



TEST REPORT

APPLICANT : Reliance Communications LLC

PRODUCT NAME : Orbic Magic

MODEL NAME : R678EL

BRAND NAME : Orbic

FCC ID : 2ABGH-R678EL

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

RECEIPT DATE : 2020-10-21

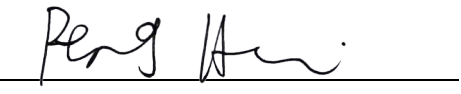
TEST DATE : 2020-10-30 to 2021-02-03

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Change History		
Version	Date	Reason for change
1.0	2021-02-03	First edition



1. Technical Information

Note: Provide by applicant.

1.1. Applicant and Manufacturer Information

Applicant:	Reliance Communications LLC
Applicant Address:	91 Colin Drive, Unit 1, HOLBROOK, New York 11741, United States
Manufacturer:	ZJY RIGHT SOURCE INDIA PRIVATE LIMITED
Manufacturer Address:	MIDC industrial Area, Shiravane, Nerul, India

1.2. Equipment Under Test (EUT) Description

Product Name:	Orbic Magic	
Serial No.:	(N/A, marked #1 by test site)	
Hardware Version:	V2.1	
Software Version:	ORB678EL_V1.0.47_BTf	
Modulation Type:	QPSK, 16QAM, 64QAM	
Carrier Aggregation:	Not support	
Operation Band:	Band 2 / 4 / 5 / 12 / 13 / 17 / 25 / 26 / 41 / 66 / 71	
Frequency Range:	LTE Band 2	Tx: 1850MHz–1910MHz
		Rx: 1930MHz–1990MHz
	LTE Band 4	Tx: 1710MHz–1755MHz
		Rx: 2110MHz–2155MHz
	LTE Band 5	Tx: 824MHz–849MHz
		Rx: 869MHz–894MHz
	LTE Band 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



Frequency Range:	LTE Band 26	Tx: 824MHz–849MHz
		Rx: 869MHz–894MHz
	LTE Band 41	Tx: 2496MHz–2690MHz
		Rx: 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 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 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	-2.4dBi
	LTE Band 4	-2.9dBi
	LTE Band 5	-2.0dBi
	LTE Band 12	-2.0dBi
	LTE Band 13	-2.0dBi
	LTE Band 17	-2.0dBi
	LTE Band 25	-2.4dBi
	LTE Band 26	-2.0dBi
	LTE Band 41	1.0dBi
	LTE Band 66	-2.9dBi
	LTE Band 71	-2.9dBi



Accessory Information:	Battery	
	Brand Name:	Orbic
	Model No.:	BLE-5001
	Serial No.:	(N/A, marked #1 by test site)
	Capacity:	5000mAh
	Rated Voltage:	3.85V
	Charge Limit:	4.40V
	Manufacturer:	HUIZHOU DXDRAGON INC
	AC Adapter	
	Brand Name:	Orbic
	Model No.:	BLJ-QC06HU
	Serial No.:	(N/A, marked #1 by test site)
	Rated Output:	5V=3A, 9V=2A, 12V=1.5A,
	Rated Input:	100-240V~50/60Hz, 0.5A
	Manufacturer:	Baolijin

Note 1: The EUT supports top antenna and bottom antenna. For test item Transmitter Conducted Output Power and E.R.P./E.I.R.P. and Radiated Spurious Emissions we recorded the test result of two antennas separately, for other test items both of the two antennas were tested separately, we only recorded the worst test result(Top Antenna) for LTE Band 2 / 4 / 5 / 12 / 13 / 17 / 25 / 26 / 66 / 71 and the worst test result(Bottom Antenna) for LTE Band 41 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)					
	Top Antenna			Bottom Antenna		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.147	0.113	0.108	0.131	0.110	0.110
15	0.142	0.113	0.111	0.125	0.113	0.106
10	0.145	0.111	0.109	0.130	0.113	0.106
5	0.147	0.108	0.110	0.131	0.112	0.109
3	0.143	0.108	0.112	0.129	0.114	0.109
1.4	0.141	0.114	0.113	0.129	0.113	0.112
LTE Band 4	Maximum E.R.P./E.I.R.P. (W)					
	Top Antenna			Bottom Antenna		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.177	0.143	0.114	0.054	0.046	0.045
15	0.169	0.149	0.111	0.053	0.046	0.045
10	0.168	0.146	0.119	0.053	0.048	0.044
5	0.169	0.143	0.118	0.053	0.048	0.046
3	0.167	0.149	0.126	0.053	0.047	0.043
1.4	0.167	0.148	0.116	0.053	0.047	0.046
LTE Band 5	Maximum E.R.P./E.I.R.P. (W)					
	Top Antenna			Bottom Antenna		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10	0.108	0.087	0.070	0.071	0.060	0.046
5	0.103	0.089	0.069	0.068	0.059	0.047
3	0.101	0.089	0.069	0.067	0.059	0.045
1.4	0.099	0.090	0.071	0.066	0.060	0.047
LTE Band 12	Maximum E.R.P./E.I.R.P. (W)					
	Top Antenna			Bottom Antenna		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10	0.106	0.086	0.069	0.095	0.079	0.072
5	0.105	0.091	0.070	0.094	0.078	0.071
3	0.104	0.094	0.070	0.094	0.080	0.072
1.4	0.104	0.088	0.069	0.091	0.081	0.075



LTE Band 13	Maximum E.R.P./E.I.R.P. (W)					
	Top Antenna			Bottom Antenna		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10	0.101	0.086	0.071	0.096	0.076	0.070
5	0.099	0.088	0.071	0.091	0.081	0.076
LTE Band 17	Maximum E.R.P./E.I.R.P. (W)					
	Top Antenna			Bottom Antenna		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10	0.100	0.081	0.075	0.095	0.079	0.060
5	0.096	0.079	0.072	0.093	0.078	0.058
LTE Band 25	Maximum E.R.P./E.I.R.P. (W)					
	Top Antenna			Bottom Antenna		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.163	0.124	0.106	0.138	0.114	0.112
15	0.152	0.127	0.108	0.131	0.112	0.101
10	0.156	0.136	0.105	0.136	0.112	0.100
5	0.162	0.128	0.106	0.135	0.115	0.102
3	0.161	0.138	0.105	0.133	0.118	0.103
1.4	0.153	0.132	0.105	0.134	0.117	0.107
LTE Band 26	Maximum E.R.P./E.I.R.P. (W)					
	Top Antenna			Bottom Antenna		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15	0.102	0.079	0.071	0.093	0.074	0.072
10	0.100	0.086	0.067	0.093	0.074	0.071
5	0.100	0.084	0.067	0.089	0.076	0.075
3	0.100	0.082	0.066	0.089	0.073	0.074
1.4	0.097	0.087	0.071	0.087	0.071	0.070
LTE Band 41	Maximum E.R.P./E.I.R.P. (W)					
	Top Antenna			Bottom Antenna		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.327	0.279	0.220	0.664	0.555	0.494
15	0.326	0.290	0.226	0.646	0.527	0.488
10	0.350	0.295	0.284	0.664	0.532	0.481
5	0.339	0.300	0.221	0.641	0.538	0.478



LTE Band 66	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
	BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM
20	0.136	0.117	0.092	0.053	0.045	0.045
15	0.136	0.116	0.090	0.053	0.045	0.045
10	0.135	0.116	0.090	0.052	0.045	0.045
5	0.135	0.115	0.090	0.052	0.045	0.045
3	0.136	0.116	0.090	0.052	0.045	0.045
1.4	0.134	0.115	0.090	0.052	0.045	0.045
LTE Band 71	Maximum E.R.P./E.I.R.P. (W)					
	Top Antenna			Bottom Antenna		
	BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM
20	0.099	0.087	0.074	0.090	0.074	0.074
15	0.097	0.086	0.073	0.090	0.077	0.068
10	0.098	0.086	0.074	0.089	0.079	0.074
5	0.099	0.083	0.074	0.089	0.078	0.070



LTE B2		Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	
1.4	1M09G7D	1M10W7D	1M09W7D	
3	2M70G7D	2M71W7D	2M71W7D	
5	4M51G7D	4M51W7D	4M51W7D	
10	9M02G7D	8M98W7D	8M99W7D	
15	13M5G7D	13M5W7D	13M5W7D	
20	18M1G7D	18M0W7D	18M0W7D	
LTE B4		Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	
1.4	1M10G7D	1M10W7D	1M09W7D	
3	2M70G7D	2M70W7D	2M71W7D	
5	4M51G7D	4M51W7D	4M51W7D	
10	9M02G7D	8M99W7D	9M01W7D	
15	13M5G7D	13M5W7D	13M5W7D	
20	18M0G7D	18M0W7D	18M0W7D	
LTE B5		Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	
1.4	1M09G7D	1M10W7D	1M09W7D	
3	2M70G7D	2M70W7D	2M71W7D	
5	4M51G7D	4M51W7D	4M51W7D	
10	8M99G7D	8M97W7D	8M98W7D	
LTE B12		Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	
1.4	1M10G7D	1M10W7D	1M09W7D	
3	2M70G7D	2M70W7D	2M71W7D	
5	4M51G7D	4M51W7D	4M50W7D	
10	9M00G7D	8M97W7D	8M98W7D	
LTE B13		Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	
5	4M50G7D	4M51W7D	4M50W7D	
10	8M96G7D	8M96W7D	8M98W7D	
LTE B17		Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	
5	4M50G7D	4M50W7D	4M50W7D	
10	8M98G7D	8M96W7D	8M97W7D	



LTE B25		Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	
1.4	1M10G7D	1M11W7D	1M10W7D	
3	2M71G7D	2M72W7D	2M72W7D	
5	4M52G7D	4M52W7D	4M51W7D	
10	9M02G7D	8M97W7D	8M99W7D	
15	13M5G7D	13M5W7D	13M5W7D	
20	18M0G7D	18M0W7D	18M0W7D	
LTE B26		Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	
1.4	1M09G7D	1M09W7D	1M09W7D	
3	2M71G7D	2M70W7D	2M70W7D	
5	4M50G7D	4M50W7D	4M50W7D	
10	8M94G7D	8M91W7D	8M93W7D	
15	13M4G7D	13M4W7D	13M4W7D	
LTE B41		Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	
5	4M51G7D	4M51W7D	4M50W7D	
10	9M02G7D	8M97W7D	8M98W7D	
15	13M5G7D	13M5W7D	13M5W7D	
20	18M0G7D	18M0W7D	18M0W7D	
LTE B66		Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	
1.4	1M09G7D	1M10W7D	1M09W7D	
3	2M70G7D	2M70W7D	2M70W7D	
5	4M50G7D	4M51W7D	4M51W7D	
10	9M03G7D	8M98W7D	9M00W7D	
15	13M5G7D	13M5W7D	13M5W7D	
20	18M0G7D	18M0W7D	18M1W7D	
LTE B71		Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	
5	4M49G7D	4M50W7D	4M49W7D	
10	8M97G7D	8M97W7D	8M98W7D	
15	13M5G7D	13M5W7D	13M5W7D	
20	17M9G7D	17M9W7D	17M9W7D	



1.4. Test Standards and Results

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

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

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

Section	Description	Test Date	Test Engineer	Result	Method Determination /Remark
2.1046 22.913(a)(2) 24.232(c) 27.50(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.	Feb 01&03, 2021	Chen Hao Peng Xuwei	PASS	No deviation
2.1049	Occupied Bandwidth	Oct 30, 2020 Nov 14, 2020 Dec 24, 2020 Jan 05, 2021	Ling Keye	PASS	No deviation
2.1055 22.355 24.235 27.54	Frequency Stability	Feb 02, 2021	Ling Keye	PASS	No deviation
24.232(d), 27.50(d)(5)	Peak to Average Radio	Oct 30, 2020 Nov 14, 2020 Dec 24&31, 2020 Jan 05, 2021	Ling Keye	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(c)(2) 27.53(g)	Conducted Spurious Emissions	Nov 06&09, 2020 Dec 24, 2020 Jan 05, 2021	Ling Keye	PASS	No deviation



27.53(h) 27.53(m)(4)					
2.1051 22.917(a) 24.238(a) 27.53(c)(2) 27.53(g) 27.53(h) 27.53(m)(4)	Band Edge	Oct 30, 2020 Nov 02&14&16, 2020 Dec 24, 2020	Ling Keye	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(c)(2) 27.53(g) 27.53(h) 27.53(m)(4)	Radiated Spurious Emissions	Nov 12, 2020 Jan 14&15, 2021	Peng Xuwei	PASS	No deviation

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

Note 2: The path loss during the RF test is calibrated to correct the results by the offset setting in the test equipments. The ref offset 23.5dB contains two parts that cable loss 13.5dB and Attenuator 10dB.

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

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

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 F&H&L&M&N Requirements

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

2.1.1. Requirement

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

According to FCC section 24.232 (c) for LTE Band 2/25, 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.

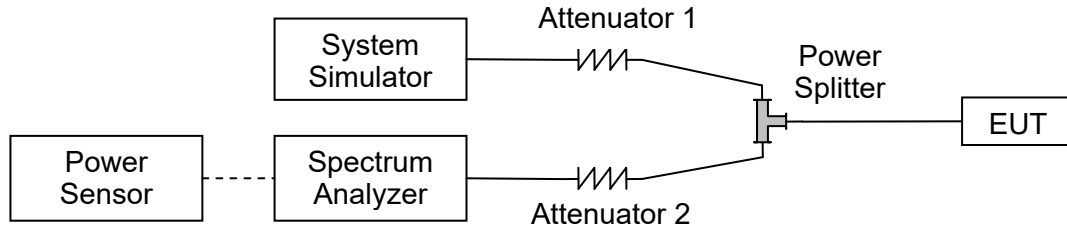
According to FCC section22.913 (a)(2) for LTE Band 5/26, the E.R.P. of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

According to FCC section 27.50 (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 (h)(2) for LTE Band 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.

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
Top Antenna

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	24.02	24.07	24.05
20	QPSK	1	49	23.65	23.94	23.85
20	QPSK	1	99	23.95	23.82	23.71
20	QPSK	50	0	22.56	22.86	22.36
20	QPSK	50	24	22.69	22.64	22.41
20	QPSK	50	50	22.38	22.86	22.64
20	QPSK	100	0	22.62	22.41	22.67
20	16QAM	1	0	22.26	22.38	22.54
20	16QAM	1	49	22.77	22.56	22.53
20	16QAM	1	99	22.19	22.31	22.75
20	16QAM	50	0	22.05	22.57	22.54
20	16QAM	50	24	22.62	22.77	22.54
20	16QAM	50	50	22.54	22.84	22.94
20	16QAM	100	0	22.56	22.62	22.63
20	64QAM	1	0	22.45	22.42	22.73
20	64QAM	1	49	22.34	22.36	22.46
20	64QAM	1	99	22.36	22.37	22.30
20	64QAM	50	0	22.56	22.52	22.62
20	64QAM	50	24	22.71	22.73	22.56
20	64QAM	50	50	22.42	22.65	22.46
20	64QAM	100	0	22.66	22.67	22.38



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18675	18900	19125
Frequency (MHz)				1857.5	1880	1902.5
15	QPSK	1	0	23.92	23.62	23.54
15	QPSK	1	37	23.81	23.75	23.45
15	QPSK	1	74	23.64	23.68	23.29
15	QPSK	36	0	22.99	22.53	22.65
15	QPSK	36	20	22.65	22.77	22.67
15	QPSK	36	39	22.74	22.47	22.87
15	QPSK	75	0	22.81	22.21	22.65
15	16QAM	1	0	22.56	22.36	22.18
15	16QAM	1	37	22.54	22.58	22.57
15	16QAM	1	74	22.71	22.46	22.29
15	16QAM	36	0	22.65	22.81	22.49
15	16QAM	36	20	22.56	22.94	22.87
15	16QAM	36	39	22.82	22.64	22.81
15	16QAM	75	0	22.64	22.35	22.76
15	64QAM	1	0	22.35	22.48	22.29
15	64QAM	1	37	22.64	22.86	22.13
15	64QAM	1	74	22.69	22.46	22.37
15	64QAM	36	0	22.62	22.62	22.56
15	64QAM	36	20	22.72	22.56	22.48
15	64QAM	36	39	22.62	22.64	22.54
15	64QAM	75	0	22.82	22.71	22.64



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18650	18900	19150
Frequency (MHz)				1855	1880	1905
10	QPSK	1	0	23.99	23.84	23.66
10	QPSK	1	25	24.02	23.61	23.87
10	QPSK	1	49	24.01	23.82	23.64
10	QPSK	25	0	22.81	22.56	22.61
10	QPSK	25	12	22.62	22.61	22.77
10	QPSK	25	25	22.53	22.58	22.64
10	QPSK	50	0	22.67	22.53	22.91
10	16QAM	1	0	22.72	22.55	22.65
10	16QAM	1	25	22.74	22.71	22.25
10	16QAM	1	49	22.60	22.55	22.27
10	16QAM	25	0	22.09	22.56	22.45
10	16QAM	25	12	22.25	22.77	22.60
10	16QAM	25	25	22.29	22.86	22.56
10	16QAM	50	0	22.45	22.65	22.35
10	64QAM	1	0	22.63	22.76	22.64
10	64QAM	1	25	22.54	22.70	22.17
10	64QAM	1	49	22.27	22.36	22.33
10	64QAM	25	0	22.54	22.48	22.55
10	64QAM	25	12	22.60	22.67	22.35
10	64QAM	25	25	22.45	22.55	22.46
10	64QAM	50	0	22.53	22.62	22.38



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18625	18900	19175
Frequency (MHz)				1852.5	1880	1907.5
5	QPSK	1	0	23.89	23.38	23.93
5	QPSK	1	12	23.99	23.61	23.64
5	QPSK	1	24	24.06	23.63	23.51
5	QPSK	12	0	22.55	22.54	22.54
5	QPSK	12	7	22.62	22.67	22.51
5	QPSK	12	13	22.54	22.73	22.57
5	QPSK	25	0	22.62	22.60	22.66
5	16QAM	1	0	22.57	22.48	22.63
5	16QAM	1	12	22.59	22.58	22.54
5	16QAM	1	24	22.62	22.62	22.45
5	16QAM	12	0	22.61	22.64	22.72
5	16QAM	12	7	22.56	22.83	22.26
5	16QAM	12	13	22.25	22.61	22.72
5	16QAM	25	0	22.14	22.74	22.64
5	64QAM	1	0	22.26	22.58	22.81
5	64QAM	1	12	22.54	22.68	22.62
5	64QAM	1	24	22.64	22.77	22.59
5	64QAM	12	0	22.51	22.64	22.43
5	64QAM	12	7	22.62	22.37	22.59
5	64QAM	12	13	22.54	22.68	22.62
5	64QAM	25	0	22.66	22.65	22.24



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18615	18900	19185
Frequency (MHz)				1851.5	1880	1908.5
3	QPSK	1	0	23.85	23.41	23.94
3	QPSK	1	8	23.92	23.49	23.89
3	QPSK	1	14	23.93	23.52	23.85
3	QPSK	8	0	22.56	22.42	22.89
3	QPSK	8	4	22.61	22.61	22.93
3	QPSK	8	7	22.53	22.51	22.92
3	QPSK	15	0	22.90	22.64	22.62
3	16QAM	1	0	22.62	22.59	22.37
3	16QAM	1	8	22.57	22.62	22.34
3	16QAM	1	14	22.46	22.57	22.55
3	16QAM	8	0	22.68	22.56	22.62
3	16QAM	8	4	22.75	22.59	22.54
3	16QAM	8	7	22.68	22.68	22.62
3	16QAM	15	0	22.66	22.68	22.62
3	64QAM	1	0	22.75	22.91	22.58
3	64QAM	1	8	22.68	22.57	22.21
3	64QAM	1	14	22.40	22.49	22.13
3	64QAM	8	0	22.62	22.56	22.62
3	64QAM	8	4	22.58	22.45	22.54
3	64QAM	8	7	22.62	22.62	22.46
3	64QAM	15	0	22.25	22.53	22.57



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18607	18900	19193
Frequency (MHz)				1850.7	1880	1909.3
1.4	QPSK	1	0	23.88	23.56	23.34
1.4	QPSK	1	3	23.88	23.50	23.59
1.4	QPSK	1	5	23.66	23.56	23.08
1.4	QPSK	3	0	22.80	22.29	22.72
1.4	QPSK	3	1	22.43	22.60	22.85
1.4	QPSK	3	3	22.56	22.81	22.65
1.4	QPSK	6	0	22.39	22.44	22.84
1.4	16QAM	1	0	22.95	22.62	22.35
1.4	16QAM	1	3	22.48	22.61	22.52
1.4	16QAM	1	5	22.26	22.52	22.64
1.4	16QAM	3	0	22.79	22.36	22.85
1.4	16QAM	3	1	22.50	22.75	22.48
1.4	16QAM	3	3	22.60	22.79	22.62
1.4	16QAM	6	0	22.43	22.58	22.81
1.4	64QAM	1	0	22.18	22.34	22.61
1.4	64QAM	1	3	22.26	22.62	22.62
1.4	64QAM	1	5	22.62	22.86	22.40
1.4	64QAM	3	0	22.46	22.49	22.94
1.4	64QAM	3	1	22.45	22.45	22.48
1.4	64QAM	3	3	22.44	22.72	22.53
1.4	64QAM	6	0	22.51	22.62	22.62



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	24.95	25.37	24.85
20	QPSK	1	49	25.01	25.22	25.24
20	QPSK	1	99	24.96	24.80	25.10
20	QPSK	50	0	24.05	24.18	23.85
20	QPSK	50	24	24.18	24.08	24.13
20	QPSK	50	50	24.15	24.11	24.11
20	QPSK	100	0	24.11	24.14	24.09
20	16QAM	1	0	23.66	24.26	24.14
20	16QAM	1	49	24.26	24.45	23.87
20	16QAM	1	99	24.12	24.13	24.09
20	16QAM	50	0	23.08	23.14	22.87
20	16QAM	50	24	23.22	23.13	23.16
20	16QAM	50	50	23.21	23.12	23.21
20	16QAM	100	0	23.12	23.11	23.22
20	64QAM	1	0	23.25	23.11	23.34
20	64QAM	1	49	23.35	23.45	23.29
20	64QAM	1	99	23.21	23.21	23.45
20	64QAM	50	0	23.24	23.13	23.55
20	64QAM	50	24	23.11	23.13	23.28
20	64QAM	50	50	23.07	23.24	23.34
20	64QAM	100	0	23.04	23.14	23.20



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	24.42	25.04	24.75
15	QPSK	1	37	25.01	24.80	25.19
15	QPSK	1	74	24.97	24.66	25.11
15	QPSK	36	0	23.81	24.05	24.02
15	QPSK	36	20	24.00	24.09	24.31
15	QPSK	36	39	24.05	23.84	24.18
15	QPSK	75	0	24.05	24.08	24.08
15	16QAM	1	0	23.52	24.30	23.96
15	16QAM	1	37	24.19	24.09	24.03
15	16QAM	1	74	24.12	24.17	24.62
15	16QAM	36	0	23.25	23.09	23.03
15	16QAM	36	20	23.15	23.17	23.25
15	16QAM	36	39	23.09	23.16	23.25
15	16QAM	75	0	23.10	23.11	23.06
15	64QAM	1	0	23.68	23.25	23.22
15	64QAM	1	37	23.19	23.25	23.31
15	64QAM	1	74	23.11	23.36	23.21
15	64QAM	36	0	23.28	23.25	23.24
15	64QAM	36	20	23.14	23.34	23.16
15	64QAM	36	39	23.12	23.31	23.19
15	64QAM	75	0	23.17	23.16	23.09



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	24.40	24.96	25.09
10	QPSK	1	25	24.66	25.02	25.16
10	QPSK	1	49	25.23	24.78	24.95
10	QPSK	25	0	23.53	24.10	24.25
10	QPSK	25	12	23.89	24.15	24.35
10	QPSK	25	25	24.20	23.92	24.33
10	QPSK	50	0	23.92	24.12	24.16
10	16QAM	1	0	23.73	24.35	24.53
10	16QAM	1	25	23.80	24.43	24.38
10	16QAM	1	49	24.48	24.18	24.43
10	16QAM	25	0	23.56	23.25	23.23
10	16QAM	25	12	23.34	23.18	23.27
10	16QAM	25	25	23.23	23.35	23.21
10	16QAM	50	0	23.28	23.62	23.20
10	64QAM	1	0	23.57	23.51	23.56
10	64QAM	1	25	23.62	23.62	23.57
10	64QAM	1	49	23.62	23.66	23.55
10	64QAM	25	0	23.60	23.21	23.53
10	64QAM	25	12	23.64	23.21	23.36
10	64QAM	25	25	23.54	23.01	23.22
10	64QAM	50	0	23.62	23.15	23.27



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	24.43	25.12	25.21
5	QPSK	1	12	24.40	25.12	25.19
5	QPSK	1	24	24.83	24.95	25.24
5	QPSK	12	0	24.11	24.21	24.37
5	QPSK	12	7	24.02	24.16	24.29
5	QPSK	12	13	24.02	24.03	24.27
5	QPSK	25	0	23.57	24.14	24.30
5	16QAM	1	0	24.10	24.32	24.19
5	16QAM	1	12	24.12	24.20	24.46
5	16QAM	1	24	24.31	23.80	24.35
5	16QAM	12	0	23.46	23.22	23.34
5	16QAM	12	7	23.45	23.27	23.40
5	16QAM	12	13	23.22	23.08	23.30
5	16QAM	25	0	23.34	23.24	23.23
5	64QAM	1	0	23.37	23.23	23.38
5	64QAM	1	12	23.63	23.13	23.30
5	64QAM	1	24	23.33	23.05	23.50
5	64QAM	12	0	23.42	23.24	23.30
5	64QAM	12	7	23.34	23.22	23.32
5	64QAM	12	13	23.35	23.15	23.30
5	64QAM	25	0	23.55	23.20	23.31



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	24.41	25.09	25.07
3	QPSK	1	8	24.56	25.04	25.14
3	QPSK	1	14	24.59	24.89	25.12
3	QPSK	8	0	23.94	24.11	24.34
3	QPSK	8	4	24.10	24.19	24.30
3	QPSK	8	7	24.12	24.11	24.30
3	QPSK	15	0	24.18	24.14	24.27
3	16QAM	1	0	24.11	24.36	24.62
3	16QAM	1	8	24.18	24.04	24.47
3	16QAM	1	14	24.18	24.15	24.39
3	16QAM	8	0	23.44	23.20	23.32
3	16QAM	8	4	23.55	23.17	23.48
3	16QAM	8	7	23.61	23.22	23.18
3	16QAM	15	0	23.50	23.13	23.34
3	64QAM	1	0	23.61	23.18	23.50
3	64QAM	1	8	23.92	23.23	23.40
3	64QAM	1	14	23.43	23.26	23.32
3	64QAM	8	0	23.60	23.55	23.30
3	64QAM	8	4	23.47	23.26	23.27
3	64QAM	8	7	23.46	23.28	23.42
3	64QAM	15	0	23.46	23.18	23.33



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	24.85	25.07	25.10
1.4	QPSK	1	3	24.72	25.00	25.20
1.4	QPSK	1	5	24.54	24.90	25.13
1.4	QPSK	3	0	24.60	25.00	25.12
1.4	QPSK	3	1	24.71	24.99	25.14
1.4	QPSK	3	3	24.72	24.96	25.13
1.4	QPSK	6	0	24.15	24.06	24.21
1.4	16QAM	1	0	24.11	24.21	24.43
1.4	16QAM	1	3	24.24	24.54	24.60
1.4	16QAM	1	5	24.12	24.16	24.26
1.4	16QAM	3	0	24.11	23.95	24.26
1.4	16QAM	3	1	24.22	24.13	24.30
1.4	16QAM	3	3	24.10	24.06	24.27
1.4	16QAM	6	0	23.60	23.25	23.24
1.4	64QAM	1	0	23.30	23.40	23.16
1.4	64QAM	1	3	23.47	23.20	23.18
1.4	64QAM	1	5	23.33	23.22	23.11
1.4	64QAM	3	0	23.36	23.17	23.22
1.4	64QAM	3	1	23.53	23.11	23.44
1.4	64QAM	3	3	23.50	23.17	23.33
1.4	64QAM	6	0	23.33	23.06	23.20



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	24.34	24.47	24.18
10	QPSK	1	25	24.21	24.32	24.34
10	QPSK	1	49	24.22	24.15	24.09
10	QPSK	25	0	23.20	23.32	23.21
10	QPSK	25	12	23.24	23.23	23.19
10	QPSK	25	25	23.32	23.19	23.28
10	QPSK	50	0	23.28	23.23	23.31
10	16QAM	1	0	23.59	23.29	23.68
10	16QAM	1	25	23.25	23.23	23.27
10	16QAM	1	49	23.54	23.35	23.48
10	16QAM	25	0	22.26	22.24	22.31
10	16QAM	25	12	22.32	22.25	22.32
10	16QAM	25	25	22.28	22.31	22.25
10	16QAM	50	0	22.31	22.30	22.22
10	64QAM	1	0	22.40	22.61	22.35
10	64QAM	1	25	22.31	22.53	22.54
10	64QAM	1	49	22.56	22.42	22.22
10	64QAM	25	0	22.23	22.21	22.20
10	64QAM	25	12	22.33	22.21	22.15
10	64QAM	25	25	22.21	22.31	22.20
10	64QAM	50	0	22.28	22.29	22.24



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	24.22	24.07	24.09
5	QPSK	1	12	24.26	24.05	24.11
5	QPSK	1	24	24.20	24.21	23.97
5	QPSK	12	0	23.32	23.26	23.20
5	QPSK	12	7	23.25	23.23	23.20
5	QPSK	12	13	23.28	23.20	23.21
5	QPSK	25	0	23.26	23.31	23.20
5	16QAM	1	0	23.36	23.38	23.66
5	16QAM	1	12	23.37	23.42	23.30
5	16QAM	1	24	23.27	23.21	23.68
5	16QAM	12	0	22.20	22.14	22.30
5	16QAM	12	7	22.34	22.32	22.24
5	16QAM	12	13	22.27	22.32	22.30
5	16QAM	25	0	22.34	22.31	22.09
5	64QAM	1	0	22.54	22.61	22.34
5	64QAM	1	12	22.55	22.51	22.28
5	64QAM	1	24	22.42	22.45	22.33
5	64QAM	12	0	22.19	22.16	22.17
5	64QAM	12	7	22.31	22.24	22.17
5	64QAM	12	13	22.22	22.21	22.27
5	64QAM	25	0	22.20	22.28	22.22



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	24.14	24.05	24.02
3	QPSK	1	8	24.21	24.11	24.03
3	QPSK	1	14	24.03	24.11	24.07
3	QPSK	8	0	23.23	23.17	23.22
3	QPSK	8	4	23.22	23.20	23.20
3	QPSK	8	7	23.26	23.24	23.21
3	QPSK	15	0	23.19	23.23	23.10
3	16QAM	1	0	23.40	23.60	23.37
3	16QAM	1	8	23.66	23.60	23.33
3	16QAM	1	14	23.49	23.52	23.29
3	16QAM	8	0	22.25	22.19	22.31
3	16QAM	8	4	22.39	22.23	22.09
3	16QAM	8	7	22.11	22.24	22.25
3	16QAM	15	0	22.26	22.32	22.24
3	64QAM	1	0	22.44	22.34	22.34
3	64QAM	1	8	22.35	22.24	22.51
3	64QAM	1	14	22.35	22.51	22.45
3	64QAM	8	0	22.29	22.12	22.07
3	64QAM	8	4	22.18	22.46	22.13
3	64QAM	8	7	22.35	22.16	22.23
3	64QAM	15	0	22.24	22.23	22.16



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	24.04	24.05	24.06
1.4	QPSK	1	3	24.11	24.08	24.06
1.4	QPSK	1	5	23.98	24.08	23.96
1.4	QPSK	3	0	24.06	24.06	24.05
1.4	QPSK	3	1	24.08	24.08	24.02
1.4	QPSK	3	3	24.01	24.12	23.95
1.4	QPSK	6	0	23.11	23.12	23.08
1.4	16QAM	1	0	23.59	23.39	23.34
1.4	16QAM	1	3	23.70	23.68	23.35
1.4	16QAM	1	5	23.68	23.48	23.30
1.4	16QAM	3	0	23.03	23.07	23.18
1.4	16QAM	3	1	23.08	23.15	23.18
1.4	16QAM	3	3	23.05	23.06	23.04
1.4	16QAM	6	0	22.56	22.35	22.28
1.4	64QAM	1	0	22.65	22.41	22.39
1.4	64QAM	1	3	22.28	22.65	22.36
1.4	64QAM	1	5	22.54	22.54	22.24
1.4	64QAM	3	0	22.35	22.42	22.32
1.4	64QAM	3	1	22.26	22.26	22.39
1.4	64QAM	3	3	22.45	22.34	22.34
1.4	64QAM	6	0	22.36	22.28	22.54



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	24.42	24.14	24.19
10	QPSK	1	25	24.33	24.32	24.38
10	QPSK	1	49	24.32	24.32	24.33
10	QPSK	25	0	23.47	23.30	23.34
10	QPSK	25	12	23.44	23.35	23.42
10	QPSK	25	25	23.27	23.24	23.33
10	QPSK	50	0	23.38	23.24	23.46
10	16QAM	1	0	23.46	23.35	23.34
10	16QAM	1	25	23.21	23.51	23.51
10	16QAM	1	49	23.36	23.61	23.50
10	16QAM	25	0	22.33	22.29	22.35
10	16QAM	25	12	22.43	22.43	22.41
10	16QAM	25	25	22.31	22.49	22.44
10	16QAM	50	0	22.38	22.34	22.44
10	64QAM	1	0	22.41	22.54	22.43
10	64QAM	1	25	22.32	22.55	22.42
10	64QAM	1	49	22.35	22.42	22.51
10	64QAM	25	0	22.51	22.25	22.31
10	64QAM	25	12	22.45	22.42	22.35
10	64QAM	25	25	22.37	22.51	22.36
10	64QAM	50	0	22.26	22.26	22.40



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	24.24	24.16	24.29
5	QPSK	1	12	24.35	24.26	24.15
5	QPSK	1	24	24.31	24.37	24.28
5	QPSK	12	0	23.24	23.38	23.28
5	QPSK	12	7	23.38	23.43	23.37
5	QPSK	12	13	23.32	23.35	23.37
5	QPSK	25	0	23.30	23.34	23.24
5	16QAM	1	0	23.64	23.73	23.71
5	16QAM	1	12	23.46	23.57	23.50
5	16QAM	1	24	23.36	23.50	23.57
5	16QAM	12	0	22.25	22.39	22.38
5	16QAM	12	7	22.48	22.42	22.44
5	16QAM	12	13	22.35	22.38	22.41
5	16QAM	25	0	22.40	22.39	22.20
5	64QAM	1	0	22.54	22.42	22.51
5	64QAM	1	12	22.55	22.35	22.34
5	64QAM	1	24	22.61	22.62	22.55
5	64QAM	12	0	22.18	22.40	22.31
5	64QAM	12	7	22.45	22.35	22.42
5	64QAM	12	13	22.32	22.43	22.40
5	64QAM	25	0	22.38	22.41	22.27



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	24.28	24.29	24.28
3	QPSK	1	8	24.32	24.33	24.33
3	QPSK	1	14	24.26	24.26	24.24
3	QPSK	8	0	23.31	23.40	23.30
3	QPSK	8	4	23.34	23.31	23.41
3	QPSK	8	7	23.29	23.34	23.24
3	QPSK	15	0	23.29	23.26	23.27
3	16QAM	1	0	23.81	23.58	23.69
3	16QAM	1	8	23.78	23.85	23.70
3	16QAM	1	14	23.72	23.90	23.60
3	16QAM	8	0	22.47	22.49	22.34
3	16QAM	8	4	22.45	22.41	22.34
3	16QAM	8	7	22.29	22.48	22.29
3	16QAM	15	0	22.46	22.40	22.24
3	64QAM	1	0	22.51	22.42	22.42
3	64QAM	1	8	22.52	22.61	22.51
3	64QAM	1	14	22.55	22.51	22.50
3	64QAM	8	0	22.38	22.36	22.26
3	64QAM	8	4	22.30	22.37	22.34
3	64QAM	8	7	22.38	22.30	22.25
3	64QAM	15	0	22.28	22.44	22.30



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	24.28	24.20	24.20
1.4	QPSK	1	3	24.17	24.34	24.23
1.4	QPSK	1	5	24.14	24.20	24.13
1.4	QPSK	3	0	24.16	24.16	24.26
1.4	QPSK	3	1	24.17	24.26	24.18
1.4	QPSK	3	3	24.15	24.25	24.26
1.4	QPSK	6	0	23.28	23.29	23.30
1.4	16QAM	1	0	23.46	23.49	23.45
1.4	16QAM	1	3	23.43	23.58	23.48
1.4	16QAM	1	5	23.40	23.42	23.42
1.4	16QAM	3	0	23.33	23.34	23.34
1.4	16QAM	3	1	23.40	23.40	23.29
1.4	16QAM	3	3	23.29	23.34	23.27
1.4	16QAM	6	0	22.30	22.39	22.34
1.4	64QAM	1	0	22.38	22.38	22.25
1.4	64QAM	1	3	22.38	22.54	22.35
1.4	64QAM	1	5	22.35	22.38	22.48
1.4	64QAM	3	0	22.29	22.51	22.27
1.4	64QAM	3	1	22.26	22.26	22.36
1.4	64QAM	3	3	22.28	22.54	22.29
1.4	64QAM	6	0	22.30	22.36	22.30



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	/	24.02	/
10	QPSK	1	25	/	24.20	/
10	QPSK	1	49	/	24.10	/
10	QPSK	25	0	/	23.08	/
10	QPSK	25	12	/	23.15	/
10	QPSK	25	25	/	23.17	/
10	QPSK	50	0	/	23.16	/
10	16QAM	1	0	/	23.26	/
10	16QAM	1	25	/	23.50	/
10	16QAM	1	49	/	23.47	/
10	16QAM	25	0	/	22.64	/
10	16QAM	25	12	/	22.54	/
10	16QAM	25	25	/	22.54	/
10	16QAM	50	0	/	22.62	/
10	64QAM	1	0	/	22.51	/
10	64QAM	1	25	/	22.62	/
10	64QAM	1	49	/	22.48	/
10	64QAM	25	0	/	22.54	/
10	64QAM	25	12	/	22.56	/
10	64QAM	25	25	/	22.67	/
10	64QAM	50	0	/	22.51	/



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	23.97	24.11	24.08
5	QPSK	1	12	24.04	24.07	24.02
5	QPSK	1	24	24.02	24.02	24.08
5	QPSK	12	0	23.04	23.06	23.07
5	QPSK	12	7	23.18	23.04	23.17
5	QPSK	12	13	23.09	23.18	23.11
5	QPSK	25	0	23.20	23.13	23.16
5	16QAM	1	0	23.55	23.38	23.30
5	16QAM	1	12	23.21	23.56	23.50
5	16QAM	1	24	23.43	23.59	23.57
5	16QAM	12	0	22.56	22.07	22.13
5	16QAM	12	7	22.61	22.05	22.25
5	16QAM	12	13	22.54	22.27	22.16
5	16QAM	25	0	22.52	22.45	22.15
5	64QAM	1	0	22.55	22.61	22.61
5	64QAM	1	12	22.45	22.45	22.29
5	64QAM	1	24	22.61	22.26	22.34
5	64QAM	12	0	22.45	22.34	22.48
5	64QAM	12	7	22.48	22.27	22.34
5	64QAM	12	13	22.64	22.17	22.13
5	64QAM	25	0	22.35	22.13	22.24



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	24.14	24.01	24.11
10	QPSK	1	25	23.94	23.95	23.87
10	QPSK	1	49	23.95	23.84	23.95
10	QPSK	25	0	23.09	22.91	22.67
10	QPSK	25	12	22.65	23.05	22.97
10	QPSK	25	25	22.99	22.90	22.98
10	QPSK	50	0	22.96	22.99	22.99
10	16QAM	1	0	23.12	23.16	23.15
10	16QAM	1	25	23.10	23.10	22.94
10	16QAM	1	49	23.18	22.90	23.25
10	16QAM	25	0	22.89	22.61	22.77
10	16QAM	25	12	22.64	22.78	22.94
10	16QAM	25	25	22.77	22.86	22.86
10	16QAM	50	0	22.68	22.64	22.67
10	64QAM	1	0	22.45	22.82	22.53
10	64QAM	1	25	22.34	22.89	22.83
10	64QAM	1	49	22.43	22.91	22.26
10	64QAM	25	0	22.36	22.25	22.42
10	64QAM	25	12	22.07	22.27	22.34
10	64QAM	25	25	22.12	22.36	22.52
10	64QAM	50	0	22.26	22.19	22.34



LTE Band 17						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23755	23790	23825
Frequency (MHz)				706.5	710	713.5
5	QPSK	1	0	23.87	23.90	23.96
5	QPSK	1	12	23.81	23.98	23.82
5	QPSK	1	24	23.86	23.74	23.82
5	QPSK	12	0	23.03	22.97	23.05
5	QPSK	12	7	23.04	22.94	22.97
5	QPSK	12	13	22.97	22.98	22.95
5	QPSK	25	0	23.05	22.99	22.92
5	16QAM	1	0	23.04	23.05	23.05
5	16QAM	1	12	22.88	23.06	23.14
5	16QAM	1	24	22.92	23.15	23.12
5	16QAM	12	0	22.86	22.93	22.89
5	16QAM	12	7	22.99	22.84	22.99
5	16QAM	12	13	22.64	22.99	22.93
5	16QAM	25	0	22.89	22.87	22.87
5	64QAM	1	0	22.54	22.11	22.35
5	64QAM	1	12	22.15	22.10	22.26
5	64QAM	1	24	22.24	22.34	22.24
5	64QAM	12	0	22.24	22.26	22.73
5	64QAM	12	7	22.23	22.34	22.34
5	64QAM	12	13	22.24	22.53	22.25
5	64QAM	25	0	22.34	22.45	22.61



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	24.45	24.53	24.36
20	QPSK	1	49	24.12	24.11	24.12
20	QPSK	1	99	24.25	24.16	24.36
20	QPSK	50	0	23.32	23.32	23.26
20	QPSK	50	24	23.12	23.30	23.16
20	QPSK	50	50	23.28	23.29	23.15
20	QPSK	100	0	23.16	23.12	23.12
20	16QAM	1	0	23.26	23.16	23.02
20	16QAM	1	49	23.19	23.34	23.24
20	16QAM	1	99	23.21	23.17	23.26
20	16QAM	50	0	22.33	22.23	22.55
20	16QAM	50	24	22.20	22.32	22.54
20	16QAM	50	50	22.34	22.21	22.51
20	16QAM	100	0	22.18	22.28	22.41
20	64QAM	1	0	22.27	22.31	22.29
20	64QAM	1	49	22.34	22.38	22.29
20	64QAM	1	99	22.24	22.16	22.12
20	64QAM	50	0	22.33	22.28	22.29
20	64QAM	50	24	22.15	22.24	22.24
20	64QAM	50	50	22.34	22.15	22.64
20	64QAM	100	0	22.26	22.24	22.44



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	24.17	23.93	24.21
15	QPSK	1	37	24.16	24.07	23.89
15	QPSK	1	74	24.12	24.08	24.13
15	QPSK	36	0	23.24	23.19	23.11
15	QPSK	36	20	23.30	23.26	23.24
15	QPSK	36	39	23.00	23.28	23.21
15	QPSK	75	0	23.27	23.22	23.51
15	16QAM	1	0	23.38	23.31	23.15
15	16QAM	1	37	23.12	23.22	23.45
15	16QAM	1	74	23.10	23.21	23.34
15	16QAM	36	0	22.87	22.23	22.55
15	16QAM	36	20	22.62	22.31	22.64
15	16QAM	36	39	22.66	22.48	22.57
15	16QAM	75	0	22.54	22.25	22.62
15	64QAM	1	0	22.63	22.54	22.51
15	64QAM	1	37	22.27	22.61	22.93
15	64QAM	1	74	22.54	22.53	22.68
15	64QAM	36	0	22.63	22.54	22.73
15	64QAM	36	20	22.45	22.42	22.62
15	64QAM	36	39	22.57	22.30	22.66
15	64QAM	75	0	22.62	22.23	22.54



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	24.11	24.15	24.12
10	QPSK	1	25	24.33	24.29	24.09
10	QPSK	1	49	24.05	24.33	24.04
10	QPSK	25	0	23.39	23.29	23.54
10	QPSK	25	12	23.47	23.38	23.55
10	QPSK	25	25	23.39	23.34	23.21
10	QPSK	50	0	23.45	23.37	23.37
10	16QAM	1	0	23.15	23.07	23.12
10	16QAM	1	25	23.42	23.24	23.16
10	16QAM	1	49	23.69	23.74	23.51
10	16QAM	25	0	22.50	22.30	22.42
10	16QAM	25	12	22.45	22.40	22.26
10	16QAM	25	25	22.46	22.37	22.34
10	16QAM	50	0	22.40	22.34	22.35
10	64QAM	1	0	22.46	22.45	22.51
10	64QAM	1	25	22.34	22.38	22.25
10	64QAM	1	49	22.51	22.56	22.34
10	64QAM	25	0	22.36	22.37	22.34
10	64QAM	25	12	22.43	22.39	22.26
10	64QAM	25	25	22.46	22.33	22.51
10	64QAM	50	0	22.41	22.37	22.61



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	24.39	24.30	24.15
5	QPSK	1	12	24.49	24.23	24.12
5	QPSK	1	24	24.39	24.15	24.11
5	QPSK	12	0	23.37	23.37	23.34
5	QPSK	12	7	23.38	23.36	23.51
5	QPSK	12	13	23.44	23.36	23.24
5	QPSK	25	0	23.41	23.38	23.42
5	16QAM	1	0	23.52	23.28	23.21
5	16QAM	1	12	23.36	23.43	23.22
5	16QAM	1	24	23.41	23.48	23.21
5	16QAM	12	0	22.36	22.44	22.42
5	16QAM	12	7	22.51	22.45	22.22
5	16QAM	12	13	22.45	22.35	22.25
5	16QAM	25	0	22.46	22.46	22.15
5	64QAM	1	0	22.64	22.24	22.67
5	64QAM	1	12	22.35	22.55	22.16
5	64QAM	1	24	22.36	22.28	22.34
5	64QAM	12	0	22.30	22.22	22.21
5	64QAM	12	7	22.46	22.36	22.26
5	64QAM	12	13	22.39	22.37	22.18
5	64QAM	25	0	22.28	22.35	22.17



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	24.39	24.28	24.25
3	QPSK	1	8	24.48	24.35	24.15
3	QPSK	1	14	24.12	24.42	24.12
3	QPSK	8	0	23.41	23.34	23.28
3	QPSK	8	4	23.39	23.33	23.14
3	QPSK	8	7	23.42	23.29	23.22
3	QPSK	15	0	23.44	23.33	23.14
3	16QAM	1	0	23.44	23.79	23.54
3	16QAM	1	8	23.58	23.79	23.54
3	16QAM	1	14	23.34	23.66	23.61
3	16QAM	8	0	22.33	22.32	22.21
3	16QAM	8	4	22.41	22.35	22.35
3	16QAM	8	7	22.40	22.34	22.24
3	16QAM	15	0	22.36	22.35	22.55
3	64QAM	1	0	22.42	22.42	22.62
3	64QAM	1	8	22.51	22.34	22.42
3	64QAM	1	14	22.36	22.62	22.25
3	64QAM	8	0	22.51	22.32	22.34
3	64QAM	8	4	22.39	22.30	22.22
3	64QAM	8	7	22.30	22.31	22.51
3	64QAM	15	0	22.30	22.37	22.34



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	24.11	24.09	24.22
1.4	QPSK	1	3	24.09	24.24	24.22
1.4	QPSK	1	5	24.00	24.14	24.12
1.4	QPSK	3	0	24.09	24.14	24.02
1.4	QPSK	3	1	24.20	24.28	24.15
1.4	QPSK	3	3	24.21	24.17	24.22
1.4	QPSK	6	0	23.30	23.24	23.52
1.4	16QAM	1	0	23.58	23.55	23.15
1.4	16QAM	1	3	23.61	23.41	23.25
1.4	16QAM	1	5	23.19	23.33	23.28
1.4	16QAM	3	0	23.28	23.08	23.51
1.4	16QAM	3	1	23.23	23.20	23.44
1.4	16QAM	3	3	23.19	23.15	23.15
1.4	16QAM	6	0	22.18	22.20	22.62
1.4	64QAM	1	0	22.55	22.34	22.53
1.4	64QAM	1	3	22.46	22.51	22.39
1.4	64QAM	1	5	22.34	22.34	22.24
1.4	64QAM	3	0	22.29	22.25	22.34
1.4	64QAM	3	1	22.34	22.19	22.46
1.4	64QAM	3	3	22.61	22.20	22.51
1.4	64QAM	6	0	22.61	22.21	22.61



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				26865	26915	26965
Frequency (MHz)				831.5	836.5	841.5
15	QPSK	1	0	23.95	24.24	23.98
15	QPSK	1	37	23.64	23.90	23.84
15	QPSK	1	74	23.67	23.93	23.84
15	QPSK	36	0	23.16	23.42	23.27
15	QPSK	36	20	23.01	23.27	23.35
15	QPSK	36	39	22.83	23.09	23.18
15	QPSK	75	0	22.82	23.08	23.28
15	16QAM	1	0	22.86	23.12	23.01
15	16QAM	1	37	22.75	23.01	23.12
15	16QAM	1	74	22.89	23.15	23.08
15	16QAM	36	0	22.32	22.58	22.62
15	16QAM	36	20	22.36	22.62	22.48
15	16QAM	36	39	22.36	22.62	22.39
15	16QAM	75	0	22.29	22.55	22.61
15	64QAM	1	0	22.13	22.39	22.53
15	64QAM	1	37	22.35	22.61	22.55
15	64QAM	1	74	22.29	22.55	22.34
15	64QAM	36	0	21.98	22.24	22.45
15	64QAM	36	20	22.38	22.64	22.36
15	64QAM	36	39	22.40	22.66	22.28
15	64QAM	75	0	22.29	22.55	22.39



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	23.91	23.88	24.14
10	QPSK	1	25	23.73	23.72	23.98
10	QPSK	1	49	23.95	23.92	24.18
10	QPSK	25	0	22.93	22.87	23.13
10	QPSK	25	12	22.91	22.91	23.17
10	QPSK	25	25	22.94	22.94	23.20
10	QPSK	50	0	22.93	22.93	23.19
10	16QAM	1	0	22.80	22.80	23.06
10	16QAM	1	25	23.05	23.05	23.31
10	16QAM	1	49	23.24	23.24	23.50
10	16QAM	25	0	21.98	21.98	22.24
10	16QAM	25	12	21.95	21.93	22.19
10	16QAM	25	25	22.04	22.04	22.30
10	16QAM	50	0	21.87	21.87	22.13
10	64QAM	1	0	22.12	22.12	22.38
10	64QAM	1	25	22.03	22.03	22.29
10	64QAM	1	49	22.12	22.08	22.34
10	64QAM	25	0	22.06	22.02	22.28
10	64QAM	25	12	22.08	22.08	22.34
10	64QAM	25	25	21.95	21.92	22.18
10	64QAM	50	0	22.07	22.03	22.29



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	23.95	23.90	24.16
5	QPSK	1	12	23.94	23.89	24.15
5	QPSK	1	24	23.74	23.69	23.95
5	QPSK	12	0	22.88	22.83	23.09
5	QPSK	12	7	22.93	22.88	23.14
5	QPSK	12	13	22.87	22.82	23.08
5	QPSK	25	0	22.88	22.83	23.09
5	16QAM	1	0	23.19	23.14	23.40
5	16QAM	1	12	23.05	23.00	23.26
5	16QAM	1	24	23.01	22.96	23.22
5	16QAM	12	0	22.06	22.01	22.27
5	16QAM	12	7	22.04	21.99	22.25
5	16QAM	12	13	21.79	21.74	22.00
5	16QAM	25	0	21.81	21.76	22.02
5	64QAM	1	0	22.22	22.17	22.43
5	64QAM	1	12	22.10	22.05	22.31
5	64QAM	1	24	22.13	22.08	22.34
5	64QAM	12	0	21.92	21.87	22.13
5	64QAM	12	7	22.08	22.03	22.29
5	64QAM	12	13	21.93	21.88	22.14
5	64QAM	25	0	21.90	21.85	22.11



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	23.93	23.88	24.14
3	QPSK	1	8	23.87	23.82	24.08
3	QPSK	1	14	23.77	23.72	23.98
3	QPSK	8	0	22.92	22.87	23.13
3	QPSK	8	4	22.90	22.85	23.11
3	QPSK	8	7	22.82	22.77	23.03
3	QPSK	15	0	22.90	22.85	23.11
3	16QAM	1	0	23.07	23.02	23.28
3	16QAM	1	8	23.04	22.99	23.25
3	16QAM	1	14	22.93	22.88	23.14
3	16QAM	8	0	21.97	21.92	22.18
3	16QAM	8	4	21.98	21.93	22.19
3	16QAM	8	7	21.94	21.89	22.15
3	16QAM	15	0	21.93	21.88	22.14
3	64QAM	1	0	21.99	21.94	22.20
3	64QAM	1	8	22.13	22.08	22.34
3	64QAM	1	14	22.10	22.05	22.31
3	64QAM	8	0	22.14	22.09	22.35
3	64QAM	8	4	22.00	21.95	22.21
3	64QAM	8	7	21.85	21.80	22.06
3	64QAM	15	0	22.01	21.96	22.22



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	23.73	23.66	23.92
1.4	QPSK	1	3	23.71	23.71	23.97
1.4	QPSK	1	5	23.61	23.61	23.87
1.4	QPSK	3	0	23.85	23.74	24.00
1.4	QPSK	3	1	23.71	23.70	23.96
1.4	QPSK	3	3	23.78	23.78	24.04
1.4	QPSK	6	0	22.79	22.79	23.05
1.4	16QAM	1	0	23.22	23.22	23.48
1.4	16QAM	1	3	23.27	23.27	23.53
1.4	16QAM	1	5	23.29	23.29	23.55
1.4	16QAM	3	0	22.85	22.85	23.11
1.4	16QAM	3	1	22.76	22.76	23.02
1.4	16QAM	3	3	22.86	22.86	23.12
1.4	16QAM	6	0	21.85	21.83	22.09
1.4	64QAM	1	0	22.40	22.40	22.66
1.4	64QAM	1	3	22.16	22.16	22.42
1.4	64QAM	1	5	22.37	22.34	22.60
1.4	64QAM	3	0	22.24	22.24	22.50
1.4	64QAM	3	1	22.19	22.14	22.40
1.4	64QAM	3	3	22.29	22.25	22.51
1.4	64QAM	6	0	22.01	21.98	22.24



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	24.06	24.14	23.92
20	QPSK	1	49	24.07	23.90	23.93
20	QPSK	1	99	23.95	23.96	23.78
20	QPSK	50	0	23.28	23.34	23.13
20	QPSK	50	24	23.13	23.32	23.14
20	QPSK	50	50	23.23	23.21	23.11
20	QPSK	100	0	23.33	23.21	23.13
20	16QAM	1	0	23.42	23.45	23.34
20	16QAM	1	49	23.21	23.39	23.23
20	16QAM	1	99	23.31	23.32	23.17
20	16QAM	50	0	22.55	22.55	22.51
20	16QAM	50	24	22.62	22.36	22.52
20	16QAM	50	50	22.52	22.30	22.51
20	16QAM	100	0	22.59	22.23	22.35
20	64QAM	1	0	22.28	22.35	22.16
20	64QAM	1	49	22.30	22.16	22.34
20	64QAM	1	99	22.42	22.24	22.55
20	64QAM	50	0	22.35	22.19	22.13
20	64QAM	50	24	22.28	22.21	22.19
20	64QAM	50	50	22.16	22.12	22.08
20	64QAM	100	0	22.30	22.30	22.26



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	24.09	24.13	24.05
15	QPSK	1	37	24.01	24.07	23.92
15	QPSK	1	74	24.09	24.10	23.86
15	QPSK	36	0	23.26	23.30	23.16
15	QPSK	36	20	23.28	23.25	23.13
15	QPSK	36	39	23.23	23.18	23.04
15	QPSK	75	0	23.23	23.31	23.14
15	16QAM	1	0	23.33	23.49	23.63
15	16QAM	1	37	23.50	23.31	23.15
15	16QAM	1	74	23.33	23.37	23.22
15	16QAM	36	0	22.31	22.27	22.15
15	16QAM	36	20	22.21	22.27	22.12
15	16QAM	36	39	22.27	22.19	22.05
15	16QAM	75	0	22.36	22.31	22.17
15	64QAM	1	0	22.36	22.55	22.34
15	64QAM	1	37	22.35	22.18	22.34
15	64QAM	1	74	22.33	22.42	22.51
15	64QAM	36	0	22.33	22.26	22.18
15	64QAM	36	20	22.25	22.30	22.15
15	64QAM	36	39	22.26	22.25	22.17
15	64QAM	75	0	22.28	22.22	22.16



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	24.43	24.44	24.02
10	QPSK	1	25	24.33	24.29	24.08
10	QPSK	1	49	24.08	24.38	23.96
10	QPSK	25	0	23.43	23.42	23.36
10	QPSK	25	12	23.51	23.45	23.29
10	QPSK	25	25	23.43	23.46	23.28
10	QPSK	50	0	23.47	23.35	23.26
10	16QAM	1	0	23.70	23.57	23.49
10	16QAM	1	25	23.62	23.60	23.41
10	16QAM	1	49	23.60	23.54	23.37
10	16QAM	25	0	22.55	22.42	22.35
10	16QAM	25	12	22.57	22.53	22.34
10	16QAM	25	25	22.46	22.44	22.42
10	16QAM	50	0	22.47	22.51	22.29
10	64QAM	1	0	23.51	23.47	23.26
10	64QAM	1	25	23.32	23.53	23.27
10	64QAM	1	49	23.36	23.45	23.34
10	64QAM	25	0	22.50	22.36	22.30
10	64QAM	25	12	22.49	22.46	22.26
10	64QAM	25	25	22.50	22.28	22.15
10	64QAM	50	0	22.34	22.34	22.30



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	24.30	24.30	24.11
5	QPSK	1	12	24.25	24.23	24.08
5	QPSK	1	24	24.28	24.22	24.13
5	QPSK	12	0	23.37	23.40	23.34
5	QPSK	12	7	23.46	23.42	23.28
5	QPSK	12	13	23.38	23.41	23.24
5	QPSK	25	0	23.39	23.42	23.26
5	16QAM	1	0	23.65	23.55	23.44
5	16QAM	1	12	23.57	23.77	23.65
5	16QAM	1	24	23.61	23.64	23.42
5	16QAM	12	0	22.47	22.46	22.41
5	16QAM	12	7	22.46	22.49	22.37
5	16QAM	12	13	22.47	22.40	22.33
5	16QAM	25	0	22.45	22.47	22.39
5	64QAM	1	0	22.44	22.24	22.34
5	64QAM	1	12	22.42	22.44	22.15
5	64QAM	1	24	22.35	22.24	22.25
5	64QAM	12	0	22.42	22.40	22.30
5	64QAM	12	7	22.40	22.44	22.36
5	64QAM	12	13	22.37	22.38	22.28
5	64QAM	25	0	22.40	22.41	22.22



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	24.08	24.25	24.06
20	QPSK	1	49	24.22	24.11	24.11
20	QPSK	1	99	24.17	24.01	24.19
20	QPSK	50	0	23.15	23.38	23.20
20	QPSK	50	24	23.25	23.24	23.20
20	QPSK	50	50	23.36	23.28	23.26
20	QPSK	100	0	23.17	23.14	23.20
20	16QAM	1	0	23.41	23.40	23.57
20	16QAM	1	49	23.55	23.21	23.22
20	16QAM	1	99	23.16	23.20	23.35
20	16QAM	50	0	22.30	22.15	22.15
20	16QAM	50	24	22.25	22.20	22.16
20	16QAM	50	50	22.36	22.40	22.37
20	16QAM	100	0	22.32	22.29	22.14
20	64QAM	1	0	22.52	22.54	22.15
20	64QAM	1	49	22.39	22.25	22.32
20	64QAM	1	99	22.28	22.23	22.11
20	64QAM	50	0	22.20	22.19	22.15
20	64QAM	50	24	22.20	22.23	22.19
20	64QAM	50	50	22.41	22.26	22.28
20	64QAM	100	0	22.27	22.16	22.23



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	24.06	24.18	24.04
15	QPSK	1	37	24.20	24.23	24.09
15	QPSK	1	74	24.15	23.99	24.17
15	QPSK	36	0	23.13	23.12	23.18
15	QPSK	36	20	23.23	23.22	23.18
15	QPSK	36	39	23.34	23.26	23.24
15	QPSK	75	0	23.15	23.12	23.18
15	16QAM	1	0	23.39	23.38	23.55
15	16QAM	1	37	23.53	23.19	23.20
15	16QAM	1	74	23.14	23.18	23.33
15	16QAM	36	0	22.28	22.13	22.13
15	16QAM	36	20	22.23	22.18	22.14
15	16QAM	36	39	22.34	22.38	22.35
15	16QAM	75	0	22.30	22.27	22.12
15	64QAM	1	0	22.25	22.26	22.13
15	64QAM	1	37	22.37	22.42	22.28
15	64QAM	1	74	22.36	22.11	22.18
15	64QAM	36	0	22.24	22.17	22.12
15	64QAM	36	20	22.20	22.21	22.17
15	64QAM	36	39	22.39	22.24	22.26
15	64QAM	75	0	22.25	22.14	22.21



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	24.04	24.16	24.02
10	QPSK	1	25	24.18	24.21	24.07
10	QPSK	1	49	24.13	23.97	24.15
10	QPSK	25	0	23.11	23.10	23.16
10	QPSK	25	12	23.21	23.20	23.16
10	QPSK	25	25	23.32	23.24	23.22
10	QPSK	50	0	23.13	23.10	23.16
10	16QAM	1	0	23.37	23.36	23.53
10	16QAM	1	25	23.51	23.17	23.18
10	16QAM	1	49	23.12	23.16	23.31
10	16QAM	25	0	22.26	22.11	22.11
10	16QAM	25	12	22.21	22.16	22.12
10	16QAM	25	25	22.32	22.36	22.33
10	16QAM	50	0	22.28	22.25	22.10
10	64QAM	1	0	22.24	22.45	22.11
10	64QAM	1	25	22.21	22.38	22.26
10	64QAM	1	49	22.34	22.29	22.27
10	64QAM	25	0	22.17	22.15	22.11
10	64QAM	25	12	22.18	22.19	22.15
10	64QAM	25	25	22.37	22.22	22.24
10	64QAM	50	0	22.23	22.12	22.19



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	24.02	24.14	24.00
5	QPSK	1	12	24.16	24.19	24.05
5	QPSK	1	24	24.11	23.95	24.13
5	QPSK	12	0	23.09	23.08	23.14
5	QPSK	12	7	23.19	23.18	23.14
5	QPSK	12	13	23.30	23.22	23.20
5	QPSK	25	0	23.11	23.08	23.14
5	16QAM	1	0	23.35	23.34	23.51
5	16QAM	1	12	23.49	23.15	23.16
5	16QAM	1	24	23.10	23.14	23.29
5	16QAM	12	0	22.24	22.09	22.09
5	16QAM	12	7	22.19	22.14	22.10
5	16QAM	12	13	22.30	22.34	22.31
5	16QAM	25	0	22.26	22.23	22.08
5	64QAM	1	0	22.46	22.25	22.29
5	64QAM	1	12	22.33	22.36	22.24
5	64QAM	1	24	22.24	22.17	22.34
5	64QAM	12	0	22.15	22.13	22.09
5	64QAM	12	7	22.16	22.17	22.13
5	64QAM	12	13	22.35	22.20	22.22
5	64QAM	25	0	22.21	22.10	22.17



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	24.06	24.18	24.04
3	QPSK	1	8	24.20	24.23	24.09
3	QPSK	1	14	24.15	23.99	24.17
3	QPSK	8	0	23.13	23.12	23.18
3	QPSK	8	4	23.23	23.22	23.18
3	QPSK	8	7	23.34	23.26	23.24
3	QPSK	15	0	23.15	23.12	23.18
3	16QAM	1	0	23.39	23.38	23.55
3	16QAM	1	8	23.53	23.19	23.20
3	16QAM	1	14	23.14	23.18	23.33
3	16QAM	8	0	22.28	22.13	22.13
3	16QAM	8	4	22.23	22.18	22.14
3	16QAM	8	7	22.34	22.38	22.35
3	16QAM	15	0	22.30	22.27	22.12
3	64QAM	1	0	22.43	22.54	22.13
3	64QAM	1	8	22.27	22.45	22.28
3	64QAM	1	14	22.23	22.11	22.29
3	64QAM	8	0	22.19	22.17	22.13
3	64QAM	8	4	22.20	22.21	22.17
3	64QAM	8	7	22.39	22.24	22.26
3	64QAM	15	0	22.25	22.14	22.21



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	24.00	24.12	23.98
1.4	QPSK	1	3	24.14	24.17	24.03
1.4	QPSK	1	5	24.09	23.93	24.11
1.4	QPSK	3	0	23.07	23.06	23.12
1.4	QPSK	3	1	23.17	23.16	23.12
1.4	QPSK	3	3	23.28	23.20	23.18
1.4	QPSK	6	0	23.09	23.06	23.12
1.4	16QAM	1	0	23.33	23.32	23.49
1.4	16QAM	1	3	23.47	23.13	23.14
1.4	16QAM	1	5	23.08	23.12	23.27
1.4	16QAM	3	0	22.22	22.07	22.07
1.4	16QAM	3	1	22.17	22.12	22.08
1.4	16QAM	3	3	22.28	22.32	22.29
1.4	16QAM	6	0	22.24	22.21	22.06
1.4	64QAM	1	0	22.44	22.42	22.27
1.4	64QAM	1	3	22.31	22.31	22.22
1.4	64QAM	1	5	22.20	22.35	22.24
1.4	64QAM	3	0	22.13	22.11	22.07
1.4	64QAM	3	1	22.14	22.15	22.11
1.4	64QAM	3	3	22.33	22.18	22.20
1.4	64QAM	6	0	22.19	22.08	22.24



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	24.02	24.12	24.08
20	QPSK	1	49	23.82	24.08	23.72
20	QPSK	1	99	24.07	23.91	23.88
20	QPSK	50	0	23.11	23.67	23.55
20	QPSK	50	24	23.43	23.62	23.67
20	QPSK	50	50	23.61	23.64	23.61
20	QPSK	100	0	23.07	23.45	23.45
20	16QAM	1	0	23.57	23.35	23.36
20	16QAM	1	49	23.26	23.08	23.25
20	16QAM	1	99	23.11	23.11	23.34
20	16QAM	50	0	22.54	22.53	22.02
20	16QAM	50	24	22.65	22.68	22.64
20	16QAM	50	50	22.57	22.67	22.57
20	16QAM	100	0	22.66	22.65	22.76
20	64QAM	1	0	22.65	22.83	22.63
20	64QAM	1	49	22.76	22.64	22.34
20	64QAM	1	99	22.81	22.78	22.45
20	64QAM	50	0	22.77	22.62	22.68
20	64QAM	50	24	22.86	22.54	22.76
20	64QAM	50	50	22.67	22.67	22.64
20	64QAM	100	0	22.84	22.87	22.57



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	23.94	24.04	24.00
15	QPSK	1	37	23.74	24.00	23.64
15	QPSK	1	74	23.99	23.83	23.80
15	QPSK	36	0	23.03	23.59	23.47
15	QPSK	36	20	23.35	23.54	23.59
15	QPSK	36	39	23.53	23.56	23.53
15	QPSK	75	0	22.99	23.37	23.37
15	16QAM	1	0	23.49	23.27	23.28
15	16QAM	1	37	23.18	23.00	23.17
15	16QAM	1	74	23.03	23.03	23.26
15	16QAM	36	0	22.46	22.45	21.94
15	16QAM	36	20	22.57	22.60	22.56
15	16QAM	36	39	22.49	22.59	22.49
15	16QAM	75	0	22.58	22.57	22.68
15	64QAM	1	0	22.57	22.75	22.55
15	64QAM	1	37	22.68	22.56	22.26
15	64QAM	1	74	22.73	22.70	22.37
15	64QAM	36	0	22.69	22.54	22.60
15	64QAM	36	20	22.78	22.46	22.68
15	64QAM	36	39	22.59	22.59	22.56
15	64QAM	75	0	22.76	22.79	22.49



LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133172	133272	133422
Frequency (MHz)				668	678	693
10	QPSK	1	0	23.97	24.07	24.03
10	QPSK	1	25	23.77	24.03	23.67
10	QPSK	1	49	24.02	23.86	23.83
10	QPSK	25	0	23.06	23.62	23.50
10	QPSK	25	12	23.38	23.57	23.62
10	QPSK	25	25	23.56	23.59	23.56
10	QPSK	50	0	23.02	23.40	23.40
10	16QAM	1	0	23.52	23.30	23.31
10	16QAM	1	25	23.21	23.03	23.20
10	16QAM	1	49	23.06	23.06	23.29
10	16QAM	25	0	22.49	22.48	21.97
10	16QAM	25	12	22.60	22.63	22.59
10	16QAM	25	25	22.52	22.62	22.52
10	16QAM	50	0	22.61	22.60	22.71
10	64QAM	1	0	22.60	22.78	22.58
10	64QAM	1	25	22.71	22.59	22.29
10	64QAM	1	49	22.76	22.73	22.40
10	64QAM	25	0	22.72	22.57	22.63
10	64QAM	25	12	22.81	22.49	22.71
10	64QAM	25	25	22.62	22.62	22.59
10	64QAM	50	0	22.79	22.82	22.52



LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133147	133247	133447
Frequency (MHz)				665.5	675.5	695.5
5	QPSK	1	0	23.99	24.09	24.05
5	QPSK	1	12	23.79	24.05	23.69
5	QPSK	1	24	24.04	23.88	23.85
5	QPSK	12	0	23.08	23.56	23.52
5	QPSK	12	7	23.40	23.59	23.64
5	QPSK	12	13	23.58	23.61	23.58
5	QPSK	25	0	23.04	23.42	23.42
5	16QAM	1	0	23.54	23.32	23.33
5	16QAM	1	12	23.23	23.05	23.22
5	16QAM	1	24	23.08	23.08	23.31
5	16QAM	12	0	22.51	22.50	21.99
5	16QAM	12	7	22.62	22.65	22.61
5	16QAM	12	13	22.54	22.64	22.54
5	16QAM	25	0	22.63	22.62	22.73
5	64QAM	1	0	22.62	22.80	22.60
5	64QAM	1	12	22.73	22.61	22.31
5	64QAM	1	24	22.78	22.75	22.42
5	64QAM	12	0	22.74	22.59	22.65
5	64QAM	12	7	22.83	22.51	22.73
5	64QAM	12	13	22.64	22.64	22.61
5	64QAM	25	0	22.81	22.84	22.54



Bottom Antenna

LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18700	18900	19100
Frequency (MHz)				1860	1880	1900
20	QPSK	1	0	23.44	23.56	23.34
20	QPSK	1	49	23.31	23.28	23.34
20	QPSK	1	99	23.37	23.29	23.25
20	QPSK	50	0	22.41	22.58	22.39
20	QPSK	50	24	22.43	22.38	22.58
20	QPSK	50	50	22.43	22.48	22.48
20	QPSK	100	0	22.41	22.35	22.69
20	16QAM	1	0	22.79	22.41	22.64
20	16QAM	1	49	22.39	22.73	22.62
20	16QAM	1	99	22.75	22.52	22.42
20	16QAM	50	0	22.38	22.44	22.64
20	16QAM	50	24	22.47	22.64	22.36
20	16QAM	50	50	22.44	22.83	22.53
20	16QAM	100	0	22.45	22.62	22.62
20	64QAM	1	0	22.48	22.64	22.53
20	64QAM	1	49	22.61	22.82	22.29
20	64QAM	1	99	22.41	22.83	22.63
20	64QAM	50	0	22.38	22.53	22.47
20	64QAM	50	24	22.64	22.46	22.62
20	64QAM	50	50	22.59	22.65	22.57
20	64QAM	100	0	22.54	22.64	22.58



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18675	18900	19125
Frequency (MHz)				1857.5	1880	1902.5
15	QPSK	1	0	23.28	23.25	23.17
15	QPSK	1	37	23.23	23.34	23.24
15	QPSK	1	74	23.37	23.33	23.38
15	QPSK	36	0	22.56	22.28	22.20
15	QPSK	36	20	22.58	22.39	22.41
15	QPSK	36	39	22.64	22.35	22.42
15	QPSK	75	0	22.52	22.54	22.31
15	16QAM	1	0	22.79	22.43	22.54
15	16QAM	1	37	22.64	22.43	22.71
15	16QAM	1	74	22.84	22.89	22.90
15	16QAM	36	0	22.54	22.62	22.55
15	16QAM	36	20	22.35	22.45	22.62
15	16QAM	36	39	22.62	22.35	22.56
15	16QAM	75	0	22.48	22.65	22.92
15	64QAM	1	0	22.62	22.62	22.61
15	64QAM	1	37	22.55	22.51	22.62
15	64QAM	1	74	22.65	22.62	22.64
15	64QAM	36	0	22.44	22.54	22.54
15	64QAM	36	20	22.53	22.58	22.55
15	64QAM	36	39	22.61	22.61	22.64
15	64QAM	75	0	22.54	22.58	22.62



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18650	18900	19150
Frequency (MHz)				1855	1880	1905
10	QPSK	1	0	23.54	23.30	23.51
10	QPSK	1	25	23.22	23.53	23.42
10	QPSK	1	49	23.45	23.48	23.54
10	QPSK	25	0	22.54	22.44	22.35
10	QPSK	25	12	22.55	22.59	22.48
10	QPSK	25	25	22.45	22.46	22.54
10	QPSK	50	0	22.57	22.54	22.47
10	16QAM	1	0	22.56	22.94	22.84
10	16QAM	1	25	22.87	22.47	22.51
10	16QAM	1	49	22.52	22.92	22.62
10	16QAM	25	0	22.74	22.55	22.47
10	16QAM	25	12	22.52	22.62	22.62
10	16QAM	25	25	22.64	22.61	22.52
10	16QAM	50	0	22.54	22.51	22.64
10	64QAM	1	0	22.28	22.40	22.62
10	64QAM	1	25	22.64	22.48	22.34
10	64QAM	1	49	22.61	22.30	22.66
10	64QAM	25	0	22.58	22.64	22.55
10	64QAM	25	12	22.64	22.58	22.66
10	64QAM	25	25	22.54	22.62	22.34
10	64QAM	50	0	22.53	22.57	22.51



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18625	18900	19175
Frequency (MHz)				1852.5	1880	1907.5
5	QPSK	1	0	23.42	23.31	23.50
5	QPSK	1	12	23.52	23.56	23.37
5	QPSK	1	24	23.36	23.39	23.30
5	QPSK	12	0	22.57	22.52	22.59
5	QPSK	12	7	22.52	22.54	22.57
5	QPSK	12	13	22.41	22.43	22.43
5	QPSK	25	0	22.49	22.55	22.46
5	16QAM	1	0	22.68	22.71	22.52
5	16QAM	1	12	22.55	22.67	22.91
5	16QAM	1	24	22.40	22.47	22.80
5	16QAM	12	0	22.62	22.55	22.54
5	16QAM	12	7	22.62	22.66	22.62
5	16QAM	12	13	22.45	22.66	22.24
5	16QAM	25	0	22.53	22.51	22.56
5	64QAM	1	0	22.44	22.52	22.34
5	64QAM	1	12	22.29	22.58	22.77
5	64QAM	1	24	22.54	22.37	22.42
5	64QAM	12	0	22.62	22.34	22.58
5	64QAM	12	7	22.61	22.53	22.50
5	64QAM	12	13	22.54	22.52	22.46
5	64QAM	25	0	22.45	22.57	22.52



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18615	18900	19185
Frequency (MHz)				1851.5	1880	1908.5
3	QPSK	1	0	23.41	23.52	23.46
3	QPSK	1	8	23.52	23.51	23.38
3	QPSK	1	14	23.34	23.25	23.33
3	QPSK	8	0	22.56	22.60	22.51
3	QPSK	8	4	22.51	22.50	22.55
3	QPSK	8	7	22.41	22.45	22.47
3	QPSK	15	0	22.49	22.46	22.52
3	16QAM	1	0	22.63	22.35	22.67
3	16QAM	1	8	22.37	22.61	22.97
3	16QAM	1	14	22.90	22.74	22.73
3	16QAM	8	0	22.64	22.60	22.60
3	16QAM	8	4	22.56	22.55	22.66
3	16QAM	8	7	22.53	22.62	22.55
3	16QAM	15	0	22.58	22.48	22.45
3	64QAM	1	0	22.51	22.76	22.62
3	64QAM	1	8	22.61	22.67	22.50
3	64QAM	1	14	22.53	22.51	22.70
3	64QAM	8	0	22.48	22.62	22.62
3	64QAM	8	4	22.60	22.55	22.60
3	64QAM	8	7	22.64	22.60	22.42
3	64QAM	15	0	22.59	22.40	22.49



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18607	18900	19193
Frequency (MHz)				1850.7	1880	1909.3
1.4	QPSK	1	0	23.45	23.36	23.42
1.4	QPSK	1	3	23.43	23.49	23.42
1.4	QPSK	1	5	23.29	23.34	23.33
1.4	QPSK	3	0	23.48	23.36	23.44
1.4	QPSK	3	1	23.45	23.50	23.35
1.4	QPSK	3	3	23.35	23.40	23.41
1.4	QPSK	6	0	22.48	22.48	22.39
1.4	16QAM	1	0	22.92	22.63	22.74
1.4	16QAM	1	3	22.92	22.66	22.73
1.4	16QAM	1	5	22.88	22.54	22.53
1.4	16QAM	3	0	22.56	22.39	22.51
1.4	16QAM	3	1	22.52	22.58	22.53
1.4	16QAM	3	3	22.46	22.54	22.45
1.4	16QAM	6	0	22.52	22.45	22.62
1.4	64QAM	1	0	22.56	22.56	22.55
1.4	64QAM	1	3	22.62	22.39	22.58
1.4	64QAM	1	5	22.88	22.63	22.51
1.4	64QAM	3	0	22.63	22.62	22.58
1.4	64QAM	3	1	22.65	22.66	22.50
1.4	64QAM	3	3	22.24	22.56	22.42
1.4	64QAM	6	0	22.64	22.62	22.55



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20050	20175	20300
Frequency (MHz)				1720	1732.5	1745
20	QPSK	1	0	20.01	20.21	20.11
20	QPSK	1	49	20.03	20.05	19.92
20	QPSK	1	99	19.95	19.83	19.92
20	QPSK	50	0	18.91	19.16	18.94
20	QPSK	50	24	19.01	19.11	19.08
20	QPSK	50	50	18.88	18.97	18.96
20	QPSK	100	0	18.89	18.94	18.94
20	16QAM	1	0	19.16	18.89	19.42
20	16QAM	1	49	19.00	19.49	19.39
20	16QAM	1	99	19.32	18.94	19.46
20	16QAM	50	0	18.91	18.86	18.95
20	16QAM	50	24	19.01	18.95	19.05
20	16QAM	50	50	19.00	18.96	18.93
20	16QAM	100	0	19.03	18.98	19.01
20	64QAM	1	0	19.45	19.01	19.11
20	64QAM	1	49	19.06	19.07	19.11
20	64QAM	1	99	18.94	18.98	19.23
20	64QAM	50	0	19.04	19.00	19.04
20	64QAM	50	24	19.05	19.03	19.15
20	64QAM	50	50	18.92	19.01	19.03
20	64QAM	100	0	19.03	19.02	19.11



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	19.89	20.01	20.15
15	QPSK	1	37	19.84	19.90	19.87
15	QPSK	1	74	19.72	19.88	19.80
15	QPSK	36	0	18.93	19.00	19.05
15	QPSK	36	20	19.05	18.97	19.09
15	QPSK	36	39	18.98	18.89	18.96
15	QPSK	75	0	19.03	19.06	19.11
15	16QAM	1	0	19.12	19.21	19.13
15	16QAM	1	37	19.25	19.29	19.20
15	16QAM	1	74	19.43	19.22	19.53
15	16QAM	36	0	18.95	18.96	19.02
15	16QAM	36	20	18.92	19.04	19.03
15	16QAM	36	39	18.98	18.98	18.96
15	16QAM	75	0	18.90	19.02	19.04
15	64QAM	1	0	19.15	19.13	19.48
15	64QAM	1	37	19.05	19.43	19.00
15	64QAM	1	74	18.92	19.19	19.05
15	64QAM	36	0	18.90	19.01	19.00
15	64QAM	36	20	18.98	19.01	19.14
15	64QAM	36	39	18.92	18.98	18.91
15	64QAM	75	0	19.03	19.09	18.89



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20000	20175	20350
Frequency (MHz)				1715	1732.5	1750
10	QPSK	1	0	19.99	20.15	19.78
10	QPSK	1	25	20.08	20.05	19.78
10	QPSK	1	49	19.91	19.95	20.11
10	QPSK	25	0	19.05	19.08	19.16
10	QPSK	25	12	19.10	19.10	19.15
10	QPSK	25	25	19.01	19.13	19.24
10	QPSK	50	0	19.12	19.13	19.16
10	16QAM	1	0	19.38	19.50	19.52
10	16QAM	1	25	19.05	19.12	19.73
10	16QAM	1	49	19.07	19.22	19.26
10	16QAM	25	0	19.18	19.12	19.14
10	16QAM	25	12	19.23	19.17	19.13
10	16QAM	25	25	19.03	19.03	19.14
10	16QAM	50	0	19.14	19.12	19.13
10	64QAM	1	0	19.37	19.16	18.94
10	64QAM	1	25	18.97	19.31	19.17
10	64QAM	1	49	18.89	19.27	18.98
10	64QAM	25	0	18.96	19.11	19.22
10	64QAM	25	12	19.15	19.21	19.18
10	64QAM	25	25	19.16	19.10	19.21
10	64QAM	50	0	19.11	19.17	19.13



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19975	20175	20375
Frequency (MHz)				1712.5	1732.5	1752.5
5	QPSK	1	0	20.06	19.92	20.13
5	QPSK	1	12	20.00	20.01	20.11
5	QPSK	1	24	20.02	20.03	20.12
5	QPSK	12	0	19.13	19.13	19.22
5	QPSK	12	7	19.08	19.19	19.25
5	QPSK	12	13	19.06	19.10	19.17
5	QPSK	25	0	19.14	19.07	19.15
5	16QAM	1	0	19.21	19.30	19.56
5	16QAM	1	12	19.50	19.63	19.71
5	16QAM	1	24	19.14	19.18	19.19
5	16QAM	12	0	19.04	19.05	19.17
5	16QAM	12	7	19.10	19.16	19.11
5	16QAM	12	13	19.02	19.14	19.15
5	16QAM	25	0	19.14	19.00	19.12
5	64QAM	1	0	19.05	19.14	19.41
5	64QAM	1	12	18.75	19.50	19.39
5	64QAM	1	24	19.11	19.18	19.12
5	64QAM	12	0	19.06	19.08	19.06
5	64QAM	12	7	19.20	19.13	19.13
5	64QAM	12	13	19.03	19.16	19.14
5	64QAM	25	0	19.23	19.12	19.03



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19965	20175	20385
Frequency (MHz)				1711.5	1732.5	1753.5
3	QPSK	1	0	20.08	20.07	20.01
3	QPSK	1	8	19.97	20.12	20.16
3	QPSK	1	14	20.06	20.05	20.00
3	QPSK	8	0	19.11	19.03	19.13
3	QPSK	8	4	19.09	19.12	19.21
3	QPSK	8	7	19.08	19.05	19.10
3	QPSK	15	0	19.10	19.09	19.13
3	16QAM	1	0	19.29	19.45	19.33
3	16QAM	1	8	19.61	19.20	19.18
3	16QAM	1	14	19.62	19.18	19.45
3	16QAM	8	0	19.14	19.21	19.25
3	16QAM	8	4	19.03	19.16	19.08
3	16QAM	8	7	19.04	19.05	19.12
3	16QAM	15	0	19.00	19.16	19.14
3	64QAM	1	0	19.11	19.25	19.12
3	64QAM	1	8	19.16	19.12	19.06
3	64QAM	1	14	19.27	19.04	19.27
3	64QAM	8	0	19.16	19.25	19.12
3	64QAM	8	4	19.07	19.11	19.19
3	64QAM	8	7	19.12	19.13	19.07
3	64QAM	15	0	19.04	19.14	19.11



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	19.94	19.96	19.95
1.4	QPSK	1	3	19.99	20.11	20.13
1.4	QPSK	1	5	19.86	19.96	19.94
1.4	QPSK	3	0	19.89	19.94	20.11
1.4	QPSK	3	1	20.00	19.96	20.07
1.4	QPSK	3	3	19.93	19.88	20.02
1.4	QPSK	6	0	19.02	18.98	19.05
1.4	16QAM	1	0	18.88	19.22	19.45
1.4	16QAM	1	3	19.47	19.56	19.58
1.4	16QAM	1	5	19.17	19.14	19.49
1.4	16QAM	3	0	19.03	18.99	19.18
1.4	16QAM	3	1	18.92	19.09	19.22
1.4	16QAM	3	3	18.99	19.05	19.17
1.4	16QAM	6	0	19.03	19.14	18.86
1.4	64QAM	1	0	18.92	19.11	19.14
1.4	64QAM	1	3	19.23	19.13	19.18
1.4	64QAM	1	5	19.06	19.49	19.15
1.4	64QAM	3	0	19.12	18.89	19.24
1.4	64QAM	3	1	19.16	19.10	19.37
1.4	64QAM	3	3	18.98	19.04	19.20
1.4	64QAM	6	0	19.08	19.00	19.06



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	22.56	22.69	22.40
10	QPSK	1	25	22.43	22.54	22.56
10	QPSK	1	49	22.44	22.37	22.31
10	QPSK	25	0	21.42	21.54	21.43
10	QPSK	25	12	21.46	21.45	21.41
10	QPSK	25	25	21.54	21.41	21.50
10	QPSK	50	0	21.50	21.45	21.53
10	16QAM	1	0	21.81	21.51	21.90
10	16QAM	1	25	21.47	21.45	21.49
10	16QAM	1	49	21.76	21.57	21.70
10	16QAM	25	0	20.48	20.46	20.53
10	16QAM	25	12	20.54	20.47	20.54
10	16QAM	25	25	20.50	20.53	20.47
10	16QAM	50	0	20.53	20.52	20.44
10	64QAM	1	0	20.62	20.83	20.57
10	64QAM	1	25	20.53	20.75	20.76
10	64QAM	1	49	20.78	20.64	20.44
10	64QAM	25	0	20.45	20.43	20.42
10	64QAM	25	12	20.55	20.43	20.37
10	64QAM	25	25	20.43	20.53	20.42
10	64QAM	50	0	20.50	20.51	20.46



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	22.44	22.29	22.31
5	QPSK	1	12	22.48	22.27	22.33
5	QPSK	1	24	22.42	22.43	22.19
5	QPSK	12	0	21.54	21.48	21.42
5	QPSK	12	7	21.47	21.45	21.42
5	QPSK	12	13	21.50	21.42	21.43
5	QPSK	25	0	21.48	21.53	21.42
5	16QAM	1	0	21.58	21.60	21.88
5	16QAM	1	12	21.59	21.64	21.52
5	16QAM	1	24	21.49	21.43	21.90
5	16QAM	12	0	20.42	20.36	20.52
5	16QAM	12	7	20.56	20.54	20.46
5	16QAM	12	13	20.49	20.54	20.52
5	16QAM	25	0	20.56	20.53	20.31
5	64QAM	1	0	20.76	20.83	20.56
5	64QAM	1	12	20.77	20.73	20.50
5	64QAM	1	24	20.64	20.67	20.55
5	64QAM	12	0	20.41	20.38	20.39
5	64QAM	12	7	20.53	20.46	20.39
5	64QAM	12	13	20.44	20.43	20.49
5	64QAM	25	0	20.42	20.50	20.44



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	22.36	22.27	22.24
3	QPSK	1	8	22.43	22.33	22.25
3	QPSK	1	14	22.25	22.33	22.29
3	QPSK	8	0	21.45	21.39	21.44
3	QPSK	8	4	21.44	21.42	21.42
3	QPSK	8	7	21.48	21.46	21.43
3	QPSK	15	0	21.41	21.45	21.32
3	16QAM	1	0	21.62	21.82	21.59
3	16QAM	1	8	21.88	21.82	21.55
3	16QAM	1	14	21.71	21.74	21.51
3	16QAM	8	0	20.47	20.41	20.53
3	16QAM	8	4	20.61	20.45	20.31
3	16QAM	8	7	20.33	20.46	20.47
3	16QAM	15	0	20.48	20.54	20.46
3	64QAM	1	0	20.66	20.56	20.56
3	64QAM	1	8	20.57	20.46	20.73
3	64QAM	1	14	20.57	20.73	20.67
3	64QAM	8	0	20.51	20.34	20.29
3	64QAM	8	4	20.40	20.68	20.35
3	64QAM	8	7	20.57	20.38	20.45
3	64QAM	15	0	20.46	20.45	20.38



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	22.26	22.27	22.28
1.4	QPSK	1	3	22.33	22.30	22.28
1.4	QPSK	1	5	22.20	22.30	22.18
1.4	QPSK	3	0	22.28	22.28	22.27
1.4	QPSK	3	1	22.30	22.30	22.24
1.4	QPSK	3	3	22.23	22.34	22.17
1.4	QPSK	6	0	21.33	21.34	21.30
1.4	16QAM	1	0	21.81	21.61	21.56
1.4	16QAM	1	3	21.92	21.90	21.57
1.4	16QAM	1	5	21.90	21.70	21.52
1.4	16QAM	3	0	21.25	21.29	21.40
1.4	16QAM	3	1	21.30	21.37	21.40
1.4	16QAM	3	3	21.27	21.28	21.26
1.4	16QAM	6	0	20.78	20.57	20.50
1.4	64QAM	1	0	20.87	20.63	20.61
1.4	64QAM	1	3	20.50	20.87	20.58
1.4	64QAM	1	5	20.76	20.76	20.46
1.4	64QAM	3	0	20.57	20.64	20.54
1.4	64QAM	3	1	20.48	20.48	20.61
1.4	64QAM	3	3	20.67	20.56	20.56
1.4	64QAM	6	0	20.58	20.50	20.76



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				23060	23095	23130
Frequency (MHz)				704	707.5	711
10	QPSK	1	0	23.93	23.76	23.80
10	QPSK	1	25	23.81	23.68	23.60
10	QPSK	1	49	23.67	23.85	23.72
10	QPSK	25	0	22.92	22.84	22.84
10	QPSK	25	12	22.82	22.74	22.89
10	QPSK	25	25	22.84	22.75	22.86
10	QPSK	50	0	22.96	22.75	22.92
10	16QAM	1	0	22.98	23.00	23.10
10	16QAM	1	25	22.95	23.12	22.82
10	16QAM	1	49	23.05	23.06	23.12
10	16QAM	25	0	22.74	22.76	22.64
10	16QAM	25	12	22.87	22.64	22.53
10	16QAM	25	25	22.49	22.58	22.55
10	16QAM	50	0	22.79	22.67	22.62
10	64QAM	1	0	22.38	22.56	22.64
10	64QAM	1	25	22.62	22.56	22.49
10	64QAM	1	49	22.58	22.67	22.68
10	64QAM	25	0	22.77	22.64	22.75
10	64QAM	25	12	22.64	22.58	22.49
10	64QAM	25	25	22.55	22.64	22.57
10	64QAM	50	0	22.64	22.58	22.61



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23035	23095	23155
Frequency (MHz)				701.5	707.5	713.5
5	QPSK	1	0	23.68	23.60	23.70
5	QPSK	1	12	23.69	23.80	23.71
5	QPSK	1	24	23.76	23.90	23.63
5	QPSK	12	0	22.76	22.85	22.77
5	QPSK	12	7	22.83	22.90	22.94
5	QPSK	12	13	22.81	22.90	22.77
5	QPSK	25	0	22.85	22.89	22.76
5	16QAM	1	0	22.96	22.89	23.07
5	16QAM	1	12	22.82	23.01	22.99
5	16QAM	1	24	23.21	22.90	23.19
5	16QAM	12	0	22.82	22.57	22.55
5	16QAM	12	7	22.64	22.62	22.60
5	16QAM	12	13	22.75	22.57	22.45
5	16QAM	25	0	22.62	22.55	22.51
5	64QAM	1	0	22.64	22.62	22.62
5	64QAM	1	12	22.54	22.34	22.34
5	64QAM	1	24	22.56	22.54	22.34
5	64QAM	12	0	22.67	22.15	22.51
5	64QAM	12	7	22.55	22.61	22.34
5	64QAM	12	13	22.62	22.51	22.54
5	64QAM	25	0	22.57	22.54	22.57



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23025	23095	23165
Frequency (MHz)				700.5	707.5	714.5
3	QPSK	1	0	23.78	23.77	23.71
3	QPSK	1	8	23.65	23.93	23.89
3	QPSK	1	14	23.60	23.82	23.75
3	QPSK	8	0	22.82	22.82	22.74
3	QPSK	8	4	22.80	22.83	22.83
3	QPSK	8	7	22.75	22.83	22.82
3	QPSK	15	0	22.80	22.79	22.75
3	16QAM	1	0	23.16	22.89	22.94
3	16QAM	1	8	23.05	22.98	23.00
3	16QAM	1	14	23.02	23.10	23.11
3	16QAM	8	0	22.57	22.62	22.62
3	16QAM	8	4	22.62	22.51	22.54
3	16QAM	8	7	22.57	22.31	22.32
3	16QAM	15	0	22.46	22.61	22.43
3	64QAM	1	0	22.59	22.54	22.62
3	64QAM	1	8	22.61	22.53	22.55
3	64QAM	1	14	22.63	22.50	22.44
3	64QAM	8	0	22.57	22.72	22.57
3	64QAM	8	4	22.62	22.61	22.54
3	64QAM	8	7	22.57	22.46	22.53
3	64QAM	15	0	22.56	22.72	22.61



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23017	23095	23173
Frequency (MHz)				699.7	707.5	715.3
1.4	QPSK	1	0	23.62	23.72	23.72
1.4	QPSK	1	3	23.70	23.75	23.72
1.4	QPSK	1	5	23.62	23.69	23.62
1.4	QPSK	3	0	23.68	23.72	23.66
1.4	QPSK	3	1	23.70	23.68	23.72
1.4	QPSK	3	3	23.65	23.72	23.60
1.4	QPSK	6	0	22.74	22.73	22.73
1.4	16QAM	1	0	22.95	23.24	22.90
1.4	16QAM	1	3	22.94	23.11	22.92
1.4	16QAM	1	5	23.09	23.19	23.10
1.4	16QAM	3	0	22.73	22.72	22.76
1.4	16QAM	3	1	22.84	22.75	22.89
1.4	16QAM	3	3	22.71	22.68	22.78
1.4	16QAM	6	0	22.65	22.66	22.82
1.4	64QAM	1	0	22.64	22.64	22.90
1.4	64QAM	1	3	22.82	22.71	22.87
1.4	64QAM	1	5	22.83	22.90	22.83
1.4	64QAM	3	0	22.71	22.82	22.96
1.4	64QAM	3	1	22.79	22.76	22.89
1.4	64QAM	3	3	22.70	22.79	22.77
1.4	64QAM	6	0	22.55	22.75	22.64



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	/	23.67	/
10	QPSK	1	25	/	23.99	/
10	QPSK	1	49	/	23.60	/
10	QPSK	25	0	/	22.66	/
10	QPSK	25	12	/	22.74	/
10	QPSK	25	25	/	22.75	/
10	QPSK	50	0	/	22.73	/
10	16QAM	1	0	/	22.80	/
10	16QAM	1	25	/	22.97	/
10	16QAM	1	49	/	22.80	/
10	16QAM	25	0	/	22.66	/
10	16QAM	25	12	/	22.75	/
10	16QAM	25	25	/	22.84	/
10	16QAM	50	0	/	22.82	/
10	64QAM	1	0	/	22.56	/
10	64QAM	1	25	/	22.37	/
10	64QAM	1	49	/	22.62	/
10	64QAM	25	0	/	21.79	/
10	64QAM	25	12	/	21.76	/
10	64QAM	25	25	/	21.72	/
10	64QAM	50	0	/	21.62	/



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	23.55	23.71	23.73
5	QPSK	1	12	23.59	23.65	23.61
5	QPSK	1	24	23.71	23.80	23.72
5	QPSK	12	0	22.68	22.72	22.68
5	QPSK	12	7	22.80	22.69	22.80
5	QPSK	12	13	22.79	22.73	22.73
5	QPSK	25	0	22.83	22.67	22.76
5	16QAM	1	0	22.90	22.77	22.81
5	16QAM	1	12	22.98	22.99	23.01
5	16QAM	1	24	23.26	23.05	22.91
5	16QAM	12	0	22.75	22.75	22.75
5	16QAM	12	7	22.64	22.72	22.65
5	16QAM	12	13	22.57	22.61	22.54
5	16QAM	25	0	22.68	22.73	22.62
5	64QAM	1	0	22.98	22.45	22.76
5	64QAM	1	12	22.35	22.62	22.86
5	64QAM	1	24	22.66	22.61	22.63
5	64QAM	12	0	21.62	21.82	21.69
5	64QAM	12	7	21.86	21.71	21.74
5	64QAM	12	13	21.82	21.82	21.75
5	64QAM	25	0	21.84	21.80	21.79



LTE Band 17						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23780	23790	23800
Frequency (MHz)				709	710	711
10	QPSK	1	0	23.92	23.78	23.77
10	QPSK	1	25	23.75	23.70	23.65
10	QPSK	1	49	23.80	23.83	23.82
10	QPSK	25	0	22.93	22.84	22.74
10	QPSK	25	12	22.74	22.85	22.88
10	QPSK	25	25	22.78	22.89	22.86
10	QPSK	50	0	22.69	22.79	22.89
10	16QAM	1	0	22.78	22.89	23.10
10	16QAM	1	25	22.94	23.10	22.86
10	16QAM	1	49	23.01	22.82	23.05
10	16QAM	25	0	22.83	22.58	22.55
10	16QAM	25	12	22.96	22.58	22.64
10	16QAM	25	25	22.59	22.61	22.72
10	16QAM	50	0	22.78	22.64	22.52
10	64QAM	1	0	21.54	21.55	21.62
10	64QAM	1	25	21.78	21.62	21.55
10	64QAM	1	49	21.53	21.63	21.42
10	64QAM	25	0	21.72	21.64	21.83
10	64QAM	25	12	21.94	21.56	21.82
10	64QAM	25	25	21.66	21.87	21.52
10	64QAM	50	0	21.79	21.80	21.83



LTE Band 17						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23755	23790	23825
Frequency (MHz)				706.5	710	713.5
5	QPSK	1	0	23.64	23.76	23.69
5	QPSK	1	12	23.63	23.69	23.83
5	QPSK	1	24	23.74	23.70	23.78
5	QPSK	12	0	22.81	22.82	22.90
5	QPSK	12	7	22.83	22.81	22.89
5	QPSK	12	13	22.76	22.78	22.79
5	QPSK	25	0	22.88	22.81	22.82
5	16QAM	1	0	23.00	22.76	23.01
5	16QAM	1	12	23.03	22.86	23.09
5	16QAM	1	24	22.88	23.09	23.04
5	16QAM	12	0	22.83	22.55	22.55
5	16QAM	12	7	22.87	22.45	22.48
5	16QAM	12	13	22.66	22.61	22.58
5	16QAM	25	0	22.56	22.64	22.34
5	64QAM	1	0	21.46	21.54	21.69
5	64QAM	1	12	21.53	21.66	21.62
5	64QAM	1	24	21.64	21.42	21.58
5	64QAM	12	0	21.80	21.53	21.66
5	64QAM	12	7	21.82	21.54	21.55
5	64QAM	12	13	21.56	21.74	21.55
5	64QAM	25	0	21.66	21.76	21.64



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	23.47	23.80	23.40
20	QPSK	1	49	23.55	23.51	23.39
20	QPSK	1	99	23.38	23.40	23.29
20	QPSK	50	0	22.55	22.61	22.42
20	QPSK	50	24	22.58	22.55	22.59
20	QPSK	50	50	22.42	22.59	22.59
20	QPSK	100	0	22.54	22.49	22.63
20	16QAM	1	0	22.47	22.95	22.59
20	16QAM	1	49	22.45	22.55	22.49
20	16QAM	1	99	22.50	22.57	22.52
20	16QAM	50	0	22.62	22.44	22.55
20	16QAM	50	24	22.34	22.62	22.57
20	16QAM	50	50	22.42	22.14	22.65
20	16QAM	100	0	22.24	22.58	22.56
20	64QAM	1	0	22.45	22.88	22.42
20	64QAM	1	49	22.34	22.24	22.54
20	64QAM	1	99	22.75	22.55	22.64
20	64QAM	50	0	21.56	21.38	21.35
20	64QAM	50	24	21.60	21.48	21.61
20	64QAM	50	50	21.48	21.48	21.52
20	64QAM	100	0	21.63	21.55	21.55



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	23.43	23.49	23.47
15	QPSK	1	37	23.54	23.56	23.33
15	QPSK	1	74	23.46	23.42	23.51
15	QPSK	36	0	22.51	22.40	22.47
15	QPSK	36	20	22.66	22.54	22.55
15	QPSK	36	39	22.58	22.46	22.62
15	QPSK	75	0	22.53	22.52	22.61
15	16QAM	1	0	22.80	22.70	22.89
15	16QAM	1	37	22.78	22.84	22.54
15	16QAM	1	74	22.90	22.56	22.58
15	16QAM	36	0	22.45	22.35	22.45
15	16QAM	36	20	22.25	22.42	22.34
15	16QAM	36	39	22.16	22.25	22.21
15	16QAM	75	0	22.34	22.45	22.24
15	64QAM	1	0	22.28	22.34	22.45
15	64QAM	1	37	22.33	22.52	22.34
15	64QAM	1	74	22.15	22.35	22.36
15	64QAM	36	0	21.48	21.44	21.57
15	64QAM	36	20	21.64	21.57	21.60
15	64QAM	36	39	21.50	21.61	21.52
15	64QAM	75	0	21.59	21.50	21.53



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	23.75	23.58	23.61
10	QPSK	1	25	23.68	23.57	23.65
10	QPSK	1	49	23.65	23.33	23.50
10	QPSK	25	0	22.78	22.59	22.58
10	QPSK	25	12	22.78	22.74	22.72
10	QPSK	25	25	22.70	22.70	22.64
10	QPSK	50	0	22.71	22.72	22.56
10	16QAM	1	0	22.56	22.65	22.60
10	16QAM	1	25	22.91	22.61	22.81
10	16QAM	1	49	22.89	22.85	22.53
10	16QAM	25	0	22.15	22.27	22.24
10	16QAM	25	12	22.35	22.28	22.37
10	16QAM	25	25	22.27	22.38	22.42
10	16QAM	50	0	22.34	22.34	22.34
10	64QAM	1	0	22.36	22.15	22.27
10	64QAM	1	25	22.29	22.34	22.42
10	64QAM	1	49	22.21	22.34	22.35
10	64QAM	25	0	21.77	21.71	21.66
10	64QAM	25	12	21.74	21.73	21.63
10	64QAM	25	25	21.67	21.71	21.58
10	64QAM	50	0	21.69	21.71	21.71



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	23.70	23.67	23.67
5	QPSK	1	12	23.62	23.63	23.64
5	QPSK	1	24	23.70	23.61	23.58
5	QPSK	12	0	22.79	22.75	22.74
5	QPSK	12	7	22.69	22.73	22.81
5	QPSK	12	13	22.72	22.74	22.76
5	QPSK	25	0	22.75	22.68	22.67
5	16QAM	1	0	22.99	22.91	22.85
5	16QAM	1	12	22.72	22.74	22.88
5	16QAM	1	24	23.01	22.90	22.65
5	16QAM	12	0	22.26	22.44	22.34
5	16QAM	12	7	22.34	22.16	22.16
5	16QAM	12	13	22.42	22.37	22.34
5	16QAM	25	0	22.34	22.39	22.24
5	64QAM	1	0	22.24	22.24	22.47
5	64QAM	1	12	22.16	22.19	22.34
5	64QAM	1	24	22.22	22.38	22.19
5	64QAM	12	0	21.74	21.71	21.73
5	64QAM	12	7	21.69	21.76	21.73
5	64QAM	12	13	21.60	21.56	21.79
5	64QAM	25	0	21.71	21.71	21.69



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	23.59	23.55	23.65
3	QPSK	1	8	23.64	23.54	23.62
3	QPSK	1	14	23.57	23.50	23.63
3	QPSK	8	0	22.68	22.69	22.71
3	QPSK	8	4	22.74	22.71	22.74
3	QPSK	8	7	22.70	22.71	22.66
3	QPSK	15	0	22.71	22.71	22.73
3	16QAM	1	0	22.87	22.64	22.89
3	16QAM	1	8	22.62	23.12	22.93
3	16QAM	1	14	22.94	23.06	22.83
3	16QAM	8	0	22.16	22.16	22.25
3	16QAM	8	4	22.47	22.34	22.37
3	16QAM	8	7	22.35	22.54	22.37
3	16QAM	15	0	22.34	22.34	22.34
3	64QAM	1	0	22.26	22.31	22.26
3	64QAM	1	8	22.54	22.14	22.21
3	64QAM	1	14	22.34	22.19	22.23
3	64QAM	8	0	21.73	21.68	21.63
3	64QAM	8	4	21.69	21.80	21.72
3	64QAM	8	7	21.74	21.73	21.76
3	64QAM	15	0	21.76	21.69	21.72



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	23.63	23.57	23.53
1.4	QPSK	1	3	23.64	23.60	23.68
1.4	QPSK	1	5	23.60	23.55	23.58
1.4	QPSK	3	0	23.57	23.62	23.57
1.4	QPSK	3	1	23.60	23.56	23.69
1.4	QPSK	3	3	23.60	23.51	23.57
1.4	QPSK	6	0	22.62	22.67	22.67
1.4	16QAM	1	0	22.83	23.07	23.03
1.4	16QAM	1	3	22.79	22.89	23.00
1.4	16QAM	1	5	22.72	22.68	23.01
1.4	16QAM	3	0	22.63	22.69	22.54
1.4	16QAM	3	1	22.78	22.81	22.65
1.4	16QAM	3	3	22.73	22.75	22.54
1.4	16QAM	6	0	22.45	22.61	22.53
1.4	64QAM	1	0	22.16	22.42	22.55
1.4	64QAM	1	3	22.26	22.31	22.24
1.4	64QAM	1	5	22.38	22.25	22.32
1.4	64QAM	3	0	22.25	22.42	22.69
1.4	64QAM	3	1	22.25	22.59	22.71
1.4	64QAM	3	3	22.11	22.61	22.49
1.4	64QAM	6	0	21.62	21.64	21.70



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	23.59	23.85	23.44
15	QPSK	1	37	23.04	23.30	23.51
15	QPSK	1	74	23.28	23.54	23.46
15	QPSK	36	0	22.46	22.72	22.62
15	QPSK	36	20	22.25	22.51	22.64
15	QPSK	36	39	22.41	22.67	22.60
15	QPSK	75	0	22.38	22.64	22.61
15	16QAM	1	0	22.40	22.66	22.59
15	16QAM	1	37	22.58	22.84	22.60
15	16QAM	1	74	22.45	22.71	22.78
15	16QAM	36	0	22.36	22.62	22.56
15	16QAM	36	20	22.31	22.57	22.53
15	16QAM	36	39	22.42	22.68	22.62
15	16QAM	75	0	22.34	22.60	22.56
15	64QAM	1	0	22.35	22.61	22.55
15	64QAM	1	37	22.36	22.62	22.60
15	64QAM	1	74	22.49	22.75	22.46
15	64QAM	36	0	21.27	21.53	21.68
15	64QAM	36	20	21.30	21.56	21.57
15	64QAM	36	39	21.41	21.67	21.50
15	64QAM	75	0	21.35	21.61	21.68



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	23.29	23.29	23.55
10	QPSK	1	25	23.57	23.57	23.83
10	QPSK	1	49	23.19	23.19	23.45
10	QPSK	25	0	22.49	22.49	22.75
10	QPSK	25	12	22.39	22.39	22.65
10	QPSK	25	25	22.48	22.48	22.74
10	QPSK	50	0	22.27	22.27	22.53
10	16QAM	1	0	22.60	22.60	22.86
10	16QAM	1	25	22.52	22.52	22.78
10	16QAM	1	49	22.57	22.57	22.83
10	16QAM	25	0	22.35	22.35	22.61
10	16QAM	25	12	22.28	22.28	22.54
10	16QAM	25	25	22.38	22.38	22.64
10	16QAM	50	0	22.49	22.49	22.75
10	64QAM	1	0	22.39	22.39	22.65
10	64QAM	1	25	22.25	22.25	22.51
10	64QAM	1	49	22.32	22.32	22.58
10	64QAM	25	0	21.38	21.38	21.64
10	64QAM	25	12	21.46	21.46	21.72
10	64QAM	25	25	21.48	21.48	21.74
10	64QAM	50	0	21.32	21.32	21.58



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	23.37	23.40	23.66
5	QPSK	1	12	23.25	23.32	23.58
5	QPSK	1	24	23.27	23.32	23.58
5	QPSK	12	0	22.37	22.40	22.66
5	QPSK	12	7	22.43	22.46	22.72
5	QPSK	12	13	22.40	22.40	22.66
5	QPSK	25	0	22.36	22.40	22.66
5	16QAM	1	0	22.28	22.28	22.54
5	16QAM	1	12	22.38	22.38	22.64
5	16QAM	1	24	22.71	22.71	22.97
5	16QAM	12	0	22.48	22.48	22.74
5	16QAM	12	7	22.55	22.55	22.81
5	16QAM	12	13	22.39	22.39	22.65
5	16QAM	25	0	22.45	22.45	22.71
5	64QAM	1	0	22.62	22.63	22.89
5	64QAM	1	12	22.45	22.45	22.71
5	64QAM	1	24	22.59	22.60	22.86
5	64QAM	12	0	21.49	21.49	21.75
5	64QAM	12	7	21.35	21.38	21.64
5	64QAM	12	13	21.38	21.38	21.64
5	64QAM	25	0	21.36	21.40	21.66



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	23.31	23.33	23.59
3	QPSK	1	8	23.35	23.36	23.62
3	QPSK	1	14	23.25	23.26	23.52
3	QPSK	8	0	22.36	22.41	22.67
3	QPSK	8	4	22.36	22.36	22.62
3	QPSK	8	7	22.32	22.32	22.58
3	QPSK	15	0	22.39	22.39	22.65
3	16QAM	1	0	22.30	22.30	22.56
3	16QAM	1	8	22.29	22.31	22.57
3	16QAM	1	14	22.36	22.36	22.62
3	16QAM	8	0	22.48	22.48	22.74
3	16QAM	8	4	22.52	22.52	22.78
3	16QAM	8	7	22.48	22.48	22.74
3	16QAM	15	0	22.38	22.38	22.64
3	64QAM	1	0	22.29	22.32	22.58
3	64QAM	1	8	22.60	22.60	22.86
3	64QAM	1	14	22.46	22.49	22.75
3	64QAM	8	0	21.30	21.33	21.59
3	64QAM	8	4	21.45	21.45	21.71
3	64QAM	8	7	21.41	21.43	21.69
3	64QAM	15	0	21.33	21.35	21.61



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				26797	26915	27033
Frequency (MHz)				824.7	836.5	848.3
1.4	QPSK	1	0	23.31	23.27	23.53
1.4	QPSK	1	3	23.25	23.23	23.49
1.4	QPSK	1	5	23.15	23.15	23.41
1.4	QPSK	3	0	23.15	23.15	23.41
1.4	QPSK	3	1	23.20	23.20	23.46
1.4	QPSK	3	3	23.16	23.16	23.42
1.4	QPSK	6	0	22.35	22.35	22.61
1.4	16QAM	1	0	22.33	22.33	22.59
1.4	16QAM	1	3	22.36	22.39	22.65
1.4	16QAM	1	5	22.26	22.33	22.59
1.4	16QAM	3	0	22.19	22.19	22.45
1.4	16QAM	3	1	22.20	22.20	22.46
1.4	16QAM	3	3	22.07	22.11	22.37
1.4	16QAM	6	0	22.43	22.43	22.69
1.4	64QAM	1	0	22.29	22.29	22.55
1.4	64QAM	1	3	22.23	22.23	22.49
1.4	64QAM	1	5	22.23	22.23	22.49
1.4	64QAM	3	0	22.29	22.34	22.60
1.4	64QAM	3	1	22.17	22.17	22.43
1.4	64QAM	3	3	22.15	22.13	22.39
1.4	64QAM	6	0	21.23	21.25	21.51



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	26.67	27.22	27.01
20	QPSK	1	49	26.69	26.73	26.91
20	QPSK	1	99	26.82	26.82	26.99
20	QPSK	50	0	26.11	26.42	26.27
20	QPSK	50	24	26.06	26.11	26.17
20	QPSK	50	50	26.12	26.12	26.14
20	QPSK	100	0	26.09	26.12	26.24
20	16QAM	1	0	26.21	26.32	26.44
20	16QAM	1	49	26.12	26.11	26.24
20	16QAM	1	99	26.11	26.12	26.33
20	16QAM	50	0	25.58	25.50	25.67
20	16QAM	50	24	25.67	25.71	25.77
20	16QAM	50	50	25.83	25.78	25.67
20	16QAM	100	0	25.44	25.73	25.49
20	64QAM	1	0	25.68	25.60	25.72
20	64QAM	1	49	25.71	25.67	25.19
20	64QAM	1	99	25.92	25.68	25.94
20	64QAM	50	0	25.41	25.72	25.71
20	64QAM	50	24	25.56	25.93	25.39
20	64QAM	50	50	25.16	25.71	25.39
20	64QAM	100	0	25.37	25.56	25.47



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	26.62	27.10	26.96
15	QPSK	1	37	26.64	26.68	26.86
15	QPSK	1	74	26.77	26.77	26.94
15	QPSK	36	0	26.01	26.32	26.17
15	QPSK	36	20	25.96	26.01	26.07
15	QPSK	36	39	26.02	26.02	26.04
15	QPSK	75	0	25.99	26.02	26.14
15	16QAM	1	0	26.11	26.22	26.11
15	16QAM	1	37	26.02	26.01	26.14
15	16QAM	1	74	26.01	26.02	26.23
15	16QAM	36	0	25.54	25.46	25.63
15	16QAM	36	20	25.63	25.67	25.73
15	16QAM	36	39	25.79	25.74	25.63
15	16QAM	75	0	25.62	25.69	25.45
15	64QAM	1	0	25.64	25.56	25.68
15	64QAM	1	37	25.67	25.63	25.15
15	64QAM	1	74	25.88	25.64	25.63
15	64QAM	36	0	25.37	25.68	25.67
15	64QAM	36	20	25.52	25.89	25.35
15	64QAM	36	39	25.12	25.67	25.35
15	64QAM	75	0	25.33	25.52	25.43



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	26.64	27.09	26.98
10	QPSK	1	25	26.66	26.70	26.88
10	QPSK	1	49	26.79	26.79	26.96
10	QPSK	25	0	26.05	26.22	26.21
10	QPSK	25	12	26.00	26.05	26.11
10	QPSK	25	25	26.06	26.06	26.08
10	QPSK	50	0	26.03	26.06	26.18
10	16QAM	1	0	26.15	26.26	26.22
10	16QAM	1	25	26.06	26.05	26.18
10	16QAM	1	49	26.05	26.06	26.27
10	16QAM	25	0	25.47	25.39	25.56
10	16QAM	25	12	25.56	25.60	25.66
10	16QAM	25	25	25.72	25.67	25.56
10	16QAM	50	0	25.55	25.62	25.38
10	64QAM	1	0	25.57	25.49	25.61
10	64QAM	1	25	25.60	25.56	25.08
10	64QAM	1	49	25.81	25.57	25.56
10	64QAM	25	0	25.30	25.61	25.60
10	64QAM	25	12	25.45	25.82	25.28
10	64QAM	25	25	25.05	25.60	25.28
10	64QAM	50	0	25.26	25.45	25.36



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	26.52	27.07	26.86
5	QPSK	1	12	26.54	26.58	26.76
5	QPSK	1	24	26.67	26.67	26.84
5	QPSK	12	0	26.10	26.11	26.26
5	QPSK	12	7	26.05	26.10	26.16
5	QPSK	12	13	26.11	26.11	26.13
5	QPSK	25	0	26.08	26.11	26.23
5	16QAM	1	0	26.20	26.31	26.31
5	16QAM	1	12	26.11	26.10	26.23
5	16QAM	1	24	26.10	26.11	26.32
5	16QAM	12	0	25.45	25.37	25.54
5	16QAM	12	7	25.54	25.58	25.64
5	16QAM	12	13	25.70	25.65	25.54
5	16QAM	25	0	25.53	25.60	25.36
5	64QAM	1	0	25.55	25.47	25.59
5	64QAM	1	12	25.58	25.54	25.06
5	64QAM	1	24	25.79	25.55	25.54
5	64QAM	12	0	25.28	25.59	25.58
5	64QAM	12	7	25.43	25.80	25.26
5	64QAM	12	13	25.03	25.58	25.26
5	64QAM	25	0	25.24	25.43	25.34



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	20.01	20.12	20.09
20	QPSK	1	49	20.09	20.02	20.06
20	QPSK	1	99	19.88	19.99	20.05
20	QPSK	50	0	19.02	19.15	19.07
20	QPSK	50	24	19.12	19.11	19.07
20	QPSK	50	50	19.04	19.05	19.13
20	QPSK	100	0	19.04	19.01	19.07
20	16QAM	1	0	19.25	19.24	19.41
20	16QAM	1	49	19.39	19.05	19.06
20	16QAM	1	99	19.00	19.04	19.19
20	16QAM	50	0	19.14	19.09	19.19
20	16QAM	50	24	19.09	19.04	19.12
20	16QAM	50	50	19.20	19.24	19.24
20	16QAM	100	0	19.15	19.14	19.22
20	64QAM	1	0	19.37	19.43	19.00
20	64QAM	1	49	19.24	19.27	19.15
20	64QAM	1	99	19.13	18.98	18.96
20	64QAM	50	0	18.06	18.04	18.00
20	64QAM	50	24	18.07	18.08	18.04
20	64QAM	50	50	18.26	18.11	18.13
20	64QAM	100	0	18.12	18.01	18.08



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	19.94	20.06	19.92
15	QPSK	1	37	20.08	20.11	19.97
15	QPSK	1	74	20.03	19.87	20.05
15	QPSK	36	0	19.01	19.00	19.06
15	QPSK	36	20	19.11	19.10	19.06
15	QPSK	36	39	19.22	19.14	19.12
15	QPSK	75	0	19.03	19.00	19.06
15	16QAM	1	0	19.27	19.26	19.43
15	16QAM	1	37	19.41	19.07	19.08
15	16QAM	1	74	19.02	19.06	19.21
15	16QAM	36	0	19.16	19.01	19.01
15	16QAM	36	20	19.11	19.06	19.02
15	16QAM	36	39	19.22	19.05	19.23
15	16QAM	75	0	19.18	19.15	19.00
15	64QAM	1	0	19.34	19.44	19.01
15	64QAM	1	37	19.25	19.28	19.16
15	64QAM	1	74	19.14	18.99	18.97
15	64QAM	36	0	18.07	18.05	18.01
15	64QAM	36	20	18.08	18.09	18.05
15	64QAM	36	39	18.27	18.12	18.14
15	64QAM	75	0	18.13	18.02	18.09



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	19.90	20.02	19.88
10	QPSK	1	25	20.04	20.07	19.93
10	QPSK	1	49	19.99	19.83	20.01
10	QPSK	25	0	18.97	18.96	19.02
10	QPSK	25	12	19.07	19.06	19.02
10	QPSK	25	25	19.18	19.10	19.08
10	QPSK	50	0	18.99	18.96	19.02
10	16QAM	1	0	19.23	19.22	19.39
10	16QAM	1	25	19.37	19.03	19.04
10	16QAM	1	49	18.98	19.02	19.17
10	16QAM	25	0	19.12	19.17	19.07
10	16QAM	25	12	19.08	19.14	19.18
10	16QAM	25	25	19.18	19.11	19.16
10	16QAM	50	0	19.14	19.11	19.14
10	64QAM	1	0	19.34	19.40	19.01
10	64QAM	1	25	19.21	19.24	19.12
10	64QAM	1	49	19.10	18.95	18.93
10	64QAM	25	0	18.03	18.01	17.97
10	64QAM	25	12	18.04	18.05	18.01
10	64QAM	25	25	18.23	18.08	18.10
10	64QAM	50	0	18.09	17.98	18.05



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	19.92	20.04	19.90
5	QPSK	1	12	20.06	20.09	19.95
5	QPSK	1	24	20.01	19.85	20.03
5	QPSK	12	0	18.99	18.98	19.04
5	QPSK	12	7	19.09	19.08	19.04
5	QPSK	12	13	19.20	19.12	19.10
5	QPSK	25	0	19.01	18.98	19.04
5	16QAM	1	0	19.25	19.24	19.41
5	16QAM	1	12	19.39	19.05	19.06
5	16QAM	1	24	19.00	19.04	19.19
5	16QAM	12	0	19.14	19.14	19.09
5	16QAM	12	7	19.05	19.14	19.22
5	16QAM	12	13	19.20	19.24	19.12
5	16QAM	25	0	19.16	19.14	19.08
5	64QAM	1	0	19.36	19.42	19.06
5	64QAM	1	12	19.23	19.26	19.14
5	64QAM	1	24	19.12	18.97	18.95
5	64QAM	12	0	18.05	18.03	17.99
5	64QAM	12	7	18.06	18.07	18.03
5	64QAM	12	13	18.25	18.10	18.12
5	64QAM	25	0	18.11	18.00	18.07



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	19.93	20.05	19.91
3	QPSK	1	8	20.07	20.10	19.96
3	QPSK	1	14	20.02	19.86	20.04
3	QPSK	8	0	19.00	18.99	19.05
3	QPSK	8	4	19.10	19.09	19.05
3	QPSK	8	7	19.21	19.13	19.11
3	QPSK	15	0	19.02	18.99	19.05
3	16QAM	1	0	19.26	19.25	19.42
3	16QAM	1	8	19.40	19.06	19.07
3	16QAM	1	14	19.01	19.05	19.20
3	16QAM	8	0	19.15	19.14	19.12
3	16QAM	8	4	19.16	19.05	19.05
3	16QAM	8	7	19.21	19.05	19.14
3	16QAM	15	0	19.17	19.14	19.17
3	64QAM	1	0	19.37	19.43	19.00
3	64QAM	1	8	19.24	19.27	19.15
3	64QAM	1	14	19.13	18.98	18.96
3	64QAM	8	0	18.06	18.04	18.00
3	64QAM	8	4	18.07	18.08	18.04
3	64QAM	8	7	18.26	18.11	18.13
3	64QAM	15	0	18.12	18.01	18.08



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	19.95	20.07	19.93
1.4	QPSK	1	3	20.09	20.02	19.98
1.4	QPSK	1	5	20.04	19.88	20.06
1.4	QPSK	3	0	19.02	19.01	19.07
1.4	QPSK	3	1	19.12	19.11	19.07
1.4	QPSK	3	3	19.23	19.15	19.13
1.4	QPSK	6	0	19.04	19.01	19.07
1.4	16QAM	1	0	19.28	19.27	19.44
1.4	16QAM	1	3	19.42	19.08	19.09
1.4	16QAM	1	5	19.03	19.07	19.22
1.4	16QAM	3	0	19.17	19.12	19.22
1.4	16QAM	3	1	19.12	19.17	19.23
1.4	16QAM	3	3	19.23	19.27	19.11
1.4	16QAM	6	0	19.19	19.16	19.01
1.4	64QAM	1	0	19.39	19.45	19.02
1.4	64QAM	1	3	19.26	19.29	19.17
1.4	64QAM	1	5	19.15	19.00	18.98
1.4	64QAM	3	0	19.08	19.52	19.02
1.4	64QAM	3	1	19.09	19.04	19.06
1.4	64QAM	3	3	19.12	19.12	19.02
1.4	64QAM	6	0	18.25	18.14	18.42



LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133222	133322	133372
Frequency (MHz)				673	683	688
20	QPSK	1	0	23.64	23.70	23.66
20	QPSK	1	49	23.39	23.54	23.20
20	QPSK	1	99	23.35	23.44	23.33
20	QPSK	50	0	22.53	22.74	22.65
20	QPSK	50	24	22.69	22.57	22.53
20	QPSK	50	50	22.54	22.61	22.62
20	QPSK	100	0	22.52	22.56	22.45
20	16QAM	1	0	22.64	22.56	22.35
20	16QAM	1	49	22.87	22.53	22.52
20	16QAM	1	99	22.41	22.67	22.62
20	16QAM	50	0	22.44	22.45	22.45
20	16QAM	50	24	22.42	22.21	22.44
20	16QAM	50	50	22.26	22.43	22.43
20	16QAM	100	0	22.34	22.27	22.41
20	64QAM	1	0	22.73	22.61	22.52
20	64QAM	1	49	22.84	22.67	22.52
20	64QAM	1	99	22.76	22.34	22.67
20	64QAM	50	0	21.53	21.70	21.42
20	64QAM	50	24	21.48	21.66	21.42
20	64QAM	50	50	21.35	21.67	21.33
20	64QAM	100	0	21.56	21.62	21.43



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	23.61	23.57	23.67
15	QPSK	1	37	23.36	23.51	23.17
15	QPSK	1	74	23.32	23.41	23.30
15	QPSK	36	0	22.40	22.58	22.40
15	QPSK	36	20	22.46	22.54	22.27
15	QPSK	36	39	22.39	22.58	22.40
15	QPSK	75	0	22.49	22.53	22.44
15	16QAM	1	0	22.99	22.56	23.01
15	16QAM	1	37	22.77	22.81	22.82
15	16QAM	1	74	22.53	22.36	22.85
15	16QAM	36	0	22.42	22.24	22.42
15	16QAM	36	20	22.42	22.45	22.24
15	16QAM	36	39	22.15	22.36	22.21
15	16QAM	75	0	22.44	22.42	22.38
15	64QAM	1	0	22.25	22.36	22.25
15	64QAM	1	37	22.18	22.45	22.41
15	64QAM	1	74	22.37	22.14	22.34
15	64QAM	36	0	21.50	21.67	21.39
15	64QAM	36	20	21.45	21.63	21.39
15	64QAM	36	39	21.32	21.64	21.30
15	64QAM	75	0	21.53	21.59	21.40



LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133172	133272	133422
Frequency (MHz)				668	678	693
10	QPSK	1	0	23.59	23.55	23.65
10	QPSK	1	25	23.34	23.49	23.15
10	QPSK	1	49	23.30	23.39	23.28
10	QPSK	25	0	22.38	22.56	22.38
10	QPSK	25	12	22.44	22.52	22.25
10	QPSK	25	25	22.37	22.56	22.38
10	QPSK	50	0	22.47	21.51	22.42
10	16QAM	1	0	22.97	23.12	22.99
10	16QAM	1	25	22.75	22.97	22.80
10	16QAM	1	49	22.98	22.95	22.83
10	16QAM	25	0	21.47	21.66	21.40
10	16QAM	25	12	21.40	21.66	21.39
10	16QAM	25	25	21.49	21.61	21.38
10	16QAM	50	0	21.42	21.67	21.36
10	64QAM	1	0	22.68	21.56	22.86
10	64QAM	1	25	22.79	22.62	22.47
10	64QAM	1	49	22.71	23.02	22.62
10	64QAM	25	0	21.48	21.65	21.37
10	64QAM	25	12	21.43	21.61	21.37
10	64QAM	25	25	21.30	21.62	21.28
10	64QAM	50	0	21.51	21.57	21.38



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	133297	133447
Frequency (MHz)				665.5	680.5	695.5
5	QPSK	1	0	23.56	23.52	23.62
5	QPSK	1	12	23.31	23.46	23.12
5	QPSK	1	24	23.27	23.36	23.25
5	QPSK	12	0	22.35	22.53	22.35
5	QPSK	12	7	22.41	22.49	22.22
5	QPSK	12	13	22.34	22.53	22.35
5	QPSK	25	0	22.44	21.48	22.39
5	16QAM	1	0	22.94	23.09	22.96
5	16QAM	1	12	22.72	22.94	22.77
5	16QAM	1	24	22.95	22.92	22.80
5	16QAM	12	0	22.44	22.36	22.37
5	16QAM	12	7	22.37	22.31	22.36
5	16QAM	12	13	22.46	22.42	22.21
5	16QAM	25	0	22.39	22.21	22.42
5	64QAM	1	0	22.40	22.35	22.21
5	64QAM	1	12	22.10	22.59	22.38
5	64QAM	1	24	22.18	22.28	22.59
5	64QAM	12	0	21.45	21.62	21.34
5	64QAM	12	7	21.40	21.58	21.34
5	64QAM	12	13	21.27	21.59	21.25
5	64QAM	25	0	21.48	21.54	21.35



Effective Radiated Power and Effective Isotropic Radiated Power

Top Antenna

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	21.62	0.145	21.67	0.147	21.65	0.146
20	QPSK	1	49	21.25	0.133	21.54	0.143	21.45	0.140
20	QPSK	1	99	21.55	0.143	21.42	0.139	21.31	0.135
20	QPSK	50	0	20.16	0.104	20.46	0.111	19.96	0.099
20	QPSK	50	24	20.29	0.107	20.24	0.106	20.01	0.100
20	QPSK	50	50	19.98	0.100	20.46	0.111	20.24	0.106
20	QPSK	100	0	20.22	0.105	20.01	0.100	20.27	0.106
20	16QAM	1	0	19.86	0.097	19.98	0.100	20.14	0.103
20	16QAM	1	49	20.37	0.109	20.16	0.104	20.13	0.103
20	16QAM	1	99	19.79	0.095	19.91	0.098	20.35	0.108
20	16QAM	50	0	19.65	0.092	20.17	0.104	20.14	0.103
20	16QAM	50	24	20.22	0.105	20.37	0.109	20.14	0.103
20	16QAM	50	50	20.14	0.103	20.44	0.111	20.54	0.113
20	16QAM	100	0	20.16	0.104	20.22	0.105	20.23	0.105
20	64QAM	1	0	20.05	0.101	20.02	0.100	20.33	0.108
20	64QAM	1	49	19.94	0.099	19.96	0.099	20.06	0.101
20	64QAM	1	99	19.96	0.099	19.97	0.099	19.90	0.098
20	64QAM	50	0	20.16	0.104	20.12	0.103	20.22	0.105
20	64QAM	50	24	20.31	0.107	20.33	0.108	20.16	0.104
20	64QAM	50	50	20.02	0.100	20.25	0.106	20.06	0.101
20	64QAM	100	0	20.26	0.106	20.27	0.106	19.98	0.100



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	21.52	0.142	21.22	0.132	21.14	0.130
15	QPSK	1	37	21.41	0.138	21.35	0.136	21.05	0.127
15	QPSK	1	74	21.24	0.133	21.28	0.134	20.89	0.123
15	QPSK	36	0	20.59	0.115	20.13	0.103	20.25	0.106
15	QPSK	36	20	20.25	0.106	20.37	0.109	20.27	0.106
15	QPSK	36	39	20.34	0.108	20.07	0.102	20.47	0.111
15	QPSK	75	0	20.41	0.110	19.81	0.096	20.25	0.106
15	16QAM	1	0	20.16	0.104	19.96	0.099	19.78	0.095
15	16QAM	1	37	20.14	0.103	20.18	0.104	20.17	0.104
15	16QAM	1	74	20.31	0.107	20.06	0.101	19.89	0.097
15	16QAM	36	0	20.25	0.106	20.41	0.110	20.09	0.102
15	16QAM	36	20	20.16	0.104	20.54	0.113	20.47	0.111
15	16QAM	36	39	20.42	0.110	20.24	0.106	20.41	0.110
15	16QAM	75	0	20.24	0.106	19.95	0.099	20.36	0.109
15	64QAM	1	0	19.95	0.099	20.08	0.102	19.89	0.097
15	64QAM	1	37	20.24	0.106	20.46	0.111	19.73	0.094
15	64QAM	1	74	20.29	0.107	20.06	0.101	19.97	0.099
15	64QAM	36	0	20.22	0.105	20.22	0.105	20.16	0.104
15	64QAM	36	20	20.32	0.108	20.16	0.104	20.08	0.102
15	64QAM	36	39	20.22	0.105	20.24	0.106	20.14	0.103
15	64QAM	75	0	20.42	0.110	20.31	0.107	20.24	0.106



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	21.59	0.144	21.44	0.139	21.26	0.134
10	QPSK	1	25	21.62	0.145	21.21	0.132	21.47	0.140
10	QPSK	1	49	21.61	0.145	21.42	0.139	21.24	0.133
10	QPSK	25	0	20.41	0.110	20.16	0.104	20.21	0.105
10	QPSK	25	12	20.22	0.105	20.21	0.105	20.37	0.109
10	QPSK	25	25	20.13	0.103	20.18	0.104	20.24	0.106
10	QPSK	50	0	20.27	0.106	20.13	0.103	20.51	0.112
10	16QAM	1	0	20.32	0.108	20.15	0.104	20.25	0.106
10	16QAM	1	25	20.34	0.108	20.31	0.107	19.85	0.097
10	16QAM	1	49	20.20	0.105	20.15	0.104	19.87	0.097
10	16QAM	25	0	19.69	0.093	20.16	0.104	20.05	0.101
10	16QAM	25	12	19.85	0.097	20.37	0.109	20.20	0.105
10	16QAM	25	25	19.89	0.097	20.46	0.111	20.16	0.104
10	16QAM	50	0	20.05	0.101	20.25	0.106	19.95	0.099
10	64QAM	1	0	20.23	0.105	20.36	0.109	20.24	0.106
10	64QAM	1	25	20.14	0.103	20.30	0.107	19.77	0.095
10	64QAM	1	49	19.87	0.097	19.96	0.099	19.93	0.098
10	64QAM	25	0	20.14	0.103	20.08	0.102	20.15	0.104
10	64QAM	25	12	20.20	0.105	20.27	0.106	19.95	0.099
10	64QAM	25	25	20.05	0.101	20.15	0.104	20.06	0.101
10	64QAM	50	0	20.13	0.103	20.22	0.105	19.98	0.100



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	21.49	0.141	20.98	0.125	21.53	0.142
5	QPSK	1	12	21.59	0.144	21.21	0.132	21.24	0.133
5	QPSK	1	24	21.66	0.147	21.23	0.133	21.11	0.129
5	QPSK	12	0	20.15	0.104	20.14	0.103	20.14	0.103
5	QPSK	12	7	20.22	0.105	20.27	0.106	20.11	0.103
5	QPSK	12	13	20.14	0.103	20.33	0.108	20.17	0.104
5	QPSK	25	0	20.22	0.105	20.20	0.105	20.26	0.106
5	16QAM	1	0	20.17	0.104	20.08	0.102	20.23	0.105
5	16QAM	1	12	20.19	0.104	20.18	0.104	20.14	0.103
5	16QAM	1	24	20.22	0.105	20.22	0.105	20.05	0.101
5	16QAM	12	0	20.21	0.105	20.24	0.106	20.32	0.108
5	16QAM	12	7	20.16	0.104	20.43	0.110	19.86	0.097
5	16QAM	12	13	19.85	0.097	20.21	0.105	20.32	0.108
5	16QAM	25	0	19.74	0.094	20.34	0.108	20.24	0.106
5	64QAM	1	0	19.86	0.097	20.18	0.104	20.41	0.110
5	64QAM	1	12	20.14	0.103	20.28	0.107	20.22	0.105
5	64QAM	1	24	20.24	0.106	20.37	0.109	20.19	0.104
5	64QAM	12	0	20.11	0.103	20.24	0.106	20.03	0.101
5	64QAM	12	7	20.22	0.105	19.97	0.099	20.19	0.104
5	64QAM	12	13	20.14	0.103	20.28	0.107	20.22	0.105
5	64QAM	25	0	20.26	0.106	20.25	0.106	19.84	0.096



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	21.45	0.140	21.01	0.126	21.54	0.143
3	QPSK	1	8	21.52	0.142	21.09	0.129	21.49	0.141
3	QPSK	1	14	21.53	0.142	21.12	0.129	21.45	0.140
3	QPSK	8	0	20.16	0.104	20.02	0.100	20.49	0.112
3	QPSK	8	4	20.21	0.105	20.21	0.105	20.53	0.113
3	QPSK	8	7	20.13	0.103	20.11	0.103	20.52	0.113
3	QPSK	15	0	20.50	0.112	20.24	0.106	20.22	0.105
3	16QAM	1	0	20.22	0.105	20.19	0.104	19.97	0.099
3	16QAM	1	8	20.17	0.104	20.22	0.105	19.94	0.099
3	16QAM	1	14	20.06	0.101	20.17	0.104	20.15	0.104
3	16QAM	8	0	20.28	0.107	20.16	0.104	20.22	0.105
3	16QAM	8	4	20.35	0.108	20.19	0.104	20.14	0.103
3	16QAM	8	7	20.28	0.107	20.28	0.107	20.22	0.105
3	16QAM	15	0	20.26	0.106	20.28	0.107	20.22	0.105
3	64QAM	1	0	20.35	0.108	20.51	0.112	20.18	0.104
3	64QAM	1	8	20.28	0.107	20.17	0.104	19.81	0.096
3	64QAM	1	14	20.00	0.100	20.09	0.102	19.73	0.094
3	64QAM	8	0	20.22	0.105	20.16	0.104	20.22	0.105
3	64QAM	8	4	20.18	0.104	20.05	0.101	20.14	0.103
3	64QAM	8	7	20.22	0.105	20.22	0.105	20.06	0.101
3	64QAM	15	0	19.85	0.097	20.13	0.103	20.17	0.104



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	21.48	0.141	21.16	0.131	20.94	0.124
1.4	QPSK	1	3	21.48	0.141	21.10	0.129	21.19	0.132
1.4	QPSK	1	5	21.26	0.134	21.16	0.131	20.68	0.117
1.4	QPSK	3	0	20.40	0.110	19.89	0.097	20.32	0.108
1.4	QPSK	3	1	20.03	0.101	20.20	0.105	20.45	0.111
1.4	QPSK	3	3	20.16	0.104	20.41	0.110	20.25	0.106
1.4	QPSK	6	0	19.99	0.100	20.04	0.101	20.44	0.111
1.4	16QAM	1	0	20.55	0.114	20.22	0.105	19.95	0.099
1.4	16QAM	1	3	20.08	0.102	20.21	0.105	20.12	0.103
1.4	16QAM	1	5	19.86	0.097	20.12	0.103	20.24	0.106
1.4	16QAM	3	0	20.39	0.109	19.96	0.099	20.45	0.111
1.4	16QAM	3	1	20.10	0.102	20.35	0.108	20.08	0.102
1.4	16QAM	3	3	20.20	0.105	20.39	0.109	20.22	0.105
1.4	16QAM	6	0	20.03	0.101	20.18	0.104	20.41	0.110
1.4	64QAM	1	0	19.78	0.095	19.94	0.099	20.21	0.105
1.4	64QAM	1	3	19.86	0.097	20.22	0.105	20.22	0.105
1.4	64QAM	1	5	20.22	0.105	20.46	0.111	20.00	0.100
1.4	64QAM	3	0	20.06	0.101	20.09	0.102	20.54	0.113
1.4	64QAM	3	1	20.05	0.101	20.05	0.101	20.08	0.102
1.4	64QAM	3	3	20.04	0.101	20.32	0.108	20.13	0.103
1.4	64QAM	6	0	20.11	0.103	20.22	0.105	20.22	0.105



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	22.05	0.160	22.47	0.177	21.95	0.157
20	QPSK	1	49	22.11	0.163	22.32	0.171	22.34	0.171
20	QPSK	1	99	22.06	0.161	21.90	0.155	22.20	0.166
20	QPSK	50	0	21.15	0.130	21.28	0.134	20.95	0.124
20	QPSK	50	24	21.28	0.134	21.18	0.131	21.23	0.133
20	QPSK	50	50	21.25	0.133	21.21	0.132	21.21	0.132
20	QPSK	100	0	21.21	0.132	21.24	0.133	21.19	0.132
20	16QAM	1	0	20.76	0.119	21.36	0.137	21.24	0.133
20	16QAM	1	49	21.36	0.137	21.55	0.143	20.97	0.125
20	16QAM	1	99	21.22	0.132	21.23	0.133	21.19	0.132
20	16QAM	50	0	20.18	0.104	20.24	0.106	19.97	0.099
20	16QAM	50	24	20.32	0.108	20.23	0.105	20.26	0.106
20	16QAM	50	50	20.31	0.107	20.22	0.105	20.31	0.107
20	16QAM	100	0	20.22	0.105	20.21	0.105	20.32	0.108
20	64QAM	1	0	20.35	0.108	20.21	0.105	20.44	0.111
20	64QAM	1	49	20.45	0.111	20.55	0.114	20.39	0.109
20	64QAM	1	99	20.31	0.107	20.31	0.107	20.55	0.114
20	64QAM	50	0	20.34	0.108	20.23	0.105	20.65	0.116
20	64QAM	50	24	20.21	0.105	20.23	0.105	20.38	0.109
20	64QAM	50	50	20.17	0.104	20.34	0.108	20.44	0.111
20	64QAM	100	0	20.14	0.103	20.24	0.106	20.30	0.107



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20025		20175		20325	
Frequency (MHz)				1717.5		1732.5		1747.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	21.52	0.142	22.14	0.164	21.85	0.153
15	QPSK	1	37	22.11	0.163	21.90	0.155	22.29	0.169
15	QPSK	1	74	22.07	0.161	21.76	0.150	22.21	0.166
15	QPSK	36	0	20.91	0.123	21.15	0.130	21.12	0.129
15	QPSK	36	20	21.10	0.129	21.19	0.132	21.41	0.138
15	QPSK	36	39	21.15	0.130	20.94	0.124	21.28	0.134
15	QPSK	75	0	21.15	0.130	21.18	0.131	21.18	0.131
15	16QAM	1	0	20.62	0.115	21.40	0.138	21.06	0.128
15	16QAM	1	37	21.29	0.135	21.19	0.132	21.13	0.130
15	16QAM	1	74	21.22	0.132	21.27	0.134	21.72	0.149
15	16QAM	36	0	20.35	0.108	20.19	0.104	20.13	0.103
15	16QAM	36	20	20.25	0.106	20.27	0.106	20.35	0.108
15	16QAM	36	39	20.19	0.104	20.26	0.106	20.35	0.108
15	16QAM	75	0	20.20	0.105	20.21	0.105	20.16	0.104
15	64QAM	1	0	20.78	0.120	20.35	0.108	20.32	0.108
15	64QAM	1	37	20.29	0.107	20.35	0.108	20.41	0.110
15	64QAM	1	74	20.21	0.105	20.46	0.111	20.31	0.107
15	64QAM	36	0	20.38	0.109	20.35	0.108	20.34	0.108
15	64QAM	36	20	20.24	0.106	20.44	0.111	20.26	0.106
15	64QAM	36	39	20.22	0.105	20.41	0.110	20.29	0.107
15	64QAM	75	0	20.27	0.106	20.26	0.106	20.19	0.104



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20000		20175		20350	
Frequency (MHz)				1715		1732.5		1750	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	21.50	0.141	22.06	0.161	22.19	0.166
10	QPSK	1	25	21.76	0.150	22.12	0.163	22.26	0.168
10	QPSK	1	49	22.33	0.171	21.88	0.154	22.05	0.160
10	QPSK	25	0	20.63	0.116	21.20	0.132	21.35	0.136
10	QPSK	25	12	20.99	0.126	21.25	0.133	21.45	0.140
10	QPSK	25	25	21.30	0.135	21.02	0.126	21.43	0.139
10	QPSK	50	0	21.02	0.126	21.22	0.132	21.26	0.134
10	16QAM	1	0	20.83	0.121	21.45	0.140	21.63	0.146
10	16QAM	1	25	20.90	0.123	21.53	0.142	21.48	0.141
10	16QAM	1	49	21.58	0.144	21.28	0.134	21.53	0.142
10	16QAM	25	0	20.66	0.116	20.35	0.108	20.33	0.108
10	16QAM	25	12	20.44	0.111	20.28	0.107	20.37	0.109
10	16QAM	25	25	20.33	0.108	20.45	0.111	20.31	0.107
10	16QAM	50	0	20.38	0.109	20.72	0.118	20.30	0.107
10	64QAM	1	0	20.67	0.117	20.61	0.115	20.66	0.116
10	64QAM	1	25	20.72	0.118	20.72	0.118	20.67	0.117
10	64QAM	1	49	20.72	0.118	20.76	0.119	20.65	0.116
10	64QAM	25	0	20.70	0.117	20.31	0.107	20.63	0.116
10	64QAM	25	12	20.74	0.119	20.31	0.107	20.46	0.111
10	64QAM	25	25	20.64	0.116	20.11	0.103	20.32	0.108
10	64QAM	50	0	20.72	0.118	20.25	0.106	20.37	0.109



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19975		20175		20375	
Frequency (MHz)				1712.5		1732.5		1752.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	21.53	0.142	22.22	0.167	22.31	0.170
5	QPSK	1	12	21.50	0.141	22.22	0.167	22.29	0.169
5	QPSK	1	24	21.93	0.156	22.05	0.160	22.34	0.171
5	QPSK	12	0	21.21	0.132	21.31	0.135	21.47	0.140
5	QPSK	12	7	21.12	0.129	21.26	0.134	21.39	0.138
5	QPSK	12	13	21.12	0.129	21.13	0.130	21.37	0.137
5	QPSK	25	0	20.67	0.117	21.24	0.133	21.40	0.138
5	16QAM	1	0	21.20	0.132	21.42	0.139	21.29	0.135
5	16QAM	1	12	21.22	0.132	21.30	0.135	21.56	0.143
5	16QAM	1	24	21.41	0.138	20.90	0.123	21.45	0.140
5	16QAM	12	0	20.56	0.114	20.32	0.108	20.44	0.111
5	16QAM	12	7	20.55	0.114	20.37	0.109	20.50	0.112
5	16QAM	12	13	20.32	0.108	20.18	0.104	20.40	0.110
5	16QAM	25	0	20.44	0.111	20.34	0.108	20.33	0.108
5	64QAM	1	0	20.47	0.111	20.33	0.108	20.48	0.112
5	64QAM	1	12	20.73	0.118	20.23	0.105	20.40	0.110
5	64QAM	1	24	20.43	0.110	20.15	0.104	20.60	0.115
5	64QAM	12	0	20.52	0.113	20.34	0.108	20.40	0.110
5	64QAM	12	7	20.44	0.111	20.32	0.108	20.42	0.110
5	64QAM	12	13	20.45	0.111	20.25	0.106	20.40	0.110
5	64QAM	25	0	20.65	0.116	20.30	0.107	20.41	0.110



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19965		20175		20385	
Frequency (MHz)				1711.5		1732.5		1753.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	21.51	0.142	22.19	0.166	22.17	0.165
3	QPSK	1	8	21.66	0.147	22.14	0.164	22.24	0.167
3	QPSK	1	14	21.69	0.148	21.99	0.158	22.22	0.167
3	QPSK	8	0	21.04	0.127	21.21	0.132	21.44	0.139
3	QPSK	8	4	21.20	0.132	21.29	0.135	21.40	0.138
3	QPSK	8	7	21.22	0.132	21.21	0.132	21.40	0.138
3	QPSK	15	0	21.28	0.134	21.24	0.133	21.37	0.137
3	16QAM	1	0	21.21	0.132	21.46	0.140	21.72	0.149
3	16QAM	1	8	21.28	0.134	21.14	0.130	21.57	0.144
3	16QAM	1	14	21.28	0.134	21.25	0.133	21.49	0.141
3	16QAM	8	0	20.54	0.113	20.30	0.107	20.42	0.110
3	16QAM	8	4	20.65	0.116	20.27	0.106	20.58	0.114
3	16QAM	8	7	20.71	0.118	20.32	0.108	20.28	0.107
3	16QAM	15	0	20.60	0.115	20.23	0.105	20.44	0.111
3	64QAM	1	0	20.71	0.118	20.28	0.107	20.60	0.115
3	64QAM	1	8	21.02	0.126	20.33	0.108	20.50	0.112
3	64QAM	1	14	20.53	0.113	20.36	0.109	20.42	0.110
3	64QAM	8	0	20.70	0.117	20.65	0.116	20.40	0.110
3	64QAM	8	4	20.57	0.114	20.36	0.109	20.37	0.109
3	64QAM	8	7	20.56	0.114	20.38	0.109	20.52	0.113
3	64QAM	15	0	20.56	0.114	20.28	0.107	20.43	0.110



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19957		20175		20393	
Frequency (MHz)				1710.7		1732.5		1754.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	21.95	0.157	22.17	0.165	22.20	0.166
1.4	QPSK	1	3	21.82	0.152	22.10	0.162	22.30	0.170
1.4	QPSK	1	5	21.64	0.146	22.00	0.158	22.23	0.167
1.4	QPSK	3	0	21.70	0.148	22.10	0.162	22.22	0.167
1.4	QPSK	3	1	21.81	0.152	22.09	0.162	22.24	0.167
1.4	QPSK	3	3	21.82	0.152	22.06	0.161	22.23	0.167
1.4	QPSK	6	0	21.25	0.133	21.16	0.131	21.31	0.135
1.4	16QAM	1	0	21.21	0.132	21.31	0.135	21.53	0.142
1.4	16QAM	1	3	21.34	0.136	21.64	0.146	21.70	0.148
1.4	16QAM	1	5	21.22	0.132	21.26	0.134	21.36	0.137
1.4	16QAM	3	0	21.21	0.132	21.05	0.127	21.36	0.137
1.4	16QAM	3	1	21.32	0.136	21.23	0.133	21.40	0.138
1.4	16QAM	3	3	21.20	0.132	21.16	0.131	21.37	0.137
1.4	16QAM	6	0	20.70	0.117	20.35	0.108	20.34	0.108
1.4	64QAM	1	0	20.40	0.110	20.50	0.112	20.26	0.106
1.4	64QAM	1	3	20.57	0.114	20.30	0.107	20.28	0.107
1.4	64QAM	1	5	20.43	0.110	20.32	0.108	20.21	0.105
1.4	64QAM	3	0	20.46	0.111	20.27	0.106	20.32	0.108
1.4	64QAM	3	1	20.63	0.116	20.21	0.105	20.54	0.113
1.4	64QAM	3	3	20.60	0.115	20.27	0.106	20.43	0.110
1.4	64QAM	6	0	20.43	0.110	20.16	0.104	20.30	0.107



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20450		20525		20600	
Frequency (MHz)				829		836.5		844	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	20.19	0.104	20.32	0.108	20.03	0.101
10	QPSK	1	25	20.06	0.101	20.17	0.104	20.19	0.104
10	QPSK	1	49	20.07	0.102	20.00	0.100	19.94	0.099
10	QPSK	25	0	19.05	0.080	19.17	0.083	19.06	0.081
10	QPSK	25	12	19.09	0.081	19.08	0.081	19.04	0.080
10	QPSK	25	25	19.17	0.083	19.04	0.080	19.13	0.082
10	QPSK	50	0	19.13	0.082	19.08	0.081	19.16	0.082
10	16QAM	1	0	19.44	0.088	19.14	0.082	19.53	0.090
10	16QAM	1	25	19.10	0.081	19.08	0.081	19.12	0.082
10	16QAM	1	49	19.39	0.087	19.20	0.083	19.33	0.086
10	16QAM	25	0	18.11	0.065	18.09	0.064	18.16	0.065
10	16QAM	25	12	18.17	0.066	18.10	0.065	18.17	0.066
10	16QAM	25	25	18.13	0.065	18.16	0.065	18.10	0.065
10	16QAM	50	0	18.16	0.065	18.15	0.065	18.07	0.064
10	64QAM	1	0	18.25	0.067	18.46	0.070	18.20	0.066
10	64QAM	1	25	18.16	0.065	18.38	0.069	18.39	0.069
10	64QAM	1	49	18.41	0.069	18.27	0.067	18.07	0.064
10	64QAM	25	0	18.08	0.064	18.06	0.064	18.05	0.064
10	64QAM	25	12	18.18	0.066	18.06	0.064	18.00	0.063
10	64QAM	25	25	18.06	0.064	18.16	0.065	18.05	0.064
10	64QAM	50	0	18.13	0.065	18.14	0.065	18.09	0.064



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20425		20525		20625	
Frequency (MHz)				826.5		836.5		846.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	20.07	0.102	19.92	0.098	19.94	0.099
5	QPSK	1	12	20.11	0.103	19.90	0.098	19.96	0.099
5	QPSK	1	24	20.05	0.101	20.06	0.101	19.82	0.096
5	QPSK	12	0	19.17	0.083	19.11	0.081	19.05	0.080
5	QPSK	12	7	19.10	0.081	19.08	0.081	19.05	0.080
5	QPSK	12	13	19.13	0.082	19.05	0.080	19.06	0.081
5	QPSK	25	0	19.11	0.081	19.16	0.082	19.05	0.080
5	16QAM	1	0	19.21	0.083	19.23	0.084	19.51	0.089
5	16QAM	1	12	19.22	0.084	19.27	0.085	19.15	0.082
5	16QAM	1	24	19.12	0.082	19.06	0.081	19.53	0.090
5	16QAM	12	0	18.05	0.064	17.99	0.063	18.15	0.065
5	16QAM	12	7	18.19	0.066	18.17	0.066	18.09	0.064
5	16QAM	12	13	18.12	0.065	18.17	0.066	18.15	0.065
5	16QAM	25	0	18.19	0.066	18.16	0.065	17.94	0.062
5	64QAM	1	0	18.39	0.069	18.46	0.070	18.19	0.066
5	64QAM	1	12	18.40	0.069	18.36	0.069	18.13	0.065
5	64QAM	1	24	18.27	0.067	18.30	0.068	18.18	0.066
5	64QAM	12	0	18.04	0.064	18.01	0.063	18.02	0.063
5	64QAM	12	7	18.16	0.065	18.09	0.064	18.02	0.063
5	64QAM	12	13	18.07	0.064	18.06	0.064	18.12	0.065
5	64QAM	25	0	18.05	0.064	18.13	0.065	18.07	0.064



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	19.99	0.100	19.90	0.098	19.87	0.097
3	QPSK	1	8	20.06	0.101	19.96	0.099	19.88	0.097
3	QPSK	1	14	19.88	0.097	19.96	0.099	19.92	0.098
3	QPSK	8	0	19.08	0.081	19.02	0.080	19.07	0.081
3	QPSK	8	4	19.07	0.081	19.05	0.080	19.05	0.080
3	QPSK	8	7	19.11	0.081	19.09	0.081	19.06	0.081
3	QPSK	15	0	19.04	0.080	19.08	0.081	18.95	0.079
3	16QAM	1	0	19.25	0.084	19.45	0.088	19.22	0.084
3	16QAM	1	8	19.51	0.089	19.45	0.088	19.18	0.083
3	16QAM	1	14	19.34	0.086	19.37	0.086	19.14	0.082
3	16QAM	8	0	18.10	0.065	18.04	0.064	18.16	0.065
3	16QAM	8	4	18.24	0.067	18.08	0.064	17.94	0.062
3	16QAM	8	7	17.96	0.063	18.09	0.064	18.10	0.065
3	16QAM	15	0	18.11	0.065	18.17	0.066	18.09	0.064
3	64QAM	1	0	18.29	0.067	18.19	0.066	18.19	0.066
3	64QAM	1	8	18.20	0.066	18.09	0.064	18.36	0.069
3	64QAM	1	14	18.20	0.066	18.36	0.069	18.30	0.068
3	64QAM	8	0	18.14	0.065	17.97	0.063	17.92	0.062
3	64QAM	8	4	18.03	0.064	18.31	0.068	17.98	0.063
3	64QAM	8	7	18.20	0.066	18.01	0.063	18.08	0.064
3	64QAM	15	0	18.09	0.064	18.08	0.064	18.01	0.063



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	19.89	0.097	19.90	0.098	19.91	0.098
1.4	QPSK	1	3	19.96	0.099	19.93	0.098	19.91	0.098
1.4	QPSK	1	5	19.83	0.096	19.93	0.098	19.81	0.096
1.4	QPSK	3	0	19.91	0.098	19.91	0.098	19.90	0.098
1.4	QPSK	3	1	19.93	0.098	19.93	0.098	19.87	0.097
1.4	QPSK	3	3	19.86	0.097	19.97	0.099	19.80	0.095
1.4	QPSK	6	0	18.96	0.079	18.97	0.079	18.93	0.078
1.4	16QAM	1	0	19.44	0.088	19.24	0.084	19.19	0.083
1.4	16QAM	1	3	19.55	0.090	19.53	0.090	19.20	0.083
1.4	16QAM	1	5	19.53	0.090	19.33	0.086	19.15	0.082
1.4	16QAM	3	0	18.88	0.077	18.92	0.078	19.03	0.080
1.4	16QAM	3	1	18.93	0.078	19.00	0.079	19.03	0.080
1.4	16QAM	3	3	18.90	0.078	18.91	0.078	18.89	0.077
1.4	16QAM	6	0	18.41	0.069	18.20	0.066	18.13	0.065
1.4	64QAM	1	0	18.50	0.071	18.26	0.067	18.24	0.067
1.4	64QAM	1	3	18.13	0.065	18.50	0.071	18.21	0.066
1.4	64QAM	1	5	18.39	0.069	18.39	0.069	18.09	0.064
1.4	64QAM	3	0	18.20	0.066	18.27	0.067	18.17	0.066
1.4	64QAM	3	1	18.11	0.065	18.11	0.065	18.24	0.067
1.4	64QAM	3	3	18.30	0.068	18.19	0.066	18.19	0.066
1.4	64QAM	6	0	18.21	0.066	18.13	0.065	18.39	0.069



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	20.27	0.106	19.99	0.100	20.04	0.101
10	QPSK	1	25	20.18	0.104	20.17	0.104	20.23	0.105
10	QPSK	1	49	20.17	0.104	20.17	0.104	20.18	0.104
10	QPSK	25	0	19.32	0.086	19.15	0.082	19.19	0.083
10	QPSK	25	12	19.29	0.085	19.20	0.083	19.27	0.085
10	QPSK	25	25	19.12	0.082	19.09	0.081	19.18	0.083
10	QPSK	50	0	19.23	0.084	19.09	0.081	19.31	0.085
10	16QAM	1	0	19.31	0.085	19.20	0.083	19.19	0.083
10	16QAM	1	25	19.06	0.081	19.36	0.086	19.36	0.086
10	16QAM	1	49	19.21	0.083	19.46	0.088	19.35	0.086
10	16QAM	25	0	18.18	0.066	18.14	0.065	18.20	0.066
10	16QAM	25	12	18.28	0.067	18.28	0.067	18.26	0.067
10	16QAM	25	25	18.16	0.065	18.34	0.068	18.29	0.067
10	16QAM	50	0	18.23	0.067	18.19	0.066	18.29	0.067
10	64QAM	1	0	18.26	0.067	18.39	0.069	18.28	0.067
10	64QAM	1	25	18.17	0.066	18.40	0.069	18.27	0.067
10	64QAM	1	49	18.20	0.066	18.27	0.067	18.36	0.069
10	64QAM	25	0	18.36	0.069	18.10	0.065	18.16	0.065
10	64QAM	25	12	18.30	0.068	18.27	0.067	18.20	0.066
10	64QAM	25	25	18.22	0.066	18.36	0.069	18.21	0.066
10	64QAM	50	0	18.11	0.065	18.11	0.065	18.25	0.067



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	20.09	0.102	20.01	0.100	20.14	0.103
5	QPSK	1	12	20.20	0.105	20.11	0.103	20.00	0.100
5	QPSK	1	24	20.16	0.104	20.22	0.105	20.13	0.103
5	QPSK	12	0	19.09	0.081	19.23	0.084	19.13	0.082
5	QPSK	12	7	19.23	0.084	19.28	0.085	19.22	0.084
5	QPSK	12	13	19.17	0.083	19.20	0.083	19.22	0.084
5	QPSK	25	0	19.15	0.082	19.19	0.083	19.09	0.081
5	16QAM	1	0	19.49	0.089	19.58	0.091	19.56	0.090
5	16QAM	1	12	19.31	0.085	19.42	0.087	19.35	0.086
5	16QAM	1	24	19.21	0.083	19.35	0.086	19.42	0.087
5	16QAM	12	0	18.10	0.065	18.24	0.067	18.23	0.067
5	16QAM	12	7	18.33	0.068	18.27	0.067	18.29	0.067
5	16QAM	12	13	18.20	0.066	18.23	0.067	18.26	0.067
5	16QAM	25	0	18.25	0.067	18.24	0.067	18.05	0.064
5	64QAM	1	0	18.39	0.069	18.27	0.067	18.36	0.069
5	64QAM	1	12	18.40	0.069	18.20	0.066	18.19	0.066
5	64QAM	1	24	18.46	0.070	18.47	0.070	18.40	0.069
5	64QAM	12	0	18.03	0.064	18.25	0.067	18.16	0.065
5	64QAM	12	7	18.30	0.068	18.20	0.066	18.27	0.067
5	64QAM	12	13	18.17	0.066	18.28	0.067	18.25	0.067
5	64QAM	25	0	18.23	0.067	18.26	0.067	18.12	0.065



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23025		23095		23165	
Frequency (MHz)				700.5		707.5		714.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	20.13	0.103	20.14	0.103	20.13	0.103
3	QPSK	1	8	20.17	0.104	20.18	0.104	20.18	0.104
3	QPSK	1	14	20.11	0.103	20.11	0.103	20.09	0.102
3	QPSK	8	0	19.16	0.082	19.25	0.084	19.15	0.082
3	QPSK	8	4	19.19	0.083	19.16	0.082	19.26	0.084
3	QPSK	8	7	19.14	0.082	19.19	0.083	19.09	0.081
3	QPSK	15	0	19.14	0.082	19.11	0.081	19.12	0.082
3	16QAM	1	0	19.66	0.092	19.43	0.088	19.54	0.090
3	16QAM	1	8	19.63	0.092	19.70	0.093	19.55	0.090
3	16QAM	1	14	19.57	0.091	19.75	0.094	19.45	0.088
3	16QAM	8	0	18.32	0.068	18.34	0.068	18.19	0.066
3	16QAM	8	4	18.30	0.068	18.26	0.067	18.19	0.066
3	16QAM	8	7	18.14	0.065	18.33	0.068	18.14	0.065
3	16QAM	15	0	18.31	0.068	18.25	0.067	18.09	0.064
3	64QAM	1	0	18.36	0.069	18.27	0.067	18.27	0.067
3	64QAM	1	8	18.37	0.069	18.46	0.070	18.36	0.069
3	64QAM	1	14	18.40	0.069	18.36	0.069	18.35	0.068
3	64QAM	8	0	18.23	0.067	18.21	0.066	18.11	0.065
3	64QAM	8	4	18.15	0.065	18.22	0.066	18.19	0.066
3	64QAM	8	7	18.23	0.067	18.15	0.065	18.10	0.065
3	64QAM	15	0	18.13	0.065	18.29	0.067	18.15	0.065



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23017		23095		23173	
Frequency (MHz)				699.7		707.5		715.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	20.13	0.103	20.05	0.101	20.05	0.101
1.4	QPSK	1	3	20.02	0.100	20.19	0.104	20.08	0.102
1.4	QPSK	1	5	19.99	0.100	20.05	0.101	19.98	0.100
1.4	QPSK	3	0	20.01	0.100	20.01	0.100	20.11	0.103
1.4	QPSK	3	1	20.02	0.100	20.11	0.103	20.03	0.101
1.4	QPSK	3	3	20.00	0.100	20.10	0.102	20.11	0.103
1.4	QPSK	6	0	19.13	0.082	19.14	0.082	19.15	0.082
1.4	16QAM	1	0	19.31	0.085	19.34	0.086	19.30	0.085
1.4	16QAM	1	3	19.28	0.085	19.43	0.088	19.33	0.086
1.4	16QAM	1	5	19.25	0.084	19.27	0.085	19.27	0.085
1.4	16QAM	3	0	19.18	0.083	19.19	0.083	19.19	0.083
1.4	16QAM	3	1	19.25	0.084	19.25	0.084	19.14	0.082
1.4	16QAM	3	3	19.14	0.082	19.19	0.083	19.12	0.082
1.4	16QAM	6	0	18.15	0.065	18.24	0.067	18.19	0.066
1.4	64QAM	1	0	18.23	0.067	18.23	0.067	18.10	0.065
1.4	64QAM	1	3	18.23	0.067	18.39	0.069	18.20	0.066
1.4	64QAM	1	5	18.20	0.066	18.23	0.067	18.33	0.068
1.4	64QAM	3	0	18.14	0.065	18.36	0.069	18.12	0.065
1.4	64QAM	3	1	18.11	0.065	18.11	0.065	18.21	0.066
1.4	64QAM	3	3	18.13	0.065	18.39	0.069	18.14	0.065
1.4	64QAM	6	0	18.15	0.065	18.21	0.066	18.15	0.065



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	/	/	19.87	0.097	/	/
10	QPSK	1	25	/	/	20.05	0.101	/	/
10	QPSK	1	49	/	/	19.95	0.099	/	/
10	QPSK	25	0	/	/	18.93	0.078	/	/
10	QPSK	25	12	/	/	19.00	0.079	/	/
10	QPSK	25	25	/	/	19.02	0.080	/	/
10	QPSK	50	0	/	/	19.01	0.080	/	/
10	16QAM	1	0	/	/	19.11	0.081	/	/
10	16QAM	1	25	/	/	19.35	0.086	/	/
10	16QAM	1	49	/	/	19.32	0.086	/	/
10	16QAM	25	0	/	/	18.49	0.071	/	/
10	16QAM	25	12	/	/	18.39	0.069	/	/
10	16QAM	25	25	/	/	18.39	0.069	/	/
10	16QAM	50	0	/	/	18.47	0.070	/	/
10	64QAM	1	0	/	/	18.36	0.069	/	/
10	64QAM	1	25	/	/	18.47	0.070	/	/
10	64QAM	1	49	/	/	18.33	0.068	/	/
10	64QAM	25	0	/	/	18.39	0.069	/	/
10	64QAM	25	12	/	/	18.41	0.069	/	/
10	64QAM	25	25	/	/	18.52	0.071	/	/
10	64QAM	50	0	/	/	18.36	0.069	/	/



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	19.82	0.096	19.96	0.099	19.93	0.098
5	QPSK	1	12	19.89	0.097	19.92	0.098	19.87	0.097
5	QPSK	1	24	19.87	0.097	19.87	0.097	19.93	0.098
5	QPSK	12	0	18.89	0.077	18.91	0.078	18.92	0.078
5	QPSK	12	7	19.03	0.080	18.89	0.077	19.02	0.080
5	QPSK	12	13	18.94	0.078	19.03	0.080	18.96	0.079
5	QPSK	25	0	19.05	0.080	18.98	0.079	19.01	0.080
5	16QAM	1	0	19.40	0.087	19.23	0.084	19.15	0.082
5	16QAM	1	12	19.06	0.081	19.41	0.087	19.35	0.086
5	16QAM	1	24	19.28	0.085	19.44	0.088	19.42	0.087
5	16QAM	12	0	18.41	0.069	17.92	0.062	17.98	0.063
5	16QAM	12	7	18.46	0.070	17.90	0.062	18.10	0.065
5	16QAM	12	13	18.39	0.069	18.12	0.065	18.01	0.063
5	16QAM	25	0	18.37	0.069	18.30	0.068	18.00	0.063
5	64QAM	1	0	18.40	0.069	18.46	0.070	18.46	0.070
5	64QAM	1	12	18.30	0.068	18.30	0.068	18.14	0.065
5	64QAM	1	24	18.46	0.070	18.11	0.065	18.19	0.066
5	64QAM	12	0	18.30	0.068	18.19	0.066	18.33	0.068
5	64QAM	12	7	18.33	0.068	18.12	0.065	18.19	0.066
5	64QAM	12	13	18.49	0.071	18.02	0.063	17.98	0.063
5	64QAM	25	0	18.20	0.066	17.98	0.063	18.09	0.064



LTE Band 17				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23780		23790		23800	
Frequency (MHz)				709		710		711	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	19.99	0.100	19.86	0.097	19.96	0.099
10	QPSK	1	25	19.79	0.095	19.80	0.095	19.72	0.094
10	QPSK	1	49	19.80	0.095	19.69	0.093	19.80	0.095
10	QPSK	25	0	18.94	0.078	18.76	0.075	18.52	0.071
10	QPSK	25	12	18.50	0.071	18.90	0.078	18.82	0.076
10	QPSK	25	25	18.84	0.077	18.75	0.075	18.83	0.076
10	QPSK	50	0	18.81	0.076	18.84	0.077	18.84	0.077
10	16QAM	1	0	18.97	0.079	19.01	0.080	19.00	0.079
10	16QAM	1	25	18.95	0.079	18.95	0.079	18.79	0.076
10	16QAM	1	49	19.03	0.080	18.75	0.075	19.10	0.081
10	16QAM	25	0	18.74	0.075	18.46	0.070	18.62	0.073
10	16QAM	25	12	18.49	0.071	18.63	0.073	18.79	0.076
10	16QAM	25	25	18.62	0.073	18.71	0.074	18.71	0.074
10	16QAM	50	0	18.53	0.071	18.49	0.071	18.52	0.071
10	64QAM	1	0	18.30	0.068	18.67	0.074	18.38	0.069
10	64QAM	1	25	18.19	0.066	18.74	0.075	18.68	0.074
10	64QAM	1	49	18.28	0.067	18.76	0.075	18.11	0.065
10	64QAM	25	0	18.21	0.066	18.10	0.065	18.27	0.067
10	64QAM	25	12	17.92	0.062	18.12	0.065	18.19	0.066
10	64QAM	25	25	17.97	0.063	18.21	0.066	18.37	0.069
10	64QAM	50	0	18.11	0.065	18.04	0.064	18.19	0.066



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23017		23095		23173	
Frequency (MHz)				699.7		707.5		715.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	19.47	0.089	19.57	0.091	19.57	0.091
1.4	QPSK	1	3	19.55	0.090	19.60	0.091	19.57	0.091
1.4	QPSK	1	5	19.47	0.089	19.54	0.090	19.47	0.089
1.4	QPSK	3	0	19.53	0.090	19.57	0.091	19.51	0.089
1.4	QPSK	3	1	19.55	0.090	19.53	0.090	19.57	0.091
1.4	QPSK	3	3	19.50	0.089	19.57	0.091	19.45	0.088
1.4	QPSK	6	0	18.59	0.072	18.58	0.072	18.58	0.072
1.4	16QAM	1	0	18.80	0.076	19.09	0.081	18.75	0.075
1.4	16QAM	1	3	18.79	0.076	18.96	0.079	18.77	0.075
1.4	16QAM	1	5	18.94	0.078	19.04	0.080	18.95	0.079
1.4	16QAM	3	0	18.58	0.072	18.57	0.072	18.61	0.073
1.4	16QAM	3	1	18.69	0.074	18.60	0.072	18.74	0.075
1.4	16QAM	3	3	18.56	0.072	18.53	0.071	18.63	0.073
1.4	16QAM	6	0	18.50	0.071	18.51	0.071	18.67	0.074
1.4	64QAM	1	0	18.49	0.071	18.49	0.071	18.75	0.075
1.4	64QAM	1	3	18.67	0.074	18.56	0.072	18.72	0.074
1.4	64QAM	1	5	18.68	0.074	18.75	0.075	18.68	0.074
1.4	64QAM	3	0	18.56	0.072	18.67	0.074	18.81	0.076
1.4	64QAM	3	1	18.64	0.073	18.61	0.073	18.74	0.075
1.4	64QAM	3	3	18.55	0.072	18.64	0.073	18.62	0.073
1.4	64QAM	6	0	18.40	0.069	18.60	0.072	18.49	0.071



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	/	/	19.52	0.090	/	/
10	QPSK	1	25	/	/	19.84	0.096	/	/
10	QPSK	1	49	/	/	19.45	0.088	/	/
10	QPSK	25	0	/	/	18.51	0.071	/	/
10	QPSK	25	12	/	/	18.59	0.072	/	/
10	QPSK	25	25	/	/	18.60	0.072	/	/
10	QPSK	50	0	/	/	18.58	0.072	/	/
10	16QAM	1	0	/	/	18.65	0.073	/	/
10	16QAM	1	25	/	/	18.82	0.076	/	/
10	16QAM	1	49	/	/	18.65	0.073	/	/
10	16QAM	25	0	/	/	18.51	0.071	/	/
10	16QAM	25	12	/	/	18.60	0.072	/	/
10	16QAM	25	25	/	/	18.69	0.074	/	/
10	16QAM	50	0	/	/	18.67	0.074	/	/
10	64QAM	1	0	/	/	18.41	0.069	/	/
10	64QAM	1	25	/	/	18.22	0.066	/	/
10	64QAM	1	49	/	/	18.47	0.070	/	/
10	64QAM	25	0	/	/	17.64	0.058	/	/
10	64QAM	25	12	/	/	17.61	0.058	/	/
10	64QAM	25	25	/	/	17.57	0.057	/	/
10	64QAM	50	0	/	/	17.47	0.056	/	/



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	19.40	0.087	19.56	0.090	19.58	0.091
5	QPSK	1	12	19.44	0.088	19.50	0.089	19.46	0.088
5	QPSK	1	24	19.56	0.090	19.65	0.092	19.57	0.091
5	QPSK	12	0	18.53	0.071	18.57	0.072	18.53	0.071
5	QPSK	12	7	18.65	0.073	18.54	0.071	18.65	0.073
5	QPSK	12	13	18.64	0.073	18.58	0.072	18.58	0.072
5	QPSK	25	0	18.68	0.074	18.52	0.071	18.61	0.073
5	16QAM	1	0	18.75	0.075	18.62	0.073	18.66	0.073
5	16QAM	1	12	18.83	0.076	18.84	0.077	18.86	0.077
5	16QAM	1	24	19.11	0.081	18.90	0.078	18.76	0.075
5	16QAM	12	0	18.60	0.072	18.60	0.072	18.60	0.072
5	16QAM	12	7	18.49	0.071	18.57	0.072	18.50	0.071
5	16QAM	12	13	18.42	0.070	18.46	0.070	18.39	0.069
5	16QAM	25	0	18.53	0.071	18.58	0.072	18.47	0.070
5	64QAM	1	0	18.83	0.076	18.30	0.068	18.61	0.073
5	64QAM	1	12	18.20	0.066	18.47	0.070	18.71	0.074
5	64QAM	1	24	18.51	0.071	18.46	0.070	18.48	0.070
5	64QAM	12	0	17.47	0.056	17.67	0.058	17.54	0.057
5	64QAM	12	7	17.71	0.059	17.56	0.057	17.59	0.057
5	64QAM	12	13	17.67	0.058	17.67	0.058	17.60	0.058
5	64QAM	25	0	17.69	0.059	17.65	0.058	17.64	0.058



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	19.77	0.095	19.63	0.092	19.62	0.092
10	QPSK	1	25	19.60	0.091	19.55	0.090	19.50	0.089
10	QPSK	1	49	19.65	0.092	19.68	0.093	19.67	0.093
10	QPSK	25	0	18.78	0.076	18.69	0.074	18.59	0.072
10	QPSK	25	12	18.59	0.072	18.70	0.074	18.73	0.075
10	QPSK	25	25	18.63	0.073	18.74	0.075	18.71	0.074
10	QPSK	50	0	18.54	0.071	18.64	0.073	18.74	0.075
10	16QAM	1	0	18.63	0.073	18.74	0.075	18.95	0.079
10	16QAM	1	25	18.79	0.076	18.95	0.079	18.71	0.074
10	16QAM	1	49	18.86	0.077	18.67	0.074	18.90	0.078
10	16QAM	25	0	18.68	0.074	18.43	0.070	18.40	0.069
10	16QAM	25	12	18.81	0.076	18.43	0.070	18.49	0.071
10	16QAM	25	25	18.44	0.070	18.46	0.070	18.57	0.072
10	16QAM	50	0	18.63	0.073	18.49	0.071	18.37	0.069
10	64QAM	1	0	17.39	0.055	17.40	0.055	17.47	0.056
10	64QAM	1	25	17.63	0.058	17.47	0.056	17.40	0.055
10	64QAM	1	49	17.38	0.055	17.48	0.056	17.27	0.053
10	64QAM	25	0	17.57	0.057	17.49	0.056	17.68	0.059
10	64QAM	25	12	17.79	0.060	17.41	0.055	17.67	0.058
10	64QAM	25	25	17.51	0.056	17.72	0.059	17.37	0.055
10	64QAM	50	0	17.64	0.058	17.65	0.058	17.68	0.059



LTE Band 17				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23755		23790		23825	
Frequency (MHz)				706.5		710		713.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	19.49	0.089	19.61	0.091	19.54	0.090
5	QPSK	1	12	19.48	0.089	19.54	0.090	19.68	0.093
5	QPSK	1	24	19.59	0.091	19.55	0.090	19.63	0.092
5	QPSK	12	0	18.66	0.073	18.67	0.074	18.75	0.075
5	QPSK	12	7	18.68	0.074	18.66	0.073	18.74	0.075
5	QPSK	12	13	18.61	0.073	18.63	0.073	18.64	0.073
5	QPSK	25	0	18.73	0.075	18.66	0.073	18.67	0.074
5	16QAM	1	0	18.85	0.077	18.61	0.073	18.86	0.077
5	16QAM	1	12	18.88	0.077	18.71	0.074	18.94	0.078
5	16QAM	1	24	18.73	0.075	18.94	0.078	18.89	0.077
5	16QAM	12	0	18.68	0.074	18.40	0.069	18.40	0.069
5	16QAM	12	7	18.72	0.074	18.30	0.068	18.33	0.068
5	16QAM	12	13	18.51	0.071	18.46	0.070	18.43	0.070
5	16QAM	25	0	18.41	0.069	18.49	0.071	18.19	0.066
5	64QAM	1	0	17.31	0.054	17.39	0.055	17.54	0.057
5	64QAM	1	12	17.38	0.055	17.51	0.056	17.47	0.056
5	64QAM	1	24	17.49	0.056	17.27	0.053	17.43	0.055
5	64QAM	12	0	17.65	0.058	17.38	0.055	17.51	0.056
5	64QAM	12	7	17.67	0.058	17.39	0.055	17.40	0.055
5	64QAM	12	13	17.41	0.055	17.59	0.057	17.40	0.055
5	64QAM	25	0	17.51	0.056	17.61	0.058	17.49	0.056



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	21.07	0.128	21.40	0.138	21.00	0.126
20	QPSK	1	49	21.15	0.130	21.11	0.129	20.99	0.126
20	QPSK	1	99	20.98	0.125	21.00	0.126	20.89	0.123
20	QPSK	50	0	20.15	0.104	20.21	0.105	20.02	0.100
20	QPSK	50	24	20.18	0.104	20.15	0.104	20.19	0.104
20	QPSK	50	50	20.02	0.100	20.19	0.104	20.19	0.104
20	QPSK	100	0	20.14	0.103	20.09	0.102	20.23	0.105
20	16QAM	1	0	20.07	0.102	20.55	0.114	20.19	0.104
20	16QAM	1	49	20.05	0.101	20.15	0.104	20.09	0.102
20	16QAM	1	99	20.10	0.102	20.17	0.104	20.12	0.103
20	16QAM	50	0	20.22	0.105	20.04	0.101	20.15	0.104
20	16QAM	50	24	19.94	0.099	20.22	0.105	20.17	0.104
20	16QAM	50	50	20.02	0.100	19.74	0.094	20.25	0.106
20	16QAM	100	0	19.84	0.096	20.18	0.104	20.16	0.104
20	64QAM	1	0	20.05	0.101	20.48	0.112	20.02	0.100
20	64QAM	1	49	19.94	0.099	19.84	0.096	20.14	0.103
20	64QAM	1	99	20.35	0.108	20.15	0.104	20.24	0.106
20	64QAM	50	0	19.16	0.082	18.98	0.079	18.95	0.079
20	64QAM	50	24	19.20	0.083	19.08	0.081	19.21	0.083
20	64QAM	50	50	19.08	0.081	19.08	0.081	19.12	0.082
20	64QAM	100	0	19.23	0.084	19.15	0.082	19.15	0.082



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	21.03	0.127	21.09	0.129	21.07	0.128
15	QPSK	1	37	21.14	0.130	21.16	0.131	20.93	0.124
15	QPSK	1	74	21.06	0.128	21.02	0.126	21.11	0.129
15	QPSK	36	0	20.11	0.103	20.00	0.100	20.07	0.102
15	QPSK	36	20	20.26	0.106	20.14	0.103	20.15	0.104
15	QPSK	36	39	20.18	0.104	20.06	0.101	20.22	0.105
15	QPSK	75	0	20.13	0.103	20.12	0.103	20.21	0.105
15	16QAM	1	0	20.40	0.110	20.30	0.107	20.49	0.112
15	16QAM	1	37	20.38	0.109	20.44	0.111	20.14	0.103
15	16QAM	1	74	20.50	0.112	20.16	0.104	20.18	0.104
15	16QAM	36	0	20.05	0.101	19.95	0.099	20.05	0.101
15	16QAM	36	20	19.85	0.097	20.02	0.100	19.94	0.099
15	16QAM	36	39	19.76	0.095	19.85	0.097	19.81	0.096
15	16QAM	75	0	19.94	0.099	20.05	0.101	19.84	0.096
15	64QAM	1	0	19.88	0.097	19.94	0.099	20.05	0.101
15	64QAM	1	37	19.93	0.098	20.12	0.103	19.94	0.099
15	64QAM	1	74	19.75	0.094	19.95	0.099	19.96	0.099
15	64QAM	36	0	19.08	0.081	19.04	0.080	19.17	0.083
15	64QAM	36	20	19.24	0.084	19.17	0.083	19.20	0.083
15	64QAM	36	39	19.10	0.081	19.21	0.083	19.12	0.082
15	64QAM	75	0	19.19	0.083	19.10	0.081	19.13	0.082



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	21.35	0.136	21.18	0.131	21.21	0.132
10	QPSK	1	25	21.28	0.134	21.17	0.131	21.25	0.133
10	QPSK	1	49	21.25	0.133	20.93	0.124	21.10	0.129
10	QPSK	25	0	20.38	0.109	20.19	0.104	20.18	0.104
10	QPSK	25	12	20.38	0.109	20.34	0.108	20.32	0.108
10	QPSK	25	25	20.30	0.107	20.30	0.107	20.24	0.106
10	QPSK	50	0	20.31	0.107	20.32	0.108	20.16	0.104
10	16QAM	1	0	20.16	0.104	20.25	0.106	20.20	0.105
10	16QAM	1	25	20.51	0.112	20.21	0.105	20.41	0.110
10	16QAM	1	49	20.49	0.112	20.45	0.111	20.13	0.103
10	16QAM	25	0	19.75	0.094	19.87	0.097	19.84	0.096
10	16QAM	25	12	19.95	0.099	19.88	0.097	19.97	0.099
10	16QAM	25	25	19.87	0.097	19.98	0.100	20.02	0.100
10	16QAM	50	0	19.94	0.099	19.94	0.099	19.94	0.099
10	64QAM	1	0	19.96	0.099	19.75	0.094	19.87	0.097
10	64QAM	1	25	19.89	0.097	19.94	0.099	20.02	0.100
10	64QAM	1	49	19.81	0.096	19.94	0.099	19.95	0.099
10	64QAM	25	0	19.37	0.086	19.31	0.085	19.26	0.084
10	64QAM	25	12	19.34	0.086	19.33	0.086	19.23	0.084
10	64QAM	25	25	19.27	0.085	19.31	0.085	19.18	0.083
10	64QAM	50	0	19.29	0.085	19.31	0.085	19.31	0.085



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	21.30	0.135	21.27	0.134	21.27	0.134
5	QPSK	1	12	21.22	0.132	21.23	0.133	21.24	0.133
5	QPSK	1	24	21.30	0.135	21.21	0.132	21.18	0.131
5	QPSK	12	0	20.39	0.109	20.35	0.108	20.34	0.108
5	QPSK	12	7	20.29	0.107	20.33	0.108	20.41	0.110
5	QPSK	12	13	20.32	0.108	20.34	0.108	20.36	0.109
5	QPSK	25	0	20.35	0.108	20.28	0.107	20.27	0.106
5	16QAM	1	0	20.59	0.115	20.51	0.112	20.45	0.111
5	16QAM	1	12	20.32	0.108	20.34	0.108	20.48	0.112
5	16QAM	1	24	20.61	0.115	20.50	0.112	20.25	0.106
5	16QAM	12	0	19.86	0.097	20.04	0.101	19.94	0.099
5	16QAM	12	7	19.94	0.099	19.76	0.095	19.76	0.095
5	16QAM	12	13	20.02	0.100	19.97	0.099	19.94	0.099
5	16QAM	25	0	19.94	0.099	19.99	0.100	19.84	0.096
5	64QAM	1	0	19.84	0.096	19.84	0.096	20.07	0.102
5	64QAM	1	12	19.76	0.095	19.79	0.095	19.94	0.099
5	64QAM	1	24	19.82	0.096	19.98	0.100	19.79	0.095
5	64QAM	12	0	19.34	0.086	19.31	0.085	19.33	0.086
5	64QAM	12	7	19.29	0.085	19.36	0.086	19.33	0.086
5	64QAM	12	13	19.20	0.083	19.16	0.082	19.39	0.087
5	64QAM	25	0	19.31	0.085	19.31	0.085	19.29	0.085



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	21.19	0.132	21.15	0.130	21.25	0.133
3	QPSK	1	8	21.24	0.133	21.14	0.130	21.22	0.132
3	QPSK	1	14	21.17	0.131	21.10	0.129	21.23	0.133
3	QPSK	8	0	20.28	0.107	20.29	0.107	20.31	0.107
3	QPSK	8	4	20.34	0.108	20.31	0.107	20.34	0.108
3	QPSK	8	7	20.30	0.107	20.31	0.107	20.26	0.106
3	QPSK	15	0	20.31	0.107	20.31	0.107	20.33	0.108
3	16QAM	1	0	20.47	0.111	20.24	0.106	20.49	0.112
3	16QAM	1	8	20.22	0.105	20.72	0.118	20.53	0.113
3	16QAM	1	14	20.54	0.113	20.66	0.116	20.43	0.110
3	16QAM	8	0	19.76	0.095	19.76	0.095	19.85	0.097
3	16QAM	8	4	20.07	0.102	19.94	0.099	19.97	0.099
3	16QAM	8	7	19.95	0.099	20.14	0.103	19.97	0.099
3	16QAM	15	0	19.94	0.099	19.94	0.099	19.94	0.099
3	64QAM	1	0	19.86	0.097	19.91	0.098	19.86	0.097
3	64QAM	1	8	20.14	0.103	19.74	0.094	19.81	0.096
3	64QAM	1	14	19.94	0.099	19.79	0.095	19.83	0.096
3	64QAM	8	0	19.33	0.086	19.28	0.085	19.23	0.084
3	64QAM	8	4	19.29	0.085	19.40	0.087	19.32	0.086
3	64QAM	8	7	19.34	0.086	19.33	0.086	19.36	0.086
3	64QAM	15	0	19.36	0.086	19.29	0.085	19.32	0.086



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	21.23	0.133	21.17	0.131	21.13	0.130
1.4	QPSK	1	3	21.24	0.133	21.20	0.132	21.28	0.134
1.4	QPSK	1	5	21.20	0.132	21.15	0.130	21.18	0.131
1.4	QPSK	3	0	21.17	0.131	21.22	0.132	21.17	0.131
1.4	QPSK	3	1	21.20	0.132	21.16	0.131	21.29	0.135
1.4	QPSK	3	3	21.20	0.132	21.11	0.129	21.17	0.131
1.4	QPSK	6	0	20.22	0.105	20.27	0.106	20.27	0.106
1.4	16QAM	1	0	20.43	0.110	20.67	0.117	20.63	0.116
1.4	16QAM	1	3	20.39	0.109	20.49	0.112	20.60	0.115
1.4	16QAM	1	5	20.32	0.108	20.28	0.107	20.61	0.115
1.4	16QAM	3	0	20.23	0.105	20.29	0.107	20.14	0.103
1.4	16QAM	3	1	20.38	0.109	20.41	0.110	20.25	0.106
1.4	16QAM	3	3	20.33	0.108	20.35	0.108	20.14	0.103
1.4	16QAM	6	0	20.05	0.101	20.21	0.105	20.13	0.103
1.4	64QAM	1	0	19.76	0.095	20.02	0.100	20.15	0.104
1.4	64QAM	1	3	19.86	0.097	19.91	0.098	19.84	0.096
1.4	64QAM	1	5	19.98	0.100	19.85	0.097	19.92	0.098
1.4	64QAM	3	0	19.85	0.097	20.02	0.100	20.29	0.107
1.4	64QAM	3	1	19.85	0.097	20.19	0.104	20.31	0.107
1.4	64QAM	3	3	19.71	0.094	20.21	0.105	20.09	0.102
1.4	64QAM	6	0	19.22	0.084	19.24	0.084	19.30	0.085



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	19.44	0.088	19.70	0.093	19.29	0.085
15	QPSK	1	37	18.89	0.077	19.15	0.082	19.36	0.086
15	QPSK	1	74	19.13	0.082	19.39	0.087	19.31	0.085
15	QPSK	36	0	18.31	0.068	18.57	0.072	18.47	0.070
15	QPSK	36	20	18.10	0.065	18.36	0.069	18.49	0.071
15	QPSK	36	39	18.26	0.067	18.52	0.071	18.45	0.070
15	QPSK	75	0	18.23	0.067	18.49	0.071	18.46	0.070
15	16QAM	1	0	18.25	0.067	18.51	0.071	18.44	0.070
15	16QAM	1	37	18.43	0.070	18.69	0.074	18.45	0.070
15	16QAM	1	74	18.30	0.068	18.56	0.072	18.63	0.073
15	16QAM	36	0	18.21	0.066	18.47	0.070	18.41	0.069
15	16QAM	36	20	18.16	0.065	18.42	0.070	18.38	0.069
15	16QAM	36	39	18.27	0.067	18.53	0.071	18.47	0.070
15	16QAM	75	0	18.19	0.066	18.45	0.070	18.41	0.069
15	64QAM	1	0	18.20	0.066	18.46	0.070	18.40	0.069
15	64QAM	1	37	18.21	0.066	18.47	0.070	18.45	0.070
15	64QAM	1	74	18.34	0.068	18.60	0.072	18.31	0.068
15	64QAM	36	0	17.12	0.052	17.38	0.055	17.53	0.057
15	64QAM	36	20	17.15	0.052	17.41	0.055	17.42	0.055
15	64QAM	36	39	17.26	0.053	17.52	0.056	17.35	0.054
15	64QAM	75	0	17.20	0.052	17.46	0.056	17.53	0.057



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	19.14	0.082	19.14	0.082	19.40	0.087
10	QPSK	1	25	19.42	0.087	19.42	0.087	19.68	0.093
10	QPSK	1	49	19.04	0.080	19.04	0.080	19.30	0.085
10	QPSK	25	0	18.34	0.068	18.34	0.068	18.60	0.072
10	QPSK	25	12	18.24	0.067	18.24	0.067	18.50	0.071
10	QPSK	25	25	18.33	0.068	18.33	0.068	18.59	0.072
10	QPSK	50	0	18.12	0.065	18.12	0.065	18.38	0.069
10	16QAM	1	0	18.45	0.070	18.45	0.070	18.71	0.074
10	16QAM	1	25	18.37	0.069	18.37	0.069	18.63	0.073
10	16QAM	1	49	18.42	0.070	18.42	0.070	18.68	0.074
10	16QAM	25	0	18.20	0.066	18.20	0.066	18.46	0.070
10	16QAM	25	12	18.13	0.065	18.13	0.065	18.39	0.069
10	16QAM	25	25	18.23	0.067	18.23	0.067	18.49	0.071
10	16QAM	50	0	18.34	0.068	18.34	0.068	18.60	0.072
10	64QAM	1	0	18.24	0.067	18.24	0.067	18.50	0.071
10	64QAM	1	25	18.10	0.065	18.10	0.065	18.36	0.069
10	64QAM	1	49	18.17	0.066	18.17	0.066	18.43	0.070
10	64QAM	25	0	17.23	0.053	17.23	0.053	17.49	0.056
10	64QAM	25	12	17.31	0.054	17.31	0.054	17.57	0.057
10	64QAM	25	25	17.33	0.054	17.33	0.054	17.59	0.057
10	64QAM	50	0	17.17	0.052	17.17	0.052	17.43	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				26815		26915		27015	
Frequency (MHz)				826.5		836.5		846.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	19.22	0.084	19.25	0.084	19.51	0.089
5	QPSK	1	12	19.10	0.081	19.17	0.083	19.43	0.088
5	QPSK	1	24	19.12	0.082	19.17	0.083	19.43	0.088
5	QPSK	12	0	18.22	0.066	18.25	0.067	18.51	0.071
5	QPSK	12	7	18.28	0.067	18.31	0.068	18.57	0.072
5	QPSK	12	13	18.25	0.067	18.25	0.067	18.51	0.071
5	QPSK	25	0	18.21	0.066	18.25	0.067	18.51	0.071
5	16QAM	1	0	18.13	0.065	18.13	0.065	18.39	0.069
5	16QAM	1	12	18.23	0.067	18.23	0.067	18.49	0.071
5	16QAM	1	24	18.56	0.072	18.56	0.072	18.82	0.076
5	16QAM	12	0	18.33	0.068	18.33	0.068	18.59	0.072
5	16QAM	12	7	18.40	0.069	18.40	0.069	18.66	0.073
5	16QAM	12	13	18.24	0.067	18.24	0.067	18.50	0.071
5	16QAM	25	0	18.30	0.068	18.30	0.068	18.56	0.072
5	64QAM	1	0	18.47	0.070	18.48	0.070	18.74	0.075
5	64QAM	1	12	18.30	0.068	18.30	0.068	18.56	0.072
5	64QAM	1	24	18.44	0.070	18.45	0.070	18.71	0.074
5	64QAM	12	0	17.34	0.054	17.34	0.054	17.60	0.058
5	64QAM	12	7	17.20	0.052	17.23	0.053	17.49	0.056
5	64QAM	12	13	17.23	0.053	17.23	0.053	17.49	0.056
5	64QAM	25	0	17.21	0.053	17.25	0.053	17.51	0.056



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	19.16	0.082	19.18	0.083	19.44	0.088
3	QPSK	1	8	19.20	0.083	19.21	0.083	19.47	0.089
3	QPSK	1	14	19.10	0.081	19.11	0.081	19.37	0.086
3	QPSK	8	0	18.21	0.066	18.26	0.067	18.52	0.071
3	QPSK	8	4	18.21	0.066	18.21	0.066	18.47	0.070
3	QPSK	8	7	18.17	0.066	18.17	0.066	18.43	0.070
3	QPSK	15	0	18.24	0.067	18.24	0.067	18.50	0.071
3	16QAM	1	0	18.15	0.065	18.15	0.065	18.41	0.069
3	16QAM	1	8	18.14	0.065	18.16	0.065	18.42	0.070
3	16QAM	1	14	18.21	0.066	18.21	0.066	18.47	0.070
3	16QAM	8	0	18.33	0.068	18.33	0.068	18.59	0.072
3	16QAM	8	4	18.37	0.069	18.37	0.069	18.63	0.073
3	16QAM	8	7	18.33	0.068	18.33	0.068	18.59	0.072
3	16QAM	15	0	18.23	0.067	18.23	0.067	18.49	0.071
3	64QAM	1	0	18.14	0.065	18.17	0.066	18.43	0.070
3	64QAM	1	8	18.45	0.070	18.45	0.070	18.71	0.074
3	64QAM	1	14	18.31	0.068	18.34	0.068	18.60	0.072
3	64QAM	8	0	17.15	0.052	17.18	0.052	17.44	0.055
3	64QAM	8	4	17.30	0.054	17.30	0.054	17.56	0.057
3	64QAM	8	7	17.26	0.053	17.28	0.053	17.54	0.057
3	64QAM	15	0	17.18	0.052	17.20	0.052	17.46	0.056



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	19.16	0.082	19.12	0.082	19.38	0.087
1.4	QPSK	1	3	19.10	0.081	19.08	0.081	19.34	0.086
1.4	QPSK	1	5	19.00	0.079	19.00	0.079	19.26	0.084
1.4	QPSK	3	0	19.00	0.079	19.00	0.079	19.26	0.084
1.4	QPSK	3	1	19.05	0.080	19.05	0.080	19.31	0.085
1.4	QPSK	3	3	19.01	0.080	19.01	0.080	19.27	0.085
1.4	QPSK	6	0	18.20	0.066	18.20	0.066	18.46	0.070
1.4	16QAM	1	0	18.18	0.066	18.18	0.066	18.44	0.070
1.4	16QAM	1	3	18.21	0.066	18.24	0.067	18.50	0.071
1.4	16QAM	1	5	18.11	0.065	18.18	0.066	18.44	0.070
1.4	16QAM	3	0	18.04	0.064	18.04	0.064	18.30	0.068
1.4	16QAM	3	1	18.05	0.064	18.05	0.064	18.31	0.068
1.4	16QAM	3	3	17.92	0.062	17.96	0.063	18.22	0.066
1.4	16QAM	6	0	18.28	0.067	18.28	0.067	18.54	0.071
1.4	64QAM	1	0	18.14	0.065	18.14	0.065	18.40	0.069
1.4	64QAM	1	3	18.08	0.064	18.08	0.064	18.34	0.068
1.4	64QAM	1	5	18.08	0.064	18.08	0.064	18.34	0.068
1.4	64QAM	3	0	18.14	0.065	18.19	0.066	18.45	0.070
1.4	64QAM	3	1	18.02	0.063	18.02	0.063	18.28	0.067
1.4	64QAM	3	3	18.00	0.063	17.98	0.063	18.24	0.067
1.4	64QAM	6	0	17.08	0.051	17.10	0.051	17.36	0.054



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	27.67	0.585	28.22	0.664	28.01	0.632
20	QPSK	1	49	27.69	0.587	27.73	0.593	27.91	0.618
20	QPSK	1	99	27.82	0.605	27.82	0.605	27.99	0.630
20	QPSK	50	0	27.11	0.514	27.42	0.552	27.27	0.533
20	QPSK	50	24	27.06	0.508	27.11	0.514	27.17	0.521
20	QPSK	50	50	27.12	0.515	27.12	0.515	27.14	0.518
20	QPSK	100	0	27.09	0.512	27.12	0.515	27.24	0.530
20	16QAM	1	0	27.21	0.526	27.32	0.540	27.44	0.555
20	16QAM	1	49	27.12	0.515	27.11	0.514	27.24	0.530
20	16QAM	1	99	27.11	0.514	27.12	0.515	27.33	0.541
20	16QAM	50	0	26.58	0.455	26.50	0.447	26.67	0.465
20	16QAM	50	24	26.67	0.465	26.71	0.469	26.77	0.475
20	16QAM	50	50	26.83	0.482	26.78	0.476	26.67	0.465
20	16QAM	100	0	26.44	0.441	26.73	0.471	26.49	0.446
20	64QAM	1	0	26.68	0.466	26.60	0.457	26.72	0.470
20	64QAM	1	49	26.71	0.469	26.67	0.465	26.19	0.416
20	64QAM	1	99	26.92	0.492	26.68	0.466	26.94	0.494
20	64QAM	50	0	26.41	0.438	26.72	0.470	26.71	0.469
20	64QAM	50	24	26.56	0.453	26.93	0.493	26.39	0.436
20	64QAM	50	50	26.16	0.413	26.71	0.469	26.39	0.436
20	64QAM	100	0	26.37	0.434	26.56	0.453	26.47	0.444



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	27.62	0.578	28.10	0.646	27.96	0.625
15	QPSK	1	37	27.64	0.581	27.68	0.586	27.86	0.611
15	QPSK	1	74	27.77	0.598	27.77	0.598	27.94	0.622
15	QPSK	36	0	27.01	0.502	27.32	0.540	27.17	0.521
15	QPSK	36	20	26.96	0.497	27.01	0.502	27.07	0.509
15	QPSK	36	39	27.02	0.504	27.02	0.504	27.04	0.506
15	QPSK	75	0	26.99	0.500	27.02	0.504	27.14	0.518
15	16QAM	1	0	27.11	0.514	27.22	0.527	27.11	0.514
15	16QAM	1	37	27.02	0.504	27.01	0.502	27.14	0.518
15	16QAM	1	74	27.01	0.502	27.02	0.504	27.23	0.528
15	16QAM	36	0	26.54	0.451	26.46	0.443	26.63	0.460
15	16QAM	36	20	26.63	0.460	26.67	0.465	26.73	0.471
15	16QAM	36	39	26.79	0.478	26.74	0.472	26.63	0.460
15	16QAM	75	0	26.62	0.459	26.69	0.467	26.45	0.442
15	64QAM	1	0	26.64	0.461	26.56	0.453	26.68	0.466
15	64QAM	1	37	26.67	0.465	26.63	0.460	26.15	0.412
15	64QAM	1	74	26.88	0.488	26.64	0.461	26.63	0.460
15	64QAM	36	0	26.37	0.434	26.68	0.466	26.67	0.465
15	64QAM	36	20	26.52	0.449	26.89	0.489	26.35	0.432
15	64QAM	36	39	26.12	0.409	26.67	0.465	26.35	0.432
15	64QAM	75	0	26.33	0.430	26.52	0.449	26.43	0.440



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	27.64	0.581	28.09	0.644	27.98	0.628
10	QPSK	1	25	27.66	0.583	27.70	0.589	27.88	0.614
10	QPSK	1	49	27.79	0.601	27.79	0.601	27.96	0.625
10	QPSK	25	0	27.05	0.507	27.22	0.527	27.21	0.526
10	QPSK	25	12	27.00	0.501	27.05	0.507	27.11	0.514
10	QPSK	25	25	27.06	0.508	27.06	0.508	27.08	0.511
10	QPSK	50	0	27.03	0.505	27.06	0.508	27.18	0.522
10	16QAM	1	0	27.15	0.519	27.26	0.532	27.22	0.527
10	16QAM	1	25	27.06	0.508	27.05	0.507	27.18	0.522
10	16QAM	1	49	27.05	0.507	27.06	0.508	27.27	0.533
10	16QAM	25	0	26.47	0.444	26.39	0.436	26.56	0.453
10	16QAM	25	12	26.56	0.453	26.60	0.457	26.66	0.463
10	16QAM	25	25	26.72	0.470	26.67	0.465	26.56	0.453
10	16QAM	50	0	26.55	0.452	26.62	0.459	26.38	0.435
10	64QAM	1	0	26.57	0.454	26.49	0.446	26.61	0.458
10	64QAM	1	25	26.60	0.457	26.56	0.453	26.08	0.406
10	64QAM	1	49	26.81	0.480	26.57	0.454	26.56	0.453
10	64QAM	25	0	26.30	0.427	26.61	0.458	26.60	0.457
10	64QAM	25	12	26.45	0.442	26.82	0.481	26.28	0.425
10	64QAM	25	25	26.05	0.403	26.60	0.457	26.28	0.425
10	64QAM	50	0	26.26	0.423	26.45	0.442	26.36	0.433



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	27.52	0.565	28.07	0.641	27.86	0.611
5	QPSK	1	12	27.54	0.568	27.58	0.573	27.76	0.597
5	QPSK	1	24	27.67	0.585	27.67	0.585	27.84	0.608
5	QPSK	12	0	27.10	0.513	27.11	0.514	27.26	0.532
5	QPSK	12	7	27.05	0.507	27.10	0.513	27.16	0.520
5	QPSK	12	13	27.11	0.514	27.11	0.514	27.13	0.516
5	QPSK	25	0	27.08	0.511	27.11	0.514	27.23	0.528
5	16QAM	1	0	27.20	0.525	27.31	0.538	27.31	0.538
5	16QAM	1	12	27.11	0.514	27.10	0.513	27.23	0.528
5	16QAM	1	24	27.10	0.513	27.11	0.514	27.32	0.540
5	16QAM	12	0	26.45	0.442	26.37	0.434	26.54	0.451
5	16QAM	12	7	26.54	0.451	26.58	0.455	26.64	0.461
5	16QAM	12	13	26.70	0.468	26.65	0.462	26.54	0.451
5	16QAM	25	0	26.53	0.450	26.60	0.457	26.36	0.433
5	64QAM	1	0	26.55	0.452	26.47	0.444	26.59	0.456
5	64QAM	1	12	26.58	0.455	26.54	0.451	26.06	0.404
5	64QAM	1	24	26.79	0.478	26.55	0.452	26.54	0.451
5	64QAM	12	0	26.28	0.425	26.59	0.456	26.58	0.455
5	64QAM	12	7	26.43	0.440	26.80	0.479	26.26	0.423
5	64QAM	12	13	26.03	0.401	26.58	0.455	26.26	0.423
5	64QAM	25	0	26.24	0.421	26.43	0.440	26.34	0.431



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	17.11	0.051	17.22	0.053	17.19	0.052
20	QPSK	1	49	17.19	0.052	17.12	0.052	17.16	0.052
20	QPSK	1	99	16.98	0.050	17.09	0.051	17.15	0.052
20	QPSK	50	0	16.12	0.041	16.25	0.042	16.17	0.041
20	QPSK	50	24	16.22	0.042	16.21	0.042	16.17	0.041
20	QPSK	50	50	16.14	0.041	16.15	0.041	16.23	0.042
20	QPSK	100	0	16.14	0.041	16.11	0.041	16.17	0.041
20	16QAM	1	0	16.35	0.043	16.34	0.043	16.51	0.045
20	16QAM	1	49	16.49	0.045	16.15	0.041	16.16	0.041
20	16QAM	1	99	16.10	0.041	16.14	0.041	16.29	0.043
20	16QAM	50	0	16.24	0.042	16.19	0.042	16.29	0.043
20	16QAM	50	24	16.19	0.042	16.14	0.041	16.22	0.042
20	16QAM	50	50	16.30	0.043	16.34	0.043	16.34	0.043
20	16QAM	100	0	16.25	0.042	16.24	0.042	16.32	0.043
20	64QAM	1	0	16.47	0.044	16.53	0.045	16.10	0.041
20	64QAM	1	49	16.34	0.043	16.37	0.043	16.25	0.042
20	64QAM	1	99	16.23	0.042	16.08	0.041	16.06	0.040
20	64QAM	50	0	15.16	0.033	15.14	0.033	15.10	0.032
20	64QAM	50	24	15.17	0.033	15.18	0.033	15.14	0.033
20	64QAM	50	50	15.36	0.034	15.21	0.033	15.23	0.033
20	64QAM	100	0	15.22	0.033	15.11	0.032	15.18	0.033



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	17.04	0.051	17.16	0.052	17.02	0.050
15	QPSK	1	37	17.18	0.052	17.21	0.053	17.07	0.051
15	QPSK	1	74	17.13	0.052	16.97	0.050	17.15	0.052
15	QPSK	36	0	16.11	0.041	16.10	0.041	16.16	0.041
15	QPSK	36	20	16.21	0.042	16.20	0.042	16.16	0.041
15	QPSK	36	39	16.32	0.043	16.24	0.042	16.22	0.042
15	QPSK	75	0	16.13	0.041	16.10	0.041	16.16	0.041
15	16QAM	1	0	16.37	0.043	16.36	0.043	16.53	0.045
15	16QAM	1	37	16.51	0.045	16.17	0.041	16.18	0.041
15	16QAM	1	74	16.12	0.041	16.16	0.041	16.31	0.043
15	16QAM	36	0	16.26	0.042	16.11	0.041	16.11	0.041
15	16QAM	36	20	16.21	0.042	16.16	0.041	16.12	0.041
15	16QAM	36	39	16.32	0.043	16.15	0.041	16.33	0.043
15	16QAM	75	0	16.28	0.042	16.25	0.042	16.10	0.041
15	64QAM	1	0	16.44	0.044	16.54	0.045	16.11	0.041
15	64QAM	1	37	16.35	0.043	16.38	0.043	16.26	0.042
15	64QAM	1	74	16.24	0.042	16.09	0.041	16.07	0.040
15	64QAM	36	0	15.17	0.033	15.15	0.033	15.11	0.032
15	64QAM	36	20	15.18	0.033	15.19	0.033	15.15	0.033
15	64QAM	36	39	15.37	0.034	15.22	0.033	15.24	0.033
15	64QAM	75	0	15.23	0.033	15.12	0.033	15.19	0.033



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	17.00	0.050	17.12	0.052	16.98	0.050
10	QPSK	1	25	17.14	0.052	17.17	0.052	17.03	0.050
10	QPSK	1	49	17.09	0.051	16.93	0.049	17.11	0.051
10	QPSK	25	0	16.07	0.040	16.06	0.040	16.12	0.041
10	QPSK	25	12	16.17	0.041	16.16	0.041	16.12	0.041
10	QPSK	25	25	16.28	0.042	16.20	0.042	16.18	0.041
10	QPSK	50	0	16.09	0.041	16.06	0.040	16.12	0.041
10	16QAM	1	0	16.33	0.043	16.32	0.043	16.49	0.045
10	16QAM	1	25	16.47	0.044	16.13	0.041	16.14	0.041
10	16QAM	1	49	16.08	0.041	16.12	0.041	16.27	0.042
10	16QAM	25	0	16.22	0.042	16.27	0.042	16.17	0.041
10	16QAM	25	12	16.18	0.041	16.24	0.042	16.28	0.042
10	16QAM	25	25	16.28	0.042	16.21	0.042	16.26	0.042
10	16QAM	50	0	16.24	0.042	16.21	0.042	16.24	0.042
10	64QAM	1	0	16.44	0.044	16.50	0.045	16.11	0.041
10	64QAM	1	25	16.31	0.043	16.34	0.043	16.22	0.042
10	64QAM	1	49	16.20	0.042	16.05	0.040	16.03	0.040
10	64QAM	25	0	15.13	0.033	15.11	0.032	15.07	0.032
10	64QAM	25	12	15.14	0.033	15.15	0.033	15.11	0.032
10	64QAM	25	25	15.33	0.034	15.18	0.033	15.20	0.033
10	64QAM	50	0	15.19	0.033	15.08	0.032	15.15	0.033



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	17.02	0.050	17.14	0.052	17.00	0.050
5	QPSK	1	12	17.16	0.052	17.19	0.052	17.05	0.051
5	QPSK	1	24	17.11	0.051	16.95	0.050	17.13	0.052
5	QPSK	12	0	16.09	0.041	16.08	0.041	16.14	0.041
5	QPSK	12	7	16.19	0.042	16.18	0.041	16.14	0.041
5	QPSK	12	13	16.30	0.043	16.22	0.042	16.20	0.042
5	QPSK	25	0	16.11	0.041	16.08	0.041	16.14	0.041
5	16QAM	1	0	16.35	0.043	16.34	0.043	16.51	0.045
5	16QAM	1	12	16.49	0.045	16.15	0.041	16.16	0.041
5	16QAM	1	24	16.10	0.041	16.14	0.041	16.29	0.043
5	16QAM	12	0	16.24	0.042	16.24	0.042	16.19	0.042
5	16QAM	12	7	16.15	0.041	16.24	0.042	16.32	0.043
5	16QAM	12	13	16.30	0.043	16.34	0.043	16.22	0.042
5	16QAM	25	0	16.26	0.042	16.24	0.042	16.18	0.041
5	64QAM	1	0	16.46	0.044	16.52	0.045	16.16	0.041
5	64QAM	1	12	16.33	0.043	16.36	0.043	16.24	0.042
5	64QAM	1	24	16.22	0.042	16.07	0.040	16.05	0.040
5	64QAM	12	0	15.15	0.033	15.13	0.033	15.09	0.032
5	64QAM	12	7	15.16	0.033	15.17	0.033	15.13	0.033
5	64QAM	12	13	15.35	0.034	15.20	0.033	15.22	0.033
5	64QAM	25	0	15.21	0.033	15.10	0.032	15.17	0.033



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	17.03	0.050	17.15	0.052	17.01	0.050
3	QPSK	1	8	17.17	0.052	17.20	0.052	17.06	0.051
3	QPSK	1	14	17.12	0.052	16.96	0.050	17.14	0.052
3	QPSK	8	0	16.10	0.041	16.09	0.041	16.15	0.041
3	QPSK	8	4	16.20	0.042	16.19	0.042	16.15	0.041
3	QPSK	8	7	16.31	0.043	16.23	0.042	16.21	0.042
3	QPSK	15	0	16.12	0.041	16.09	0.041	16.15	0.041
3	16QAM	1	0	16.36	0.043	16.35	0.043	16.52	0.045
3	16QAM	1	8	16.50	0.045	16.16	0.041	16.17	0.041
3	16QAM	1	14	16.11	0.041	16.15	0.041	16.30	0.043
3	16QAM	8	0	16.25	0.042	16.24	0.042	16.22	0.042
3	16QAM	8	4	16.26	0.042	16.15	0.041	16.15	0.041
3	16QAM	8	7	16.31	0.043	16.15	0.041	16.24	0.042
3	16QAM	15	0	16.27	0.042	16.24	0.042	16.27	0.042
3	64QAM	1	0	16.47	0.044	16.53	0.045	16.10	0.041
3	64QAM	1	8	16.34	0.043	16.37	0.043	16.25	0.042
3	64QAM	1	14	16.23	0.042	16.08	0.041	16.06	0.040
3	64QAM	8	0	15.16	0.033	15.14	0.033	15.10	0.032
3	64QAM	8	4	15.17	0.033	15.18	0.033	15.14	0.033
3	64QAM	8	7	15.36	0.034	15.21	0.033	15.23	0.033
3	64QAM	15	0	15.22	0.033	15.11	0.032	15.18	0.033



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	17.05	0.051	17.17	0.052	17.03	0.050
1.4	QPSK	1	3	17.19	0.052	17.12	0.052	17.08	0.051
1.4	QPSK	1	5	17.14	0.052	16.98	0.050	17.16	0.052
1.4	QPSK	3	0	16.12	0.041	16.11	0.041	16.17	0.041
1.4	QPSK	3	1	16.22	0.042	16.21	0.042	16.17	0.041
1.4	QPSK	3	3	16.33	0.043	16.25	0.042	16.23	0.042
1.4	QPSK	6	0	16.14	0.041	16.11	0.041	16.17	0.041
1.4	16QAM	1	0	16.38	0.043	16.37	0.043	16.54	0.045
1.4	16QAM	1	3	16.52	0.045	16.18	0.041	16.19	0.042
1.4	16QAM	1	5	16.13	0.041	16.17	0.041	16.32	0.043
1.4	16QAM	3	0	16.27	0.042	16.22	0.042	16.32	0.043
1.4	16QAM	3	1	16.22	0.042	16.27	0.042	16.33	0.043
1.4	16QAM	3	3	16.33	0.043	16.37	0.043	16.21	0.042
1.4	16QAM	6	0	16.29	0.043	16.26	0.042	16.11	0.041
1.4	64QAM	1	0	16.49	0.045	16.55	0.045	16.12	0.041
1.4	64QAM	1	3	16.36	0.043	16.39	0.044	16.27	0.042
1.4	64QAM	1	5	16.25	0.042	16.10	0.041	16.08	0.041
1.4	64QAM	3	0	16.18	0.041	16.62	0.046	16.12	0.041
1.4	64QAM	3	1	16.19	0.042	16.14	0.041	16.16	0.041
1.4	64QAM	3	3	16.22	0.042	16.22	0.042	16.12	0.041
1.4	64QAM	6	0	15.35	0.034	15.24	0.033	15.52	0.036



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	19.49	0.089	19.55	0.090	19.51	0.089
20	QPSK	1	49	19.24	0.084	19.39	0.087	19.05	0.080
20	QPSK	1	99	19.20	0.083	19.29	0.085	19.18	0.083
20	QPSK	50	0	18.38	0.069	18.59	0.072	18.50	0.071
20	QPSK	50	24	18.54	0.071	18.42	0.070	18.38	0.069
20	QPSK	50	50	18.39	0.069	18.46	0.070	18.47	0.070
20	QPSK	100	0	18.37	0.069	18.41	0.069	18.30	0.068
20	16QAM	1	0	18.49	0.071	18.41	0.069	18.20	0.066
20	16QAM	1	49	18.72	0.074	18.38	0.069	18.37	0.069
20	16QAM	1	99	18.26	0.067	18.52	0.071	18.47	0.070
20	16QAM	50	0	18.29	0.067	18.30	0.068	18.30	0.068
20	16QAM	50	24	18.27	0.067	18.06	0.064	18.29	0.067
20	16QAM	50	50	18.11	0.065	18.28	0.067	18.28	0.067
20	16QAM	100	0	18.19	0.066	18.12	0.065	18.26	0.067
20	64QAM	1	0	18.58	0.072	18.46	0.070	18.37	0.069
20	64QAM	1	49	18.69	0.074	18.52	0.071	18.37	0.069
20	64QAM	1	99	18.61	0.073	18.19	0.066	18.52	0.071
20	64QAM	50	0	17.38	0.055	17.55	0.057	17.27	0.053
20	64QAM	50	24	17.33	0.054	17.51	0.056	17.27	0.053
20	64QAM	50	50	17.20	0.052	17.52	0.056	17.18	0.052
20	64QAM	100	0	17.41	0.055	17.47	0.056	17.28	0.053



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	19.46	0.088	19.42	0.087	19.52	0.090
15	QPSK	1	37	19.21	0.083	19.36	0.086	19.02	0.080
15	QPSK	1	74	19.17	0.083	19.26	0.084	19.15	0.082
15	QPSK	36	0	18.25	0.067	18.43	0.070	18.25	0.067
15	QPSK	36	20	18.31	0.068	18.39	0.069	18.12	0.065
15	QPSK	36	39	18.24	0.067	18.43	0.070	18.25	0.067
15	QPSK	75	0	18.34	0.068	18.38	0.069	18.29	0.067
15	16QAM	1	0	18.84	0.077	18.41	0.069	18.86	0.077
15	16QAM	1	37	18.62	0.073	18.66	0.073	18.67	0.074
15	16QAM	1	74	18.38	0.069	18.21	0.066	18.70	0.074
15	16QAM	36	0	18.27	0.067	18.09	0.064	18.27	0.067
15	16QAM	36	20	18.27	0.067	18.30	0.068	18.09	0.064
15	16QAM	36	39	18.00	0.063	18.21	0.066	18.06	0.064
15	16QAM	75	0	18.29	0.067	18.27	0.067	18.23	0.067
15	64QAM	1	0	18.10	0.065	18.21	0.066	18.10	0.065
15	64QAM	1	37	18.03	0.064	18.30	0.068	18.26	0.067
15	64QAM	1	74	18.22	0.066	17.99	0.063	18.19	0.066
15	64QAM	36	0	17.35	0.054	17.52	0.056	17.24	0.053
15	64QAM	36	20	17.30	0.054	17.48	0.056	17.24	0.053
15	64QAM	36	39	17.17	0.052	17.49	0.056	17.15	0.052
15	64QAM	75	0	17.38	0.055	17.44	0.055	17.25	0.053



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	19.44	0.088	19.40	0.087	19.50	0.089
10	QPSK	1	25	19.19	0.083	19.34	0.086	19.00	0.079
10	QPSK	1	49	19.15	0.082	19.24	0.084	19.13	0.082
10	QPSK	25	0	18.23	0.067	18.41	0.069	18.23	0.067
10	QPSK	25	12	18.29	0.067	18.37	0.069	18.10	0.065
10	QPSK	25	25	18.22	0.066	18.41	0.069	18.23	0.067
10	QPSK	50	0	18.32	0.068	17.36	0.054	18.27	0.067
10	16QAM	1	0	18.82	0.076	18.97	0.079	18.84	0.077
10	16QAM	1	25	18.60	0.072	18.82	0.076	18.65	0.073
10	16QAM	1	49	18.83	0.076	18.80	0.076	18.68	0.074
10	16QAM	25	0	17.32	0.054	17.51	0.056	17.25	0.053
10	16QAM	25	12	17.25	0.053	17.51	0.056	17.24	0.053
10	16QAM	25	25	17.34	0.054	17.46	0.056	17.23	0.053
10	16QAM	50	0	17.27	0.053	17.52	0.056	17.21	0.053
10	64QAM	1	0	18.53	0.071	17.41	0.055	18.71	0.074
10	64QAM	1	25	18.64	0.073	18.47	0.070	18.32	0.068
10	64QAM	1	49	18.56	0.072	18.87	0.077	18.47	0.070
10	64QAM	25	0	17.33	0.054	17.50	0.056	17.22	0.053
10	64QAM	25	12	17.28	0.053	17.46	0.056	17.22	0.053
10	64QAM	25	25	17.15	0.052	17.47	0.056	17.13	0.052
10	64QAM	50	0	17.36	0.054	17.42	0.055	17.23	0.053



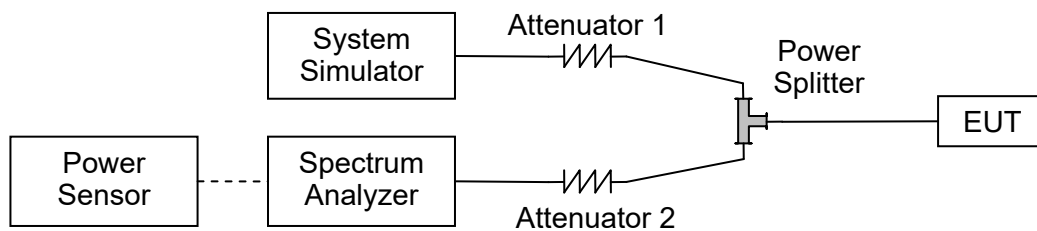
LTE Band 71				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133147		133297		133447	
Frequency (MHz)				665.5		680.5		695.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	19.41	0.087	19.37	0.086	19.47	0.089
5	QPSK	1	12	19.16	0.082	19.31	0.085	18.97	0.079
5	QPSK	1	24	19.12	0.082	19.21	0.083	19.10	0.081
5	QPSK	12	0	18.20	0.066	18.38	0.069	18.20	0.066
5	QPSK	12	7	18.26	0.067	18.34	0.068	18.07	0.064
5	QPSK	12	13	18.19	0.066	18.38	0.069	18.20	0.066
5	QPSK	25	0	18.29	0.067	17.33	0.054	18.24	0.067
5	16QAM	1	0	18.79	0.076	18.94	0.078	18.81	0.076
5	16QAM	1	12	18.57	0.072	18.79	0.076	18.62	0.073
5	16QAM	1	24	18.80	0.076	18.77	0.075	18.65	0.073
5	16QAM	12	0	18.29	0.067	18.21	0.066	18.22	0.066
5	16QAM	12	7	18.22	0.066	18.16	0.065	18.21	0.066
5	16QAM	12	13	18.31	0.068	18.27	0.067	18.06	0.064
5	16QAM	25	0	18.24	0.067	18.06	0.064	18.27	0.067
5	64QAM	1	0	18.25	0.067	18.20	0.066	18.06	0.064
5	64QAM	1	12	17.95	0.062	18.44	0.070	18.23	0.067
5	64QAM	1	24	18.03	0.064	18.13	0.065	18.44	0.070
5	64QAM	12	0	17.30	0.054	17.47	0.056	17.19	0.052
5	64QAM	12	7	17.25	0.053	17.43	0.055	17.19	0.052
5	64QAM	12	13	17.12	0.052	17.44	0.055	17.10	0.051
5	64QAM	25	0	17.33	0.054	17.39	0.055	17.20	0.052

2.2. Occupied Bandwidth

2.2.1. Requirement

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

2.2.2. Test Description



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

2.2.3. Test Procedure

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

2.2.4. Test Result



LTE Band 2				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.23
	Low	16QAM	1.10	1.24
	Low	64QAM	1.09	1.24
	Mid	QPSK	1.09	1.23
	Mid	16QAM	1.09	1.23
	Mid	64QAM	1.09	1.24
	High	QPSK	1.09	1.24
	High	16QAM	1.10	1.23
	High	64QAM	1.09	1.25
3	Low	QPSK	2.70	3.00
	Low	16QAM	2.71	3.01
	Low	64QAM	2.71	3.02
	Mid	QPSK	2.70	3.00
	Mid	16QAM	2.70	3.01
	Mid	64QAM	2.71	3.00
	High	QPSK	2.70	3.00
	High	16QAM	2.70	3.00
	High	64QAM	2.71	3.00
5	Low	QPSK	4.50	4.96
	Low	16QAM	4.51	4.96
	Low	64QAM	4.50	4.97
	Mid	QPSK	4.51	4.97
	Mid	16QAM	4.51	5.00
	Mid	64QAM	4.50	4.96
	High	QPSK	4.50	4.97
	High	16QAM	4.51	5.02
	High	64QAM	4.51	4.98
10	Low	QPSK	9.02	9.86
	Low	16QAM	8.97	9.74
	Low	64QAM	8.98	9.82
	Mid	QPSK	9.01	9.86
	Mid	16QAM	8.98	9.76
	Mid	64QAM	8.99	9.84
	High	QPSK	9.02	9.83
	High	16QAM	8.98	9.78
	High	64QAM	8.99	9.82



15	Low	QPSK	13.48	14.67
	Low	16QAM	13.47	14.69
	Low	64QAM	13.48	14.64
	Mid	QPSK	13.51	15.80
	Mid	16QAM	13.49	15.15
	Mid	64QAM	13.47	14.82
	High	QPSK	13.52	14.72
	High	16QAM	13.52	14.86
	High	64QAM	13.53	14.95
20	Low	QPSK	17.94	19.50
	Low	16QAM	18.00	19.59
	Low	64QAM	17.96	19.54
	Mid	QPSK	18.00	19.58
	Mid	16QAM	18.02	19.56
	Mid	64QAM	18.01	19.43
	High	QPSK	18.07	20.28
	High	16QAM	18.04	19.64
	High	64QAM	18.02	19.54



LTE Band 4				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.23
	Low	16QAM	1.10	1.24
	Low	64QAM	1.09	1.24
	Mid	QPSK	1.09	1.23
	Mid	16QAM	1.10	1.24
	Mid	64QAM	1.09	1.24
	High	QPSK	1.09	1.24
	High	16QAM	1.10	1.24
	High	64QAM	1.09	1.24
3	Low	QPSK	2.70	2.98
	Low	16QAM	2.70	3.02
	Low	64QAM	2.71	3.01
	Mid	QPSK	2.70	2.99
	Mid	16QAM	2.70	3.00
	Mid	64QAM	2.71	2.98
	High	QPSK	2.70	2.98
	High	16QAM	2.70	3.01
	High	64QAM	2.71	3.00
5	Low	QPSK	4.51	4.99
	Low	16QAM	4.51	5.00
	Low	64QAM	4.50	4.96
	Mid	QPSK	4.50	4.97
	Mid	16QAM	4.51	5.00
	Mid	64QAM	4.50	4.97
	High	QPSK	4.50	5.00
	High	16QAM	4.51	4.98
	High	64QAM	4.51	4.97
10	Low	QPSK	9.02	9.81
	Low	16QAM	8.99	9.73
	Low	64QAM	9.00	9.90
	Mid	QPSK	9.01	9.82
	Mid	16QAM	8.98	9.77
	Mid	64QAM	8.98	9.76
	High	QPSK	9.00	9.82
	High	16QAM	8.97	9.75
	High	64QAM	9.01	9.85



15	Low	QPSK	13.52	14.67
	Low	16QAM	13.49	14.70
	Low	64QAM	13.49	14.70
	Mid	QPSK	13.49	14.70
	Mid	16QAM	13.48	14.64
	Mid	64QAM	13.47	14.64
	High	QPSK	13.50	14.76
	High	16QAM	13.49	14.65
	High	64QAM	13.47	14.71
20	Low	QPSK	17.96	19.48
	Low	16QAM	17.97	19.42
	Low	64QAM	18.00	19.55
	Mid	QPSK	17.95	19.68
	Mid	16QAM	17.92	19.37
	Mid	64QAM	17.98	19.44
	High	QPSK	17.99	19.53
	High	16QAM	18.00	19.64
	High	64QAM	18.04	19.55



LTE Band 5				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.25
	Low	16QAM	1.10	1.24
	Low	64QAM	1.09	1.24
	Mid	QPSK	1.09	1.24
	Mid	16QAM	1.10	1.24
	Mid	64QAM	1.09	1.24
	High	QPSK	1.09	1.24
	High	16QAM	1.10	1.24
	High	64QAM	1.09	1.24
3	Low	QPSK	2.70	2.99
	Low	16QAM	2.70	3.00
	Low	64QAM	2.71	3.02
	Mid	QPSK	2.70	2.96
	Mid	16QAM	2.70	3.01
	Mid	64QAM	2.70	3.01
	High	QPSK	2.70	3.00
	High	16QAM	2.70	3.00
	High	64QAM	2.71	3.00
5	Low	QPSK	4.50	5.00
	Low	16QAM	4.51	4.96
	Low	64QAM	4.50	4.95
	Mid	QPSK	4.51	5.00
	Mid	16QAM	4.50	4.96
	Mid	64QAM	4.51	4.97
	High	QPSK	4.51	5.00
	High	16QAM	4.51	4.98
	High	64QAM	4.50	4.95
10	Low	QPSK	8.99	9.79
	Low	16QAM	8.97	9.75
	Low	64QAM	8.97	9.75
	Mid	QPSK	8.99	9.81
	Mid	16QAM	8.97	9.76
	Mid	64QAM	8.98	9.78
	High	QPSK	8.98	9.83
	High	16QAM	8.96	9.79
	High	64QAM	8.97	9.84



LTE Band 12				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.24
	Low	16QAM	1.10	1.24
	Low	64QAM	1.09	1.24
	Mid	QPSK	1.09	1.24
	Mid	16QAM	1.10	1.24
	Mid	64QAM	1.09	1.24
	High	QPSK	1.09	1.24
	High	16QAM	1.09	1.24
	High	64QAM	1.09	1.24
3	Low	QPSK	2.70	3.00
	Low	16QAM	2.70	3.01
	Low	64QAM	2.71	3.01
	Mid	QPSK	2.70	2.99
	Mid	16QAM	2.70	3.02
	Mid	64QAM	2.70	3.00
	High	QPSK	2.70	3.00
	High	16QAM	2.70	3.01
	High	64QAM	2.71	3.01
5	Low	QPSK	4.50	5.01
	Low	16QAM	4.50	4.95
	Low	64QAM	4.50	4.95
	Mid	QPSK	4.51	4.97
	Mid	16QAM	4.51	4.96
	Mid	64QAM	4.50	4.97
	High	QPSK	4.51	4.99
	High	16QAM	4.50	4.96
	High	64QAM	4.50	4.97
10	Low	QPSK	9.00	9.80
	Low	16QAM	8.96	9.78
	Low	64QAM	8.98	9.83
	Mid	QPSK	9.00	9.82
	Mid	16QAM	8.97	9.76
	Mid	64QAM	8.97	9.81
	High	QPSK	8.98	9.78
	High	16QAM	8.95	9.76
	High	64QAM	8.97	9.78



LTE Band 13				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.50	4.98
	Low	16QAM	4.49	4.99
	Low	64QAM	4.49	4.97
	Mid	QPSK	4.50	4.98
	Mid	16QAM	4.51	4.99
	Mid	64QAM	4.50	4.99
	High	QPSK	4.50	4.97
	High	16QAM	4.51	4.98
	High	64QAM	4.50	4.97
10	Mid	QPSK	8.96	9.78
	Mid	16QAM	8.96	9.74
	Mid	64QAM	8.98	9.78



LTE Band 17				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.50	4.97
	Low	16QAM	4.50	4.94
	Low	64QAM	4.50	4.95
	Mid	QPSK	4.50	5.01
	Mid	16QAM	4.50	4.98
	Mid	64QAM	4.50	4.94
	High	QPSK	4.50	4.97
	High	16QAM	4.50	4.97
	High	64QAM	4.50	4.95
10	Low	QPSK	8.98	9.78
	Low	16QAM	8.94	9.71
	Low	64QAM	8.97	9.76
	Mid	QPSK	8.98	9.82
	Mid	16QAM	8.96	9.76
	Mid	64QAM	8.97	9.78
	High	QPSK	8.98	9.77
	High	16QAM	8.95	9.74
	High	64QAM	8.97	9.76



LTE Band 25				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.26
	Low	16QAM	1.11	1.44
	Low	64QAM	1.10	1.50
	Mid	QPSK	1.09	1.25
	Mid	16QAM	1.10	1.24
	Mid	64QAM	1.09	1.25
	High	QPSK	1.10	1.24
	High	16QAM	1.10	1.24
	High	64QAM	1.09	1.25
3	Low	QPSK	2.71	3.03
	Low	16QAM	2.72	3.06
	Low	64QAM	2.72	3.32
	Mid	QPSK	2.70	3.03
	Mid	16QAM	2.71	3.02
	Mid	64QAM	2.71	3.01
	High	QPSK	2.70	3.01
	High	16QAM	2.71	3.00
	High	64QAM	2.71	3.00
5	Low	QPSK	4.52	4.98
	Low	16QAM	4.52	4.99
	Low	64QAM	4.51	5.02
	Mid	QPSK	4.50	5.01
	Mid	16QAM	4.51	4.96
	Mid	64QAM	4.50	4.97
	High	QPSK	4.51	5.02
	High	16QAM	4.51	4.98
	High	64QAM	4.50	4.95
10	Low	QPSK	8.99	9.83
	Low	16QAM	8.97	9.76
	Low	64QAM	8.99	9.77
	Mid	QPSK	9.02	9.87
	Mid	16QAM	8.97	9.75
	Mid	64QAM	8.99	9.83
	High	QPSK	9.00	9.83
	High	16QAM	8.97	9.75
	High	64QAM	8.98	9.87



15	Low	QPSK	13.44	16.83
	Low	16QAM	13.45	18.35
	Low	64QAM	13.45	16.7
	Mid	QPSK	13.49	14.64
	Mid	16QAM	13.49	14.67
	Mid	64QAM	13.50	14.69
	High	QPSK	13.48	14.68
	High	16QAM	13.48	14.69
	High	64QAM	13.49	14.79
20	Low	QPSK	17.96	19.45
	Low	16QAM	17.99	19.62
	Low	64QAM	17.96	19.42
	Mid	QPSK	17.98	19.47
	Mid	16QAM	18.01	19.54
	Mid	64QAM	17.98	19.41
	High	QPSK	18.04	22.38
	High	16QAM	18.02	19.64
	High	64QAM	17.98	19.5



LTE Band 26				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.24
	Low	16QAM	1.09	1.24
	Low	64QAM	1.09	1.24
	Mid	QPSK	1.09	1.24
	Mid	16QAM	1.09	1.22
	Mid	64QAM	1.09	1.24
	High	QPSK	1.09	1.23
	High	16QAM	1.09	1.24
	High	64QAM	1.09	1.24
3	Low	QPSK	2.69	2.99
	Low	16QAM	2.70	3.01
	Low	64QAM	2.70	3.02
	Mid	QPSK	2.71	3.04
	Mid	16QAM	2.70	3.00
	Mid	64QAM	2.70	3.01
	High	QPSK	2.69	3.00
	High	16QAM	2.70	3.01
	High	64QAM	2.70	3.02
5	Low	QPSK	4.49	4.99
	Low	16QAM	4.50	4.97
	Low	64QAM	4.49	4.95
	Mid	QPSK	4.50	4.99
	Mid	16QAM	4.50	4.99
	Mid	64QAM	4.49	4.97
	High	QPSK	4.50	5.00
	High	16QAM	4.50	4.99
	High	64QAM	4.50	4.96
10	Low	QPSK	8.94	9.56
	Low	16QAM	8.91	9.57
	Low	64QAM	8.93	9.65
	Mid	QPSK	8.93	9.58
	Mid	16QAM	8.91	9.54
	Mid	64QAM	8.93	9.70
	High	QPSK	8.93	9.60
	High	16QAM	8.90	9.56
	High	64QAM	8.93	9.69



15	Low	QPSK	13.39	14.62
	Low	16QAM	13.38	14.22
	Low	64QAM	13.40	14.45
	Mid	QPSK	13.42	15.52
	Mid	16QAM	13.39	14.56
	Mid	64QAM	13.40	14.83
	High	QPSK	13.41	14.43
	High	16QAM	13.38	14.34
	High	64QAM	13.39	14.62



LTE Band 41				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.51	5.15
	Low	16QAM	4.51	5.34
	Low	64QAM	4.50	5.27
	Mid	QPSK	4.51	5.06
	Mid	16QAM	4.51	5.30
	Mid	64QAM	4.50	5.25
	High	QPSK	4.51	5.05
	High	16QAM	4.51	5.05
	High	64QAM	4.50	5.20
10	Low	QPSK	8.99	9.80
	Low	16QAM	8.96	9.82
	Low	64QAM	8.98	9.76
	Mid	QPSK	9.02	10.39
	Mid	16QAM	8.97	9.70
	Mid	64QAM	8.98	9.76
	High	QPSK	8.98	10.05
	High	16QAM	8.97	9.66
	High	64QAM	8.97	9.77
15	Low	QPSK	13.50	15.28
	Low	16QAM	13.49	16.72
	Low	64QAM	13.48	14.80
	Mid	QPSK	13.54	15.25
	Mid	16QAM	13.54	17.64
	Mid	64QAM	13.52	16.19
	High	QPSK	13.47	15.74
	High	16QAM	13.49	15.72
	High	64QAM	13.52	16.87
20	Low	QPSK	18.00	20.52
	Low	16QAM	18.01	23.73
	Low	64QAM	17.97	20.85
	Mid	QPSK	17.97	22.74
	Mid	16QAM	18.00	23.42
	Mid	64QAM	17.98	22.09
	High	QPSK	17.94	19.69
	High	16QAM	17.99	21.06
	High	64QAM	17.99	23.32



LTE Band 66				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.23
	Low	16QAM	1.10	1.23
	Low	64QAM	1.09	1.23
	Mid	QPSK	1.09	1.24
	Mid	16QAM	1.09	1.23
	Mid	64QAM	1.09	1.23
	High	QPSK	1.09	1.24
	High	16QAM	1.10	1.23
	High	64QAM	1.09	1.23
3	Low	QPSK	2.69	2.98
	Low	16QAM	2.70	2.99
	Low	64QAM	2.70	2.97
	Mid	QPSK	2.70	3.00
	Mid	16QAM	2.70	3.00
	Mid	64QAM	2.70	2.99
	High	QPSK	2.70	2.98
	High	16QAM	2.69	3.00
	High	64QAM	2.69	2.98
5	Low	QPSK	4.50	4.94
	Low	16QAM	4.51	4.97
	Low	64QAM	4.51	4.98
	Mid	QPSK	4.49	4.96
	Mid	16QAM	4.50	4.94
	Mid	64QAM	4.51	4.94
	High	QPSK	4.50	4.98
	High	16QAM	4.50	4.97
	High	64QAM	4.51	4.95
10	Low	QPSK	8.99	9.74
	Low	16QAM	8.98	9.70
	Low	64QAM	8.99	9.80
	Mid	QPSK	9.03	9.83
	Mid	16QAM	8.97	9.77
	Mid	64QAM	8.99	9.78
	High	QPSK	9.03	9.76
	High	16QAM	8.97	9.76
	High	64QAM	9.00	9.80



LTE Band 17				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23755		23790		23825	
Frequency (MHz)				706.5		710		713.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	19.72	0.094	19.75	0.094	19.81	0.096
5	QPSK	1	12	19.66	0.092	19.83	0.096	19.67	0.093
5	QPSK	1	24	19.71	0.094	19.59	0.091	19.67	0.093
5	QPSK	12	0	18.88	0.077	18.82	0.076	18.90	0.078
5	QPSK	12	7	18.89	0.077	18.79	0.076	18.82	0.076
5	QPSK	12	13	18.82	0.076	18.83	0.076	18.80	0.076
5	QPSK	25	0	18.90	0.078	18.84	0.077	18.77	0.075
5	16QAM	1	0	18.89	0.077	18.90	0.078	18.90	0.078
5	16QAM	1	12	18.73	0.075	18.91	0.078	18.99	0.079
5	16QAM	1	24	18.77	0.075	19.00	0.079	18.97	0.079
5	16QAM	12	0	18.71	0.074	18.78	0.076	18.74	0.075
5	16QAM	12	7	18.84	0.077	18.69	0.074	18.84	0.077
5	16QAM	12	13	18.49	0.071	18.84	0.077	18.78	0.076
5	16QAM	25	0	18.74	0.075	18.72	0.074	18.72	0.074
5	64QAM	1	0	18.39	0.069	17.96	0.063	18.20	0.066
5	64QAM	1	12	18.00	0.063	17.95	0.062	18.11	0.065
5	64QAM	1	24	18.09	0.064	18.19	0.066	18.09	0.064
5	64QAM	12	0	18.09	0.064	18.11	0.065	18.58	0.072
5	64QAM	12	7	18.08	0.064	18.19	0.066	18.19	0.066
5	64QAM	12	13	18.09	0.064	18.38	0.069	18.10	0.065
5	64QAM	25	0	18.19	0.066	18.30	0.068	18.46	0.070



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	22.05	0.160	22.13	0.163	21.96	0.157
20	QPSK	1	49	21.72	0.149	21.71	0.148	21.72	0.149
20	QPSK	1	99	21.85	0.153	21.76	0.150	21.96	0.157
20	QPSK	50	0	20.92	0.124	20.92	0.124	20.86	0.122
20	QPSK	50	24	20.72	0.118	20.90	0.123	20.76	0.119
20	QPSK	50	50	20.88	0.122	20.89	0.123	20.75	0.119
20	QPSK	100	0	20.76	0.119	20.72	0.118	20.72	0.118
20	16QAM	1	0	20.86	0.122	20.76	0.119	20.62	0.115
20	16QAM	1	49	20.79	0.120	20.94	0.124	20.84	0.121
20	16QAM	1	99	20.81	0.121	20.77	0.119	20.86	0.122
20	16QAM	50	0	19.93	0.098	19.83	0.096	20.15	0.104
20	16QAM	50	24	19.80	0.095	19.92	0.098	20.14	0.103
20	16QAM	50	50	19.94	0.099	19.81	0.096	20.11	0.103
20	16QAM	100	0	19.78	0.095	19.88	0.097	20.01	0.100
20	64QAM	1	0	19.87	0.097	19.91	0.098	19.89	0.097
20	64QAM	1	49	19.94	0.099	19.98	0.100	19.89	0.097
20	64QAM	1	99	19.84	0.096	19.76	0.095	19.72	0.094
20	64QAM	50	0	19.93	0.098	19.88	0.097	19.89	0.097
20	64QAM	50	24	19.75	0.094	19.84	0.096	19.84	0.096
20	64QAM	50	50	19.94	0.099	19.75	0.094	20.24	0.106
20	64QAM	100	0	19.86	0.097	19.84	0.096	20.04	0.101



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	21.77	0.150	21.53	0.142	21.81	0.152
15	QPSK	1	37	21.76	0.150	21.67	0.147	21.49	0.141
15	QPSK	1	74	21.72	0.149	21.68	0.147	21.73	0.149
15	QPSK	36	0	20.84	0.121	20.79	0.120	20.71	0.118
15	QPSK	36	20	20.90	0.123	20.86	0.122	20.84	0.121
15	QPSK	36	39	20.60	0.115	20.88	0.122	20.81	0.121
15	QPSK	75	0	20.87	0.122	20.82	0.121	21.11	0.129
15	16QAM	1	0	20.98	0.125	20.91	0.123	20.75	0.119
15	16QAM	1	37	20.72	0.118	20.82	0.121	21.05	0.127
15	16QAM	1	74	20.70	0.117	20.81	0.121	20.94	0.124
15	16QAM	36	0	20.47	0.111	19.83	0.096	20.15	0.104
15	16QAM	36	20	20.22	0.105	19.91	0.098	20.24	0.106
15	16QAM	36	39	20.26	0.106	20.08	0.102	20.17	0.104
15	16QAM	75	0	20.14	0.103	19.85	0.097	20.22	0.105
15	64QAM	1	0	20.23	0.105	20.14	0.103	20.11	0.103
15	64QAM	1	37	19.87	0.097	20.21	0.105	20.53	0.113
15	64QAM	1	74	20.14	0.103	20.13	0.103	20.28	0.107
15	64QAM	36	0	20.23	0.105	20.14	0.103	20.33	0.108
15	64QAM	36	20	20.05	0.101	20.02	0.100	20.22	0.105
15	64QAM	36	39	20.17	0.104	19.90	0.098	20.26	0.106
15	64QAM	75	0	20.22	0.105	19.83	0.096	20.14	0.103



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	21.71	0.148	21.75	0.150	21.72	0.149
10	QPSK	1	25	21.93	0.156	21.89	0.155	21.69	0.148
10	QPSK	1	49	21.65	0.146	21.93	0.156	21.64	0.146
10	QPSK	25	0	20.99	0.126	20.89	0.123	21.14	0.130
10	QPSK	25	12	21.07	0.128	20.98	0.125	21.15	0.130
10	QPSK	25	25	20.99	0.126	20.94	0.124	20.81	0.121
10	QPSK	50	0	21.05	0.127	20.97	0.125	20.97	0.125
10	16QAM	1	0	20.75	0.119	20.67	0.117	20.72	0.118
10	16QAM	1	25	21.02	0.126	20.84	0.121	20.76	0.119
10	16QAM	1	49	21.29	0.135	21.34	0.136	21.11	0.129
10	16QAM	25	0	20.10	0.102	19.90	0.098	20.02	0.100
10	16QAM	25	12	20.05	0.101	20.00	0.100	19.86	0.097
10	16QAM	25	25	20.06	0.101	19.97	0.099	19.94	0.099
10	16QAM	50	0	20.00	0.100	19.94	0.099	19.95	0.099
10	64QAM	1	0	20.06	0.101	20.05	0.101	20.11	0.103
10	64QAM	1	25	19.94	0.099	19.98	0.100	19.85	0.097
10	64QAM	1	49	20.11	0.103	20.16	0.104	19.94	0.099
10	64QAM	25	0	19.96	0.099	19.97	0.099	19.94	0.099
10	64QAM	25	12	20.03	0.101	19.99	0.100	19.86	0.097
10	64QAM	25	25	20.06	0.101	19.93	0.098	20.11	0.103
10	64QAM	50	0	20.01	0.100	19.97	0.099	20.21	0.105



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	21.99	0.158	21.90	0.155	21.75	0.150
5	QPSK	1	12	22.09	0.162	21.83	0.152	21.72	0.149
5	QPSK	1	24	21.99	0.158	21.75	0.150	21.71	0.148
5	QPSK	12	0	20.97	0.125	20.97	0.125	20.94	0.124
5	QPSK	12	7	20.98	0.125	20.96	0.125	21.11	0.129
5	QPSK	12	13	21.04	0.127	20.96	0.125	20.84	0.121
5	QPSK	25	0	21.01	0.126	20.98	0.125	21.02	0.126
5	16QAM	1	0	21.12	0.129	20.88	0.122	20.81	0.121
5	16QAM	1	12	20.96	0.125	21.03	0.127	20.82	0.121
5	16QAM	1	24	21.01	0.126	21.08	0.128	20.81	0.121
5	16QAM	12	0	19.96	0.099	20.04	0.101	20.02	0.100
5	16QAM	12	7	20.11	0.103	20.05	0.101	19.82	0.096
5	16QAM	12	13	20.05	0.101	19.95	0.099	19.85	0.097
5	16QAM	25	0	20.06	0.101	20.06	0.101	19.75	0.094
5	64QAM	1	0	20.24	0.106	19.84	0.096	20.27	0.106
5	64QAM	1	12	19.95	0.099	20.15	0.104	19.76	0.095
5	64QAM	1	24	19.96	0.099	19.88	0.097	19.94	0.099
5	64QAM	12	0	19.90	0.098	19.82	0.096	19.81	0.096
5	64QAM	12	7	20.06	0.101	19.96	0.099	19.86	0.097
5	64QAM	12	13	19.99	0.100	19.97	0.099	19.78	0.095
5	64QAM	25	0	19.88	0.097	19.95	0.099	19.77	0.095



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	21.99	0.158	21.88	0.154	21.85	0.153
3	QPSK	1	8	22.08	0.161	21.95	0.157	21.75	0.150
3	QPSK	1	14	21.72	0.149	22.02	0.159	21.72	0.149
3	QPSK	8	0	21.01	0.126	20.94	0.124	20.88	0.122
3	QPSK	8	4	20.99	0.126	20.93	0.124	20.74	0.119
3	QPSK	8	7	21.02	0.126	20.89	0.123	20.82	0.121
3	QPSK	15	0	21.04	0.127	20.93	0.124	20.74	0.119
3	16QAM	1	0	21.04	0.127	21.39	0.138	21.14	0.130
3	16QAM	1	8	21.18	0.131	21.39	0.138	21.14	0.130
3	16QAM	1	14	20.94	0.124	21.26	0.134	21.21	0.132
3	16QAM	8	0	19.93	0.098	19.92	0.098	19.81	0.096
3	16QAM	8	4	20.01	0.100	19.95	0.099	19.95	0.099
3	16QAM	8	7	20.00	0.100	19.94	0.099	19.84	0.096
3	16QAM	15	0	19.96	0.099	19.95	0.099	20.15	0.104
3	64QAM	1	0	20.02	0.100	20.02	0.100	20.22	0.105
3	64QAM	1	8	20.11	0.103	19.94	0.099	20.02	0.100
3	64QAM	1	14	19.96	0.099	20.22	0.105	19.85	0.097
3	64QAM	8	0	20.11	0.103	19.92	0.098	19.94	0.099
3	64QAM	8	4	19.99	0.100	19.90	0.098	19.82	0.096
3	64QAM	8	7	19.90	0.098	19.91	0.098	20.11	0.103
3	64QAM	15	0	19.90	0.098	19.97	0.099	19.94	0.099



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	21.71	0.148	21.69	0.148	21.82	0.152
1.4	QPSK	1	3	21.69	0.148	21.84	0.153	21.82	0.152
1.4	QPSK	1	5	21.60	0.145	21.74	0.149	21.72	0.149
1.4	QPSK	3	0	21.69	0.148	21.74	0.149	21.62	0.145
1.4	QPSK	3	1	21.80	0.151	21.88	0.154	21.75	0.150
1.4	QPSK	3	3	21.81	0.152	21.77	0.150	21.82	0.152
1.4	QPSK	6	0	20.90	0.123	20.84	0.121	21.12	0.129
1.4	16QAM	1	0	21.18	0.131	21.15	0.130	20.75	0.119
1.4	16QAM	1	3	21.21	0.132	21.01	0.126	20.85	0.122
1.4	16QAM	1	5	20.79	0.120	20.93	0.124	20.88	0.122
1.4	16QAM	3	0	20.88	0.122	20.68	0.117	21.11	0.129
1.4	16QAM	3	1	20.83	0.121	20.80	0.120	21.04	0.127
1.4	16QAM	3	3	20.79	0.120	20.75	0.119	20.75	0.119
1.4	16QAM	6	0	19.78	0.095	19.80	0.095	20.22	0.105
1.4	64QAM	1	0	20.15	0.104	19.94	0.099	20.13	0.103
1.4	64QAM	1	3	20.06	0.101	20.11	0.103	19.99	0.100
1.4	64QAM	1	5	19.94	0.099	19.94	0.099	19.84	0.096
1.4	64QAM	3	0	19.89	0.097	19.85	0.097	19.94	0.099
1.4	64QAM	3	1	19.94	0.099	19.79	0.095	20.06	0.101
1.4	64QAM	3	3	20.21	0.105	19.80	0.095	20.11	0.103
1.4	64QAM	6	0	20.21	0.105	19.81	0.096	20.21	0.105



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	19.80	0.095	20.09	0.102	19.83	0.096
15	QPSK	1	37	19.49	0.089	19.75	0.094	19.69	0.093
15	QPSK	1	74	19.52	0.090	19.78	0.095	19.69	0.093
15	QPSK	36	0	19.01	0.080	19.27	0.085	19.12	0.082
15	QPSK	36	20	18.86	0.077	19.12	0.082	19.20	0.083
15	QPSK	36	39	18.68	0.074	18.94	0.078	19.03	0.080
15	QPSK	75	0	18.67	0.074	18.93	0.078	19.13	0.082
15	16QAM	1	0	18.71	0.074	18.97	0.079	18.86	0.077
15	16QAM	1	37	18.60	0.072	18.86	0.077	18.97	0.079
15	16QAM	1	74	18.74	0.075	19.00	0.079	18.93	0.078
15	16QAM	36	0	18.17	0.066	18.43	0.070	18.47	0.070
15	16QAM	36	20	18.21	0.066	18.47	0.070	18.33	0.068
15	16QAM	36	39	18.21	0.066	18.47	0.070	18.24	0.067
15	16QAM	75	0	18.14	0.065	18.40	0.069	18.46	0.070
15	64QAM	1	0	17.98	0.063	18.24	0.067	18.38	0.069
15	64QAM	1	37	18.20	0.066	18.46	0.070	18.40	0.069
15	64QAM	1	74	18.14	0.065	18.40	0.069	18.19	0.066
15	64QAM	36	0	17.83	0.061	18.09	0.064	18.30	0.068
15	64QAM	36	20	18.23	0.067	18.49	0.071	18.21	0.066
15	64QAM	36	39	18.25	0.067	18.51	0.071	18.13	0.065
15	64QAM	75	0	18.14	0.065	18.40	0.069	18.24	0.067



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	19.76	0.095	19.73	0.094	19.99	0.100
10	QPSK	1	25	19.58	0.091	19.57	0.091	19.83	0.096
10	QPSK	1	49	19.80	0.095	19.77	0.095	20.03	0.101
10	QPSK	25	0	18.78	0.076	18.72	0.074	18.98	0.079
10	QPSK	25	12	18.76	0.075	18.76	0.075	19.02	0.080
10	QPSK	25	25	18.79	0.076	18.79	0.076	19.05	0.080
10	QPSK	50	0	18.78	0.076	18.78	0.076	19.04	0.080
10	16QAM	1	0	18.65	0.073	18.65	0.073	18.91	0.078
10	16QAM	1	25	18.90	0.078	18.90	0.078	19.16	0.082
10	16QAM	1	49	19.09	0.081	19.09	0.081	19.35	0.086
10	16QAM	25	0	17.83	0.061	17.83	0.061	18.09	0.064
10	16QAM	25	12	17.80	0.060	17.78	0.060	18.04	0.064
10	16QAM	25	25	17.89	0.062	17.89	0.062	18.15	0.065
10	16QAM	50	0	17.72	0.059	17.72	0.059	17.98	0.063
10	64QAM	1	0	17.97	0.063	17.97	0.063	18.23	0.067
10	64QAM	1	25	17.88	0.061	17.88	0.061	18.14	0.065
10	64QAM	1	49	17.97	0.063	17.93	0.062	18.19	0.066
10	64QAM	25	0	17.91	0.062	17.87	0.061	18.13	0.065
10	64QAM	25	12	17.93	0.062	17.93	0.062	18.19	0.066
10	64QAM	25	25	17.80	0.060	17.77	0.060	18.03	0.064
10	64QAM	50	0	17.92	0.062	17.88	0.061	18.14	0.065



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	19.80	0.095	19.75	0.094	20.01	0.100
5	QPSK	1	12	19.79	0.095	19.74	0.094	20.00	0.100
5	QPSK	1	24	19.59	0.091	19.54	0.090	19.80	0.095
5	QPSK	12	0	18.73	0.075	18.68	0.074	18.94	0.078
5	QPSK	12	7	18.78	0.076	18.73	0.075	18.99	0.079
5	QPSK	12	13	18.72	0.074	18.67	0.074	18.93	0.078
5	QPSK	25	0	18.73	0.075	18.68	0.074	18.94	0.078
5	16QAM	1	0	19.04	0.080	18.99	0.079	19.25	0.084
5	16QAM	1	12	18.90	0.078	18.85	0.077	19.11	0.081
5	16QAM	1	24	18.86	0.077	18.81	0.076	19.07	0.081
5	16QAM	12	0	17.91	0.062	17.86	0.061	18.12	0.065
5	16QAM	12	7	17.89	0.062	17.84	0.061	18.10	0.065
5	16QAM	12	13	17.64	0.058	17.59	0.057	17.85	0.061
5	16QAM	25	0	17.66	0.058	17.61	0.058	17.87	0.061
5	64QAM	1	0	18.07	0.064	18.02	0.063	18.28	0.067
5	64QAM	1	12	17.95	0.062	17.90	0.062	18.16	0.065
5	64QAM	1	24	17.98	0.063	17.93	0.062	18.19	0.066
5	64QAM	12	0	17.77	0.060	17.72	0.059	17.98	0.063
5	64QAM	12	7	17.93	0.062	17.88	0.061	18.14	0.065
5	64QAM	12	13	17.78	0.060	17.73	0.059	17.99	0.063
5	64QAM	25	0	17.75	0.060	17.70	0.059	17.96	0.063



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	19.78	0.095	19.73	0.094	19.99	0.100
3	QPSK	1	8	19.72	0.094	19.67	0.093	19.93	0.098
3	QPSK	1	14	19.62	0.092	19.57	0.091	19.83	0.096
3	QPSK	8	0	18.77	0.075	18.72	0.074	18.98	0.079
3	QPSK	8	4	18.75	0.075	18.70	0.074	18.96	0.079
3	QPSK	8	7	18.67	0.074	18.62	0.073	18.88	0.077
3	QPSK	15	0	18.75	0.075	18.70	0.074	18.96	0.079
3	16QAM	1	0	18.92	0.078	18.87	0.077	19.13	0.082
3	16QAM	1	8	18.89	0.077	18.84	0.077	19.10	0.081
3	16QAM	1	14	18.78	0.076	18.73	0.075	18.99	0.079
3	16QAM	8	0	17.82	0.061	17.77	0.060	18.03	0.064
3	16QAM	8	4	17.83	0.061	17.78	0.060	18.04	0.064
3	16QAM	8	7	17.79	0.060	17.74	0.059	18.00	0.063
3	16QAM	15	0	17.78	0.060	17.73	0.059	17.99	0.063
3	64QAM	1	0	17.84	0.061	17.79	0.060	18.05	0.064
3	64QAM	1	8	17.98	0.063	17.93	0.062	18.19	0.066
3	64QAM	1	14	17.95	0.062	17.90	0.062	18.16	0.065
3	64QAM	8	0	17.99	0.063	17.94	0.062	18.20	0.066
3	64QAM	8	4	17.85	0.061	17.80	0.060	18.06	0.064
3	64QAM	8	7	17.70	0.059	17.65	0.058	17.91	0.062
3	64QAM	15	0	17.86	0.061	17.81	0.060	18.07	0.064



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	19.58	0.091	19.51	0.089	19.77	0.095
1.4	QPSK	1	3	19.56	0.090	19.56	0.090	19.82	0.096
1.4	QPSK	1	5	19.46	0.088	19.46	0.088	19.72	0.094
1.4	QPSK	3	0	19.70	0.093	19.59	0.091	19.85	0.097
1.4	QPSK	3	1	19.56	0.090	19.55	0.090	19.81	0.096
1.4	QPSK	3	3	19.63	0.092	19.63	0.092	19.89	0.097
1.4	QPSK	6	0	18.64	0.073	18.64	0.073	18.90	0.078
1.4	16QAM	1	0	19.07	0.081	19.07	0.081	19.33	0.086
1.4	16QAM	1	3	19.12	0.082	19.12	0.082	19.38	0.087
1.4	16QAM	1	5	19.14	0.082	19.14	0.082	19.40	0.087
1.4	16QAM	3	0	18.70	0.074	18.70	0.074	18.96	0.079
1.4	16QAM	3	1	18.61	0.073	18.61	0.073	18.87	0.077
1.4	16QAM	3	3	18.71	0.074	18.71	0.074	18.97	0.079
1.4	16QAM	6	0	17.70	0.059	17.68	0.059	17.94	0.062
1.4	64QAM	1	0	18.25	0.067	18.25	0.067	18.51	0.071
1.4	64QAM	1	3	18.01	0.063	18.01	0.063	18.27	0.067
1.4	64QAM	1	5	18.22	0.066	18.19	0.066	18.45	0.070
1.4	64QAM	3	0	18.09	0.064	18.09	0.064	18.35	0.068
1.4	64QAM	3	1	18.04	0.064	17.99	0.063	18.25	0.067
1.4	64QAM	3	3	18.14	0.065	18.10	0.065	18.36	0.069
1.4	64QAM	6	0	17.86	0.061	17.83	0.061	18.09	0.064



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	25.06	0.321	25.14	0.327	24.92	0.310
20	QPSK	1	49	25.07	0.321	24.9	0.309	24.93	0.311
20	QPSK	1	99	24.95	0.313	24.96	0.313	24.78	0.301
20	QPSK	50	0	24.28	0.268	24.34	0.272	24.13	0.259
20	QPSK	50	24	24.13	0.259	24.32	0.270	24.14	0.259
20	QPSK	50	50	24.23	0.265	24.21	0.264	24.11	0.258
20	QPSK	100	0	24.33	0.271	24.21	0.264	24.13	0.259
20	16QAM	1	0	24.42	0.277	24.45	0.279	24.34	0.272
20	16QAM	1	49	24.21	0.264	24.39	0.275	24.23	0.265
20	16QAM	1	99	24.31	0.270	24.32	0.270	24.17	0.261
20	16QAM	50	0	23.55	0.226	23.55	0.226	23.51	0.224
20	16QAM	50	24	23.62	0.230	23.36	0.217	23.52	0.225
20	16QAM	50	50	23.52	0.225	23.3	0.214	23.51	0.224
20	16QAM	100	0	23.59	0.229	23.23	0.210	23.35	0.216
20	64QAM	1	0	23.28	0.213	23.35	0.216	23.16	0.207
20	64QAM	1	49	23.30	0.214	23.16	0.207	23.34	0.216
20	64QAM	1	99	23.42	0.220	23.24	0.211	23.55	0.226
20	64QAM	50	0	23.35	0.216	23.19	0.208	23.13	0.206
20	64QAM	50	24	23.28	0.213	23.21	0.209	23.19	0.208
20	64QAM	50	50	23.16	0.207	23.12	0.205	23.08	0.203
20	64QAM	100	0	23.30	0.214	23.30	0.214	23.26	0.212



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	25.09	0.323	25.13	0.326	25.05	0.320
15	QPSK	1	37	25.01	0.317	25.07	0.321	24.92	0.310
15	QPSK	1	74	25.09	0.323	25.10	0.324	24.86	0.306
15	QPSK	36	0	24.26	0.267	24.30	0.269	24.16	0.261
15	QPSK	36	20	24.28	0.268	24.25	0.266	24.13	0.259
15	QPSK	36	39	24.23	0.265	24.18	0.262	24.04	0.254
15	QPSK	75	0	24.23	0.265	24.31	0.270	24.14	0.259
15	16QAM	1	0	24.33	0.271	24.49	0.281	24.63	0.290
15	16QAM	1	37	24.50	0.282	24.31	0.270	24.15	0.260
15	16QAM	1	74	24.33	0.271	24.37	0.274	24.22	0.264
15	16QAM	36	0	23.31	0.214	23.27	0.212	23.15	0.207
15	16QAM	36	20	23.21	0.209	23.27	0.212	23.12	0.205
15	16QAM	36	39	23.27	0.212	23.19	0.208	23.05	0.202
15	16QAM	75	0	23.36	0.217	23.31	0.214	23.17	0.207
15	64QAM	1	0	23.36	0.217	23.55	0.226	23.34	0.216
15	64QAM	1	37	23.35	0.216	23.18	0.208	23.34	0.216
15	64QAM	1	74	23.33	0.215	23.42	0.220	23.51	0.224
15	64QAM	36	0	23.33	0.215	23.26	0.212	23.18	0.208
15	64QAM	36	20	23.25	0.211	23.3	0.214	23.15	0.207
15	64QAM	36	39	23.26	0.212	23.25	0.211	23.17	0.207
15	64QAM	75	0	23.28	0.213	23.22	0.210	23.16	0.207



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	25.43	0.349	25.44	0.350	25.02	0.318
10	QPSK	1	25	25.33	0.341	25.29	0.338	25.08	0.322
10	QPSK	1	49	25.08	0.322	25.38	0.345	24.96	0.313
10	QPSK	25	0	24.43	0.277	24.42	0.277	24.36	0.273
10	QPSK	25	12	24.51	0.282	24.45	0.279	24.29	0.269
10	QPSK	25	25	24.43	0.277	24.46	0.279	24.28	0.268
10	QPSK	50	0	24.47	0.280	24.35	0.272	24.26	0.267
10	16QAM	1	0	24.70	0.295	24.57	0.286	24.49	0.281
10	16QAM	1	25	24.62	0.290	24.60	0.288	24.41	0.276
10	16QAM	1	49	24.60	0.288	24.54	0.284	24.37	0.274
10	16QAM	25	0	23.55	0.226	23.42	0.220	23.35	0.216
10	16QAM	25	12	23.57	0.228	23.53	0.225	23.34	0.216
10	16QAM	25	25	23.46	0.222	23.44	0.221	23.42	0.220
10	16QAM	50	0	23.47	0.222	23.51	0.224	23.29	0.213
10	64QAM	1	0	24.51	0.282	24.47	0.280	24.26	0.267
10	64QAM	1	25	24.32	0.270	24.53	0.284	24.27	0.267
10	64QAM	1	49	24.36	0.273	24.45	0.279	24.34	0.272
10	64QAM	25	0	23.50	0.224	23.36	0.217	23.30	0.214
10	64QAM	25	12	23.49	0.223	23.46	0.222	23.26	0.212
10	64QAM	25	25	23.50	0.224	23.28	0.213	23.15	0.207
10	64QAM	50	0	23.34	0.216	23.34	0.216	23.30	0.214



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	25.30	0.339	25.30	0.339	25.11	0.324
5	QPSK	1	12	25.25	0.335	25.23	0.333	25.08	0.322
5	QPSK	1	24	25.28	0.337	25.22	0.333	25.13	0.326
5	QPSK	12	0	24.37	0.274	24.40	0.275	24.34	0.272
5	QPSK	12	7	24.46	0.279	24.42	0.277	24.28	0.268
5	QPSK	12	13	24.38	0.274	24.41	0.276	24.24	0.265
5	QPSK	25	0	24.39	0.275	24.42	0.277	24.26	0.267
5	16QAM	1	0	24.65	0.292	24.55	0.285	24.44	0.278
5	16QAM	1	12	24.57	0.286	24.77	0.300	24.65	0.292
5	16QAM	1	24	24.61	0.289	24.64	0.291	24.42	0.277
5	16QAM	12	0	23.47	0.222	23.46	0.222	23.41	0.219
5	16QAM	12	7	23.46	0.222	23.49	0.223	23.37	0.217
5	16QAM	12	13	23.47	0.222	23.40	0.219	23.33	0.215
5	16QAM	25	0	23.45	0.221	23.47	0.222	23.39	0.218
5	64QAM	1	0	23.44	0.221	23.24	0.211	23.34	0.216
5	64QAM	1	12	23.42	0.220	23.44	0.221	23.15	0.207
5	64QAM	1	24	23.35	0.216	23.24	0.211	23.25	0.211
5	64QAM	12	0	23.42	0.220	23.40	0.219	23.30	0.214
5	64QAM	12	7	23.40	0.219	23.44	0.221	23.36	0.217
5	64QAM	12	13	23.37	0.217	23.38	0.218	23.28	0.213
5	64QAM	25	0	23.40	0.219	23.41	0.219	23.22	0.210



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	21.18	0.131	21.35	0.136	21.16	0.131
20	QPSK	1	49	21.32	0.136	21.21	0.132	21.21	0.132
20	QPSK	1	99	21.27	0.134	21.11	0.129	21.29	0.135
20	QPSK	50	0	20.25	0.106	20.48	0.112	20.30	0.107
20	QPSK	50	24	20.35	0.108	20.34	0.108	20.30	0.107
20	QPSK	50	50	20.46	0.111	20.38	0.109	20.36	0.109
20	QPSK	100	0	20.27	0.106	20.24	0.106	20.3	0.107
20	16QAM	1	0	20.51	0.112	20.5	0.112	20.67	0.117
20	16QAM	1	49	20.65	0.116	20.31	0.107	20.32	0.108
20	16QAM	1	99	20.26	0.106	20.30	0.107	20.45	0.111
20	16QAM	50	0	19.40	0.087	19.25	0.084	19.25	0.084
20	16QAM	50	24	19.35	0.086	19.30	0.085	19.26	0.084
20	16QAM	50	50	19.46	0.088	19.50	0.089	19.47	0.089
20	16QAM	100	0	19.42	0.087	19.39	0.087	19.24	0.084
20	64QAM	1	0	19.62	0.092	19.64	0.092	19.25	0.084
20	64QAM	1	49	19.49	0.089	19.35	0.086	19.42	0.087
20	64QAM	1	99	19.38	0.087	19.33	0.086	19.21	0.083
20	64QAM	50	0	19.30	0.085	19.29	0.085	19.25	0.084
20	64QAM	50	24	19.30	0.085	19.33	0.086	19.29	0.085
20	64QAM	50	50	19.51	0.089	19.36	0.086	19.38	0.087
20	64QAM	100	0	19.37	0.086	19.26	0.084	19.33	0.086



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132047		132322		132597	
Frequency (MHz)				1717.5		1745		1772.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	21.16	0.131	21.28	0.134	21.14	0.130
15	QPSK	1	37	21.30	0.135	21.33	0.136	21.19	0.132
15	QPSK	1	74	21.25	0.133	21.09	0.129	21.27	0.134
15	QPSK	36	0	20.23	0.105	20.22	0.105	20.28	0.107
15	QPSK	36	20	20.33	0.108	20.32	0.108	20.28	0.107
15	QPSK	36	39	20.44	0.111	20.36	0.109	20.34	0.108
15	QPSK	75	0	20.25	0.106	20.22	0.105	20.28	0.107
15	16QAM	1	0	20.49	0.112	20.48	0.112	20.65	0.116
15	16QAM	1	37	20.63	0.116	20.29	0.107	20.3	0.107
15	16QAM	1	74	20.24	0.106	20.28	0.107	20.43	0.110
15	16QAM	36	0	19.38	0.087	19.23	0.084	19.23	0.084
15	16QAM	36	20	19.33	0.086	19.28	0.085	19.24	0.084
15	16QAM	36	39	19.44	0.088	19.48	0.089	19.45	0.088
15	16QAM	75	0	19.40	0.087	19.37	0.086	19.22	0.084
15	64QAM	1	0	19.35	0.086	19.36	0.086	19.23	0.084
15	64QAM	1	37	19.47	0.089	19.52	0.090	19.38	0.087
15	64QAM	1	74	19.46	0.088	19.21	0.083	19.28	0.085
15	64QAM	36	0	19.34	0.086	19.27	0.085	19.22	0.084
15	64QAM	36	20	19.30	0.085	19.31	0.085	19.27	0.085
15	64QAM	36	39	19.49	0.089	19.34	0.086	19.36	0.086
15	64QAM	75	0	19.35	0.086	19.24	0.084	19.31	0.085



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132022		132322		132622	
Frequency (MHz)				1715		1745		1775	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	21.14	0.130	21.26	0.134	21.12	0.129
10	QPSK	1	25	21.28	0.134	21.31	0.135	21.17	0.131
10	QPSK	1	49	21.23	0.133	21.07	0.128	21.25	0.133
10	QPSK	25	0	20.21	0.105	20.20	0.105	20.26	0.106
10	QPSK	25	12	20.31	0.107	20.30	0.107	20.26	0.106
10	QPSK	25	25	20.42	0.110	20.34	0.108	20.32	0.108
10	QPSK	50	0	20.23	0.105	20.20	0.105	20.26	0.106
10	16QAM	1	0	20.47	0.111	20.46	0.111	20.63	0.116
10	16QAM	1	25	20.61	0.115	20.27	0.106	20.28	0.107
10	16QAM	1	49	20.22	0.105	20.26	0.106	20.41	0.110
10	16QAM	25	0	19.36	0.086	19.21	0.083	19.21	0.083
10	16QAM	25	12	19.31	0.085	19.26	0.084	19.22	0.084
10	16QAM	25	25	19.42	0.087	19.46	0.088	19.43	0.088
10	16QAM	50	0	19.38	0.087	19.35	0.086	19.20	0.083
10	64QAM	1	0	19.34	0.086	19.55	0.090	19.21	0.083
10	64QAM	1	25	19.31	0.085	19.48	0.089	19.36	0.086
10	64QAM	1	49	19.44	0.088	19.39	0.087	19.37	0.086
10	64QAM	25	0	19.27	0.085	19.25	0.084	19.21	0.083
10	64QAM	25	12	19.28	0.085	19.29	0.085	19.25	0.084
10	64QAM	25	25	19.47	0.089	19.32	0.086	19.34	0.086
10	64QAM	50	0	19.33	0.086	19.22	0.084	19.29	0.085



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131997		132322		132647	
Frequency (MHz)				1712.5		1745		1777.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	21.12	0.129	21.24	0.133	21.1	0.129
5	QPSK	1	12	21.26	0.134	21.29	0.135	21.15	0.130
5	QPSK	1	24	21.21	0.132	21.05	0.127	21.23	0.133
5	QPSK	12	0	20.19	0.104	20.18	0.104	20.24	0.106
5	QPSK	12	7	20.29	0.107	20.28	0.107	20.24	0.106
5	QPSK	12	13	20.40	0.110	20.32	0.108	20.3	0.107
5	QPSK	25	0	20.21	0.105	20.18	0.104	20.24	0.106
5	16QAM	1	0	20.45	0.111	20.44	0.111	20.61	0.115
5	16QAM	1	12	20.59	0.115	20.25	0.106	20.26	0.106
5	16QAM	1	24	20.20	0.105	20.24	0.106	20.39	0.109
5	16QAM	12	0	19.34	0.086	19.19	0.083	19.19	0.083
5	16QAM	12	7	19.29	0.085	19.24	0.084	19.20	0.083
5	16QAM	12	13	19.40	0.087	19.44	0.088	19.41	0.087
5	16QAM	25	0	19.36	0.086	19.33	0.086	19.18	0.083
5	64QAM	1	0	19.56	0.090	19.35	0.086	19.39	0.087
5	64QAM	1	12	19.43	0.088	19.46	0.088	19.34	0.086
5	64QAM	1	24	19.34	0.086	19.27	0.085	19.44	0.088
5	64QAM	12	0	19.25	0.084	19.23	0.084	19.19	0.083
5	64QAM	12	7	19.26	0.084	19.27	0.085	19.23	0.084
5	64QAM	12	13	19.45	0.088	19.30	0.085	19.32	0.086
5	64QAM	25	0	19.31	0.085	19.20	0.083	19.27	0.085



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131987		132322		132657	
Frequency (MHz)				1711.5		1745		1778.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	21.16	0.131	21.28	0.134	21.14	0.130
3	QPSK	1	8	21.30	0.135	21.33	0.136	21.19	0.132
3	QPSK	1	14	21.25	0.133	21.09	0.129	21.27	0.134
3	QPSK	8	0	20.23	0.105	20.22	0.105	20.28	0.107
3	QPSK	8	4	20.33	0.108	20.32	0.108	20.28	0.107
3	QPSK	8	7	20.44	0.111	20.36	0.109	20.34	0.108
3	QPSK	15	0	20.25	0.106	20.22	0.105	20.28	0.107
3	16QAM	1	0	20.49	0.112	20.48	0.112	20.65	0.116
3	16QAM	1	8	20.63	0.116	20.29	0.107	20.3	0.107
3	16QAM	1	14	20.24	0.106	20.28	0.107	20.43	0.110
3	16QAM	8	0	19.38	0.087	19.23	0.084	19.23	0.084
3	16QAM	8	4	19.33	0.086	19.28	0.085	19.24	0.084
3	16QAM	8	7	19.44	0.088	19.48	0.089	19.45	0.088
3	16QAM	15	0	19.40	0.087	19.37	0.086	19.22	0.084
3	64QAM	1	0	19.53	0.090	19.64	0.092	19.23	0.084
3	64QAM	1	8	19.37	0.086	19.55	0.090	19.38	0.087
3	64QAM	1	14	19.33	0.086	19.21	0.083	19.39	0.087
3	64QAM	8	0	19.29	0.085	19.27	0.085	19.23	0.084
3	64QAM	8	4	19.30	0.085	19.31	0.085	19.27	0.085
3	64QAM	8	7	19.49	0.089	19.34	0.086	19.36	0.086
3	64QAM	15	0	19.35	0.086	19.24	0.084	19.31	0.085



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131979		132322		132665	
Frequency (MHz)				1710.7		1745		1779.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	21.10	0.129	21.22	0.132	21.08	0.128
1.4	QPSK	1	3	21.24	0.133	21.27	0.134	21.13	0.130
1.4	QPSK	1	5	21.19	0.132	21.03	0.127	21.21	0.132
1.4	QPSK	3	0	20.17	0.104	20.16	0.104	20.22	0.105
1.4	QPSK	3	1	20.27	0.106	20.26	0.106	20.22	0.105
1.4	QPSK	3	3	20.38	0.109	20.30	0.107	20.28	0.107
1.4	QPSK	6	0	20.19	0.104	20.16	0.104	20.22	0.105
1.4	16QAM	1	0	20.43	0.110	20.42	0.110	20.59	0.115
1.4	16QAM	1	3	20.57	0.114	20.23	0.105	20.24	0.106
1.4	16QAM	1	5	20.18	0.104	20.22	0.105	20.37	0.109
1.4	16QAM	3	0	19.32	0.086	19.17	0.083	19.17	0.083
1.4	16QAM	3	1	19.27	0.085	19.22	0.084	19.18	0.083
1.4	16QAM	3	3	19.38	0.087	19.42	0.087	19.39	0.087
1.4	16QAM	6	0	19.34	0.086	19.31	0.085	19.16	0.082
1.4	64QAM	1	0	19.54	0.090	19.52	0.090	19.37	0.086
1.4	64QAM	1	3	19.41	0.087	19.41	0.087	19.32	0.086
1.4	64QAM	1	5	19.30	0.085	19.45	0.088	19.34	0.086
1.4	64QAM	3	0	19.23	0.084	19.21	0.083	19.17	0.083
1.4	64QAM	3	1	19.24	0.084	19.25	0.084	19.21	0.083
1.4	64QAM	3	3	19.43	0.088	19.28	0.085	19.3	0.085
1.4	64QAM	6	0	19.29	0.085	19.18	0.083	19.34	0.086



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	19.87	0.097	19.97	0.099	19.93	0.098
20	QPSK	1	49	19.67	0.093	19.93	0.098	19.57	0.091
20	QPSK	1	99	19.92	0.098	19.76	0.095	19.73	0.094
20	QPSK	50	0	18.96	0.079	19.52	0.090	19.40	0.087
20	QPSK	50	24	19.28	0.085	19.47	0.089	19.52	0.090
20	QPSK	50	50	19.46	0.088	19.49	0.089	19.46	0.088
20	QPSK	100	0	18.92	0.078	19.30	0.085	19.30	0.085
20	16QAM	1	0	19.42	0.087	19.20	0.083	19.21	0.083
20	16QAM	1	49	19.11	0.081	18.93	0.078	19.10	0.081
20	16QAM	1	99	18.96	0.079	18.96	0.079	19.19	0.083
20	16QAM	50	0	18.39	0.069	18.38	0.069	17.87	0.061
20	16QAM	50	24	18.50	0.071	18.53	0.071	18.49	0.071
20	16QAM	50	50	18.42	0.070	18.52	0.071	18.42	0.070
20	16QAM	100	0	18.51	0.071	18.50	0.071	18.61	0.073
20	64QAM	1	0	18.50	0.071	18.68	0.074	18.48	0.070
20	64QAM	1	49	18.61	0.073	18.49	0.071	18.19	0.066
20	64QAM	1	99	18.66	0.073	18.63	0.073	18.30	0.068
20	64QAM	50	0	18.62	0.073	18.47	0.070	18.53	0.071
20	64QAM	50	24	18.71	0.074	18.39	0.069	18.61	0.073
20	64QAM	50	50	18.52	0.071	18.52	0.071	18.49	0.071
20	64QAM	100	0	18.69	0.074	18.72	0.074	18.42	0.070



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	19.79	0.095	19.89	0.097	19.85	0.097
15	QPSK	1	37	19.59	0.091	19.85	0.097	19.49	0.089
15	QPSK	1	74	19.84	0.096	19.68	0.093	19.65	0.092
15	QPSK	36	0	18.88	0.077	19.44	0.088	19.32	0.086
15	QPSK	36	20	19.20	0.083	19.39	0.087	19.44	0.088
15	QPSK	36	39	19.38	0.087	19.41	0.087	19.38	0.087
15	QPSK	75	0	18.84	0.077	19.22	0.084	19.22	0.084
15	16QAM	1	0	19.34	0.086	19.12	0.082	19.13	0.082
15	16QAM	1	37	19.03	0.080	18.85	0.077	19.02	0.080
15	16QAM	1	74	18.88	0.077	18.88	0.077	19.11	0.081
15	16QAM	36	0	18.31	0.068	18.30	0.068	17.79	0.060
15	16QAM	36	20	18.42	0.070	18.45	0.070	18.41	0.069
15	16QAM	36	39	18.34	0.068	18.44	0.070	18.34	0.068
15	16QAM	75	0	18.43	0.070	18.42	0.070	18.53	0.071
15	64QAM	1	0	18.42	0.070	18.60	0.072	18.40	0.069
15	64QAM	1	37	18.53	0.071	18.41	0.069	18.11	0.065
15	64QAM	1	74	18.58	0.072	18.55	0.072	18.22	0.066
15	64QAM	36	0	18.54	0.071	18.39	0.069	18.45	0.070
15	64QAM	36	20	18.63	0.073	18.31	0.068	18.53	0.071
15	64QAM	36	39	18.44	0.070	18.44	0.070	18.41	0.069
15	64QAM	75	0	18.61	0.073	18.64	0.073	18.34	0.068



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		133272		133422	
Frequency (MHz)				668		678		693	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	19.82	0.096	19.92	0.098	19.88	0.097
10	QPSK	1	25	19.62	0.092	19.88	0.097	19.52	0.090
10	QPSK	1	49	19.87	0.097	19.71	0.094	19.68	0.093
10	QPSK	25	0	18.91	0.078	19.47	0.089	19.35	0.086
10	QPSK	25	12	19.23	0.084	19.42	0.087	19.47	0.089
10	QPSK	25	25	19.41	0.087	19.44	0.088	19.41	0.087
10	QPSK	50	0	18.87	0.077	19.25	0.084	19.25	0.084
10	16QAM	1	0	19.37	0.086	19.15	0.082	19.16	0.082
10	16QAM	1	25	19.06	0.081	18.88	0.077	19.05	0.080
10	16QAM	1	49	18.91	0.078	18.91	0.078	19.14	0.082
10	16QAM	25	0	18.34	0.068	18.33	0.068	17.82	0.061
10	16QAM	25	12	18.45	0.070	18.48	0.070	18.44	0.070
10	16QAM	25	25	18.37	0.069	18.47	0.070	18.37	0.069
10	16QAM	50	0	18.46	0.070	18.45	0.070	18.56	0.072
10	64QAM	1	0	18.45	0.070	18.63	0.073	18.43	0.070
10	64QAM	1	25	18.56	0.072	18.44	0.070	18.14	0.065
10	64QAM	1	49	18.61	0.073	18.58	0.072	18.25	0.067
10	64QAM	25	0	18.57	0.072	18.42	0.070	18.48	0.070
10	64QAM	25	12	18.66	0.073	18.34	0.068	18.56	0.072
10	64QAM	25	25	18.47	0.070	18.47	0.070	18.44	0.070
10	64QAM	50	0	18.64	0.073	18.67	0.074	18.37	0.069



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		133247		133447	
Frequency (MHz)				665.5		675.5		695.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	19.84	0.096	19.94	0.099	19.90	0.098
5	QPSK	1	12	19.64	0.092	19.90	0.098	19.54	0.090
5	QPSK	1	24	19.89	0.097	19.73	0.094	19.70	0.093
5	QPSK	12	0	18.93	0.078	19.41	0.087	19.37	0.086
5	QPSK	12	7	19.25	0.084	19.44	0.088	19.49	0.089
5	QPSK	12	13	19.43	0.088	19.46	0.088	19.43	0.088
5	QPSK	25	0	18.89	0.077	19.27	0.085	19.27	0.085
5	16QAM	1	0	19.39	0.087	19.17	0.083	19.18	0.083
5	16QAM	1	12	19.08	0.081	18.90	0.078	19.07	0.081
5	16QAM	1	24	18.93	0.078	18.93	0.078	19.16	0.082
5	16QAM	12	0	18.36	0.069	18.35	0.068	17.84	0.061
5	16QAM	12	7	18.47	0.070	18.50	0.071	18.46	0.070
5	16QAM	12	13	18.39	0.069	18.49	0.071	18.39	0.069
5	16QAM	25	0	18.48	0.070	18.47	0.070	18.58	0.072
5	64QAM	1	0	18.47	0.070	18.65	0.073	18.45	0.070
5	64QAM	1	12	18.58	0.072	18.46	0.070	18.16	0.065
5	64QAM	1	24	18.63	0.073	18.60	0.072	18.27	0.067
5	64QAM	12	0	18.59	0.072	18.44	0.070	18.50	0.071
5	64QAM	12	7	18.68	0.074	18.36	0.069	18.58	0.072
5	64QAM	12	13	18.49	0.071	18.49	0.071	18.46	0.070
5	64QAM	25	0	18.66	0.073	18.69	0.074	18.39	0.069



Bottom Antenna

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	21.04	0.127	21.16	0.131	20.94	0.124
20	QPSK	1	49	20.91	0.123	20.88	0.122	20.94	0.124
20	QPSK	1	99	20.97	0.125	20.89	0.123	20.85	0.122
20	QPSK	50	0	20.01	0.100	20.18	0.104	19.99	0.100
20	QPSK	50	24	20.03	0.101	19.98	0.100	20.18	0.104
20	QPSK	50	50	20.03	0.101	20.08	0.102	20.08	0.102
20	QPSK	100	0	20.01	0.100	19.95	0.099	20.29	0.107
20	16QAM	1	0	20.39	0.109	20.01	0.100	20.24	0.106
20	16QAM	1	49	19.99	0.100	20.33	0.108	20.22	0.105
20	16QAM	1	99	20.35	0.108	20.12	0.103	20.02	0.100
20	16QAM	50	0	19.98	0.100	20.04	0.101	20.24	0.106
20	16QAM	50	24	20.07	0.102	20.24	0.106	19.96	0.099
20	16QAM	50	50	20.04	0.101	20.43	0.110	20.13	0.103
20	16QAM	100	0	20.05	0.101	20.22	0.105	20.22	0.105
20	64QAM	1	0	20.08	0.102	20.24	0.106	20.13	0.103
20	64QAM	1	49	20.21	0.105	20.42	0.110	19.89	0.097
20	64QAM	1	99	20.01	0.100	20.43	0.110	20.23	0.105
20	64QAM	50	0	19.98	0.100	20.13	0.103	20.07	0.102
20	64QAM	50	24	20.24	0.106	20.06	0.101	20.22	0.105
20	64QAM	50	50	20.19	0.104	20.25	0.106	20.17	0.104
20	64QAM	100	0	20.14	0.103	20.24	0.106	20.18	0.104



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	20.88	0.122	20.85	0.122	20.77	0.119
15	QPSK	1	37	20.83	0.121	20.94	0.124	20.84	0.121
15	QPSK	1	74	20.97	0.125	20.93	0.124	20.98	0.125
15	QPSK	36	0	20.16	0.104	19.88	0.097	19.80	0.095
15	QPSK	36	20	20.18	0.104	19.99	0.100	20.01	0.100
15	QPSK	36	39	20.24	0.106	19.95	0.099	20.02	0.100
15	QPSK	75	0	20.12	0.103	20.14	0.103	19.91	0.098
15	16QAM	1	0	20.39	0.109	20.03	0.101	20.14	0.103
15	16QAM	1	37	20.24	0.106	20.03	0.101	20.31	0.107
15	16QAM	1	74	20.44	0.111	20.49	0.112	20.50	0.112
15	16QAM	36	0	20.14	0.103	20.22	0.105	20.15	0.104
15	16QAM	36	20	19.95	0.099	20.05	0.101	20.22	0.105
15	16QAM	36	39	20.22	0.105	19.95	0.099	20.16	0.104
15	16QAM	75	0	20.08	0.102	20.25	0.106	20.52	0.113
15	64QAM	1	0	20.22	0.105	20.22	0.105	20.21	0.105
15	64QAM	1	37	20.15	0.104	20.11	0.103	20.22	0.105
15	64QAM	1	74	20.25	0.106	20.22	0.105	20.24	0.106
15	64QAM	36	0	20.04	0.101	20.14	0.103	20.14	0.103
15	64QAM	36	20	20.13	0.103	20.18	0.104	20.15	0.104
15	64QAM	36	39	20.21	0.105	20.21	0.105	20.24	0.106
15	64QAM	75	0	20.14	0.103	20.18	0.104	20.22	0.105



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	21.14	0.130	20.90	0.123	21.11	0.129
10	QPSK	1	25	20.82	0.121	21.13	0.130	21.02	0.126
10	QPSK	1	49	21.05	0.127	21.08	0.128	21.14	0.130
10	QPSK	25	0	20.14	0.103	20.04	0.101	19.95	0.099
10	QPSK	25	12	20.15	0.104	20.19	0.104	20.08	0.102
10	QPSK	25	25	20.05	0.101	20.06	0.101	20.14	0.103
10	QPSK	50	0	20.17	0.104	20.14	0.103	20.07	0.102
10	16QAM	1	0	20.16	0.104	20.54	0.113	20.44	0.111
10	16QAM	1	25	20.47	0.111	20.07	0.102	20.11	0.103
10	16QAM	1	49	20.12	0.103	20.52	0.113	20.22	0.105
10	16QAM	25	0	20.34	0.108	20.15	0.104	20.07	0.102
10	16QAM	25	12	20.12	0.103	20.22	0.105	20.22	0.105
10	16QAM	25	25	20.24	0.106	20.21	0.105	20.12	0.103
10	16QAM	50	0	20.14	0.103	20.11	0.103	20.24	0.106
10	64QAM	1	0	19.88	0.097	20.00	0.100	20.22	0.105
10	64QAM	1	25	20.24	0.106	20.08	0.102	19.94	0.099
10	64QAM	1	49	20.21	0.105	19.90	0.098	20.26	0.106
10	64QAM	25	0	20.18	0.104	20.24	0.106	20.15	0.104
10	64QAM	25	12	20.24	0.106	20.18	0.104	20.26	0.106
10	64QAM	25	25	20.14	0.103	20.22	0.105	19.94	0.099
10	64QAM	50	0	20.13	0.103	20.17	0.104	20.11	0.103



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	21.02	0.126	20.91	0.123	21.10	0.129
5	QPSK	1	12	21.12	0.129	21.16	0.131	20.97	0.125
5	QPSK	1	24	20.96	0.125	20.99	0.126	20.90	0.123
5	QPSK	12	0	20.17	0.104	20.12	0.103	20.19	0.104
5	QPSK	12	7	20.12	0.103	20.14	0.103	20.17	0.104
5	QPSK	12	13	20.01	0.100	20.03	0.101	20.03	0.101
5	QPSK	25	0	20.09	0.102	20.15	0.104	20.06	0.101
5	16QAM	1	0	20.28	0.107	20.31	0.107	20.12	0.103
5	16QAM	1	12	20.15	0.104	20.27	0.106	20.51	0.112
5	16QAM	1	24	20.00	0.100	20.07	0.102	20.40	0.110
5	16QAM	12	0	20.22	0.105	20.15	0.104	20.14	0.103
5	16QAM	12	7	20.22	0.105	20.26	0.106	20.22	0.105
5	16QAM	12	13	20.05	0.101	20.26	0.106	19.84	0.096
5	16QAM	25	0	20.13	0.103	20.11	0.103	20.16	0.104
5	64QAM	1	0	20.04	0.101	20.12	0.103	19.94	0.099
5	64QAM	1	12	19.89	0.097	20.18	0.104	20.37	0.109
5	64QAM	1	24	20.14	0.103	19.97	0.099	20.02	0.100
5	64QAM	12	0	20.22	0.105	19.94	0.099	20.18	0.104
5	64QAM	12	7	20.21	0.105	20.13	0.103	20.10	0.102
5	64QAM	12	13	20.14	0.103	20.12	0.103	20.06	0.101
5	64QAM	25	0	20.05	0.101	20.17	0.104	20.12	0.103



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	21.01	0.126	21.12	0.129	21.06	0.128
3	QPSK	1	8	21.12	0.129	21.11	0.129	20.98	0.125
3	QPSK	1	14	20.94	0.124	20.85	0.122	20.93	0.124
3	QPSK	8	0	20.16	0.104	20.20	0.105	20.11	0.103
3	QPSK	8	4	20.11	0.103	20.10	0.102	20.15	0.104
3	QPSK	8	7	20.01	0.100	20.05	0.101	20.07	0.102
3	QPSK	15	0	20.09	0.102	20.06	0.101	20.12	0.103
3	16QAM	1	0	20.23	0.105	19.95	0.099	20.27	0.106
3	16QAM	1	8	19.97	0.099	20.21	0.105	20.57	0.114
3	16QAM	1	14	20.50	0.112	20.34	0.108	20.33	0.108
3	16QAM	8	0	20.24	0.106	20.20	0.105	20.20	0.105
3	16QAM	8	4	20.16	0.104	20.15	0.104	20.26	0.106
3	16QAM	8	7	20.13	0.103	20.22	0.105	20.15	0.104
3	16QAM	15	0	20.18	0.104	20.08	0.102	20.05	0.101
3	64QAM	1	0	20.11	0.103	20.36	0.109	20.22	0.105
3	64QAM	1	8	20.21	0.105	20.27	0.106	20.10	0.102
3	64QAM	1	14	20.13	0.103	20.11	0.103	20.30	0.107
3	64QAM	8	0	20.08	0.102	20.22	0.105	20.22	0.105
3	64QAM	8	4	20.20	0.105	20.15	0.104	20.20	0.105
3	64QAM	8	7	20.24	0.106	20.20	0.105	20.02	0.100
3	64QAM	15	0	20.19	0.104	20.00	0.100	20.09	0.102



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	21.05	0.127	20.96	0.125	21.02	0.126
1.4	QPSK	1	3	21.03	0.127	21.09	0.129	21.02	0.126
1.4	QPSK	1	5	20.89	0.123	20.94	0.124	20.93	0.124
1.4	QPSK	3	0	21.08	0.128	20.96	0.125	21.04	0.127
1.4	QPSK	3	1	21.05	0.127	21.10	0.129	20.95	0.124
1.4	QPSK	3	3	20.95	0.124	21.00	0.126	21.01	0.126
1.4	QPSK	6	0	20.08	0.102	20.08	0.102	19.99	0.100
1.4	16QAM	1	0	20.52	0.113	20.23	0.105	20.34	0.108
1.4	16QAM	1	3	20.52	0.113	20.26	0.106	20.33	0.108
1.4	16QAM	1	5	20.48	0.112	20.14	0.103	20.13	0.103
1.4	16QAM	3	0	20.16	0.104	19.99	0.100	20.11	0.103
1.4	16QAM	3	1	20.12	0.103	20.18	0.104	20.13	0.103
1.4	16QAM	3	3	20.06	0.101	20.14	0.103	20.05	0.101
1.4	16QAM	6	0	20.12	0.103	20.05	0.101	20.22	0.105
1.4	64QAM	1	0	20.16	0.104	20.16	0.104	20.15	0.104
1.4	64QAM	1	3	20.22	0.105	19.99	0.100	20.18	0.104
1.4	64QAM	1	5	20.48	0.112	20.23	0.105	20.11	0.103
1.4	64QAM	3	0	20.23	0.105	20.22	0.105	20.18	0.104
1.4	64QAM	3	1	20.25	0.106	20.26	0.106	20.10	0.102
1.4	64QAM	3	3	19.84	0.096	20.16	0.104	20.02	0.100
1.4	64QAM	6	0	20.24	0.106	20.22	0.105	20.15	0.104



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	17.11	0.051	17.31	0.054	17.21	0.053
20	QPSK	1	49	17.13	0.052	17.15	0.052	17.02	0.050
20	QPSK	1	99	17.05	0.051	16.93	0.049	17.02	0.050
20	QPSK	50	0	16.01	0.040	16.26	0.042	16.04	0.040
20	QPSK	50	24	16.11	0.041	16.21	0.042	16.18	0.041
20	QPSK	50	50	15.98	0.040	16.07	0.040	16.06	0.040
20	QPSK	100	0	15.99	0.040	16.04	0.040	16.04	0.040
20	16QAM	1	0	16.26	0.042	15.99	0.040	16.52	0.045
20	16QAM	1	49	16.10	0.041	16.59	0.046	16.49	0.045
20	16QAM	1	99	16.42	0.044	16.04	0.040	16.56	0.045
20	16QAM	50	0	16.01	0.040	15.96	0.039	16.05	0.040
20	16QAM	50	24	16.11	0.041	16.05	0.040	16.15	0.041
20	16QAM	50	50	16.10	0.041	16.06	0.040	16.03	0.040
20	16QAM	100	0	16.13	0.041	16.08	0.041	16.11	0.041
20	64QAM	1	0	16.55	0.045	16.11	0.041	16.21	0.042
20	64QAM	1	49	16.16	0.041	16.17	0.041	16.21	0.042
20	64QAM	1	99	16.04	0.040	16.08	0.041	16.33	0.043
20	64QAM	50	0	16.14	0.041	16.10	0.041	16.14	0.041
20	64QAM	50	24	16.15	0.041	16.13	0.041	16.25	0.042
20	64QAM	50	50	16.02	0.040	16.11	0.041	16.13	0.041
20	64QAM	100	0	16.13	0.041	16.12	0.041	16.21	0.042



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	16.99	0.050	17.11	0.051	17.25	0.053
15	QPSK	1	37	16.94	0.049	17.00	0.050	16.97	0.050
15	QPSK	1	74	16.82	0.048	16.98	0.050	16.90	0.049
15	QPSK	36	0	16.03	0.040	16.10	0.041	16.15	0.041
15	QPSK	36	20	16.15	0.041	16.07	0.040	16.19	0.042
15	QPSK	36	39	16.08	0.041	15.99	0.040	16.06	0.040
15	QPSK	75	0	16.13	0.041	16.16	0.041	16.21	0.042
15	16QAM	1	0	16.22	0.042	16.31	0.043	16.23	0.042
15	16QAM	1	37	16.35	0.043	16.39	0.044	16.30	0.043
15	16QAM	1	74	16.53	0.045	16.32	0.043	16.63	0.046
15	16QAM	36	0	16.05	0.040	16.06	0.040	16.12	0.041
15	16QAM	36	20	16.02	0.040	16.14	0.041	16.13	0.041
15	16QAM	36	39	16.08	0.041	16.08	0.041	16.06	0.040
15	16QAM	75	0	16.00	0.040	16.12	0.041	16.14	0.041
15	64QAM	1	0	16.25	0.042	16.23	0.042	16.58	0.045
15	64QAM	1	37	16.15	0.041	16.53	0.045	16.10	0.041
15	64QAM	1	74	16.02	0.040	16.29	0.043	16.15	0.041
15	64QAM	36	0	16.00	0.040	16.11	0.041	16.10	0.041
15	64QAM	36	20	16.08	0.041	16.11	0.041	16.24	0.042
15	64QAM	36	39	16.02	0.040	16.08	0.041	16.01	0.040
15	64QAM	75	0	16.13	0.041	16.19	0.042	15.99	0.040



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	17.09	0.051	17.25	0.053	16.88	0.049
10	QPSK	1	25	17.18	0.052	17.15	0.052	16.88	0.049
10	QPSK	1	49	17.01	0.050	17.05	0.051	17.21	0.053
10	QPSK	25	0	16.15	0.041	16.18	0.041	16.26	0.042
10	QPSK	25	12	16.20	0.042	16.20	0.042	16.25	0.042
10	QPSK	25	25	16.11	0.041	16.23	0.042	16.34	0.043
10	QPSK	50	0	16.22	0.042	16.23	0.042	16.26	0.042
10	16QAM	1	0	16.48	0.044	16.60	0.046	16.62	0.046
10	16QAM	1	25	16.15	0.041	16.22	0.042	16.83	0.048
10	16QAM	1	49	16.17	0.041	16.32	0.043	16.36	0.043
10	16QAM	25	0	16.28	0.042	16.22	0.042	16.24	0.042
10	16QAM	25	12	16.33	0.043	16.27	0.042	16.23	0.042
10	16QAM	25	25	16.13	0.041	16.13	0.041	16.24	0.042
10	16QAM	50	0	16.24	0.042	16.22	0.042	16.23	0.042
10	64QAM	1	0	16.47	0.044	16.26	0.042	16.04	0.040
10	64QAM	1	25	16.07	0.040	16.41	0.044	16.27	0.042
10	64QAM	1	49	15.99	0.040	16.37	0.043	16.08	0.041
10	64QAM	25	0	16.06	0.040	16.21	0.042	16.32	0.043
10	64QAM	25	12	16.25	0.042	16.31	0.043	16.28	0.042
10	64QAM	25	25	16.26	0.042	16.20	0.042	16.31	0.043
10	64QAM	50	0	16.21	0.042	16.27	0.042	16.23	0.042



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	17.16	0.052	17.02	0.050	17.23	0.053
5	QPSK	1	12	17.10	0.051	17.11	0.051	17.21	0.053
5	QPSK	1	24	17.12	0.052	17.13	0.052	17.22	0.053
5	QPSK	12	0	16.23	0.042	16.23	0.042	16.32	0.043
5	QPSK	12	7	16.18	0.041	16.29	0.043	16.35	0.043
5	QPSK	12	13	16.16	0.041	16.20	0.042	16.27	0.042
5	QPSK	25	0	16.24	0.042	16.17	0.041	16.25	0.042
5	16QAM	1	0	16.31	0.043	16.40	0.044	16.66	0.046
5	16QAM	1	12	16.60	0.046	16.73	0.047	16.81	0.048
5	16QAM	1	24	16.24	0.042	16.28	0.042	16.29	0.043
5	16QAM	12	0	16.14	0.041	16.15	0.041	16.27	0.042
5	16QAM	12	7	16.20	0.042	16.26	0.042	16.21	0.042
5	16QAM	12	13	16.12	0.041	16.24	0.042	16.25	0.042
5	16QAM	25	0	16.24	0.042	16.10	0.041	16.22	0.042
5	64QAM	1	0	16.15	0.041	16.24	0.042	16.51	0.045
5	64QAM	1	12	15.85	0.038	16.60	0.046	16.49	0.045
5	64QAM	1	24	16.21	0.042	16.28	0.042	16.22	0.042
5	64QAM	12	0	16.16	0.041	16.18	0.041	16.16	0.041
5	64QAM	12	7	16.30	0.043	16.23	0.042	16.23	0.042
5	64QAM	12	13	16.13	0.041	16.26	0.042	16.24	0.042
5	64QAM	25	0	16.33	0.043	16.22	0.042	16.13	0.041



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	17.18	0.052	17.17	0.052	17.11	0.051
3	QPSK	1	8	17.07	0.051	17.22	0.053	17.26	0.053
3	QPSK	1	14	17.16	0.052	17.15	0.052	17.10	0.051
3	QPSK	8	0	16.21	0.042	16.13	0.041	16.23	0.042
3	QPSK	8	4	16.19	0.042	16.22	0.042	16.31	0.043
3	QPSK	8	7	16.18	0.041	16.15	0.041	16.20	0.042
3	QPSK	15	0	16.20	0.042	16.19	0.042	16.23	0.042
3	16QAM	1	0	16.39	0.044	16.55	0.045	16.43	0.044
3	16QAM	1	8	16.71	0.047	16.30	0.043	16.28	0.042
3	16QAM	1	14	16.72	0.047	16.28	0.042	16.55	0.045
3	16QAM	8	0	16.24	0.042	16.31	0.043	16.35	0.043
3	16QAM	8	4	16.13	0.041	16.26	0.042	16.18	0.041
3	16QAM	8	7	16.14	0.041	16.15	0.041	16.22	0.042
3	16QAM	15	0	16.10	0.041	16.26	0.042	16.24	0.042
3	64QAM	1	0	16.21	0.042	16.35	0.043	16.22	0.042
3	64QAM	1	8	16.26	0.042	16.22	0.042	16.16	0.041
3	64QAM	1	14	16.37	0.043	16.14	0.041	16.37	0.043
3	64QAM	8	0	16.26	0.042	16.35	0.043	16.22	0.042
3	64QAM	8	4	16.17	0.041	16.21	0.042	16.29	0.043
3	64QAM	8	7	16.22	0.042	16.23	0.042	16.17	0.041
3	64QAM	15	0	16.14	0.041	16.24	0.042	16.21	0.042



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	17.04	0.051	17.06	0.051	17.05	0.051
1.4	QPSK	1	3	17.09	0.051	17.21	0.053	17.23	0.053
1.4	QPSK	1	5	16.96	0.050	17.06	0.051	17.04	0.051
1.4	QPSK	3	0	16.99	0.050	17.04	0.051	17.21	0.053
1.4	QPSK	3	1	17.10	0.051	17.06	0.051	17.17	0.052
1.4	QPSK	3	3	17.03	0.050	16.98	0.050	17.12	0.052
1.4	QPSK	6	0	16.12	0.041	16.08	0.041	16.15	0.041
1.4	16QAM	1	0	15.98	0.040	16.32	0.043	16.55	0.045
1.4	16QAM	1	3	16.57	0.045	16.66	0.046	16.68	0.047
1.4	16QAM	1	5	16.27	0.042	16.24	0.042	16.59	0.046
1.4	16QAM	3	0	16.13	0.041	16.09	0.041	16.28	0.042
1.4	16QAM	3	1	16.02	0.040	16.19	0.042	16.32	0.043
1.4	16QAM	3	3	16.09	0.041	16.15	0.041	16.27	0.042
1.4	16QAM	6	0	16.13	0.041	16.24	0.042	15.96	0.039
1.4	64QAM	1	0	16.02	0.040	16.21	0.042	16.24	0.042
1.4	64QAM	1	3	16.33	0.043	16.23	0.042	16.28	0.042
1.4	64QAM	1	5	16.16	0.041	16.59	0.046	16.25	0.042
1.4	64QAM	3	0	16.22	0.042	15.99	0.040	16.34	0.043
1.4	64QAM	3	1	16.26	0.042	16.20	0.042	16.47	0.044
1.4	64QAM	3	3	16.08	0.041	16.14	0.041	16.30	0.043
1.4	64QAM	6	0	16.18	0.041	16.10	0.041	16.16	0.041



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	18.41	0.069	18.54	0.071	18.25	0.067
10	QPSK	1	25	18.28	0.067	18.39	0.069	18.41	0.069
10	QPSK	1	49	18.29	0.067	18.22	0.066	18.16	0.065
10	QPSK	25	0	17.27	0.053	17.39	0.055	17.28	0.053
10	QPSK	25	12	17.31	0.054	17.30	0.054	17.26	0.053
10	QPSK	25	25	17.39	0.055	17.26	0.053	17.35	0.054
10	QPSK	50	0	17.35	0.054	17.30	0.054	17.38	0.055
10	16QAM	1	0	17.66	0.058	17.36	0.054	17.75	0.060
10	16QAM	1	25	17.32	0.054	17.30	0.054	17.34	0.054
10	16QAM	1	49	17.61	0.058	17.42	0.055	17.55	0.057
10	16QAM	25	0	16.33	0.043	16.31	0.043	16.38	0.043
10	16QAM	25	12	16.39	0.044	16.32	0.043	16.39	0.044
10	16QAM	25	25	16.35	0.043	16.38	0.043	16.32	0.043
10	16QAM	50	0	16.38	0.043	16.37	0.043	16.29	0.043
10	64QAM	1	0	16.47	0.044	16.68	0.047	16.42	0.044
10	64QAM	1	25	16.38	0.043	16.60	0.046	16.61	0.046
10	64QAM	1	49	16.63	0.046	16.49	0.045	16.29	0.043
10	64QAM	25	0	16.30	0.043	16.28	0.042	16.27	0.042
10	64QAM	25	12	16.40	0.044	16.28	0.042	16.22	0.042
10	64QAM	25	25	16.28	0.042	16.38	0.043	16.27	0.042
10	64QAM	50	0	16.35	0.043	16.36	0.043	16.31	0.043



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	18.29	0.067	18.14	0.065	18.16	0.065
5	QPSK	1	12	18.33	0.068	18.12	0.065	18.18	0.066
5	QPSK	1	24	18.27	0.067	18.28	0.067	18.04	0.064
5	QPSK	12	0	17.39	0.055	17.33	0.054	17.27	0.053
5	QPSK	12	7	17.32	0.054	17.30	0.054	17.27	0.053
5	QPSK	12	13	17.35	0.054	17.27	0.053	17.28	0.053
5	QPSK	25	0	17.33	0.054	17.38	0.055	17.27	0.053
5	16QAM	1	0	17.43	0.055	17.45	0.056	17.73	0.059
5	16QAM	1	12	17.44	0.055	17.49	0.056	17.37	0.055
5	16QAM	1	24	17.34	0.054	17.28	0.053	17.75	0.060
5	16QAM	12	0	16.27	0.042	16.21	0.042	16.37	0.043
5	16QAM	12	7	16.41	0.044	16.39	0.044	16.31	0.043
5	16QAM	12	13	16.34	0.043	16.39	0.044	16.37	0.043
5	16QAM	25	0	16.41	0.044	16.38	0.043	16.16	0.041
5	64QAM	1	0	16.61	0.046	16.68	0.047	16.41	0.044
5	64QAM	1	12	16.62	0.046	16.58	0.045	16.35	0.043
5	64QAM	1	24	16.49	0.045	16.52	0.045	16.40	0.044
5	64QAM	12	0	16.26	0.042	16.23	0.042	16.24	0.042
5	64QAM	12	7	16.38	0.043	16.31	0.043	16.24	0.042
5	64QAM	12	13	16.29	0.043	16.28	0.042	16.34	0.043
5	64QAM	25	0	16.27	0.042	16.35	0.043	16.29	0.043



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	18.21	0.066	18.12	0.065	18.09	0.064
3	QPSK	1	8	18.28	0.067	18.18	0.066	18.10	0.065
3	QPSK	1	14	18.10	0.065	18.18	0.066	18.14	0.065
3	QPSK	8	0	17.30	0.054	17.24	0.053	17.29	0.054
3	QPSK	8	4	17.29	0.054	17.27	0.053	17.27	0.053
3	QPSK	8	7	17.33	0.054	17.31	0.054	17.28	0.053
3	QPSK	15	0	17.26	0.053	17.30	0.054	17.17	0.052
3	16QAM	1	0	17.47	0.056	17.67	0.058	17.44	0.055
3	16QAM	1	8	17.73	0.059	17.67	0.058	17.40	0.055
3	16QAM	1	14	17.56	0.057	17.59	0.057	17.36	0.054
3	16QAM	8	0	16.32	0.043	16.26	0.042	16.38	0.043
3	16QAM	8	4	16.46	0.044	16.30	0.043	16.16	0.041
3	16QAM	8	7	16.18	0.041	16.31	0.043	16.32	0.043
3	16QAM	15	0	16.33	0.043	16.39	0.044	16.31	0.043
3	64QAM	1	0	16.51	0.045	16.41	0.044	16.41	0.044
3	64QAM	1	8	16.42	0.044	16.31	0.043	16.58	0.045
3	64QAM	1	14	16.42	0.044	16.58	0.045	16.52	0.045
3	64QAM	8	0	16.36	0.043	16.19	0.042	16.14	0.041
3	64QAM	8	4	16.25	0.042	16.53	0.045	16.20	0.042
3	64QAM	8	7	16.42	0.044	16.23	0.042	16.30	0.043
3	64QAM	15	0	16.31	0.043	16.30	0.043	16.23	0.042



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	18.11	0.065	18.12	0.065	18.13	0.065
1.4	QPSK	1	3	18.18	0.066	18.15	0.065	18.13	0.065
1.4	QPSK	1	5	18.05	0.064	18.15	0.065	18.03	0.064
1.4	QPSK	3	0	18.13	0.065	18.13	0.065	18.12	0.065
1.4	QPSK	3	1	18.15	0.065	18.15	0.065	18.09	0.064
1.4	QPSK	3	3	18.08	0.064	18.19	0.066	18.02	0.063
1.4	QPSK	6	0	17.18	0.052	17.19	0.052	17.15	0.052
1.4	16QAM	1	0	17.66	0.058	17.46	0.056	17.41	0.055
1.4	16QAM	1	3	17.77	0.060	17.75	0.060	17.42	0.055
1.4	16QAM	1	5	17.75	0.060	17.55	0.057	17.37	0.055
1.4	16QAM	3	0	17.10	0.051	17.14	0.052	17.25	0.053
1.4	16QAM	3	1	17.15	0.052	17.22	0.053	17.25	0.053
1.4	16QAM	3	3	17.12	0.052	17.13	0.052	17.11	0.051
1.4	16QAM	6	0	16.63	0.046	16.42	0.044	16.35	0.043
1.4	64QAM	1	0	16.72	0.047	16.48	0.044	16.46	0.044
1.4	64QAM	1	3	16.35	0.043	16.72	0.047	16.43	0.044
1.4	64QAM	1	5	16.61	0.046	16.61	0.046	16.31	0.043
1.4	64QAM	3	0	16.42	0.044	16.49	0.045	16.39	0.044
1.4	64QAM	3	1	16.33	0.043	16.33	0.043	16.46	0.044
1.4	64QAM	3	3	16.52	0.045	16.41	0.044	16.41	0.044
1.4	64QAM	6	0	16.43	0.044	16.35	0.043	16.61	0.046



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23060		23095		23130	
Frequency (MHz)				704		707.5		711	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	19.78	0.095	19.61	0.091	19.65	0.092
10	QPSK	1	25	19.66	0.092	19.53	0.090	19.45	0.088
10	QPSK	1	49	19.52	0.090	19.70	0.093	19.57	0.091
10	QPSK	25	0	18.77	0.075	18.69	0.074	18.69	0.074
10	QPSK	25	12	18.67	0.074	18.59	0.072	18.74	0.075
10	QPSK	25	25	18.69	0.074	18.60	0.072	18.71	0.074
10	QPSK	50	0	18.81	0.076	18.60	0.072	18.77	0.075
10	16QAM	1	0	18.83	0.076	18.85	0.077	18.95	0.079
10	16QAM	1	25	18.80	0.076	18.97	0.079	18.67	0.074
10	16QAM	1	49	18.90	0.078	18.91	0.078	18.97	0.079
10	16QAM	25	0	18.59	0.072	18.61	0.073	18.49	0.071
10	16QAM	25	12	18.72	0.074	18.49	0.071	18.38	0.069
10	16QAM	25	25	18.34	0.068	18.43	0.070	18.40	0.069
10	16QAM	50	0	18.64	0.073	18.52	0.071	18.47	0.070
10	64QAM	1	0	18.23	0.067	18.41	0.069	18.49	0.071
10	64QAM	1	25	18.47	0.070	18.41	0.069	18.34	0.068
10	64QAM	1	49	18.43	0.070	18.52	0.071	18.53	0.071
10	64QAM	25	0	18.62	0.073	18.49	0.071	18.60	0.072
10	64QAM	25	12	18.49	0.071	18.43	0.070	18.34	0.068
10	64QAM	25	25	18.40	0.069	18.49	0.071	18.42	0.070
10	64QAM	50	0	18.49	0.071	18.43	0.070	18.46	0.070



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23035		23095		23155	
Frequency (MHz)				701.5		707.5		713.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	19.53	0.090	19.45	0.088	19.55	0.090
5	QPSK	1	12	19.54	0.090	19.65	0.092	19.56	0.090
5	QPSK	1	24	19.61	0.091	19.75	0.094	19.48	0.089
5	QPSK	12	0	18.61	0.073	18.70	0.074	18.62	0.073
5	QPSK	12	7	18.68	0.074	18.75	0.075	18.79	0.076
5	QPSK	12	13	18.66	0.073	18.75	0.075	18.62	0.073
5	QPSK	25	0	18.70	0.074	18.74	0.075	18.61	0.073
5	16QAM	1	0	18.81	0.076	18.74	0.075	18.92	0.078
5	16QAM	1	12	18.67	0.074	18.86	0.077	18.84	0.077
5	16QAM	1	24	19.06	0.081	18.75	0.075	19.04	0.080
5	16QAM	12	0	18.67	0.074	18.42	0.070	18.40	0.069
5	16QAM	12	7	18.49	0.071	18.47	0.070	18.45	0.070
5	16QAM	12	13	18.60	0.072	18.42	0.070	18.30	0.068
5	16QAM	25	0	18.47	0.070	18.40	0.069	18.36	0.069
5	64QAM	1	0	18.49	0.071	18.47	0.070	18.47	0.070
5	64QAM	1	12	18.39	0.069	18.19	0.066	18.19	0.066
5	64QAM	1	24	18.41	0.069	18.39	0.069	18.19	0.066
5	64QAM	12	0	18.52	0.071	18.00	0.063	18.36	0.069
5	64QAM	12	7	18.40	0.069	18.46	0.070	18.19	0.066
5	64QAM	12	13	18.47	0.070	18.36	0.069	18.39	0.069
5	64QAM	25	0	18.42	0.070	18.39	0.069	18.42	0.070



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23025		23095		23165	
Frequency (MHz)				700.5		707.5		714.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	19.63	0.092	19.62	0.092	19.56	0.090
3	QPSK	1	8	19.50	0.089	19.78	0.095	19.74	0.094
3	QPSK	1	14	19.45	0.088	19.67	0.093	19.60	0.091
3	QPSK	8	0	18.67	0.074	18.67	0.074	18.59	0.072
3	QPSK	8	4	18.65	0.073	18.68	0.074	18.68	0.074
3	QPSK	8	7	18.60	0.072	18.68	0.074	18.67	0.074
3	QPSK	15	0	18.65	0.073	18.64	0.073	18.60	0.072
3	16QAM	1	0	19.01	0.080	18.74	0.075	18.79	0.076
3	16QAM	1	8	18.90	0.078	18.83	0.076	18.85	0.077
3	16QAM	1	14	18.87	0.077	18.95	0.079	18.96	0.079
3	16QAM	8	0	18.42	0.070	18.47	0.070	18.47	0.070
3	16QAM	8	4	18.47	0.070	18.36	0.069	18.39	0.069
3	16QAM	8	7	18.42	0.070	18.16	0.065	18.17	0.066
3	16QAM	15	0	18.31	0.068	18.46	0.070	18.28	0.067
3	64QAM	1	0	18.44	0.070	18.39	0.069	18.47	0.070
3	64QAM	1	8	18.46	0.070	18.38	0.069	18.40	0.069
3	64QAM	1	14	18.48	0.070	18.35	0.068	18.29	0.067
3	64QAM	8	0	18.42	0.070	18.57	0.072	18.42	0.070
3	64QAM	8	4	18.47	0.070	18.46	0.070	18.39	0.069
3	64QAM	8	7	18.42	0.070	18.31	0.068	18.38	0.069
3	64QAM	15	0	18.41	0.069	18.57	0.072	18.46	0.070