	/	20.83	0.121	/	/
10	QPSK	1	49	/	/	20.72	0.118	/	/
10	QPSK	25	0	/	/	19.93	0.098	/	/
10	QPSK	25	12	/	/	19.84	0.096	/	/
10	QPSK	25	25	/	/	19.78	0.095	/	/
10	QPSK	50	0	/	/	19.78	0.095	/	/
10	16QAM	1	0	/	/	20.04	0.101	/	/
10	16QAM	1	25	/	/	19.89	0.097	/	/
10	16QAM	1	49	/	/	19.82	0.096	/	/
10	16QAM	25	0	/	/	18.97	0.079	/	/
10	16QAM	25	12	/	/	18.83	0.076	/	/
10	16QAM	25	25	/	/	18.77	0.075	/	/
10	16QAM	50	0	/	/	18.62	0.073	/	/
10	64QAM	1	0	/	/	19.99	0.100	/	/
10	64QAM	1	25	/	/	19.84	0.096	/	/
10	64QAM	1	49	/	/	19.71	0.094	/	/
10	64QAM	25	0	/	/	18.91	0.078	/	/
10	64QAM	25	12	/	/	18.82	0.076	/	/
10	64QAM	25	25	/	/	18.75	0.075	/	/
10	64QAM	50	0	/	/	18.72	0.074	/	/



LTE Band 40, Block A				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				38725		38750		38775	
Frequency (MHz)				2307.5		2310		2312.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	20.67	0.117	20.88	0.122	20.75	0.119
5	QPSK	1	12	20.52	0.113	20.75	0.119	20.60	0.115
5	QPSK	1	24	20.53	0.113	20.68	0.117	20.58	0.114
5	QPSK	12	0	19.75	0.094	19.89	0.097	19.81	0.096
5	QPSK	12	7	19.59	0.091	19.77	0.095	19.64	0.092
5	QPSK	12	13	19.54	0.090	19.71	0.094	19.65	0.092
5	QPSK	25	0	19.56	0.090	19.76	0.095	19.55	0.090
5	16QAM	1	0	19.76	0.095	20.00	0.100	19.89	0.097
5	16QAM	1	12	19.57	0.091	19.85	0.097	19.60	0.091
5	16QAM	1	24	19.50	0.089	19.78	0.095	19.61	0.091
5	16QAM	12	0	18.67	0.074	18.91	0.078	18.77	0.075
5	16QAM	12	7	18.63	0.073	18.83	0.076	18.65	0.073
5	16QAM	12	13	18.57	0.072	18.68	0.074	18.60	0.072
5	16QAM	25	0	18.36	0.069	18.57	0.072	18.39	0.069
5	64QAM	1	0	19.70	0.093	19.93	0.098	19.78	0.095
5	64QAM	1	12	19.52	0.090	19.76	0.095	19.63	0.092
5	64QAM	1	24	19.51	0.089	19.69	0.093	19.58	0.091
5	64QAM	12	0	18.65	0.073	18.88	0.077	18.74	0.075
5	64QAM	12	7	18.61	0.073	18.74	0.075	18.66	0.073
5	64QAM	12	13	18.49	0.071	18.64	0.073	18.50	0.071
5	64QAM	25	0	18.53	0.071	18.63	0.073	18.55	0.072



LTE Band 40, Block B				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				/		39200		/	
Frequency (MHz)				/		2355		/	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	/	/	21.21	0.132	/	/
10	QPSK	1	25	/	/	21.07	0.128	/	/
10	QPSK	1	49	/	/	21.06	0.128	/	/
10	QPSK	25	0	/	/	20.29	0.107	/	/
10	QPSK	25	12	/	/	20.26	0.106	/	/
10	QPSK	25	25	/	/	20.20	0.105	/	/
10	QPSK	50	0	/	/	20.08	0.102	/	/
10	16QAM	1	0	/	/	20.50	0.112	/	/
10	16QAM	1	25	/	/	20.36	0.109	/	/
10	16QAM	1	49	/	/	20.23	0.105	/	/
10	16QAM	25	0	/	/	19.43	0.088	/	/
10	16QAM	25	12	/	/	19.41	0.087	/	/
10	16QAM	25	25	/	/	19.31	0.085	/	/
10	16QAM	50	0	/	/	19.28	0.085	/	/
10	64QAM	1	0	/	/	20.35	0.108	/	/
10	64QAM	1	25	/	/	20.24	0.106	/	/
10	64QAM	1	49	/	/	20.16	0.104	/	/
10	64QAM	25	0	/	/	19.36	0.086	/	/
10	64QAM	25	12	/	/	19.21	0.083	/	/
10	64QAM	25	25	/	/	19.08	0.081	/	/
10	64QAM	50	0	/	/	18.94	0.078	/	/



LTE Band 40, Block B				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39175		39200		39225	
Frequency (MHz)				2352.5		2355		2357.5	
				dBm		dBm		dBm	
				W		W		W	
5	QPSK	1	0	21.11	0.129	21.14	0.130	20.96	0.125
5	QPSK	1	12	20.98	0.125	21.00	0.126	20.93	0.124
5	QPSK	1	24	20.95	0.124	21.00	0.126	20.94	0.124
5	QPSK	12	0	20.22	0.105	20.25	0.106	20.06	0.101
5	QPSK	12	7	20.17	0.104	20.24	0.106	20.13	0.103
5	QPSK	12	13	20.11	0.103	20.12	0.103	20.02	0.100
5	QPSK	25	0	19.91	0.098	20.00	0.100	19.93	0.098
5	16QAM	1	0	20.31	0.107	20.46	0.111	20.34	0.108
5	16QAM	1	12	20.18	0.104	20.33	0.108	20.21	0.105
5	16QAM	1	24	20.06	0.101	20.21	0.105	20.02	0.100
5	16QAM	12	0	19.27	0.085	19.39	0.087	19.29	0.085
5	16QAM	12	7	19.29	0.085	19.38	0.087	19.17	0.083
5	16QAM	12	13	19.20	0.083	19.25	0.084	19.11	0.081
5	16QAM	25	0	19.12	0.082	19.20	0.083	19.14	0.082
5	64QAM	1	0	20.15	0.104	20.34	0.108	20.14	0.103
5	64QAM	1	12	20.12	0.103	20.19	0.104	20.11	0.103
5	64QAM	1	24	20.02	0.100	20.12	0.103	19.87	0.097
5	64QAM	12	0	19.25	0.084	19.32	0.086	19.19	0.083
5	64QAM	12	7	19.08	0.081	19.20	0.083	19.04	0.080
5	64QAM	12	13	18.98	0.079	19.04	0.080	18.90	0.078
5	64QAM	25	0	18.80	0.076	18.91	0.078	18.68	0.074



LTE Band 41				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39750		40620		41490	
Frequency (MHz)				2506		2593		2680	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	21.66	0.147	21.77	0.150	22.16	0.164
20	QPSK	1	49	21.51	0.142	21.64	0.146	21.99	0.158
20	QPSK	1	99	21.36	0.137	21.42	0.139	21.73	0.149
20	QPSK	50	0	19.66	0.092	19.49	0.089	19.68	0.093
20	QPSK	50	24	19.65	0.092	19.38	0.087	19.41	0.087
20	QPSK	50	50	19.65	0.092	19.31	0.085	19.39	0.087
20	QPSK	100	0	19.62	0.092	19.45	0.088	19.69	0.093
20	16QAM	1	0	20.08	0.102	19.45	0.088	20.19	0.104
20	16QAM	1	49	19.99	0.100	19.39	0.087	20.08	0.102
20	16QAM	1	99	19.83	0.096	19.33	0.086	20.03	0.101
20	16QAM	50	0	18.88	0.077	18.57	0.072	19.23	0.084
20	16QAM	50	24	18.84	0.077	18.51	0.071	19.14	0.082
20	16QAM	50	50	18.68	0.074	18.46	0.070	19.07	0.081
20	16QAM	100	0	18.84	0.077	18.53	0.071	19.13	0.082
20	64QAM	1	0	19.94	0.099	19.43	0.088	20.03	0.101
20	64QAM	1	49	19.89	0.097	19.39	0.087	19.99	0.100
20	64QAM	1	99	19.84	0.096	19.34	0.086	19.83	0.096
20	64QAM	50	0	18.94	0.078	18.66	0.073	19.19	0.083
20	64QAM	50	24	18.82	0.076	18.47	0.070	19.11	0.081
20	64QAM	50	50	18.67	0.074	18.44	0.070	19.00	0.079
20	64QAM	100	0	18.88	0.077	18.64	0.073	19.18	0.083



LTE Band 41				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39725		40620		41515	
Frequency (MHz)				2503.5		2593		2682.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	21.64	0.146	21.75	0.150	22.14	0.164
15	QPSK	1	37	21.49	0.141	21.62	0.145	21.97	0.157
15	QPSK	1	74	21.34	0.136	21.40	0.138	21.71	0.148
15	QPSK	36	0	19.64	0.092	19.47	0.089	19.66	0.092
15	QPSK	36	20	19.63	0.092	19.36	0.086	19.39	0.087
15	QPSK	36	39	19.63	0.092	19.29	0.085	19.37	0.086
15	QPSK	75	0	19.60	0.091	19.43	0.088	19.67	0.093
15	16QAM	1	0	20.06	0.101	19.43	0.088	20.17	0.104
15	16QAM	1	37	19.97	0.099	19.37	0.086	20.06	0.101
15	16QAM	1	74	19.81	0.096	19.31	0.085	20.01	0.100
15	16QAM	36	0	18.86	0.077	18.55	0.072	19.21	0.083
15	16QAM	36	20	18.82	0.076	18.49	0.071	19.12	0.082
15	16QAM	36	39	18.66	0.073	18.44	0.070	19.05	0.080
15	16QAM	75	0	18.82	0.076	18.51	0.071	19.11	0.081
15	64QAM	1	0	19.92	0.098	19.41	0.087	20.01	0.100
15	64QAM	1	37	19.87	0.097	19.37	0.086	19.97	0.099
15	64QAM	1	74	19.82	0.096	19.32	0.086	19.81	0.096
15	64QAM	36	0	18.92	0.078	18.64	0.073	19.17	0.083
15	64QAM	36	20	18.80	0.076	18.45	0.070	19.09	0.081
15	64QAM	36	39	18.65	0.073	18.42	0.070	18.98	0.079
15	64QAM	75	0	18.86	0.077	18.62	0.073	19.16	0.082



LTE Band 41				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39700		40620		41540	
Frequency (MHz)				2501		2593		2685	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	21.61	0.145	21.72	0.149	22.11	0.163
10	QPSK	1	25	21.46	0.140	21.59	0.144	21.94	0.156
10	QPSK	1	49	21.31	0.135	21.37	0.137	21.68	0.147
10	QPSK	25	0	19.61	0.091	19.44	0.088	19.63	0.092
10	QPSK	25	12	19.60	0.091	19.33	0.086	19.36	0.086
10	QPSK	25	25	19.60	0.091	19.26	0.084	19.34	0.086
10	QPSK	50	0	19.57	0.091	19.40	0.087	19.64	0.092
10	16QAM	1	0	20.03	0.101	19.40	0.087	20.14	0.103
10	16QAM	1	25	19.94	0.099	19.34	0.086	20.03	0.101
10	16QAM	1	49	19.78	0.095	19.28	0.085	19.98	0.100
10	16QAM	25	0	18.83	0.076	18.52	0.071	19.18	0.083
10	16QAM	25	12	18.79	0.076	18.46	0.070	19.09	0.081
10	16QAM	25	25	18.63	0.073	18.41	0.069	19.02	0.080
10	16QAM	50	0	19.89	0.097	19.38	0.087	19.98	0.100
10	64QAM	1	0	19.84	0.096	19.34	0.086	19.94	0.099
10	64QAM	1	25	19.79	0.095	19.29	0.085	19.78	0.095
10	64QAM	1	49	18.89	0.077	18.61	0.073	19.14	0.082
10	64QAM	25	0	18.77	0.075	18.42	0.070	19.06	0.081
10	64QAM	25	12	18.62	0.073	18.39	0.069	18.95	0.079
10	64QAM	25	25	18.83	0.076	18.59	0.072	19.13	0.082
10	64QAM	50	0	21.61	0.145	21.72	0.149	22.11	0.163



LTE Band 41				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39675		40620		41565	
Frequency (MHz)				2498.5		2593		2687.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	21.59	0.144	21.70	0.148	22.09	0.162
5	QPSK	1	12	21.44	0.139	21.57	0.144	21.92	0.156
5	QPSK	1	24	21.29	0.135	21.35	0.136	21.66	0.147
5	QPSK	12	0	19.59	0.091	19.42	0.087	19.61	0.091
5	QPSK	12	7	19.58	0.091	19.31	0.085	19.34	0.086
5	QPSK	12	13	19.58	0.091	19.24	0.084	19.32	0.086
5	QPSK	25	0	19.55	0.090	19.38	0.087	19.62	0.092
5	16QAM	1	0	20.01	0.100	19.38	0.087	20.12	0.103
5	16QAM	1	12	19.92	0.098	19.32	0.086	20.01	0.100
5	16QAM	1	24	19.76	0.095	19.26	0.084	19.96	0.099
5	16QAM	12	0	18.81	0.076	18.50	0.071	19.16	0.082
5	16QAM	12	7	18.77	0.075	18.44	0.070	19.07	0.081
5	16QAM	12	13	18.61	0.073	18.39	0.069	19.00	0.079
5	16QAM	25	0	18.77	0.075	18.46	0.070	19.06	0.081
5	64QAM	1	0	19.87	0.097	19.36	0.086	19.96	0.099
5	64QAM	1	12	19.82	0.096	19.32	0.086	19.92	0.098
5	64QAM	1	24	19.77	0.095	19.27	0.085	19.76	0.095
5	64QAM	12	0	18.87	0.077	18.59	0.072	19.12	0.082
5	64QAM	12	7	18.75	0.075	18.40	0.069	19.04	0.080
5	64QAM	12	13	18.60	0.072	18.37	0.069	18.93	0.078
5	64QAM	25	0	18.81	0.076	18.57	0.072	19.11	0.081



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	19.77	0.095	19.78	0.095	19.66	0.092
20	QPSK	1	49	19.61	0.091	19.66	0.092	19.61	0.091
20	QPSK	1	99	19.59	0.091	19.52	0.090	19.46	0.088
20	QPSK	50	0	18.54	0.071	18.62	0.073	18.52	0.071
20	QPSK	50	24	18.46	0.070	18.52	0.071	18.49	0.071
20	QPSK	50	50	18.32	0.068	18.48	0.070	18.40	0.069
20	QPSK	100	0	18.28	0.067	18.39	0.069	18.36	0.069
20	16QAM	1	0	19.15	0.082	19.20	0.083	19.15	0.082
20	16QAM	1	49	19.12	0.082	19.10	0.081	19.10	0.081
20	16QAM	1	99	19.09	0.081	18.98	0.079	18.97	0.079
20	16QAM	50	0	18.02	0.063	18.15	0.065	17.96	0.063
20	16QAM	50	24	17.97	0.063	18.06	0.064	17.94	0.062
20	16QAM	50	50	17.94	0.062	18.00	0.063	17.92	0.062
20	16QAM	100	0	17.86	0.061	17.92	0.062	17.89	0.062
20	64QAM	1	0	19.01	0.080	19.10	0.081	19.06	0.081
20	64QAM	1	49	18.95	0.079	19.06	0.081	19.04	0.080
20	64QAM	1	99	18.98	0.079	19.01	0.080	18.97	0.079
20	64QAM	50	0	17.77	0.060	17.79	0.060	17.75	0.060
20	64QAM	50	24	17.71	0.059	17.63	0.058	17.59	0.057
20	64QAM	50	50	17.62	0.058	17.58	0.057	17.53	0.057
20	64QAM	100	0	17.57	0.057	17.45	0.056	17.48	0.056



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	19.61	0.091	19.74	0.094	19.62	0.092
15	QPSK	1	37	19.58	0.091	19.61	0.091	19.55	0.090
15	QPSK	1	74	19.54	0.090	19.49	0.089	19.42	0.087
15	QPSK	36	0	18.49	0.071	18.59	0.072	18.47	0.070
15	QPSK	36	20	18.44	0.070	18.50	0.071	18.47	0.070
15	QPSK	36	39	18.30	0.068	18.46	0.070	18.38	0.069
15	QPSK	75	0	18.24	0.067	18.38	0.069	18.32	0.068
15	16QAM	1	0	19.13	0.082	19.19	0.083	19.09	0.081
15	16QAM	1	37	19.10	0.081	19.06	0.081	19.08	0.081
15	16QAM	1	74	19.05	0.080	18.93	0.078	18.93	0.078
15	16QAM	36	0	17.83	0.061	17.99	0.063	17.76	0.060
15	16QAM	36	20	17.81	0.060	17.88	0.061	17.75	0.060
15	16QAM	36	39	17.75	0.060	17.79	0.060	17.75	0.060
15	16QAM	75	0	17.70	0.059	17.75	0.060	17.72	0.059
15	64QAM	1	0	18.97	0.079	19.07	0.081	19.01	0.080
15	64QAM	1	37	18.91	0.078	19.04	0.080	19.01	0.080
15	64QAM	1	74	18.96	0.079	18.97	0.079	18.95	0.079
15	64QAM	36	0	17.74	0.059	17.70	0.059	17.69	0.059
15	64QAM	36	20	17.69	0.059	17.58	0.057	17.55	0.057
15	64QAM	36	39	17.59	0.057	17.52	0.056	17.48	0.056
15	64QAM	75	0	17.56	0.057	17.43	0.055	17.44	0.055



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	19.63	0.092	19.71	0.094	19.63	0.092
10	QPSK	1	25	19.58	0.091	19.63	0.092	19.57	0.091
10	QPSK	1	49	19.56	0.090	19.47	0.089	19.40	0.087
10	QPSK	25	0	18.50	0.071	18.59	0.072	18.49	0.071
10	QPSK	25	12	18.44	0.070	18.48	0.070	18.45	0.070
10	QPSK	25	25	18.30	0.068	18.47	0.070	18.34	0.068
10	QPSK	50	0	18.23	0.067	18.41	0.069	18.32	0.068
10	16QAM	1	0	19.12	0.082	19.15	0.082	19.10	0.081
10	16QAM	1	25	19.09	0.081	19.08	0.081	19.07	0.081
10	16QAM	1	49	19.07	0.081	18.93	0.078	18.92	0.078
10	16QAM	25	0	17.84	0.061	17.96	0.063	17.77	0.060
10	16QAM	25	12	17.78	0.060	17.90	0.062	17.75	0.060
10	16QAM	25	25	17.75	0.060	17.84	0.061	17.75	0.060
10	16QAM	50	0	17.70	0.059	17.74	0.059	17.71	0.059
10	64QAM	1	0	19.00	0.079	19.07	0.081	19.05	0.080
10	64QAM	1	25	18.92	0.078	19.03	0.080	19.02	0.080
10	64QAM	1	49	18.94	0.078	18.99	0.079	18.94	0.078
10	64QAM	25	0	17.73	0.059	17.75	0.060	17.71	0.059
10	64QAM	25	12	17.68	0.059	17.57	0.057	17.58	0.057
10	64QAM	25	25	17.57	0.057	17.55	0.057	17.48	0.056
10	64QAM	50	0	17.53	0.057	17.40	0.055	17.42	0.055



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	19.61	0.091	19.67	0.093	19.62	0.092
5	QPSK	1	12	19.53	0.090	19.59	0.091	19.55	0.090
5	QPSK	1	24	19.54	0.090	19.44	0.088	19.34	0.086
5	QPSK	12	0	18.45	0.070	18.55	0.072	18.47	0.070
5	QPSK	12	7	18.42	0.070	18.42	0.070	18.44	0.070
5	QPSK	12	13	18.25	0.067	18.44	0.070	18.32	0.068
5	QPSK	25	0	18.18	0.066	18.37	0.069	18.28	0.067
5	16QAM	1	0	19.08	0.081	19.12	0.082	19.06	0.081
5	16QAM	1	12	19.06	0.081	19.03	0.080	19.05	0.080
5	16QAM	1	24	19.02	0.080	18.88	0.077	18.88	0.077
5	16QAM	12	0	17.78	0.060	17.91	0.062	17.75	0.060
5	16QAM	12	7	17.73	0.059	17.89	0.062	17.73	0.059
5	16QAM	12	13	17.73	0.059	17.78	0.060	17.72	0.059
5	16QAM	25	0	17.65	0.058	17.72	0.059	17.65	0.058
5	64QAM	1	0	19.00	0.079	19.07	0.081	19.03	0.080
5	64QAM	1	12	18.90	0.078	19.02	0.080	19.03	0.080
5	64QAM	1	24	18.96	0.079	18.97	0.079	18.92	0.078
5	64QAM	12	0	17.68	0.059	17.73	0.059	17.68	0.059
5	64QAM	12	7	17.64	0.058	17.53	0.057	17.55	0.057
5	64QAM	12	13	17.55	0.057	17.53	0.057	17.46	0.056
5	64QAM	25	0	17.49	0.056	17.38	0.055	17.38	0.055



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	19.59	0.091	19.62	0.092	19.60	0.091
3	QPSK	1	8	19.49	0.089	19.57	0.091	19.50	0.089
3	QPSK	1	14	19.50	0.089	19.39	0.087	19.29	0.085
3	QPSK	8	0	18.42	0.070	18.53	0.071	18.43	0.070
3	QPSK	8	4	18.40	0.069	18.39	0.069	18.41	0.069
3	QPSK	8	7	18.22	0.066	18.43	0.070	18.28	0.067
3	QPSK	15	0	18.14	0.065	18.34	0.068	18.26	0.067
3	16QAM	1	0	19.03	0.080	19.09	0.081	19.03	0.080
3	16QAM	1	8	19.01	0.080	19.00	0.079	19.03	0.080
3	16QAM	1	14	18.99	0.079	18.85	0.077	18.86	0.077
3	16QAM	8	0	17.73	0.059	17.86	0.061	17.71	0.059
3	16QAM	8	4	17.71	0.059	17.88	0.061	17.71	0.059
3	16QAM	8	7	17.71	0.059	17.77	0.060	17.68	0.059
3	16QAM	15	0	17.63	0.058	17.68	0.059	17.59	0.057
3	64QAM	1	0	18.98	0.079	19.08	0.081	19.01	0.080
3	64QAM	1	8	18.91	0.078	19.03	0.080	19.02	0.080
3	64QAM	1	14	18.93	0.078	18.97	0.079	18.93	0.078
3	64QAM	8	0	17.65	0.058	17.71	0.059	17.65	0.058
3	64QAM	8	4	17.62	0.058	17.52	0.056	17.52	0.056
3	64QAM	8	7	17.49	0.056	17.50	0.056	17.43	0.055
3	64QAM	15	0	17.47	0.056	17.34	0.054	17.35	0.054



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	19.59	0.091	19.65	0.092	19.60	0.091
1.4	QPSK	1	3	19.48	0.089	19.55	0.090	19.52	0.090
1.4	QPSK	1	5	19.50	0.089	19.41	0.087	19.32	0.086
1.4	QPSK	3	0	18.42	0.070	18.52	0.071	18.43	0.070
1.4	QPSK	3	1	18.41	0.069	18.40	0.069	18.39	0.069
1.4	QPSK	3	3	18.24	0.067	18.41	0.069	18.28	0.067
1.4	QPSK	6	0	18.12	0.065	18.34	0.068	18.24	0.067
1.4	16QAM	1	0	19.06	0.081	19.08	0.081	19.01	0.080
1.4	16QAM	1	3	19.04	0.080	18.98	0.079	19.02	0.080
1.4	16QAM	1	5	19.00	0.079	18.84	0.077	18.84	0.077
1.4	16QAM	3	0	17.74	0.059	17.90	0.062	17.72	0.059
1.4	16QAM	3	1	17.70	0.059	17.85	0.061	17.68	0.059
1.4	16QAM	3	3	17.67	0.058	17.77	0.060	17.69	0.059
1.4	16QAM	6	0	17.62	0.058	17.68	0.059	17.63	0.058
1.4	64QAM	1	0	18.94	0.078	19.07	0.081	18.97	0.079
1.4	64QAM	1	3	18.90	0.078	18.99	0.079	18.99	0.079
1.4	64QAM	1	5	18.91	0.078	18.95	0.079	18.91	0.078
1.4	64QAM	3	0	17.66	0.058	17.69	0.059	17.67	0.058
1.4	64QAM	3	1	17.58	0.057	17.51	0.056	17.52	0.056
1.4	64QAM	3	3	17.53	0.057	17.50	0.056	17.40	0.055
1.4	64QAM	6	0	17.45	0.056	17.34	0.054	17.34	0.054



LTE Band 71				Measured E.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	15.89	0.039	15.93	0.039	15.77	0.038
20	QPSK	1	49	15.77	0.038	15.85	0.038	15.66	0.037
20	QPSK	1	99	15.63	0.037	15.77	0.038	15.55	0.036
20	QPSK	50	0	14.76	0.030	14.82	0.030	14.71	0.030
20	QPSK	50	24	14.65	0.029	14.77	0.030	14.58	0.029
20	QPSK	50	50	14.57	0.029	14.65	0.029	14.49	0.028
20	QPSK	100	0	14.48	0.028	14.54	0.028	14.39	0.027
20	16QAM	1	0	15.06	0.032	15.08	0.032	15.23	0.033
20	16QAM	1	49	15.02	0.032	14.94	0.031	15.19	0.033
20	16QAM	1	99	14.98	0.031	14.91	0.031	15.17	0.033
20	16QAM	50	0	13.87	0.024	13.90	0.025	13.85	0.024
20	16QAM	50	24	13.77	0.024	13.82	0.024	13.82	0.024
20	16QAM	50	50	13.72	0.024	13.70	0.023	13.69	0.023
20	16QAM	100	0	13.58	0.023	13.60	0.023	13.60	0.023
20	64QAM	1	0	14.99	0.032	14.88	0.031	15.08	0.032
20	64QAM	1	49	14.90	0.031	14.84	0.030	15.07	0.032
20	64QAM	1	99	14.81	0.030	14.76	0.030	15.05	0.032
20	64QAM	50	0	13.82	0.024	13.84	0.024	13.86	0.024
20	64QAM	50	24	13.72	0.024	13.82	0.024	13.73	0.024
20	64QAM	50	50	13.64	0.023	13.71	0.023	13.65	0.023
20	64QAM	100	0	13.59	0.023	13.60	0.023	13.58	0.023



LTE Band 71				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133197		133297		133397	
Frequency (MHz)				670.5		680.5		690.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	15.81	0.038	15.86	0.039	15.71	0.037
15	QPSK	1	37	15.70	0.037	15.79	0.038	15.64	0.037
15	QPSK	1	74	15.56	0.036	15.74	0.037	15.50	0.035
15	QPSK	36	0	14.74	0.030	14.79	0.030	14.63	0.029
15	QPSK	36	20	14.58	0.029	14.71	0.030	14.55	0.029
15	QPSK	36	39	14.49	0.028	14.64	0.029	14.48	0.028
15	QPSK	75	0	14.44	0.028	14.49	0.028	14.33	0.027
15	16QAM	1	0	14.99	0.032	15.00	0.032	15.16	0.033
15	16QAM	1	37	14.96	0.031	14.90	0.031	15.13	0.033
15	16QAM	1	74	14.90	0.031	14.89	0.031	15.15	0.033
15	16QAM	36	0	13.86	0.024	13.87	0.024	13.81	0.024
15	16QAM	36	20	13.76	0.024	13.78	0.024	13.81	0.024
15	16QAM	36	39	13.67	0.023	13.63	0.023	13.64	0.023
15	16QAM	75	0	13.57	0.023	13.53	0.023	13.59	0.023
15	64QAM	1	0	14.93	0.031	14.87	0.031	15.02	0.032
15	64QAM	1	37	14.86	0.031	14.76	0.030	15.02	0.032
15	64QAM	1	74	14.77	0.030	14.75	0.030	15.00	0.032
15	64QAM	36	0	13.80	0.024	13.77	0.024	13.85	0.024
15	64QAM	36	20	13.69	0.023	13.77	0.024	13.71	0.023
15	64QAM	36	39	13.60	0.023	13.66	0.023	13.58	0.023
15	64QAM	75	0	13.53	0.023	13.56	0.023	13.55	0.023



LTE Band 71				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133172		133297		133422	
Frequency (MHz)				668		680.5		693	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	15.75	0.038	15.84	0.038	15.66	0.037
10	QPSK	1	25	15.63	0.037	15.75	0.038	15.60	0.036
10	QPSK	1	49	15.48	0.035	15.72	0.037	15.48	0.035
10	QPSK	25	0	14.69	0.029	14.72	0.030	14.60	0.029
10	QPSK	25	12	14.51	0.028	14.70	0.030	14.49	0.028
10	QPSK	25	25	14.48	0.028	14.62	0.029	14.44	0.028
10	QPSK	50	0	14.43	0.028	14.47	0.028	14.26	0.027
10	16QAM	1	0	14.96	0.031	14.95	0.031	15.09	0.032
10	16QAM	1	25	14.92	0.031	14.83	0.030	15.08	0.032
10	16QAM	1	49	14.88	0.031	14.85	0.031	15.07	0.032
10	16QAM	25	0	13.82	0.024	13.82	0.024	13.77	0.024
10	16QAM	25	12	13.74	0.024	13.76	0.024	13.78	0.024
10	16QAM	25	25	13.60	0.023	13.56	0.023	13.61	0.023
10	16QAM	50	0	13.55	0.023	13.46	0.022	13.54	0.023
10	64QAM	1	0	14.86	0.031	14.81	0.030	15.01	0.032
10	64QAM	1	25	14.84	0.030	14.71	0.030	15.01	0.032
10	64QAM	1	49	14.73	0.030	14.68	0.029	14.95	0.031
10	64QAM	25	0	13.77	0.024	13.69	0.023	13.83	0.024
10	64QAM	25	12	13.67	0.023	13.75	0.024	13.68	0.023
10	64QAM	25	25	13.58	0.023	13.61	0.023	13.54	0.023
10	64QAM	50	0	13.47	0.022	13.52	0.022	13.48	0.022



LTE Band 71				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133147		133297		133447	
Frequency (MHz)				665.5		680.5		695.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	15.72	0.037	15.78	0.038	15.63	0.037
5	QPSK	1	12	15.56	0.036	15.71	0.037	15.56	0.036
5	QPSK	1	24	15.43	0.035	15.71	0.037	15.42	0.035
5	QPSK	12	0	14.68	0.029	14.68	0.029	14.58	0.029
5	QPSK	12	7	14.45	0.028	14.67	0.029	14.44	0.028
5	QPSK	12	13	14.41	0.028	14.58	0.029	14.42	0.028
5	QPSK	25	0	14.38	0.027	14.47	0.028	14.23	0.026
5	16QAM	1	0	14.94	0.031	14.94	0.031	15.03	0.032
5	16QAM	1	12	14.88	0.031	14.77	0.030	15.05	0.032
5	16QAM	1	24	14.83	0.030	14.83	0.030	15.04	0.032
5	16QAM	12	0	13.79	0.024	13.78	0.024	13.70	0.023
5	16QAM	12	7	13.72	0.024	13.71	0.023	13.74	0.024
5	16QAM	12	13	13.56	0.023	13.50	0.022	13.55	0.023
5	16QAM	25	0	13.48	0.022	13.39	0.022	13.48	0.022
5	64QAM	1	0	14.83	0.030	14.79	0.030	15.01	0.032
5	64QAM	1	12	14.82	0.030	14.69	0.029	14.96	0.031
5	64QAM	1	24	14.71	0.030	14.62	0.029	14.90	0.031
5	64QAM	12	0	13.74	0.024	13.64	0.023	13.77	0.024
5	64QAM	12	7	13.63	0.023	13.69	0.023	13.64	0.023
5	64QAM	12	13	13.55	0.023	13.60	0.023	13.48	0.022
5	64QAM	25	0	13.42	0.022	13.46	0.022	13.46	0.022



2.2. Radiated Spurious Emissions

2.2.1. Requirement

According to FCC section 2.1051, the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43+10*\log(P)$ dB. This calculated to be -13dBm.

Additional requirement for LTE Band 7, 38, 41

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $55 + 10 \log(P)$ dB. This calculated to be -25dBm.

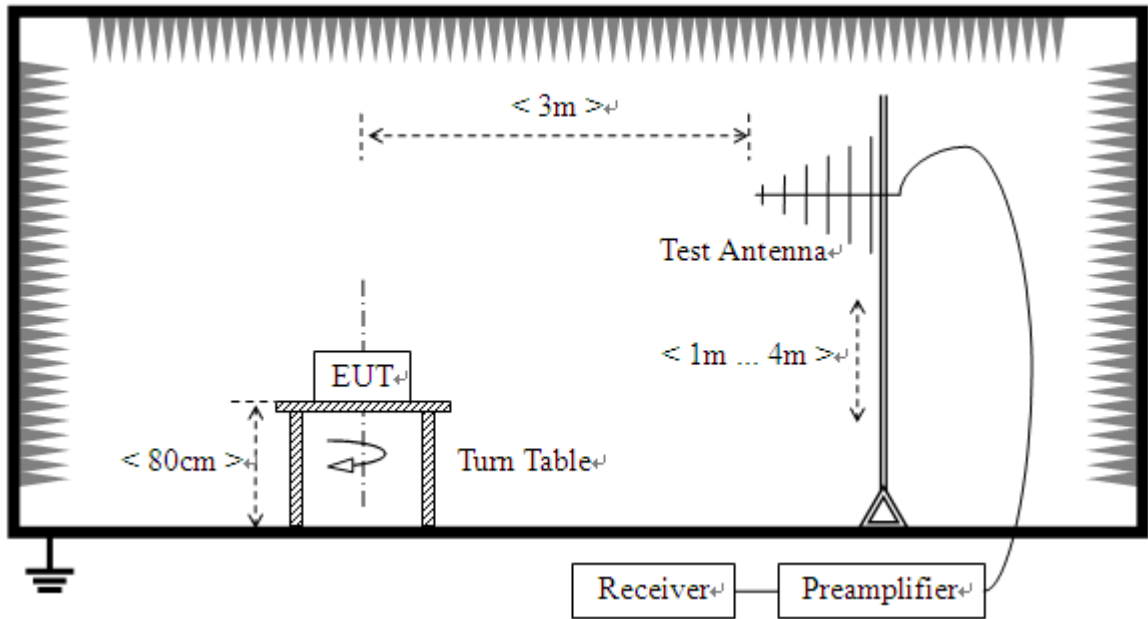
Additional requirement for Band 13

For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (E.I.R.P.) for wideband signals, and -80 dBW E.I.R.P. for discrete emissions of less than 700 Hz bandwidth. This calculated to be -40dBm.

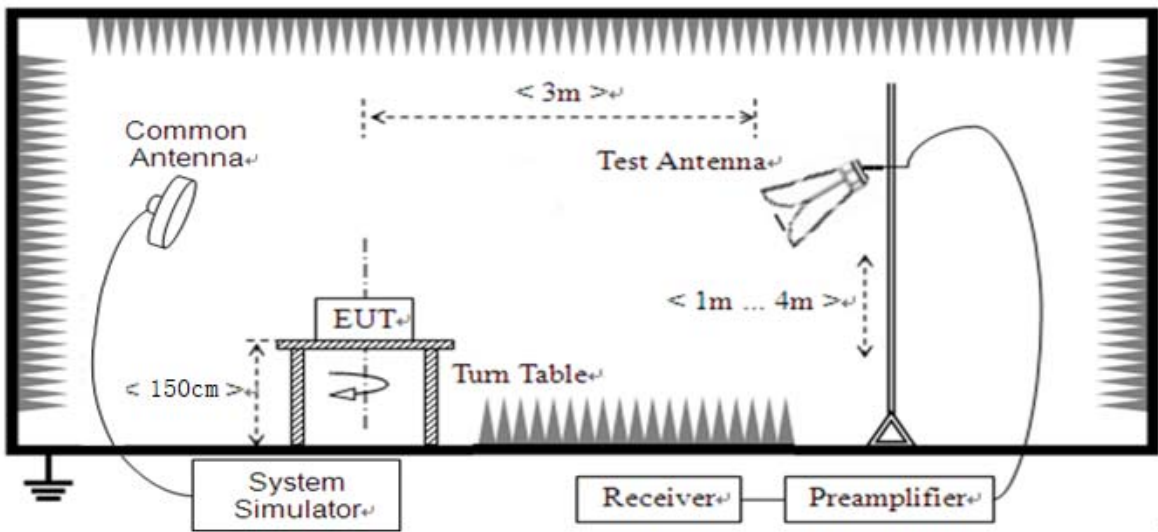
Additional requirement for LTE Band 40

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $70 + 10 \log(P)$ dB. This calculated to be -40dBm.

2.2.2. Test Description



(For the test frequency from 30MHz to1GHz)



(For the test frequency above 1GHz)



The EUT is located in a 3m Full-Anechoic Chamber, the cable loss, air loss and so on of the site as factors are pre-calibrated using the "Substitution" method, and calculated to correct the reading.

A call is established between the EUT and the SS via a Common Antenna. The EUT is commanded by the SS to operate at the maximum and minimum output power, and only the test result of the maximum output power was recorded.

In the frequency range above 30MHz, Bi-Log Test Antenna (30MHz to 1GHz) and Horn Test Antenna (above 1GHz) are used. Test Antenna is 3m away from the EUT. Test Antenna height is varied from 1m to 4m above the ground and the Turn Table is actuated to turn from 0° to 360° to determine the maximum value of the radiated power. The emission levels at both horizontal and vertical polarizations should be tested. The Filters consists of Notch Filters and High Pass Filter.

Note: When doing measurements above 1GHz, the EUT has been within the 3dB cone width of the horn antenna during horizontal antenna.

2.2.3. Test Procedure

KDB 971168 D01v03 Section 5.8 and ANSI/TIA-603-E-2016.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements.

For measurements above 1GHz (exclude 1559-1610 MHz) the resolution bandwidth is set to 1MHz, the video band width is set to 3MHz for peak measurements.



2.2.4. Test Result

The measurement frequency range is from 30MHz to the 10th harmonic of the fundamental frequency. The Turn Table is actuated to turn from 0° to 360°, and both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power. The lowest, middle and highest channels are tested to verify the out of band emissions.

The substitution corrections are obtained as described below:

$$A_{\text{SUBST}} = P_{\text{SUBST_TX}} - P_{\text{SUBST_RX}} - L_{\text{SUBST_CABLES}} + G_{\text{SUBST_TX_ANT}}$$

$$A_{\text{TOT}} = L_{\text{CABLES}} + A_{\text{SUBST}}$$

Where A_{SUBST} is the final substitution correction including receive antenna gain.

$P_{\text{SUBST_TX}}$ is signal generator level,

$P_{\text{SUBST_RX}}$ is receiver level,

$L_{\text{SUBST_CABLES}}$ is cable losses including TX cable,

$G_{\text{SUBST_TX_ANT}}$ is substitution antenna gain.

A_{TOT} is total correction factor including cable loss and substitution correction

During the test, the data of A_{TOT} was added in the test spectrum analyze, so spectrum analyze reading is the final values which contain the data of A_{TOT} .

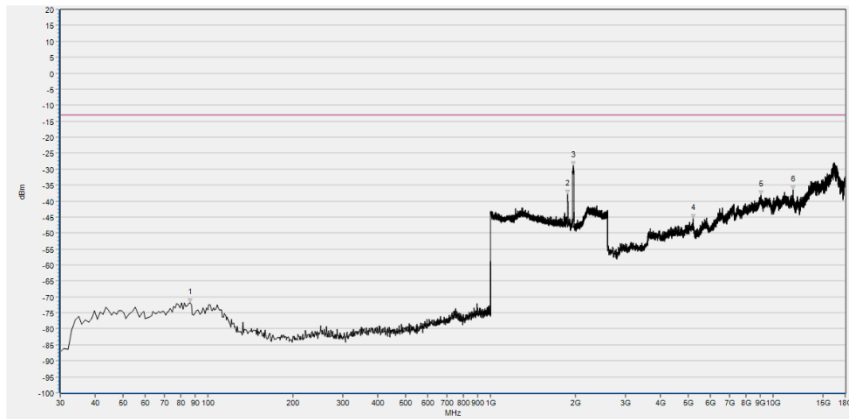
Note1: The power of the EUT transmitting frequency should be ignored.

Note2: All Spurious Emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

Note3: All bandwidth and modulation were considered and evaluated respectively by performing full test for each band, only the worst cases (Max Bandwidth and QPSK mode) were recorded in this test report.

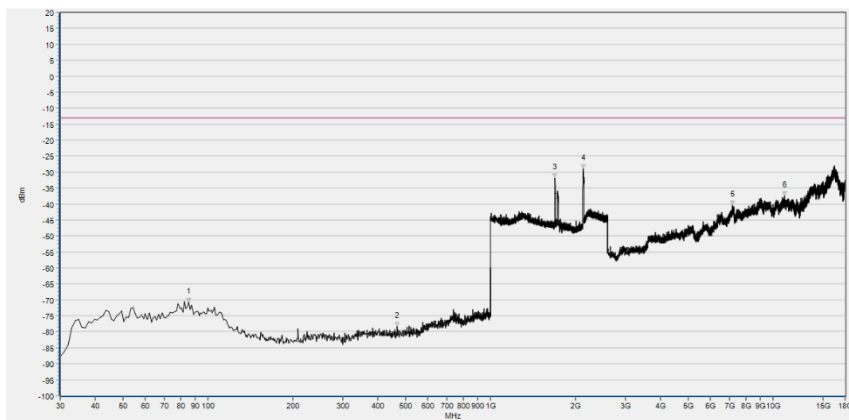
Note 4: N/A means the frequency is the basic frequency or the base station frequency, they are no need to verdict.

LTE Band 2, 20MHz BW, Mid Channel, QPSK



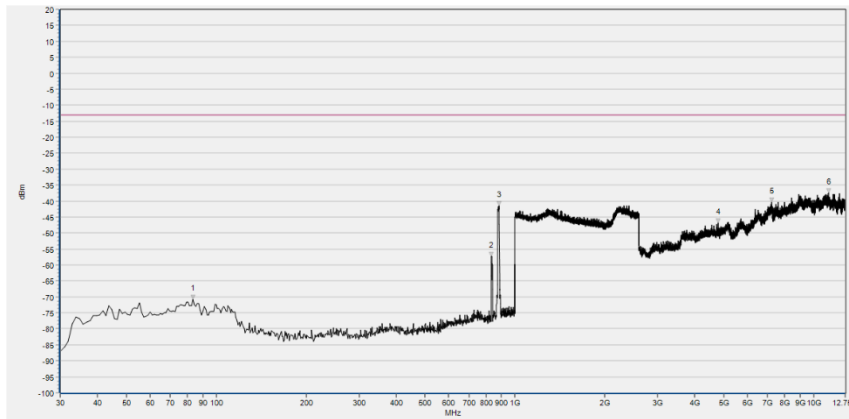
No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	86.260	-71.73	-13.00	Horizontal	PASS
2	1877.151	-37.81	-13.00	Horizontal	N/A
3	1962.945	-28.95	-13.00	Horizontal	N/A
4	5207.274	-45.55	-13.00	Horizontal	PASS
5	9063.575	-38.00	-13.00	Horizontal	PASS
6	11749.264	-36.60	-13.00	Horizontal	PASS

LTE Band 4, 20MHz BW, Mid Channel, QPSK



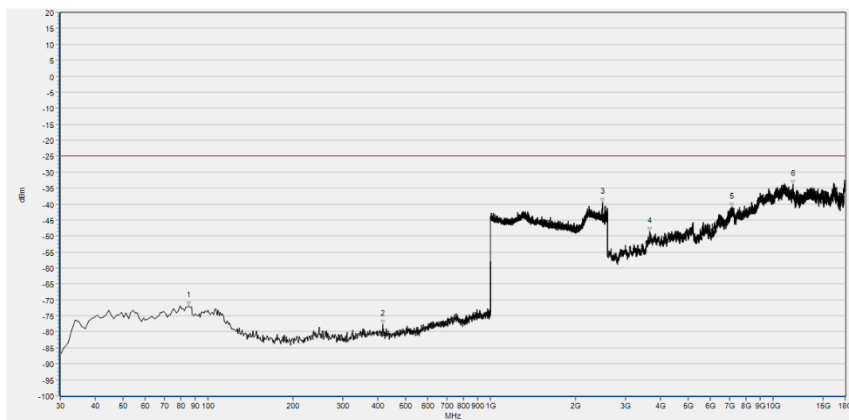
No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	85.290	-70.81	-13.00	Horizontal	PASS
2	467.470	-78.31	-13.00	Horizontal	PASS
3	1692.117	-31.89	-13.00	Horizontal	PASS
4	2132.613	-28.99	-13.00	Horizontal	PASS
5	7164.830	-40.34	-13.00	Horizontal	PASS
6	11004.328	-37.48	-13.00	Horizontal	PASS

LTE Band 5, 10MHz BW, Mid Channel, QPSK



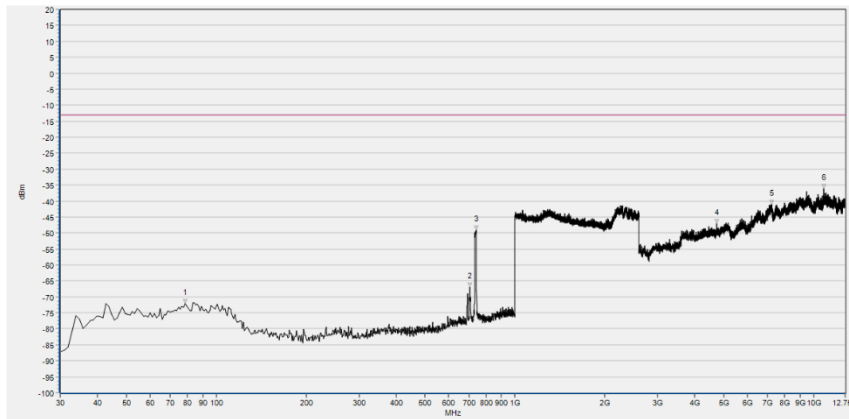
No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	83.350	-70.82	-13.00	Horizontal	PASS
2	834.130	-57.26	-13.00	Horizontal	N/A
3	884.570	-41.47	-13.00	Horizontal	N/A
4	4778.032	-46.90	-13.00	Horizontal	PASS
5	7238.471	-40.40	-13.00	Horizontal	PASS
6	11205.074	-37.44	-13.00	Horizontal	PASS

LTE Band 7, 20MHz BW, Mid Channel, QPSK



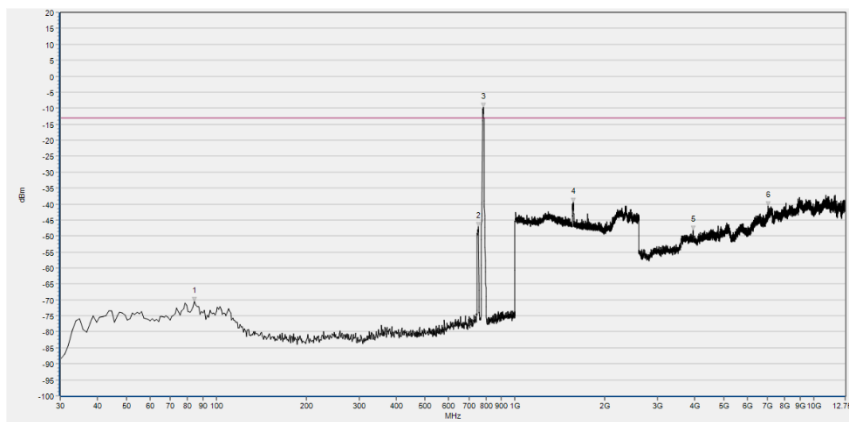
No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	85.290	-71.87	-25.00	Horizontal	PASS
2	415.090	-77.55	-25.00	Horizontal	PASS
3	2491.156	-39.50	-25.00	Horizontal	N/A
4	3661.393	-48.59	-25.00	Horizontal	PASS
5	7156.428	-40.96	-25.00	Horizontal	PASS
6	11740.862	-33.95	-25.00	Horizontal	PASS

LTE Band 12, 10MHz BW, Mid Channel, QPSK



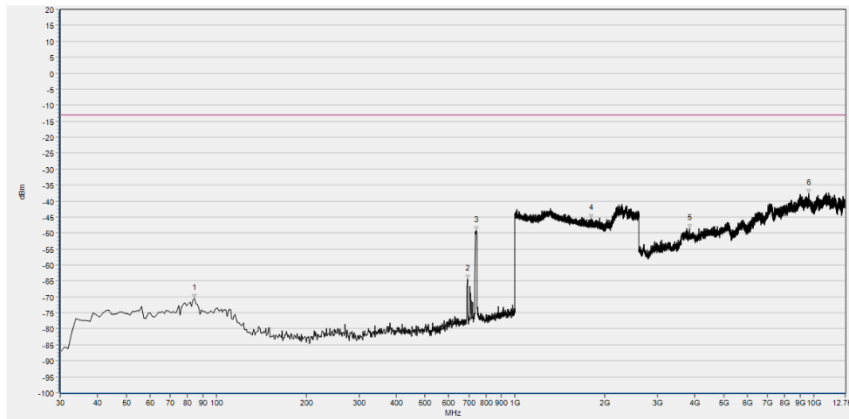
No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	78.549	-72.09	-13.00	Horizontal	PASS
2	705.796	-66.90	-13.00	Horizontal	N/A
3	741.722	-49.11	-13.00	Horizontal	N/A
4	4738.018	-47.12	-13.00	Horizontal	PASS
5	7241.508	-41.06	-13.00	Horizontal	PASS
6	10823.145	-36.06	-13.00	Horizontal	PASS

LTE Band 13, 5MHz BW, Mid Channel, QPSK



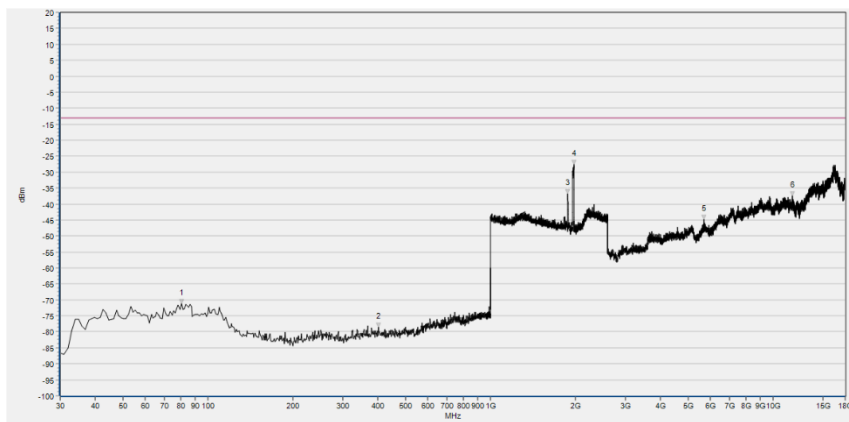
No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	84.374	-70.56	-13.00	Horizontal	PASS
2	754.344	-47.08	-13.00	Horizontal	N/A
3	782.503	-9.75	-13.00	Horizontal	N/A
4	1568.189	-39.52	-13.00	Horizontal	PASS
5	3940.068	-48.18	-13.00	Horizontal	PASS
6	7054.711	-40.65	-13.00	Horizontal	PASS

LTE Band 17, 10MHz BW, Mid Channel, QPSK



No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	84.374	-70.51	-13.00	Horizontal	PASS
2	694.144	-64.39	-13.00	Horizontal	N/A
3	739.780	-49.36	-13.00	Horizontal	N/A
4	1796.532	-45.54	-13.00	Horizontal	PASS
5	3850.730	-48.68	-13.00	Horizontal	PASS
6	9647.540	-37.65	-13.00	Horizontal	PASS

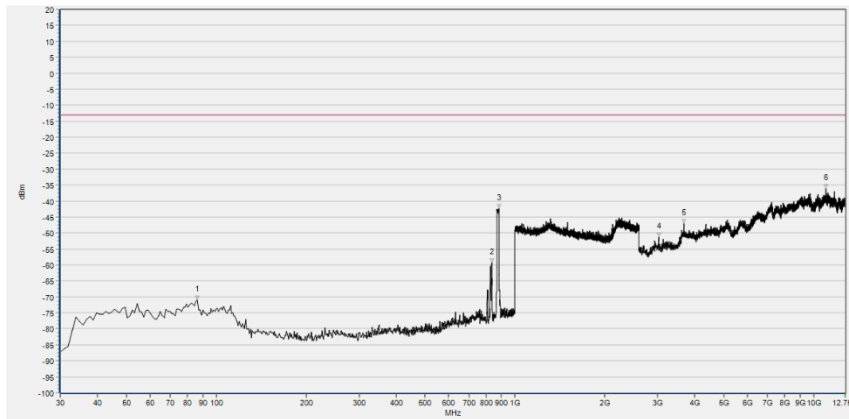
LTE Band 25, 20MHz BW, Mid Channel, QPSK



No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	80.440	-71.23	-13.00	Horizontal	PASS
2	401.510	-78.60	-13.00	Horizontal	PASS
3	1877.151	-36.83	-13.00	Horizontal	N/A
4	1970.628	-27.70	-13.00	Horizontal	N/A
5	5694.563	-44.84	-13.00	Horizontal	PASS
6	11732.460	-37.43	-13.00	Horizontal	PASS

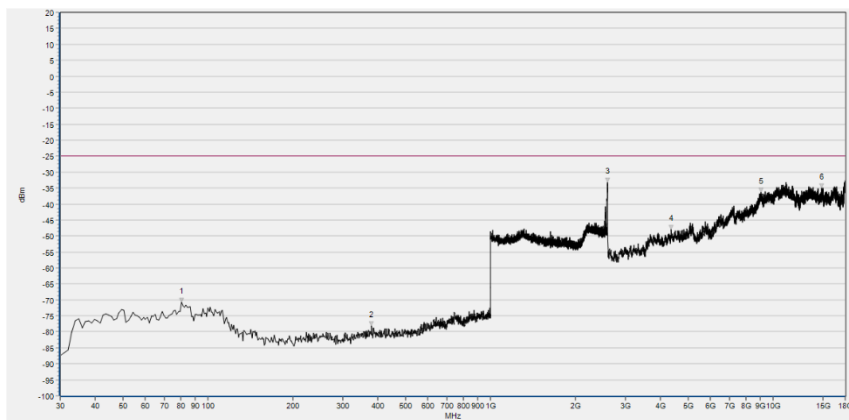


LTE Band 26, 15MHz BW, Mid Channel, QPSK



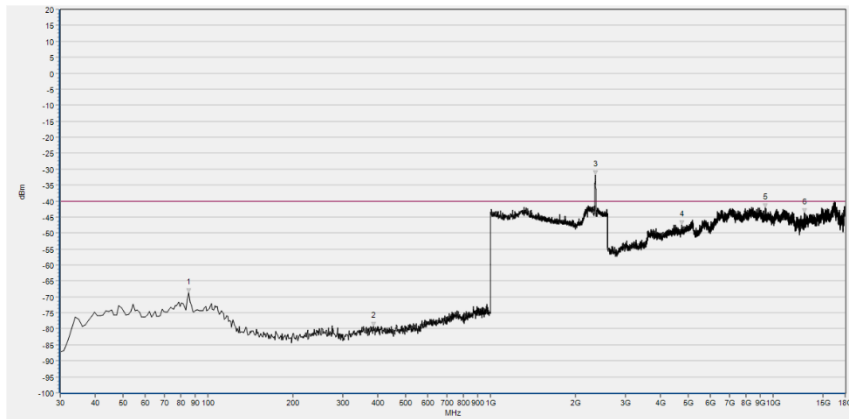
No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	86.316	-71.04	-13.00	Horizontal	PASS
2	834.935	-59.38	-13.00	Horizontal	N/A
3	882.513	-42.27	-13.00	Horizontal	N/A
4	3026.442	-51.25	-13.00	Horizontal	PASS
5	3672.874	-47.07	-13.00	Horizontal	PASS
6	10966.389	-36.03	-13.00	Horizontal	PASS

LTE Band 38, 20MHz BW, Mid Channel, QPSK



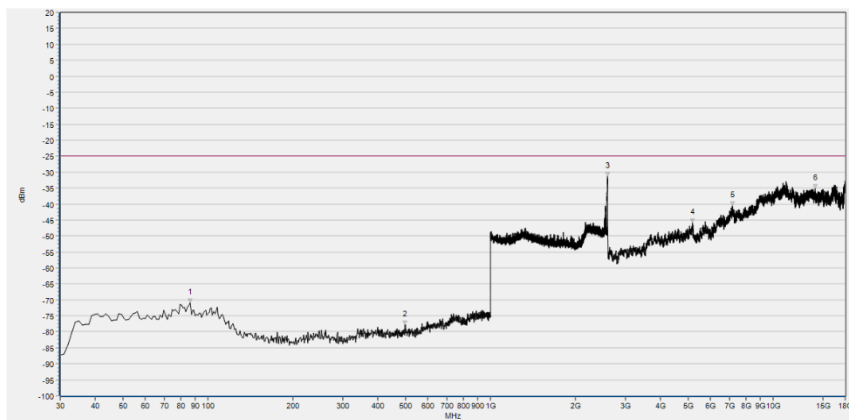
No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	80.490	-70.64	-25.00	Horizontal	PASS
2	379.550	-78.07	-25.00	Horizontal	PASS
3	2597.866	-33.17	-25.00	Horizontal	N/A
4	4365.193	-47.94	-25.00	Horizontal	PASS
5	9060.052	-36.39	-25.00	Horizontal	PASS
6	14876.255	-34.95	-25.00	Horizontal	PASS

LTE Band 40, 10MHz BW, Mid Channel, QPSK



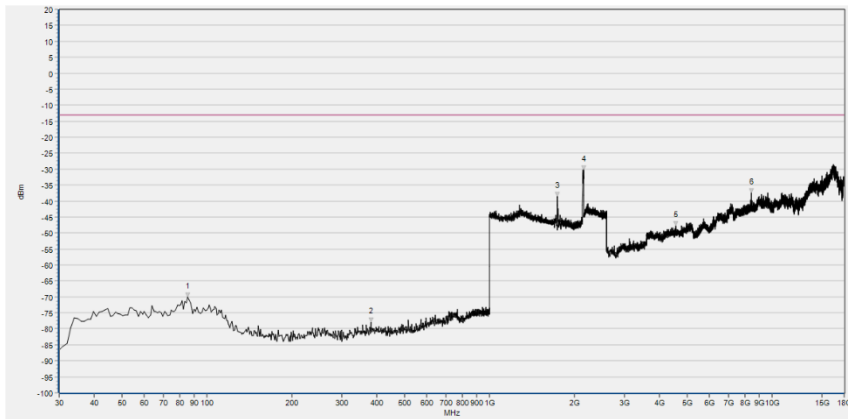
No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	85.345	-68.78	-40.00	Horizontal	PASS
2	385.375	-79.17	-40.00	Horizontal	PASS
3	2351.752	-31.87	-40.00	Horizontal	N/A
4	4750.270	-47.46	-40.00	Horizontal	PASS
5	9383.517	-43.01	-40.00	Horizontal	PASS
6	12895.419	-43.79	-40.00	Horizontal	PASS

LTE Band 41, 20MHz BW, Mid Channel, QPSK



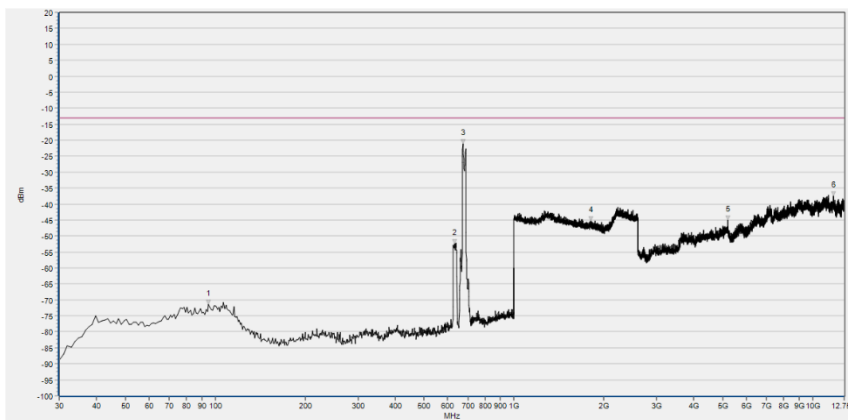
No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	86.316	-71.03	-25.00	Horizontal	PASS
2	498.979	-77.94	-25.00	Horizontal	PASS
3	2594.665	-31.30	-25.00	Horizontal	N/A
4	5175.395	-45.83	-25.00	Horizontal	PASS
5	7165.473	-40.55	-25.00	Horizontal	PASS
6	14066.053	-35.16	-25.00	Horizontal	PASS

LTE Band 66, 20MHz BW, Mid Channel, QPSK



No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	85.345	-70.01	-13.00	Horizontal	PASS
2	380.521	-77.80	-13.00	Horizontal	PASS
3	1737.969	-38.44	-13.00	Horizontal	N/A
4	2151.776	-30.25	-13.00	Horizontal	N/A
5	4563.827	-47.66	-13.00	Horizontal	PASS
6	8450.408	-37.44	-13.00	Horizontal	PASS

LTE Band 71, 20MHz BW, Mid Channel, QPSK



No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	94.990	-71.40	-13.00	Horizontal	PASS
2	633.340	-52.43	-13.00	Horizontal	N/A
3	674.080	-21.09	-13.00	Horizontal	N/A
4	1805.442	-45.32	-13.00	Horizontal	PASS
5	5193.335	-44.92	-13.00	Horizontal	PASS
6	11723.741	-37.35	-13.00	Horizontal	PASS



Annex A Test Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for test performed on the EUT as specified in CISPR 16-1-2:

Test Items	Uncertainty
Output Power	± 2.22 dB
Equivalent Isotropic Radiated Power	± 2.22 dB
Radiated Spurious Emissions	± 6 dB

This uncertainty represent an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.



Annex B Testing Laboratory Information

1. Identification of the Responsible Testing Laboratory

Laboratory Name:	Shenzhen Morlab Communications Technology Co., Ltd.
Laboratory Address:	FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China
Telephone:	+86 755 36698555
Facsimile:	+86 755 36698525

2. Identification of the Responsible Testing Location

Name:	Shenzhen Morlab Communications Technology Co., Ltd.
Address:	FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China

3. Facilities and Accreditations

All measurement facilities used to collect the measurement data are located at FL.3, Building A, FeiYang Science Park, Block 67, BaoAn District, Shenzhen, 518101 P. R. China. The test site is constructed in conformance with the requirements of ANSI C63.10-2013 and CISPR Publication 22; the FCC designation number is CN1192, the test firm registration number is 226174.



4. Test Equipments Utilized

4.1 Conducted Test Equipments

Equipment Name	Serial No.	Type	Manufacturer	Cal. Date	Due Date
Power Splitter	NW521	1506A	Weinschel	N/A	N/A
Attenuator 1	(N/A.)	10dB	Resnet	N/A	N/A
Attenuator 2	(N/A.)	3dB	Resnet	N/A	N/A
EXA Signal Analyzer	MY51511149	N9020A	Agilent	2020.07.27	2021.07.26
				2021.07.26	2022.07.25
USB Power Sensor	MY54210011	U2021XA	Agilent	2020.10.23	2021.10.22
System Simulator	6200995016	MT8820C	Anritsu	2020.10.28	2021.10.27
System Simulator	6261830572	MT8821C	Anritsu	2021.02.25	2022.02.24
RF Cable (30MHz-26GHz)	CB01	RF01	Morlab	N/A	N/A
Coaxial Cable	CB02	RF02	Morlab	N/A	N/A
SMA Connector	CN01	RF03	HUBER-SUHNER	N/A	N/A
Temperature Chamber	20171112102	HZ-2019	Dongguan Lixian Instrument Technology Co., Ltd	2020.10.26	2021.10.25
Computer	T430i	Think Pad	Lenovo	N/A	N/A
Software Version: Morlab FCC Test System V2.8					



4.2 Radiated Test Equipments

Equipment Name	Serial No.	Type	Manufacturer	Cal. Date	Due Date
System Simulator	152038	CMW500	R&S	2020.11.19	2021.11.18
System Simulator	6200995016	MT8820C	Anritsu	2020.10.28	2021.10.27
Receiver	MY54130016	N9038A	Agilent	2020.07.21	2021.07.20
				2021.07.16	2022.07.15
Test Antenna - Bi-Log	9163-519	VULB 9163	Schwarzbeck	2019.05.24	2022.05.23
Test Antenna - Horn	9170C-531	BBHA9170	Schwarzbeck	2019.07.26	2022.07.25
Test Antenna - Horn	01774	BBHA 9120D	Schwarzbeck	2019.07.26	2022.07.25
Coaxial cable (N male) (9KHz-30MHz)	CB04	EMC04	Morlab	N/A	N/A
Coaxial cable (N male) (30MHz-26GHz)	CB02	EMC02	Morlab	N/A	N/A
Coaxial cable (N male) (30MHz-26GHz)	CB03	EMC03	Morlab	N/A	N/A
Coaxial cable (N male) (30MHz-40GHz)	CB05	EMC05	Morlab	N/A	N/A
1-18GHz pre-Amplifier	61171/61172	S020180L3203	Tonscend	2020.07.21	2021.07.20
				2021.07.16	2022.07.15
18-26.5GHz pre-Amplifier	46732	S10M100L3802	Tonscend	2020.07.21	2021.07.20
				2021.07.16	2022.07.15
26-40GHz pre-Amplifier	56774	S40M400L4002	Tonscend	2020.07.21	2021.07.20
				2021.07.16	2022.07.15
Notch Filter	N/A	WRCGV-LTE B2	Wainwright	2020.07.21	2021.07.20
				2021.07.16	2022.07.15
Notch Filter	N/A	WRCGV-LTE B4	Wainwright	2020.07.21	2021.07.20
				2021.07.16	2022.07.15
Notch Filter	N/A	WRCGV-LTE B5	Wainwright	2020.07.21	2021.07.20
				2021.07.16	2022.07.15



Equipment Name	Serial No.	Type	Manufacturer	Cal. Date	Due Date
Notch Filter	N/A	WRCGV -LTE B7	Wainwright	2020.07.21	2021.07.20
				2021.07.16	2022.07.15
Notch Filter	N/A	WRCGV -LTE B12	Wainwright	2020.07.21	2021.07.20
				2021.07.16	2022.07.15
Notch Filter	N/A	WRCGV -LTE B13	Wainwright	2020.07.21	2021.07.20
				2021.07.16	2022.07.15
Notch Filter	N/A	WRCGV -LTE 25	Wainwright	2020.07.21	2021.07.20
				2021.07.16	2022.07.15
Notch Filter	N/A	WRCGV -LTE 26	Wainwright	2020.07.21	2021.07.20
				2021.07.16	2022.07.15
Notch Filter	N/A	WRCGV -LTE B38	Wainwright	2020.07.21	2021.07.20
				2021.07.16	2022.07.15
Notch Filter	N/A	WRCGV -LTE 40	Wainwright	2020.07.21	2021.07.20
				2021.07.16	2022.07.15
Notch Filter	N/A	WRCGV -LTE B41	Wainwright	2020.07.21	2021.07.20
				2021.07.16	2022.07.15
Notch Filter	N/A	WRCGV -LTE B66	Wainwright	2020.07.21	2021.07.20
				2021.07.16	2022.07.15
Notch Filter	N/A	WRCGV -LTE 71	Wainwright	2020.07.21	2021.07.20
				2021.07.16	2022.07.15
Anechoic Chamber	N/A	9m*6m*6m	CRT	2019.07.13	2022.07.12

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