



TEST REPORT

APPLICANT : Realme Chongqing Mobile
Telecommunications Corp., Ltd.

PRODUCT NAME : Mobile Phone

MODEL NAME : RMX3760

BRAND NAME : realme

FCC ID : 2AUYFRMX3760

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

RECEIPT DATE : 2023-03-15

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Change History		
Version	Date	Reason for change
1.0	2023-04-10	First edition



1. Technical Information

Note: Provide by applicant.

1.1. Applicant and Manufacturer Information

Applicant:	Realme Chongqing Mobile Telecommunications Corp., Ltd.
Applicant Address:	No.178 Yulong Avenue, Yufengshan, Yubei District, Chongqing, China
Manufacturer:	Realme Chongqing Mobile Telecommunications Corp., Ltd.
Manufacturer Address:	No.178 Yulong Avenue, Yufengshan, Yubei District, Chongqing, China

1.2. Equipment Under Test (EUT) Description

Product Name:	Mobile Phone	
Sample No.:	13#	
Hardware Version:	11	
Software Version:	T Edition	
Modulation Type:	QPSK, 16QAM, 64QAM	
Carrier Aggregation:	Not Support	
Operation Band:	Band 2 / 4 / 5 / 7 / 13 / 38 / 40 / 41 / 66	
Frequency Range:	LTE Band 2	Tx: 1850MHz–1910MHz
		Rx: 1930MHz–1990MHz
	LTE Band 4	Tx: 1710MHz–1755MHz
		Rx: 2110MHz–2155MHz
	LTE Band 5	Tx: 824MHz–849MHz
		Rx: 869MHz–894MHz
	LTE Band 7	Tx: 2500MHz–2570MHz
		Rx: 2620MHz–2690MHz
	LTE Band 13	Tx: 777MHz–787MHz
		Rx: 746MHz–756MHz
LTE Band 38	Tx: 2570MHz–2620MHz	
	Rx: 2570MHz–2620MHz	
LTE Band 40 Block A	Tx: 2305MHz–2315MHz	
	Rx: 2305MHz–2315MHz	
LTE Band 40	Tx: 2350MHz–2360MHz	



	Block B	Rx: 2350MHz–2360MHz
	LTE Band 41	Tx: 2535MHz –2655MHz
		Rx: 2535MHz –2655MHz
	LTE Band 66	Tx: 1710MHz –1780MHz
Rx: 2110MHz –2200MHz		
Channel Bandwidth:	LTE Band 2	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 4	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 5	1.4MHz, 3MHz, 5MHz, 10MHz
	LTE Band 7	5 MHz, 10MHz, 15MHz, 20MHz
	LTE Band 13	5 MHz, 10MHz
	LTE Band 38	5 MHz, 10MHz, 15MHz, 20MHz
	LTE Band 40	5 MHz, 10MHz
	LTE Band 41	5 MHz, 10MHz, 15MHz, 20MHz
	LTE Band 66	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
Antenna Type:	PIFA Antenna	
Antenna Gain:	Top Antenna	
	LTE Band 2	-1.7dBi
	LTE Band 4	-1.7dBi
	LTE Band 5	-5.1dBi
	LTE Band 7	-1.7dBi
	LTE Band 13	-5.1dBi
	LTE Band 38	-1.7dBi
	LTE Band 40	-2.0dBi
	LTE Band 41	-1.7dBi
	LTE Band 66	-1.7dBi
	Bottom Antenna	
	LTE Band 2	-2.1dBi
	LTE Band 4	-2.6dBi
	LTE Band 5	-5.2dBi
	LTE Band 7	-1.9dBi
	LTE Band 13	-5.6dBi
	LTE Band 38	-1.9dBi
	LTE Band 40	-2.8dBi
	LTE Band 41	-1.8dBi
	LTE Band 66	-2.5dBi



Accessory Information:	Battery 1	
	Brand Name:	SUPERVOOC
	Model No.:	BLPA17
	Serial No.:	N/A
	Capacity:	Typical: 5000mAh, Rated: 4880mAh
	Rated Voltage:	3.89V
	Charge Limit:	4.48V
	Manufacturer:	Dongguan NVT Technology Co., Ltd.
	Battery 2	
	Brand Name:	SUPERVOOC
	Model No.:	BLPA17
	Serial No.:	N/A
	Capacity:	Typical: 5000mAh, Rated: 4880mAh
	Rated Voltage:	3.89V
	Charge Limit:	4.48V
	Manufacturer:	TWS Technology (Guangzhou) Limited
	AC Adapter 1	
	Brand Name:	SUPERVOOC
	Model No.:	VCB3HDUH
	Serial No.:	N/A
	Rated Output:	5V=2A or 5-11V=3A Max
	Rated Input:	100-240V~50/60Hz, 1.2A
	Manufacturer:	Dongguan YOHO Electronic Technology Co., Ltd.
	AC Adapter 2	
	Brand Name:	SUPERVOOC
	Model No.:	VCB3HDUH
	Serial No.:	N/A
Rated Output:	5V=2A or 5-11V=3A Max	
Rated Input:	100-240V~50/60Hz, 1.2A	
Manufacturer:	Huizhou Golden Lake Industrial Co., Ltd.	
AC Adapter 3		
Brand Name:	SUPERVOOC	
Model No.:	VCB3HDUH	
Serial No.:	N/A	
Rated Output:	5V=2A or 5-11V=3A Max	



	Rated Input:	100-240V~50/60Hz, 1.2A
	Manufacturer:	SHENZHEN HUNTKEY ELECTRIC CO., LTD.
	USB Cable 1	
	Model No.:	DL143
	USB Cable 2	
	Model No.:	DL129
	Earphone	
	Model No.:	MH156

Note 1: SIM 1 and SIM 2 is a chipset unit and tested as a single chipset. The SIM 1 is chosen for test.

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	0.125	0.096	0.068	0.114	0.088	0.062
15	0.124	0.095	0.067	0.113	0.086	0.061
10	0.122	0.095	0.067	0.112	0.087	0.061
5	0.123	0.096	0.067	0.112	0.087	0.062
3	0.123	0.095	0.066	0.112	0.087	0.061
1.4	0.122	0.095	0.067	0.112	0.086	0.061
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	0.121	0.110	0.068	0.098	0.090	0.056
15	0.118	0.109	0.067	0.096	0.089	0.054
10	0.121	0.109	0.068	0.098	0.089	0.055
5	0.119	0.110	0.068	0.097	0.089	0.055
3	0.121	0.110	0.068	0.098	0.089	0.055
1.4	0.120	0.108	0.068	0.097	0.088	0.055
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	0.042	0.033	0.027	0.041	0.033	0.027
5	0.042	0.033	0.027	0.041	0.032	0.026
3	0.041	0.033	0.027	0.040	0.032	0.026
1.4	0.042	0.033	0.027	0.041	0.032	0.026
LTE Band 7	Maximum E.R.P./E.I.R.P. (W)					
	Top Antenna			Bottom Antenna		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.123	0.095	0.076	0.118	0.091	0.072
15	0.122	0.094	0.075	0.117	0.090	0.072
10	0.122	0.094	0.075	0.117	0.090	0.072
5	0.121	0.094	0.074	0.116	0.090	0.071



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	0.044	0.036	0.026	0.039	0.032	0.024
5	0.043	0.035	0.026	0.038	0.031	0.023
LTE Band 38	Maximum E.R.P./E.I.R.P. (W)					
	Top Antenna			Bottom Antenna		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.139	0.092	0.070	0.133	0.087	0.067
15	0.138	0.091	0.069	0.132	0.087	0.066
10	0.139	0.090	0.069	0.133	0.086	0.066
5	0.137	0.090	0.069	0.131	0.086	0.065
LTE Band 40 Block A	Maximum E.R.P./E.I.R.P. (W)					
	Top Antenna			Bottom Antenna		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10	0.125	0.083	0.065	0.104	0.069	0.054
5	0.124	0.083	0.065	0.104	0.069	0.054
LTE Band 40 Block B	Maximum E.R.P./E.I.R.P. (W)					
	Top Antenna			Bottom Antenna		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10	0.124	0.083	0.064	0.103	0.069	0.054
5	0.122	0.083	0.065	0.102	0.069	0.054
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	0.137	0.099	0.085	0.134	0.096	0.083
15	0.136	0.098	0.084	0.133	0.096	0.082
10	0.137	0.098	0.085	0.134	0.095	0.083
5	0.136	0.098	0.084	0.132	0.095	0.082
LTE Band 66	Maximum E.R.P./E.I.R.P. (W)					
	Top Antenna			Bottom Antenna		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.129	0.111	0.073	0.108	0.092	0.061
15	0.127	0.110	0.073	0.106	0.092	0.061
10	0.129	0.109	0.072	0.107	0.091	0.060
5	0.127	0.109	0.073	0.106	0.091	0.061
3	0.129	0.110	0.072	0.107	0.092	0.060
1.4	0.127	0.109	0.073	0.106	0.091	0.061



LTE Band 2	Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM
1.4	1M10G7D	1M10W7D	1M11W7D
3	2M74G7D	2M71W7D	2M72W7D
5	4M51G7D	4M51W7D	4M52W7D
10	9M03G7D	8M98W7D	9M01W7D
15	13M5G7D	13M5W7D	13M5W7D
20	18M0G7D	18M0W7D	18M0W7D
LTE Band 4	Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM
1.4	1M10G7D	1M10W7D	1M11W7D
3	2M72G7D	2M72W7D	2M71W7D
5	4M51G7D	4M50W7D	4M51W7D
10	9M00G7D	8M98W7D	9M01W7D
15	13M5G7D	13M5W7D	13M5W7D
20	18M0G7D	18M0W7D	18M1W7D
LTE Band 5	Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM
1.4	1M10G7D	1M10W7D	1M10W7D
3	2M71G7D	2M72W7D	2M71W7D
5	4M50G7D	4M50W7D	4M51W7D
10	9M00G7D	8M99W7D	9M02W7D
LTE Band 7	Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM
5	4M50G7D	4M50W7D	4M51W7D
10	9M05G7D	8M98W7D	9M02W7D
15	13M6G7D	13M5W7D	13M5W7D
20	18M2G7D	18M0W7D	18M0W7D
LTE Band 13	Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM
5	4M51G7D	4M51W7D	4M51W7D
10	9M01G7D	8M97W7D	9M00W7D
LTE Band 38	Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM
5	4M51G7D	4M52W7D	4M51W7D
10	8M99G7D	8M99W7D	9M02W7D
15	13M5G7D	13M5W7D	13M5W7D
20	18M0G7D	18M0W7D	18M0W7D



LTE Band 40 Block A		Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	
5	4M51G7D	4M51W7D	4M52W7D	
10	9M00G7D	8M98W7D	8M99W7D	
LTE Band 40 Block B		Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	
5	4M51G7D	4M51W7D	4M51W7D	
10	8M98G7D	8M97W7D	9M01W7D	
LTE Band 41		Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	
5	4M51G7D	4M51W7D	4M51W7D	
10	9M00G7D	8M98W7D	9M02W7D	
15	13M5G7D	13M5W7D	13M5W7D	
20	18M0G7D	18M0W7D	18M0W7D	
LTE Band 66		Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	
1.4	1M10G7D	1M10W7D	1M10W7D	
3	2M72G7D	2M73W7D	2M72W7D	
5	4M50G7D	4M51W7D	4M50W7D	
10	9M00G7D	8M97W7D	9M03W7D	
15	13M5G7D	13M5W7D	13M5W7D	
20	18M0G7D	18M0W7D	18M0W7D	



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(a)(3) 27.50(b)(10) 27.50(c)(10) 27.50(d)(4) 27.50(h)(2)	Transmitter Conducted Output Power and E.R.P./E.I.R.P.	Apr. 03, 2023	Chen Hao Li Huaijie	PASS	No deviation
2.1049	Occupied Bandwidth	Mar. 21&22, 2023	Li Huaijie	PASS	No deviation
2.1055 22.355 24.235 27.54	Frequency Stability	Mar. 21&22, 2023	Li Huaijie	PASS	No deviation
24.232(d), 27.50(d)(5)	Peak to Average Radio	Mar. 21&22, 2023	Li Huaijie	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(a)(4) 27.53(c)(2) 27.53(g) 27.53(h) 27.53(m)(4)	Conducted Spurious Emissions	Mar. 21&22, 2023	Li Huaijie	PASS	No deviation



2.1051 22.917(a) 24.238(a) 27.53(a)(4) 27.53(c)(2) 27.53(g) 27.53(h) 27.53(m)(4)	Band Edge	Mar. 21&22, 2023	Li Huaijie	PASS	No deviation
2.1053 22.917(a) 24.238(a) 27.53(a)(4) 27.53(c)(2) 27.53(g) 27.53(h) 27.53(m)(4)	Radiated Spurious Emissions	Mar. 23, 2023	Gao Jianrou	PASS	No deviation

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

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

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

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

1.5. Environmental Conditions

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

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



2. 47 CFR Part 2, Part 22H, Part 24E, Part 27 D&F&H&L&M Requirements

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

2.1.1. Requirement

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

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

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

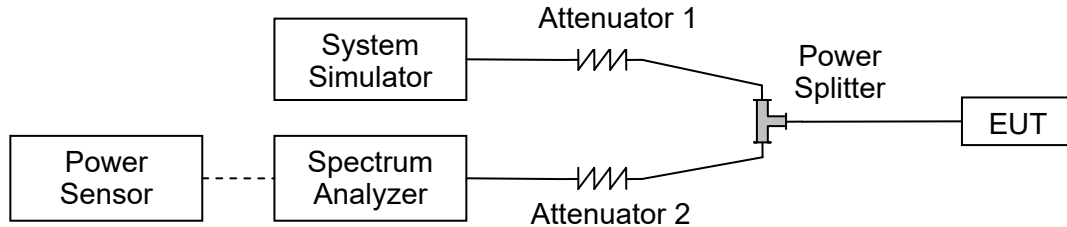
According to FCC section 22.913 (a)(2) for LTE Band 5, the E.R.P. of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

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

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

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

2.1.2. Test Description



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

2.1.3. Test Procedure

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

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

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



2.1.4. Result

Conducted Output Power

LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18700	18900	19100
Frequency (MHz)				1860	1880	1900
20	QPSK	1	0	22.55	22.66	22.58
20	QPSK	1	49	22.50	22.60	22.50
20	QPSK	1	99	22.54	22.58	22.53
20	QPSK	50	0	21.63	21.68	21.65
20	QPSK	50	24	21.43	21.53	21.48
20	QPSK	50	50	21.41	21.48	21.41
20	QPSK	100	0	21.47	21.52	21.48
20	16QAM	1	0	21.50	21.54	21.47
20	16QAM	1	49	21.48	21.50	21.40
20	16QAM	1	99	21.38	21.46	21.44
20	16QAM	50	0	20.45	20.48	20.45
20	16QAM	50	24	20.38	20.47	20.44
20	16QAM	50	50	20.36	20.45	20.38
20	16QAM	100	0	20.54	20.57	20.53
20	64QAM	1	0	19.93	20.00	19.98
20	64QAM	1	49	19.91	19.97	19.91
20	64QAM	1	99	19.88	19.98	19.96
20	64QAM	50	0	18.76	18.80	18.72
20	64QAM	50	24	18.70	18.78	18.70
20	64QAM	50	50	18.72	18.77	18.73
20	64QAM	100	0	18.71	18.73	18.70



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	22.48	22.63	22.54
15	QPSK	1	37	22.40	22.50	22.42
15	QPSK	1	74	22.44	22.55	22.43
15	QPSK	36	0	21.61	21.67	21.61
15	QPSK	36	20	21.36	21.52	21.41
15	QPSK	36	39	21.37	21.40	21.36
15	QPSK	75	0	21.37	21.42	21.38
15	16QAM	1	0	21.46	21.47	21.38
15	16QAM	1	37	21.46	21.41	21.36
15	16QAM	1	74	21.33	21.37	21.34
15	16QAM	36	0	20.40	20.42	20.44
15	16QAM	36	20	20.35	20.45	20.38
15	16QAM	36	39	20.32	20.35	20.30
15	16QAM	75	0	20.45	20.53	20.48
15	64QAM	1	0	19.87	19.98	19.92
15	64QAM	1	37	19.84	19.94	19.87
15	64QAM	1	74	19.83	19.89	19.92
15	64QAM	36	0	18.71	18.71	18.67
15	64QAM	36	20	18.62	18.71	18.64
15	64QAM	36	39	18.68	18.69	18.66
15	64QAM	75	0	18.61	18.69	18.65



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	22.50	22.58	22.51
10	QPSK	1	25	22.43	22.51	22.40
10	QPSK	1	49	22.47	22.51	22.50
10	QPSK	25	0	21.58	21.66	21.60
10	QPSK	25	12	21.41	21.52	21.46
10	QPSK	25	25	21.39	21.40	21.32
10	QPSK	50	0	21.45	21.46	21.46
10	16QAM	1	0	21.48	21.49	21.38
10	16QAM	1	25	21.47	21.45	21.32
10	16QAM	1	49	21.34	21.42	21.39
10	16QAM	25	0	20.39	20.44	20.38
10	16QAM	25	12	20.37	20.45	20.43
10	16QAM	25	25	20.35	20.39	20.36
10	16QAM	50	0	20.49	20.56	20.44
10	64QAM	1	0	19.85	19.97	19.89
10	64QAM	1	25	19.84	19.96	19.86
10	64QAM	1	49	19.85	19.89	19.93
10	64QAM	25	0	18.74	18.70	18.63
10	64QAM	25	12	18.69	18.72	18.63
10	64QAM	25	25	18.69	18.70	18.65
10	64QAM	50	0	18.67	18.65	18.67



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	22.48	22.59	22.48
5	QPSK	1	12	22.47	22.55	22.45
5	QPSK	1	24	22.52	22.49	22.46
5	QPSK	12	0	21.61	21.59	21.55
5	QPSK	12	7	21.39	21.47	21.44
5	QPSK	12	13	21.31	21.47	21.37
5	QPSK	25	0	21.45	21.48	21.46
5	16QAM	1	0	21.40	21.52	21.43
5	16QAM	1	12	21.42	21.48	21.34
5	16QAM	1	24	21.32	21.38	21.42
5	16QAM	12	0	20.38	20.41	20.41
5	16QAM	12	7	20.30	20.46	20.43
5	16QAM	12	13	20.34	20.35	20.29
5	16QAM	25	0	20.51	20.56	20.50
5	64QAM	1	0	19.88	19.99	19.89
5	64QAM	1	12	19.85	19.95	19.83
5	64QAM	1	24	19.86	19.96	19.87
5	64QAM	12	0	18.70	18.77	18.71
5	64QAM	12	7	18.69	18.70	18.67
5	64QAM	12	13	18.66	18.69	18.69
5	64QAM	25	0	18.64	18.68	18.65



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	22.46	22.60	22.50
3	QPSK	1	8	22.40	22.51	22.46
3	QPSK	1	14	22.51	22.54	22.44
3	QPSK	8	0	21.59	21.62	21.60
3	QPSK	8	4	21.34	21.49	21.43
3	QPSK	8	7	21.39	21.47	21.35
3	QPSK	15	0	21.43	21.47	21.43
3	16QAM	1	0	21.43	21.49	21.37
3	16QAM	1	8	21.43	21.45	21.38
3	16QAM	1	14	21.28	21.42	21.40
3	16QAM	8	0	20.36	20.47	20.38
3	16QAM	8	4	20.34	20.42	20.43
3	16QAM	8	7	20.34	20.39	20.32
3	16QAM	15	0	20.53	20.49	20.48
3	64QAM	1	0	19.85	19.90	19.90
3	64QAM	1	8	19.88	19.88	19.87
3	64QAM	1	14	19.81	19.92	19.86
3	64QAM	8	0	18.67	18.78	18.71
3	64QAM	8	4	18.60	18.69	18.61
3	64QAM	8	7	18.71	18.71	18.65
3	64QAM	15	0	18.65	18.66	18.63



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	22.54	22.56	22.50
1.4	QPSK	1	3	22.43	22.50	22.49
1.4	QPSK	1	5	22.49	22.55	22.46
1.4	QPSK	3	0	22.53	22.47	22.58
1.4	QPSK	3	1	22.39	22.49	22.43
1.4	QPSK	3	3	22.32	22.41	22.34
1.4	QPSK	6	0	21.43	21.51	21.44
1.4	16QAM	1	0	21.46	21.47	21.45
1.4	16QAM	1	3	21.38	21.42	21.33
1.4	16QAM	1	5	21.31	21.45	21.37
1.4	16QAM	3	0	21.38	21.42	21.37
1.4	16QAM	3	1	21.34	21.42	21.40
1.4	16QAM	3	3	21.33	21.42	21.29
1.4	16QAM	6	0	20.53	20.47	20.52
1.4	64QAM	1	0	19.87	19.95	19.90
1.4	64QAM	1	3	19.82	19.90	19.89
1.4	64QAM	1	5	19.78	19.91	19.95
1.4	64QAM	3	0	19.66	19.77	19.64
1.4	64QAM	3	1	19.62	19.75	19.66
1.4	64QAM	3	3	19.70	19.67	19.67
1.4	64QAM	6	0	18.64	18.63	18.65



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	22.47	22.52	22.41
20	QPSK	1	49	22.40	22.42	22.41
20	QPSK	1	99	22.35	22.45	22.38
20	QPSK	50	0	21.44	21.52	21.49
20	QPSK	50	24	21.35	21.40	21.33
20	QPSK	50	50	21.30	21.38	21.37
20	QPSK	100	0	21.39	21.42	21.32
20	16QAM	1	0	22.05	22.13	22.10
20	16QAM	1	49	22.11	22.12	22.04
20	16QAM	1	99	22.02	22.10	22.05
20	16QAM	50	0	19.95	19.99	19.98
20	16QAM	50	24	19.92	19.96	19.93
20	16QAM	50	50	19.91	19.95	19.92
20	16QAM	100	0	20.31	20.41	20.38
20	64QAM	1	0	20.02	20.05	19.96
20	64QAM	1	49	19.97	20.04	19.99
20	64QAM	1	99	19.93	20.00	19.99
20	64QAM	50	0	18.92	18.94	18.88
20	64QAM	50	24	18.89	18.92	18.85
20	64QAM	50	50	18.87	18.91	18.84
20	64QAM	100	0	18.88	18.92	18.86



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	22.41	22.43	22.39
15	QPSK	1	37	22.36	22.37	22.32
15	QPSK	1	74	22.29	22.37	22.37
15	QPSK	36	0	21.34	21.46	21.44
15	QPSK	36	20	21.30	21.38	21.31
15	QPSK	36	39	21.25	21.30	21.34
15	QPSK	75	0	21.36	21.39	21.31
15	16QAM	1	0	21.95	22.03	22.09
15	16QAM	1	37	22.02	22.04	21.96
15	16QAM	1	74	21.93	22.09	22.01
15	16QAM	36	0	19.89	19.97	19.88
15	16QAM	36	20	19.87	19.95	19.90
15	16QAM	36	39	19.87	19.89	19.87
15	16QAM	75	0	20.24	20.39	20.28
15	64QAM	1	0	19.93	19.95	19.88
15	64QAM	1	37	19.89	19.96	19.89
15	64QAM	1	74	19.91	19.96	19.95
15	64QAM	36	0	18.85	18.92	18.82
15	64QAM	36	20	18.83	18.83	18.83
15	64QAM	36	39	18.85	18.83	18.76
15	64QAM	75	0	18.81	18.84	18.80



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	22.38	22.51	22.40
10	QPSK	1	25	22.35	22.37	22.39
10	QPSK	1	49	22.26	22.38	22.32
10	QPSK	25	0	21.43	21.46	21.46
10	QPSK	25	12	21.26	21.38	21.30
10	QPSK	25	25	21.22	21.36	21.28
10	QPSK	50	0	21.34	21.40	21.28
10	16QAM	1	0	22.02	22.07	22.03
10	16QAM	1	25	22.06	22.07	21.99
10	16QAM	1	49	21.95	22.00	21.95
10	16QAM	25	0	19.88	19.94	19.95
10	16QAM	25	12	19.82	19.93	19.84
10	16QAM	25	25	19.88	19.93	19.89
10	16QAM	50	0	20.29	20.36	20.36
10	64QAM	1	0	19.93	19.98	19.86
10	64QAM	1	25	19.91	20.01	19.98
10	64QAM	1	49	19.91	19.99	19.91
10	64QAM	25	0	18.82	18.90	18.86
10	64QAM	25	12	18.83	18.85	18.82
10	64QAM	25	25	18.86	18.82	18.78
10	64QAM	50	0	18.80	18.88	18.84



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	22.39	22.47	22.31
5	QPSK	1	12	22.32	22.39	22.33
5	QPSK	1	24	22.25	22.35	22.33
5	QPSK	12	0	21.42	21.45	21.42
5	QPSK	12	7	21.30	21.38	21.30
5	QPSK	12	13	21.24	21.31	21.34
5	QPSK	25	0	21.30	21.37	21.24
5	16QAM	1	0	21.96	22.03	22.07
5	16QAM	1	12	22.02	22.10	22.02
5	16QAM	1	24	22.01	22.00	21.96
5	16QAM	12	0	19.88	19.90	19.95
5	16QAM	12	7	19.83	19.90	19.83
5	16QAM	12	13	19.88	19.85	19.85
5	16QAM	25	0	20.21	20.33	20.33
5	64QAM	1	0	19.92	20.02	19.89
5	64QAM	1	12	19.94	19.94	19.97
5	64QAM	1	24	19.85	19.93	19.96
5	64QAM	12	0	18.90	18.85	18.86
5	64QAM	12	7	18.86	18.90	18.78
5	64QAM	12	13	18.79	18.88	18.76
5	64QAM	25	0	18.83	18.90	18.79



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	22.41	22.51	22.40
3	QPSK	1	8	22.32	22.35	22.39
3	QPSK	1	14	22.31	22.41	22.31
3	QPSK	8	0	21.38	21.44	21.41
3	QPSK	8	4	21.25	21.39	21.25
3	QPSK	8	7	21.20	21.32	21.30
3	QPSK	15	0	21.34	21.35	21.31
3	16QAM	1	0	22.02	22.08	22.07
3	16QAM	1	8	22.10	22.08	21.98
3	16QAM	1	14	21.96	22.09	22.01
3	16QAM	8	0	19.89	19.96	19.95
3	16QAM	8	4	19.82	19.91	19.85
3	16QAM	8	7	19.87	19.93	19.85
3	16QAM	15	0	20.25	20.32	20.35
3	64QAM	1	0	19.93	20.04	19.87
3	64QAM	1	8	19.96	20.00	19.95
3	64QAM	1	14	19.84	19.92	19.90
3	64QAM	8	0	18.91	18.84	18.85
3	64QAM	8	4	18.84	18.87	18.75
3	64QAM	8	7	18.77	18.86	18.76
3	64QAM	15	0	18.85	18.84	18.84



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	22.39	22.49	22.37
1.4	QPSK	1	3	22.33	22.36	22.33
1.4	QPSK	1	5	22.28	22.42	22.32
1.4	QPSK	3	0	22.39	22.47	22.41
1.4	QPSK	3	1	22.27	22.38	22.32
1.4	QPSK	3	3	22.25	22.32	22.35
1.4	QPSK	6	0	21.32	21.40	21.26
1.4	16QAM	1	0	21.96	22.04	22.02
1.4	16QAM	1	3	22.03	22.04	21.98
1.4	16QAM	1	5	21.95	22.01	22.00
1.4	16QAM	3	0	20.88	20.91	20.93
1.4	16QAM	3	1	20.88	20.93	20.86
1.4	16QAM	3	3	20.87	20.85	20.82
1.4	16QAM	6	0	20.21	20.40	20.33
1.4	64QAM	1	0	19.99	20.01	19.91
1.4	64QAM	1	3	19.91	19.99	19.97
1.4	64QAM	1	5	19.85	19.91	19.90
1.4	64QAM	3	0	19.84	19.90	19.84
1.4	64QAM	3	1	19.86	19.82	19.77
1.4	64QAM	3	3	19.85	19.87	19.74
1.4	64QAM	6	0	18.86	18.84	18.82



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20450	20525	20600
Frequency (MHz)				829	836.5	844
10	QPSK	1	0	23.40	23.50	23.43
10	QPSK	1	25	23.35	23.45	23.38
10	QPSK	1	49	23.38	23.41	23.36
10	QPSK	25	0	22.33	22.42	22.31
10	QPSK	25	12	22.32	22.40	22.30
10	QPSK	25	25	22.33	22.36	22.32
10	QPSK	50	0	22.32	22.33	22.27
10	16QAM	1	0	22.45	22.48	22.42
10	16QAM	1	25	22.42	22.45	22.44
10	16QAM	1	49	22.36	22.44	22.37
10	16QAM	25	0	21.46	21.52	21.42
10	16QAM	25	12	21.43	21.51	21.45
10	16QAM	25	25	21.45	21.49	21.43
10	16QAM	50	0	21.23	21.29	21.21
10	64QAM	1	0	21.54	21.59	21.49
10	64QAM	1	25	21.53	21.58	21.48
10	64QAM	1	49	21.52	21.56	21.53
10	64QAM	25	0	19.84	19.87	19.78
10	64QAM	25	12	19.83	19.84	19.83
10	64QAM	25	25	19.84	19.86	19.80
10	64QAM	50	0	20.17	20.25	20.24



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	23.36	23.49	23.39
5	QPSK	1	12	23.32	23.39	23.32
5	QPSK	1	24	23.30	23.35	23.33
5	QPSK	12	0	22.30	22.38	22.23
5	QPSK	12	7	22.27	22.36	22.25
5	QPSK	12	13	22.30	22.34	22.28
5	QPSK	25	0	22.22	22.25	22.22
5	16QAM	1	0	22.44	22.40	22.33
5	16QAM	1	12	22.38	22.44	22.43
5	16QAM	1	24	22.28	22.39	22.35
5	16QAM	12	0	21.42	21.47	21.34
5	16QAM	12	7	21.33	21.42	21.40
5	16QAM	12	13	21.39	21.45	21.40
5	16QAM	25	0	21.16	21.19	21.14
5	64QAM	1	0	21.48	21.49	21.44
5	64QAM	1	12	21.44	21.54	21.43
5	64QAM	1	24	21.48	21.50	21.45
5	64QAM	12	0	19.82	19.79	19.70
5	64QAM	12	7	19.77	19.82	19.81
5	64QAM	12	13	19.81	19.85	19.78
5	64QAM	25	0	20.08	20.20	20.22



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	23.35	23.42	23.42
3	QPSK	1	8	23.32	23.40	23.30
3	QPSK	1	14	23.36	23.33	23.28
3	QPSK	8	0	22.26	22.38	22.26
3	QPSK	8	4	22.23	22.38	22.28
3	QPSK	8	7	22.28	22.34	22.26
3	QPSK	15	0	22.23	22.27	22.26
3	16QAM	1	0	22.44	22.43	22.35
3	16QAM	1	8	22.33	22.41	22.36
3	16QAM	1	14	22.32	22.39	22.35
3	16QAM	8	0	21.44	21.46	21.38
3	16QAM	8	4	21.33	21.43	21.42
3	16QAM	8	7	21.44	21.48	21.41
3	16QAM	15	0	21.16	21.25	21.19
3	64QAM	1	0	21.45	21.54	21.43
3	64QAM	1	8	21.43	21.53	21.44
3	64QAM	1	14	21.46	21.53	21.51
3	64QAM	8	0	19.79	19.83	19.76
3	64QAM	8	4	19.82	19.76	19.77
3	64QAM	8	7	19.81	19.85	19.71
3	64QAM	15	0	20.14	20.19	20.15



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20407	20525	20643
Frequency (MHz)				824.7	836.5	848.3
1.4	QPSK	1	0	23.39	23.46	23.39
1.4	QPSK	1	3	23.30	23.44	23.29
1.4	QPSK	1	5	23.29	23.33	23.29
1.4	QPSK	3	0	23.19	23.28	23.19
1.4	QPSK	3	1	23.17	23.19	23.17
1.4	QPSK	3	3	23.17	23.19	23.19
1.4	QPSK	6	0	22.26	22.30	22.18
1.4	16QAM	1	0	22.39	22.44	22.39
1.4	16QAM	1	3	22.38	22.37	22.38
1.4	16QAM	1	5	22.31	22.35	22.32
1.4	16QAM	3	0	22.26	22.34	22.26
1.4	16QAM	3	1	22.23	22.37	22.27
1.4	16QAM	3	3	22.29	22.34	22.21
1.4	16QAM	6	0	21.14	21.22	21.16
1.4	64QAM	1	0	21.50	21.51	21.44
1.4	64QAM	1	3	21.50	21.52	21.39
1.4	64QAM	1	5	21.44	21.52	21.43
1.4	64QAM	3	0	20.65	20.73	20.62
1.4	64QAM	3	1	20.70	20.68	20.68
1.4	64QAM	3	3	20.69	20.70	20.62
1.4	64QAM	6	0	20.14	20.24	20.16



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20850	21100	21350
Frequency (MHz)				2510	2535	2560
20	QPSK	1	0	22.55	22.61	22.59
20	QPSK	1	49	22.48	22.58	22.52
20	QPSK	1	99	22.46	22.54	22.45
20	QPSK	50	0	21.50	21.51	21.48
20	QPSK	50	24	21.47	21.49	21.43
20	QPSK	50	50	21.41	21.47	21.44
20	QPSK	100	0	21.39	21.48	21.46
20	16QAM	1	0	21.45	21.48	21.44
20	16QAM	1	49	21.39	21.47	21.44
20	16QAM	1	99	21.39	21.45	21.40
20	16QAM	50	0	20.45	20.49	20.44
20	16QAM	50	24	20.45	20.46	20.40
20	16QAM	50	50	20.41	20.43	20.36
20	16QAM	100	0	20.33	20.41	20.34
20	64QAM	1	0	20.40	20.48	20.46
20	64QAM	1	49	20.37	20.45	20.44
20	64QAM	1	99	20.37	20.44	20.41
20	64QAM	50	0	18.65	18.68	18.64
20	64QAM	50	24	18.56	18.65	18.60
20	64QAM	50	50	18.58	18.64	18.54
20	64QAM	100	0	18.67	18.69	18.59



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20825	21100	21375
Frequency (MHz)				2507.5	2535	2562.5
15	QPSK	1	0	22.45	22.57	22.58
15	QPSK	1	37	22.38	22.57	22.49
15	QPSK	1	74	22.41	22.52	22.44
15	QPSK	36	0	21.46	21.41	21.44
15	QPSK	36	20	21.42	21.43	21.37
15	QPSK	36	39	21.38	21.41	21.36
15	QPSK	75	0	21.33	21.44	21.40
15	16QAM	1	0	21.36	21.40	21.43
15	16QAM	1	37	21.36	21.40	21.36
15	16QAM	1	74	21.37	21.35	21.37
15	16QAM	36	0	20.43	20.44	20.40
15	16QAM	36	20	20.41	20.42	20.31
15	16QAM	36	39	20.38	20.41	20.31
15	16QAM	75	0	20.24	20.32	20.27
15	64QAM	1	0	20.37	20.44	20.45
15	64QAM	1	37	20.31	20.35	20.34
15	64QAM	1	74	20.32	20.39	20.36
15	64QAM	36	0	18.63	18.61	18.63
15	64QAM	36	20	18.48	18.62	18.56
15	64QAM	36	39	18.51	18.56	18.47
15	64QAM	75	0	18.65	18.59	18.50



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20800	21100	21400
Frequency (MHz)				2505	2535	2565
10	QPSK	1	0	22.52	22.52	22.57
10	QPSK	1	25	22.47	22.49	22.50
10	QPSK	1	49	22.44	22.46	22.35
10	QPSK	25	0	21.44	21.46	21.48
10	QPSK	25	12	21.42	21.43	21.33
10	QPSK	25	25	21.33	21.43	21.35
10	QPSK	50	0	21.33	21.47	21.39
10	16QAM	1	0	21.44	21.39	21.43
10	16QAM	1	25	21.31	21.39	21.41
10	16QAM	1	49	21.36	21.38	21.35
10	16QAM	25	0	20.38	20.42	20.34
10	16QAM	25	12	20.43	20.40	20.39
10	16QAM	25	25	20.33	20.34	20.28
10	16QAM	50	0	20.32	20.38	20.24
10	64QAM	1	0	20.32	20.46	20.44
10	64QAM	1	25	20.33	20.35	20.37
10	64QAM	1	49	20.35	20.40	20.35
10	64QAM	25	0	18.55	18.59	18.57
10	64QAM	25	12	18.49	18.61	18.51
10	64QAM	25	25	18.55	18.58	18.45
10	64QAM	50	0	18.59	18.62	18.51



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20775	21100	21425
Frequency (MHz)				2502.5	2535	2567.5
5	QPSK	1	0	22.53	22.53	22.52
5	QPSK	1	12	22.44	22.53	22.47
5	QPSK	1	24	22.42	22.44	22.44
5	QPSK	12	0	21.43	21.47	21.42
5	QPSK	12	7	21.45	21.41	21.33
5	QPSK	12	13	21.39	21.43	21.36
5	QPSK	25	0	21.30	21.42	21.38
5	16QAM	1	0	21.37	21.42	21.41
5	16QAM	1	12	21.33	21.37	21.37
5	16QAM	1	24	21.29	21.43	21.38
5	16QAM	12	0	20.36	20.44	20.38
5	16QAM	12	7	20.37	20.38	20.35
5	16QAM	12	13	20.35	20.37	20.30
5	16QAM	25	0	20.24	20.34	20.30
5	64QAM	1	0	20.38	20.38	20.36
5	64QAM	1	12	20.33	20.40	20.39
5	64QAM	1	24	20.35	20.34	20.33
5	64QAM	12	0	18.64	18.59	18.54
5	64QAM	12	7	18.46	18.61	18.54
5	64QAM	12	13	18.50	18.61	18.46
5	64QAM	25	0	18.63	18.65	18.49



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	/	23.64	/
10	QPSK	1	25	/	23.61	/
10	QPSK	1	49	/	23.59	/
10	QPSK	25	0	/	22.45	/
10	QPSK	25	12	/	22.40	/
10	QPSK	25	25	/	22.39	/
10	QPSK	50	0	/	22.34	/
10	16QAM	1	0	/	22.77	/
10	16QAM	1	25	/	22.75	/
10	16QAM	1	49	/	22.74	/
10	16QAM	25	0	/	21.35	/
10	16QAM	25	12	/	21.33	/
10	16QAM	25	25	/	21.34	/
10	16QAM	50	0	/	21.56	/
10	64QAM	1	0	/	21.48	/
10	64QAM	1	25	/	21.47	/
10	64QAM	1	49	/	21.45	/
10	64QAM	25	0	/	19.80	/
10	64QAM	25	12	/	19.77	/
10	64QAM	25	25	/	19.89	/
10	64QAM	50	0	/	20.11	/



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	23.58	23.59	23.52
5	QPSK	1	12	23.52	23.56	23.55
5	QPSK	1	24	23.56	23.56	23.50
5	QPSK	12	0	22.43	22.42	22.40
5	QPSK	12	7	22.30	22.33	22.38
5	QPSK	12	13	22.37	22.30	22.34
5	QPSK	25	0	22.28	22.28	22.28
5	16QAM	1	0	22.73	22.67	22.73
5	16QAM	1	12	22.72	22.73	22.67
5	16QAM	1	24	22.69	22.65	22.68
5	16QAM	12	0	21.34	21.32	21.27
5	16QAM	12	7	21.30	21.31	21.23
5	16QAM	12	13	21.30	21.31	21.24
5	16QAM	25	0	21.50	21.46	21.49
5	64QAM	1	0	21.46	21.42	21.40
5	64QAM	1	12	21.41	21.38	21.37
5	64QAM	1	24	21.44	21.36	21.37
5	64QAM	12	0	19.70	19.73	19.78
5	64QAM	12	7	19.72	19.76	19.72
5	64QAM	12	13	19.79	19.81	19.86
5	64QAM	25	0	20.04	20.02	20.10



LTE Band 38						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				37850	38000	38150
Frequency (MHz)				2580	2595	2610
20	QPSK	1	0	23.10	23.14	23.05
20	QPSK	1	49	23.09	23.10	23.07
20	QPSK	1	99	23.01	23.09	23.01
20	QPSK	50	0	21.70	21.88	21.75
20	QPSK	50	24	21.64	21.66	21.64
20	QPSK	50	50	21.61	21.63	21.60
20	QPSK	100	0	21.42	21.46	21.45
20	16QAM	1	0	21.23	21.32	21.23
20	16QAM	1	49	21.20	21.30	21.25
20	16QAM	1	99	21.25	21.28	21.21
20	16QAM	50	0	20.64	20.74	20.65
20	16QAM	50	24	20.61	20.71	20.62
20	16QAM	50	50	20.64	20.70	20.69
20	16QAM	100	0	20.34	20.42	20.36
20	64QAM	1	0	20.03	20.13	20.03
20	64QAM	1	49	20.04	20.10	20.04
20	64QAM	1	99	20.05	20.09	20.03
20	64QAM	50	0	19.30	19.37	19.35
20	64QAM	50	24	19.29	19.36	19.34
20	64QAM	50	50	19.28	19.34	19.26
20	64QAM	100	0	19.24	19.25	19.15



LTE Band 38						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				37825	38000	38175
Frequency (MHz)				2577.5	2595	2612.5
15	QPSK	1	0	23.08	23.11	23.00
15	QPSK	1	37	23.00	23.09	23.06
15	QPSK	1	74	22.98	23.01	22.93
15	QPSK	36	0	21.68	21.72	21.71
15	QPSK	36	20	21.59	21.62	21.56
15	QPSK	36	39	21.57	21.59	21.54
15	QPSK	75	0	21.34	21.41	21.42
15	16QAM	1	0	21.15	21.29	21.19
15	16QAM	1	37	21.11	21.25	21.23
15	16QAM	1	74	21.22	21.22	21.19
15	16QAM	36	0	20.59	20.66	20.58
15	16QAM	36	20	20.51	20.63	20.52
15	16QAM	36	39	20.55	20.62	20.62
15	16QAM	75	0	20.32	20.39	20.30
15	64QAM	1	0	20.01	20.11	20.08
15	64QAM	1	37	20.00	20.07	20.05
15	64QAM	1	74	20.01	20.00	20.02
15	64QAM	36	0	19.28	19.32	19.26
15	64QAM	36	20	19.26	19.32	19.32
15	64QAM	36	39	19.26	19.33	19.16
15	64QAM	75	0	19.17	19.17	19.05



LTE Band 38						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				37800	38000	38200
Frequency (MHz)				2575	2595	2615
10	QPSK	1	0	23.02	23.13	23.04
10	QPSK	1	25	23.07	23.03	22.98
10	QPSK	1	49	22.96	22.99	22.95
10	QPSK	25	0	21.64	21.72	21.72
10	QPSK	25	12	21.60	21.57	21.60
10	QPSK	25	25	21.60	21.60	21.50
10	QPSK	50	0	21.41	21.40	21.41
10	16QAM	1	0	21.15	21.26	21.21
10	16QAM	1	25	21.15	21.22	21.18
10	16QAM	1	49	21.21	21.26	21.20
10	16QAM	25	0	20.63	20.69	20.60
10	16QAM	25	12	20.51	20.61	20.61
10	16QAM	25	25	20.60	20.65	20.64
10	16QAM	50	0	20.33	20.41	20.32
10	64QAM	1	0	20.06	20.08	20.05
10	64QAM	1	25	20.05	20.04	20.03
10	64QAM	1	49	20.03	20.00	20.01
10	64QAM	25	0	19.23	19.31	19.32
10	64QAM	25	12	19.28	19.30	19.27
10	64QAM	25	25	19.25	19.33	19.25
10	64QAM	50	0	19.22	19.16	19.05



LTE Band 38						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				37775	38000	38225
Frequency (MHz)				2572.5	2595	2617.5
5	QPSK	1	0	23.02	23.07	23.00
5	QPSK	1	12	23.02	23.01	23.05
5	QPSK	1	24	22.99	23.08	22.93
5	QPSK	12	0	21.60	21.75	21.66
5	QPSK	12	7	21.63	21.59	21.61
5	QPSK	12	13	21.54	21.56	21.59
5	QPSK	25	0	21.38	21.43	21.38
5	16QAM	1	0	21.15	21.24	21.22
5	16QAM	1	12	21.13	21.21	21.16
5	16QAM	1	24	21.20	21.18	21.18
5	16QAM	12	0	20.62	20.73	20.62
5	16QAM	12	7	20.59	20.69	20.61
5	16QAM	12	13	20.56	20.67	20.67
5	16QAM	25	0	20.26	20.40	20.27
5	64QAM	1	0	20.02	20.04	20.05
5	64QAM	1	12	20.00	20.05	20.03
5	64QAM	1	24	20.05	20.06	20.00
5	64QAM	12	0	19.24	19.36	19.32
5	64QAM	12	7	19.21	19.30	19.25
5	64QAM	12	13	19.23	19.30	19.25
5	64QAM	25	0	19.17	19.22	19.08



LTE Band 40, Block A						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				/	38750	/
Frequency (MHz)				/	2310	/
10	QPSK	1	0	/	22.96	/
10	QPSK	1	25	/	22.86	/
10	QPSK	1	49	/	22.88	/
10	QPSK	25	0	/	21.54	/
10	QPSK	25	12	/	21.49	/
10	QPSK	25	25	/	21.48	/
10	QPSK	50	0	/	21.44	/
10	16QAM	1	0	/	21.21	/
10	16QAM	1	25	/	21.18	/
10	16QAM	1	49	/	21.20	/
10	16QAM	25	0	/	20.69	/
10	16QAM	25	12	/	20.66	/
10	16QAM	25	25	/	20.65	/
10	16QAM	50	0	/	20.74	/
10	64QAM	1	0	/	20.11	/
10	64QAM	1	25	/	20.08	/
10	64QAM	1	49	/	20.06	/
10	64QAM	25	0	/	19.10	/
10	64QAM	25	12	/	19.09	/
10	64QAM	25	25	/	19.04	/
10	64QAM	50	0	/	19.05	/



LTE Band 40, Block A						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				38725	38750	38775
Frequency (MHz)				2307.5	2310	2312.5
5	QPSK	1	0	22.87	22.90	22.95
5	QPSK	1	12	22.77	22.83	22.82
5	QPSK	1	24	22.81	22.81	22.78
5	QPSK	12	0	21.51	21.52	21.46
5	QPSK	12	7	21.44	21.43	21.43
5	QPSK	12	13	21.44	21.38	21.45
5	QPSK	25	0	21.35	21.43	21.36
5	16QAM	1	0	21.11	21.12	21.13
5	16QAM	1	12	21.13	21.13	21.10
5	16QAM	1	24	21.18	21.19	21.13
5	16QAM	12	0	20.59	20.62	20.67
5	16QAM	12	7	20.56	20.65	20.61
5	16QAM	12	13	20.56	20.55	20.55
5	16QAM	25	0	20.72	20.70	20.68
5	64QAM	1	0	20.07	20.08	20.12
5	64QAM	1	12	20.07	20.11	20.04
5	64QAM	1	24	20.06	20.02	20.01
5	64QAM	12	0	19.07	19.13	19.10
5	64QAM	12	7	19.04	19.09	19.10
5	64QAM	12	13	19.00	18.99	19.00
5	64QAM	25	0	19.03	19.06	19.04



LTE Band 40, Block B						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				/	39200	/
Frequency (MHz)				/	2355	/
10	QPSK	1	0	/	22.92	/
10	QPSK	1	25	/	22.84	/
10	QPSK	1	49	/	22.86	/
10	QPSK	25	0	/	21.52	/
10	QPSK	25	12	/	21.47	/
10	QPSK	25	25	/	21.46	/
10	QPSK	50	0	/	21.42	/
10	16QAM	1	0	/	21.19	/
10	16QAM	1	25	/	21.16	/
10	16QAM	1	49	/	21.18	/
10	16QAM	25	0	/	20.67	/
10	16QAM	25	12	/	20.64	/
10	16QAM	25	25	/	20.63	/
10	16QAM	50	0	/	20.72	/
10	64QAM	1	0	/	20.09	/
10	64QAM	1	25	/	20.06	/
10	64QAM	1	49	/	20.04	/
10	64QAM	25	0	/	19.08	/
10	64QAM	25	12	/	19.07	/
10	64QAM	25	25	/	19.02	/
10	64QAM	50	0	/	19.03	/



LTE Band 40, Block B						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39175	39200	39225
Frequency (MHz)				2352.5	2355	2357.5
5	QPSK	1	0	22.88	22.85	22.82
5	QPSK	1	12	22.77	22.74	22.78
5	QPSK	1	24	22.81	22.80	22.76
5	QPSK	12	0	21.46	21.44	21.42
5	QPSK	12	7	21.44	21.42	21.45
5	QPSK	12	13	21.36	21.40	21.38
5	QPSK	25	0	21.37	21.40	21.40
5	16QAM	1	0	21.16	21.16	21.12
5	16QAM	1	12	21.10	21.12	21.13
5	16QAM	1	24	21.17	21.08	21.11
5	16QAM	12	0	20.58	20.58	20.65
5	16QAM	12	7	20.61	20.54	20.62
5	16QAM	12	13	20.56	20.53	20.54
5	16QAM	25	0	20.64	20.65	20.66
5	64QAM	1	0	20.08	20.10	20.11
5	64QAM	1	12	20.03	20.09	20.02
5	64QAM	1	24	20.01	20.03	20.00
5	64QAM	12	0	19.07	19.02	19.05
5	64QAM	12	7	19.05	19.07	19.04
5	64QAM	12	13	19.05	18.98	19.02
5	64QAM	25	0	18.97	19.03	19.05



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				40140	40640	41140
Frequency (MHz)				2545	2595	2645
20	QPSK	1	0	23.03	23.08	23.02
20	QPSK	1	49	22.95	23.04	22.96
20	QPSK	1	99	23.00	23.01	22.92
20	QPSK	50	0	22.03	22.06	22.02
20	QPSK	50	24	21.93	21.99	21.93
20	QPSK	50	50	22.04	22.08	22.01
20	QPSK	100	0	21.71	21.72	21.67
20	16QAM	1	0	21.55	21.64	21.55
20	16QAM	1	49	21.62	21.63	21.53
20	16QAM	1	99	21.58	21.61	21.58
20	16QAM	50	0	20.79	20.82	20.74
20	16QAM	50	24	20.93	21.00	20.99
20	16QAM	50	50	20.94	21.01	20.95
20	16QAM	100	0	20.66	20.74	20.70
20	64QAM	1	0	20.93	20.99	20.98
20	64QAM	1	49	20.88	20.97	20.95
20	64QAM	1	99	20.89	20.96	20.90
20	64QAM	50	0	19.85	19.92	19.90
20	64QAM	50	24	19.82	19.90	19.82
20	64QAM	50	50	19.81	19.88	19.79
20	64QAM	100	0	19.78	19.80	19.76



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				40115	40640	41165
Frequency (MHz)				2542.5	2595	2647.5
15	QPSK	1	0	23.02	23.03	22.97
15	QPSK	1	37	22.91	22.97	22.89
15	QPSK	1	74	22.93	22.99	22.86
15	QPSK	36	0	21.97	21.97	21.95
15	QPSK	36	20	21.92	21.97	21.92
15	QPSK	36	39	22.03	22.07	21.95
15	QPSK	75	0	21.65	21.64	21.64
15	16QAM	1	0	21.54	21.63	21.50
15	16QAM	1	37	21.54	21.59	21.48
15	16QAM	1	74	21.51	21.53	21.49
15	16QAM	36	0	20.78	20.80	20.68
15	16QAM	36	20	20.87	20.91	20.96
15	16QAM	36	39	20.90	20.96	20.89
15	16QAM	75	0	20.65	20.66	20.68
15	64QAM	1	0	20.89	20.91	20.96
15	64QAM	1	37	20.83	20.89	20.93
15	64QAM	1	74	20.86	20.91	20.81
15	64QAM	36	0	19.75	19.84	19.82
15	64QAM	36	20	19.72	19.84	19.75
15	64QAM	36	39	19.71	19.79	19.71
15	64QAM	75	0	19.73	19.76	19.67



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				40090	40640	41190
Frequency (MHz)				2540	2595	2650
10	QPSK	1	0	22.99	23.07	23.00
10	QPSK	1	25	22.89	23.02	22.94
10	QPSK	1	49	22.90	22.94	22.86
10	QPSK	25	0	21.95	22.04	22.01
10	QPSK	25	12	21.86	21.93	21.89
10	QPSK	25	25	22.01	22.00	21.92
10	QPSK	50	0	21.66	21.62	21.66
10	16QAM	1	0	21.48	21.59	21.54
10	16QAM	1	25	21.52	21.60	21.43
10	16QAM	1	49	21.48	21.60	21.48
10	16QAM	25	0	20.70	20.72	20.65
10	16QAM	25	12	20.88	20.98	20.89
10	16QAM	25	25	20.85	20.99	20.93
10	16QAM	50	0	20.61	20.67	20.62
10	64QAM	1	0	20.88	20.98	20.96
10	64QAM	1	25	20.83	20.89	20.90
10	64QAM	1	49	20.79	20.95	20.85
10	64QAM	25	0	19.78	19.87	19.83
10	64QAM	25	12	19.78	19.86	19.72
10	64QAM	25	25	19.76	19.81	19.78
10	64QAM	50	0	19.74	19.76	19.69



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				40065	40640	41215
Frequency (MHz)				2537.5	2595	2652.5
5	QPSK	1	0	23.02	23.01	22.98
5	QPSK	1	12	22.85	22.95	22.91
5	QPSK	1	24	22.90	22.93	22.91
5	QPSK	12	0	21.93	21.97	21.99
5	QPSK	12	7	21.85	21.96	21.89
5	QPSK	12	13	21.96	22.06	21.94
5	QPSK	25	0	21.68	21.65	21.62
5	16QAM	1	0	21.51	21.55	21.46
5	16QAM	1	12	21.54	21.60	21.52
5	16QAM	1	24	21.56	21.54	21.50
5	16QAM	12	0	20.71	20.80	20.65
5	16QAM	12	7	20.88	20.98	20.96
5	16QAM	12	13	20.90	20.94	20.93
5	16QAM	25	0	20.56	20.65	20.63
5	64QAM	1	0	20.88	20.89	20.94
5	64QAM	1	12	20.78	20.92	20.89
5	64QAM	1	24	20.81	20.89	20.83
5	64QAM	12	0	19.83	19.82	19.85
5	64QAM	12	7	19.81	19.83	19.76
5	64QAM	12	13	19.72	19.78	19.78
5	64QAM	25	0	19.70	19.71	19.68



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	22.78	22.82	22.79
20	QPSK	1	49	22.70	22.78	22.76
20	QPSK	1	99	22.66	22.75	22.67
20	QPSK	50	0	21.46	21.55	21.50
20	QPSK	50	24	21.55	21.56	21.47
20	QPSK	50	50	21.50	21.57	21.54
20	QPSK	100	0	21.42	21.46	21.41
20	16QAM	1	0	22.06	22.14	22.06
20	16QAM	1	49	22.07	22.12	22.03
20	16QAM	1	99	22.02	22.10	22.02
20	16QAM	50	0	20.00	20.08	19.99
20	16QAM	50	24	20.06	20.07	20.01
20	16QAM	50	50	20.03	20.05	19.95
20	16QAM	100	0	20.07	20.14	20.06
20	64QAM	1	0	20.28	20.35	20.27
20	64QAM	1	49	20.25	20.33	20.28
20	64QAM	1	99	20.30	20.34	20.28
20	64QAM	50	0	18.71	18.77	18.76
20	64QAM	50	24	18.72	18.70	18.71
20	64QAM	50	50	18.67	18.72	18.71
20	64QAM	100	0	18.72	18.81	18.78



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	22.73	22.73	22.71
15	QPSK	1	37	22.63	22.68	22.75
15	QPSK	1	74	22.60	22.67	22.66
15	QPSK	36	0	21.44	21.48	21.40
15	QPSK	36	20	21.48	21.54	21.43
15	QPSK	36	39	21.40	21.55	21.50
15	QPSK	75	0	21.40	21.43	21.36
15	16QAM	1	0	22.05	22.12	22.05
15	16QAM	1	37	22.05	22.08	21.93
15	16QAM	1	74	21.93	22.08	21.99
15	16QAM	36	0	19.94	20.06	19.89
15	16QAM	36	20	20.01	20.04	19.93
15	16QAM	36	39	19.99	19.99	19.90
15	16QAM	75	0	20.04	20.09	20.02
15	64QAM	1	0	20.26	20.33	20.22
15	64QAM	1	37	20.16	20.32	20.26
15	64QAM	1	74	20.24	20.26	20.20
15	64QAM	36	0	18.61	18.67	18.75
15	64QAM	36	20	18.71	18.63	18.68
15	64QAM	36	39	18.66	18.65	18.66
15	64QAM	75	0	18.69	18.74	18.69



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	22.72	22.81	22.74
10	QPSK	1	25	22.68	22.74	22.72
10	QPSK	1	49	22.65	22.70	22.61
10	QPSK	25	0	21.36	21.50	21.42
10	QPSK	25	12	21.50	21.54	21.39
10	QPSK	25	25	21.44	21.56	21.52
10	QPSK	50	0	21.41	21.43	21.35
10	16QAM	1	0	22.05	22.05	21.96
10	16QAM	1	25	22.03	22.03	21.94
10	16QAM	1	49	21.93	22.07	21.92
10	16QAM	25	0	19.93	20.07	19.96
10	16QAM	25	12	19.99	19.99	19.91
10	16QAM	25	25	20.02	19.96	19.89
10	16QAM	50	0	20.00	20.07	20.04
10	64QAM	1	0	20.23	20.27	20.17
10	64QAM	1	25	20.18	20.28	20.24
10	64QAM	1	49	20.24	20.27	20.19
10	64QAM	25	0	18.65	18.68	18.66
10	64QAM	25	12	18.66	18.63	18.62
10	64QAM	25	25	18.62	18.68	18.62
10	64QAM	50	0	18.69	18.72	18.69



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	22.71	22.73	22.75
5	QPSK	1	12	22.60	22.68	22.71
5	QPSK	1	24	22.62	22.70	22.58
5	QPSK	12	0	21.40	21.47	21.49
5	QPSK	12	7	21.52	21.47	21.44
5	QPSK	12	13	21.46	21.49	21.45
5	QPSK	25	0	21.32	21.37	21.35
5	16QAM	1	0	21.97	22.08	22.01
5	16QAM	1	12	21.97	22.03	22.00
5	16QAM	1	24	21.97	22.01	21.98
5	16QAM	12	0	19.99	19.98	19.93
5	16QAM	12	7	19.99	20.06	19.95
5	16QAM	12	13	20.01	20.04	19.91
5	16QAM	25	0	20.00	20.10	19.98
5	64QAM	1	0	20.19	20.25	20.20
5	64QAM	1	12	20.16	20.31	20.20
5	64QAM	1	24	20.21	20.33	20.19
5	64QAM	12	0	18.70	18.69	18.66
5	64QAM	12	7	18.66	18.65	18.65
5	64QAM	12	13	18.58	18.68	18.64
5	64QAM	25	0	18.69	18.80	18.69



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	22.69	22.79	22.74
3	QPSK	1	8	22.60	22.75	22.71
3	QPSK	1	14	22.62	22.68	22.58
3	QPSK	8	0	21.43	21.50	21.49
3	QPSK	8	4	21.51	21.54	21.41
3	QPSK	8	7	21.44	21.48	21.47
3	QPSK	15	0	21.36	21.40	21.40
3	16QAM	1	0	22.02	22.13	22.03
3	16QAM	1	8	22.05	22.10	22.01
3	16QAM	1	14	21.94	22.09	21.92
3	16QAM	8	0	19.93	20.00	19.89
3	16QAM	8	4	20.04	20.06	20.00
3	16QAM	8	7	19.95	19.97	19.87
3	16QAM	15	0	20.03	20.05	20.05
3	64QAM	1	0	20.20	20.26	20.20
3	64QAM	1	8	20.16	20.28	20.20
3	64QAM	1	14	20.23	20.24	20.19
3	64QAM	8	0	18.67	18.69	18.72
3	64QAM	8	4	18.62	18.60	18.64
3	64QAM	8	7	18.64	18.64	18.62
3	64QAM	15	0	18.65	18.78	18.74



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	22.74	22.74	22.72
1.4	QPSK	1	3	22.60	22.71	22.67
1.4	QPSK	1	5	22.61	22.72	22.59
1.4	QPSK	3	0	22.30	22.42	22.30
1.4	QPSK	3	1	22.39	22.39	22.28
1.4	QPSK	3	3	22.37	22.40	22.35
1.4	QPSK	6	0	21.38	21.43	21.33
1.4	16QAM	1	0	21.98	22.07	21.97
1.4	16QAM	1	3	22.03	22.08	22.01
1.4	16QAM	1	5	22.01	22.08	22.01
1.4	16QAM	3	0	20.82	20.89	20.83
1.4	16QAM	3	1	20.92	20.89	20.86
1.4	16QAM	3	3	20.89	20.84	20.74
1.4	16QAM	6	0	19.97	20.12	20.04
1.4	64QAM	1	0	20.25	20.33	20.25
1.4	64QAM	1	3	20.21	20.31	20.19
1.4	64QAM	1	5	20.27	20.27	20.25
1.4	64QAM	3	0	19.55	19.58	19.55
1.4	64QAM	3	1	19.58	19.53	19.52
1.4	64QAM	3	3	19.53	19.59	19.57
1.4	64QAM	6	0	18.65	18.73	18.76



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	20.85	0.122	20.96	0.125	20.88	0.122
20	QPSK	1	49	20.80	0.120	20.90	0.123	20.80	0.120
20	QPSK	1	99	20.84	0.121	20.88	0.122	20.83	0.121
20	QPSK	50	0	19.93	0.098	19.98	0.100	19.95	0.099
20	QPSK	50	24	19.73	0.094	19.83	0.096	19.78	0.095
20	QPSK	50	50	19.71	0.094	19.78	0.095	19.71	0.094
20	QPSK	100	0	19.77	0.095	19.82	0.096	19.78	0.095
20	16QAM	1	0	19.80	0.095	19.84	0.096	19.77	0.095
20	16QAM	1	49	19.78	0.095	19.80	0.095	19.70	0.093
20	16QAM	1	99	19.68	0.093	19.76	0.095	19.74	0.094
20	16QAM	50	0	18.75	0.075	18.78	0.076	18.75	0.075
20	16QAM	50	24	18.68	0.074	18.77	0.075	18.74	0.075
20	16QAM	50	50	18.66	0.073	18.75	0.075	18.68	0.074
20	16QAM	100	0	18.84	0.077	18.87	0.077	18.83	0.076
20	64QAM	1	0	18.23	0.067	18.30	0.068	18.28	0.067
20	64QAM	1	49	18.21	0.066	18.27	0.067	18.21	0.066
20	64QAM	1	99	18.18	0.066	18.28	0.067	18.26	0.067
20	64QAM	50	0	17.06	0.051	17.10	0.051	17.02	0.050
20	64QAM	50	24	17.00	0.050	17.08	0.051	17.00	0.050
20	64QAM	50	50	17.02	0.050	17.07	0.051	17.03	0.050
20	64QAM	100	0	17.01	0.050	17.03	0.050	17.00	0.050



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	20.78	0.120	20.93	0.124	20.84	0.121
15	QPSK	1	37	20.70	0.117	20.80	0.120	20.72	0.118
15	QPSK	1	74	20.74	0.119	20.85	0.122	20.73	0.118
15	QPSK	36	0	19.91	0.098	19.97	0.099	19.91	0.098
15	QPSK	36	20	19.66	0.092	19.82	0.096	19.71	0.094
15	QPSK	36	39	19.67	0.093	19.70	0.093	19.66	0.092
15	QPSK	75	0	19.67	0.093	19.72	0.094	19.68	0.093
15	16QAM	1	0	19.76	0.095	19.77	0.095	19.68	0.093
15	16QAM	1	37	19.76	0.095	19.71	0.094	19.66	0.092
15	16QAM	1	74	19.63	0.092	19.67	0.093	19.64	0.092
15	16QAM	36	0	18.70	0.074	18.72	0.074	18.74	0.075
15	16QAM	36	20	18.65	0.073	18.75	0.075	18.68	0.074
15	16QAM	36	39	18.62	0.073	18.65	0.073	18.60	0.072
15	16QAM	75	0	18.75	0.075	18.83	0.076	18.78	0.076
15	64QAM	1	0	18.17	0.066	18.28	0.067	18.22	0.066
15	64QAM	1	37	18.14	0.065	18.24	0.067	18.17	0.066
15	64QAM	1	74	18.13	0.065	18.19	0.066	18.22	0.066
15	64QAM	36	0	17.01	0.050	17.01	0.050	16.97	0.050
15	64QAM	36	20	16.92	0.049	17.01	0.050	16.94	0.049
15	64QAM	36	39	16.98	0.050	16.99	0.050	16.96	0.050
15	64QAM	75	0	16.91	0.049	16.99	0.050	16.95	0.050



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	20.80	0.120	20.88	0.122	20.81	0.121
10	QPSK	1	25	20.73	0.118	20.81	0.121	20.70	0.117
10	QPSK	1	49	20.77	0.119	20.81	0.121	20.80	0.120
10	QPSK	25	0	19.88	0.097	19.96	0.099	19.90	0.098
10	QPSK	25	12	19.71	0.094	19.82	0.096	19.76	0.095
10	QPSK	25	25	19.69	0.093	19.70	0.093	19.62	0.092
10	QPSK	50	0	19.75	0.094	19.76	0.095	19.76	0.095
10	16QAM	1	0	19.78	0.095	19.79	0.095	19.68	0.093
10	16QAM	1	25	19.77	0.095	19.75	0.094	19.62	0.092
10	16QAM	1	49	19.64	0.092	19.72	0.094	19.69	0.093
10	16QAM	25	0	18.69	0.074	18.74	0.075	18.68	0.074
10	16QAM	25	12	18.67	0.074	18.75	0.075	18.73	0.075
10	16QAM	25	25	18.65	0.073	18.69	0.074	18.66	0.073
10	16QAM	50	0	18.79	0.076	18.86	0.077	18.74	0.075
10	64QAM	1	0	18.15	0.065	18.27	0.067	18.19	0.066
10	64QAM	1	25	18.14	0.065	18.26	0.067	18.16	0.065
10	64QAM	1	49	18.15	0.065	18.19	0.066	18.23	0.067
10	64QAM	25	0	17.04	0.051	17.00	0.050	16.93	0.049
10	64QAM	25	12	16.99	0.050	17.02	0.050	16.93	0.049
10	64QAM	25	25	16.99	0.050	17.00	0.050	16.95	0.050
10	64QAM	50	0	16.97	0.050	16.95	0.050	16.97	0.050



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	20.78	0.120	20.89	0.123	20.78	0.120
5	QPSK	1	12	20.77	0.119	20.85	0.122	20.75	0.119
5	QPSK	1	24	20.82	0.121	20.79	0.120	20.76	0.119
5	QPSK	12	0	19.91	0.098	19.89	0.097	19.85	0.097
5	QPSK	12	7	19.69	0.093	19.77	0.095	19.74	0.094
5	QPSK	12	13	19.61	0.091	19.77	0.095	19.67	0.093
5	QPSK	25	0	19.75	0.094	19.78	0.095	19.76	0.095
5	16QAM	1	0	19.70	0.093	19.82	0.096	19.73	0.094
5	16QAM	1	12	19.72	0.094	19.78	0.095	19.64	0.092
5	16QAM	1	24	19.62	0.092	19.68	0.093	19.72	0.094
5	16QAM	12	0	18.68	0.074	18.71	0.074	18.71	0.074
5	16QAM	12	7	18.60	0.072	18.76	0.075	18.73	0.075
5	16QAM	12	13	18.64	0.073	18.65	0.073	18.59	0.072
5	16QAM	25	0	18.81	0.076	18.86	0.077	18.80	0.076
5	64QAM	1	0	18.18	0.066	18.29	0.067	18.19	0.066
5	64QAM	1	12	18.15	0.065	18.25	0.067	18.13	0.065
5	64QAM	1	24	18.16	0.065	18.26	0.067	18.17	0.066
5	64QAM	12	0	17.00	0.050	17.07	0.051	17.01	0.050
5	64QAM	12	7	16.99	0.050	17.00	0.050	16.97	0.050
5	64QAM	12	13	16.96	0.050	16.99	0.050	16.99	0.050
5	64QAM	25	0	16.94	0.049	16.98	0.050	16.95	0.050



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	20.76	0.119	20.90	0.123	20.80	0.120
3	QPSK	1	8	20.70	0.117	20.81	0.121	20.76	0.119
3	QPSK	1	14	20.81	0.121	20.84	0.121	20.74	0.119
3	QPSK	8	0	19.89	0.097	19.92	0.098	19.90	0.098
3	QPSK	8	4	19.64	0.092	19.79	0.095	19.73	0.094
3	QPSK	8	7	19.69	0.093	19.77	0.095	19.65	0.092
3	QPSK	15	0	19.73	0.094	19.77	0.095	19.73	0.094
3	16QAM	1	0	19.73	0.094	19.79	0.095	19.67	0.093
3	16QAM	1	8	19.73	0.094	19.75	0.094	19.68	0.093
3	16QAM	1	14	19.58	0.091	19.72	0.094	19.70	0.093
3	16QAM	8	0	18.66	0.073	18.77	0.075	18.68	0.074
3	16QAM	8	4	18.64	0.073	18.72	0.074	18.73	0.075
3	16QAM	8	7	18.64	0.073	18.69	0.074	18.62	0.073
3	16QAM	15	0	18.83	0.076	18.79	0.076	18.78	0.076
3	64QAM	1	0	18.15	0.065	18.20	0.066	18.20	0.066
3	64QAM	1	8	18.18	0.066	18.18	0.066	18.17	0.066
3	64QAM	1	14	18.11	0.065	18.22	0.066	18.16	0.065
3	64QAM	8	0	16.97	0.050	17.08	0.051	17.01	0.050
3	64QAM	8	4	16.90	0.049	16.99	0.050	16.91	0.049
3	64QAM	8	7	17.01	0.050	17.01	0.050	16.95	0.050
3	64QAM	15	0	16.95	0.050	16.96	0.050	16.93	0.049



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	20.84	0.121	20.86	0.122	20.80	0.120
1.4	QPSK	1	3	20.73	0.118	20.80	0.120	20.79	0.120
1.4	QPSK	1	5	20.79	0.120	20.85	0.122	20.76	0.119
1.4	QPSK	3	0	20.83	0.121	20.77	0.119	20.88	0.122
1.4	QPSK	3	1	20.69	0.117	20.79	0.120	20.73	0.118
1.4	QPSK	3	3	20.62	0.115	20.71	0.118	20.64	0.116
1.4	QPSK	6	0	19.73	0.094	19.81	0.096	19.74	0.094
1.4	16QAM	1	0	19.76	0.095	19.77	0.095	19.75	0.094
1.4	16QAM	1	3	19.68	0.093	19.72	0.094	19.63	0.092
1.4	16QAM	1	5	19.61	0.091	19.75	0.094	19.67	0.093
1.4	16QAM	3	0	19.68	0.093	19.72	0.094	19.67	0.093
1.4	16QAM	3	1	19.64	0.092	19.72	0.094	19.70	0.093
1.4	16QAM	3	3	19.63	0.092	19.72	0.094	19.59	0.091
1.4	16QAM	6	0	18.83	0.076	18.77	0.075	18.82	0.076
1.4	64QAM	1	0	18.17	0.066	18.25	0.067	18.20	0.066
1.4	64QAM	1	3	18.12	0.065	18.20	0.066	18.19	0.066
1.4	64QAM	1	5	18.08	0.064	18.21	0.066	18.25	0.067
1.4	64QAM	3	0	17.96	0.063	18.07	0.064	17.94	0.062
1.4	64QAM	3	1	17.92	0.062	18.05	0.064	17.96	0.063
1.4	64QAM	3	3	18.00	0.063	17.97	0.063	17.97	0.063
1.4	64QAM	6	0	16.94	0.049	16.93	0.049	16.95	0.050



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	20.77	0.119	20.82	0.121	20.71	0.118
20	QPSK	1	49	20.70	0.117	20.72	0.118	20.71	0.118
20	QPSK	1	99	20.65	0.116	20.75	0.119	20.68	0.117
20	QPSK	50	0	19.74	0.094	19.82	0.096	19.79	0.095
20	QPSK	50	24	19.65	0.092	19.70	0.093	19.63	0.092
20	QPSK	50	50	19.60	0.091	19.68	0.093	19.67	0.093
20	QPSK	100	0	19.69	0.093	19.72	0.094	19.62	0.092
20	16QAM	1	0	20.35	0.108	20.43	0.110	20.40	0.110
20	16QAM	1	49	20.41	0.110	20.42	0.110	20.34	0.108
20	16QAM	1	99	20.32	0.108	20.40	0.110	20.35	0.108
20	16QAM	50	0	18.25	0.067	18.29	0.067	18.28	0.067
20	16QAM	50	24	18.22	0.066	18.26	0.067	18.23	0.067
20	16QAM	50	50	18.21	0.066	18.25	0.067	18.22	0.066
20	16QAM	100	0	18.61	0.073	18.71	0.074	18.68	0.074
20	64QAM	1	0	18.32	0.068	18.35	0.068	18.26	0.067
20	64QAM	1	49	18.27	0.067	18.34	0.068	18.29	0.067
20	64QAM	1	99	18.23	0.067	18.30	0.068	18.29	0.067
20	64QAM	50	0	17.22	0.053	17.24	0.053	17.18	0.052
20	64QAM	50	24	17.19	0.052	17.22	0.053	17.15	0.052
20	64QAM	50	50	17.17	0.052	17.21	0.053	17.14	0.052
20	64QAM	100	0	17.18	0.052	17.22	0.053	17.16	0.052



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	20.71	0.118	20.73	0.118	20.69	0.117
15	QPSK	1	37	20.66	0.116	20.67	0.117	20.62	0.115
15	QPSK	1	74	20.59	0.115	20.67	0.117	20.67	0.117
15	QPSK	36	0	19.64	0.092	19.76	0.095	19.74	0.094
15	QPSK	36	20	19.60	0.091	19.68	0.093	19.61	0.091
15	QPSK	36	39	19.55	0.090	19.60	0.091	19.64	0.092
15	QPSK	75	0	19.66	0.092	19.69	0.093	19.61	0.091
15	16QAM	1	0	20.25	0.106	20.33	0.108	20.39	0.109
15	16QAM	1	37	20.32	0.108	20.34	0.108	20.26	0.106
15	16QAM	1	74	20.23	0.105	20.39	0.109	20.31	0.107
15	16QAM	36	0	18.19	0.066	18.27	0.067	18.18	0.066
15	16QAM	36	20	18.17	0.066	18.25	0.067	18.20	0.066
15	16QAM	36	39	18.17	0.066	18.19	0.066	18.17	0.066
15	16QAM	75	0	18.54	0.071	18.69	0.074	18.58	0.072
15	64QAM	1	0	18.23	0.067	18.25	0.067	18.18	0.066
15	64QAM	1	37	18.19	0.066	18.26	0.067	18.19	0.066
15	64QAM	1	74	18.21	0.066	18.26	0.067	18.25	0.067
15	64QAM	36	0	17.15	0.052	17.22	0.053	17.12	0.052
15	64QAM	36	20	17.13	0.052	17.13	0.052	17.13	0.052
15	64QAM	36	39	17.15	0.052	17.13	0.052	17.06	0.051
15	64QAM	75	0	17.11	0.051	17.14	0.052	17.10	0.051



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	20.68	0.117	20.81	0.121	20.70	0.117
10	QPSK	1	25	20.65	0.116	20.67	0.117	20.69	0.117
10	QPSK	1	49	20.56	0.114	20.68	0.117	20.62	0.115
10	QPSK	25	0	19.73	0.094	19.76	0.095	19.76	0.095
10	QPSK	25	12	19.56	0.090	19.68	0.093	19.60	0.091
10	QPSK	25	25	19.52	0.090	19.66	0.092	19.58	0.091
10	QPSK	50	0	19.64	0.092	19.70	0.093	19.58	0.091
10	16QAM	1	0	20.32	0.108	20.37	0.109	20.33	0.108
10	16QAM	1	25	20.36	0.109	20.37	0.109	20.29	0.107
10	16QAM	1	49	20.25	0.106	20.30	0.107	20.25	0.106
10	16QAM	25	0	18.18	0.066	18.24	0.067	18.25	0.067
10	16QAM	25	12	18.12	0.065	18.23	0.067	18.14	0.065
10	16QAM	25	25	18.18	0.066	18.23	0.067	18.19	0.066
10	16QAM	50	0	18.59	0.072	18.66	0.073	18.66	0.073
10	64QAM	1	0	18.23	0.067	18.28	0.067	18.16	0.065
10	64QAM	1	25	18.21	0.066	18.31	0.068	18.28	0.067
10	64QAM	1	49	18.21	0.066	18.29	0.067	18.21	0.066
10	64QAM	25	0	17.12	0.052	17.20	0.052	17.16	0.052
10	64QAM	25	12	17.13	0.052	17.15	0.052	17.12	0.052
10	64QAM	25	25	17.16	0.052	17.12	0.052	17.08	0.051
10	64QAM	50	0	17.10	0.051	17.18	0.052	17.14	0.052



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	20.69	0.117	20.77	0.119	20.61	0.115
5	QPSK	1	12	20.62	0.115	20.69	0.117	20.63	0.116
5	QPSK	1	24	20.55	0.114	20.65	0.116	20.63	0.116
5	QPSK	12	0	19.72	0.094	19.75	0.094	19.72	0.094
5	QPSK	12	7	19.60	0.091	19.68	0.093	19.60	0.091
5	QPSK	12	13	19.54	0.090	19.61	0.091	19.64	0.092
5	QPSK	25	0	19.60	0.091	19.67	0.093	19.54	0.090
5	16QAM	1	0	20.26	0.106	20.33	0.108	20.37	0.109
5	16QAM	1	12	20.32	0.108	20.40	0.110	20.32	0.108
5	16QAM	1	24	20.31	0.107	20.30	0.107	20.26	0.106
5	16QAM	12	0	18.18	0.066	18.20	0.066	18.25	0.067
5	16QAM	12	7	18.13	0.065	18.20	0.066	18.13	0.065
5	16QAM	12	13	18.18	0.066	18.15	0.065	18.15	0.065
5	16QAM	25	0	18.51	0.071	18.63	0.073	18.63	0.073
5	64QAM	1	0	18.22	0.066	18.32	0.068	18.19	0.066
5	64QAM	1	12	18.24	0.067	18.24	0.067	18.27	0.067
5	64QAM	1	24	18.15	0.065	18.23	0.067	18.26	0.067
5	64QAM	12	0	17.20	0.052	17.15	0.052	17.16	0.052
5	64QAM	12	7	17.16	0.052	17.20	0.052	17.08	0.051
5	64QAM	12	13	17.09	0.051	17.18	0.052	17.06	0.051
5	64QAM	25	0	17.13	0.052	17.20	0.052	17.09	0.051



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	20.71	0.118	20.81	0.121	20.70	0.117
3	QPSK	1	8	20.62	0.115	20.65	0.116	20.69	0.117
3	QPSK	1	14	20.61	0.115	20.71	0.118	20.61	0.115
3	QPSK	8	0	19.68	0.093	19.74	0.094	19.71	0.094
3	QPSK	8	4	19.55	0.090	19.69	0.093	19.55	0.090
3	QPSK	8	7	19.50	0.089	19.62	0.092	19.60	0.091
3	QPSK	15	0	19.64	0.092	19.65	0.092	19.61	0.091
3	16QAM	1	0	20.32	0.108	20.38	0.109	20.37	0.109
3	16QAM	1	8	20.40	0.110	20.38	0.109	20.28	0.107
3	16QAM	1	14	20.26	0.106	20.39	0.109	20.31	0.107
3	16QAM	8	0	18.19	0.066	18.26	0.067	18.25	0.067
3	16QAM	8	4	18.12	0.065	18.21	0.066	18.15	0.065
3	16QAM	8	7	18.17	0.066	18.23	0.067	18.15	0.065
3	16QAM	15	0	18.55	0.072	18.62	0.073	18.65	0.073
3	64QAM	1	0	18.23	0.067	18.34	0.068	18.17	0.066
3	64QAM	1	8	18.26	0.067	18.30	0.068	18.25	0.067
3	64QAM	1	14	18.14	0.065	18.22	0.066	18.20	0.066
3	64QAM	8	0	17.21	0.053	17.14	0.052	17.15	0.052
3	64QAM	8	4	17.14	0.052	17.17	0.052	17.05	0.051
3	64QAM	8	7	17.07	0.051	17.16	0.052	17.06	0.051
3	64QAM	15	0	17.15	0.052	17.14	0.052	17.14	0.052



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	20.69	0.117	20.79	0.120	20.67	0.117
1.4	QPSK	1	3	20.63	0.116	20.66	0.116	20.63	0.116
1.4	QPSK	1	5	20.58	0.114	20.72	0.118	20.62	0.115
1.4	QPSK	3	0	20.69	0.117	20.77	0.119	20.71	0.118
1.4	QPSK	3	1	20.57	0.114	20.68	0.117	20.62	0.115
1.4	QPSK	3	3	20.55	0.114	20.62	0.115	20.65	0.116
1.4	QPSK	6	0	19.62	0.092	19.70	0.093	19.56	0.090
1.4	16QAM	1	0	20.26	0.106	20.34	0.108	20.32	0.108
1.4	16QAM	1	3	20.33	0.108	20.34	0.108	20.28	0.107
1.4	16QAM	1	5	20.25	0.106	20.31	0.107	20.30	0.107
1.4	16QAM	3	0	19.18	0.083	19.21	0.083	19.23	0.084
1.4	16QAM	3	1	19.18	0.083	19.23	0.084	19.16	0.082
1.4	16QAM	3	3	19.17	0.083	19.15	0.082	19.12	0.082
1.4	16QAM	6	0	18.51	0.071	18.70	0.074	18.63	0.073
1.4	64QAM	1	0	18.29	0.067	18.31	0.068	18.21	0.066
1.4	64QAM	1	3	18.21	0.066	18.29	0.067	18.27	0.067
1.4	64QAM	1	5	18.15	0.065	18.21	0.066	18.20	0.066
1.4	64QAM	3	0	18.14	0.065	18.20	0.066	18.14	0.065
1.4	64QAM	3	1	18.16	0.065	18.12	0.065	18.07	0.064
1.4	64QAM	3	3	18.15	0.065	18.17	0.066	18.04	0.064
1.4	64QAM	6	0	17.16	0.052	17.14	0.052	17.12	0.052



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	16.15	0.041	16.25	0.042	16.18	0.041
10	QPSK	1	25	16.10	0.041	16.20	0.042	16.13	0.041
10	QPSK	1	49	16.13	0.041	16.16	0.041	16.11	0.041
10	QPSK	25	0	15.08	0.032	15.17	0.033	15.06	0.032
10	QPSK	25	12	15.07	0.032	15.15	0.033	15.05	0.032
10	QPSK	25	25	15.08	0.032	15.11	0.032	15.07	0.032
10	QPSK	50	0	15.07	0.032	15.08	0.032	15.02	0.032
10	16QAM	1	0	15.20	0.033	15.23	0.033	15.17	0.033
10	16QAM	1	25	15.17	0.033	15.20	0.033	15.19	0.033
10	16QAM	1	49	15.11	0.032	15.19	0.033	15.12	0.033
10	16QAM	25	0	14.21	0.026	14.27	0.027	14.17	0.026
10	16QAM	25	12	14.18	0.026	14.26	0.027	14.20	0.026
10	16QAM	25	25	14.20	0.026	14.24	0.027	14.18	0.026
10	16QAM	50	0	13.98	0.025	14.04	0.025	13.96	0.025
10	64QAM	1	0	14.29	0.027	14.34	0.027	14.24	0.027
10	64QAM	1	25	14.28	0.027	14.33	0.027	14.23	0.026
10	64QAM	1	49	14.27	0.027	14.31	0.027	14.28	0.027
10	64QAM	25	0	12.59	0.018	12.62	0.018	12.53	0.018
10	64QAM	25	12	12.58	0.018	12.59	0.018	12.58	0.018
10	64QAM	25	25	12.59	0.018	12.61	0.018	12.55	0.018
10	64QAM	50	0	12.92	0.020	13.00	0.020	12.99	0.020



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	16.11	0.041	16.24	0.042	16.14	0.041
5	QPSK	1	12	16.07	0.040	16.14	0.041	16.07	0.040
5	QPSK	1	24	16.05	0.040	16.10	0.041	16.08	0.041
5	QPSK	12	0	15.05	0.032	15.13	0.033	14.98	0.031
5	QPSK	12	7	15.02	0.032	15.11	0.032	15.00	0.032
5	QPSK	12	13	15.05	0.032	15.09	0.032	15.03	0.032
5	QPSK	25	0	14.97	0.031	15.00	0.032	14.97	0.031
5	16QAM	1	0	15.19	0.033	15.15	0.033	15.08	0.032
5	16QAM	1	12	15.13	0.033	15.19	0.033	15.18	0.033
5	16QAM	1	24	15.03	0.032	15.14	0.033	15.10	0.032
5	16QAM	12	0	14.17	0.026	14.22	0.026	14.09	0.026
5	16QAM	12	7	14.08	0.026	14.17	0.026	14.15	0.026
5	16QAM	12	13	14.14	0.026	14.20	0.026	14.15	0.026
5	16QAM	25	0	13.91	0.025	13.94	0.025	13.89	0.024
5	64QAM	1	0	14.23	0.026	14.24	0.027	14.19	0.026
5	64QAM	1	12	14.19	0.026	14.29	0.027	14.18	0.026
5	64QAM	1	24	14.23	0.026	14.25	0.027	14.20	0.026
5	64QAM	12	0	12.57	0.018	12.54	0.018	12.45	0.018
5	64QAM	12	7	12.52	0.018	12.57	0.018	12.56	0.018
5	64QAM	12	13	12.56	0.018	12.60	0.018	12.53	0.018
5	64QAM	25	0	12.83	0.019	12.95	0.020	12.97	0.020



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	16.10	0.041	16.17	0.041	16.17	0.041
3	QPSK	1	8	16.07	0.040	16.15	0.041	16.05	0.040
3	QPSK	1	14	16.11	0.041	16.08	0.041	16.03	0.040
3	QPSK	8	0	15.01	0.032	15.13	0.033	15.01	0.032
3	QPSK	8	4	14.98	0.031	15.13	0.033	15.03	0.032
3	QPSK	8	7	15.03	0.032	15.09	0.032	15.01	0.032
3	QPSK	15	0	14.98	0.031	15.02	0.032	15.01	0.032
3	16QAM	1	0	15.19	0.033	15.18	0.033	15.10	0.032
3	16QAM	1	8	15.08	0.032	15.16	0.033	15.11	0.032
3	16QAM	1	14	15.07	0.032	15.14	0.033	15.10	0.032
3	16QAM	8	0	14.19	0.026	14.21	0.026	14.13	0.026
3	16QAM	8	4	14.08	0.026	14.18	0.026	14.17	0.026
3	16QAM	8	7	14.19	0.026	14.23	0.026	14.16	0.026
3	16QAM	15	0	13.91	0.025	14.00	0.025	13.94	0.025
3	64QAM	1	0	14.20	0.026	14.29	0.027	14.18	0.026
3	64QAM	1	8	14.18	0.026	14.28	0.027	14.19	0.026
3	64QAM	1	14	14.21	0.026	14.28	0.027	14.26	0.027
3	64QAM	8	0	12.54	0.018	12.58	0.018	12.51	0.018
3	64QAM	8	4	12.57	0.018	12.51	0.018	12.52	0.018
3	64QAM	8	7	12.56	0.018	12.60	0.018	12.46	0.018
3	64QAM	15	0	12.89	0.019	12.94	0.020	12.90	0.019



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	16.14	0.041	16.21	0.042	16.14	0.041
1.4	QPSK	1	3	16.05	0.040	16.19	0.042	16.04	0.040
1.4	QPSK	1	5	16.04	0.040	16.08	0.041	16.04	0.040
1.4	QPSK	3	0	15.94	0.039	16.03	0.040	15.94	0.039
1.4	QPSK	3	1	15.92	0.039	15.94	0.039	15.92	0.039
1.4	QPSK	3	3	15.92	0.039	15.94	0.039	15.94	0.039
1.4	QPSK	6	0	15.01	0.032	15.05	0.032	14.93	0.031
1.4	16QAM	1	0	15.14	0.033	15.19	0.033	15.14	0.033
1.4	16QAM	1	3	15.13	0.033	15.12	0.033	15.13	0.033
1.4	16QAM	1	5	15.06	0.032	15.10	0.032	15.07	0.032
1.4	16QAM	3	0	15.01	0.032	15.09	0.032	15.01	0.032
1.4	16QAM	3	1	14.98	0.031	15.12	0.033	15.02	0.032
1.4	16QAM	3	3	15.04	0.032	15.09	0.032	14.96	0.031
1.4	16QAM	6	0	13.89	0.024	13.97	0.025	13.91	0.025
1.4	64QAM	1	0	14.25	0.027	14.26	0.027	14.19	0.026
1.4	64QAM	1	3	14.25	0.027	14.27	0.027	14.14	0.026
1.4	64QAM	1	5	14.19	0.026	14.27	0.027	14.18	0.026
1.4	64QAM	3	0	13.40	0.022	13.48	0.022	13.37	0.022
1.4	64QAM	3	1	13.45	0.022	13.43	0.022	13.43	0.022
1.4	64QAM	3	3	13.44	0.022	13.45	0.022	13.37	0.022
1.4	64QAM	6	0	12.89	0.019	12.99	0.020	12.91	0.020



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20850		21100		21350	
Frequency (MHz)				2510		2535		2560	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	20.85	0.122	20.91	0.123	20.89	0.123
20	QPSK	1	49	20.78	0.120	20.88	0.122	20.82	0.121
20	QPSK	1	99	20.76	0.119	20.84	0.121	20.75	0.119
20	QPSK	50	0	19.80	0.095	19.81	0.096	19.78	0.095
20	QPSK	50	24	19.77	0.095	19.79	0.095	19.73	0.094
20	QPSK	50	50	19.71	0.094	19.77	0.095	19.74	0.094
20	QPSK	100	0	19.69	0.093	19.78	0.095	19.76	0.095
20	16QAM	1	0	19.75	0.094	19.78	0.095	19.74	0.094
20	16QAM	1	49	19.69	0.093	19.77	0.095	19.74	0.094
20	16QAM	1	99	19.69	0.093	19.75	0.094	19.70	0.093
20	16QAM	50	0	18.75	0.075	18.79	0.076	18.74	0.075
20	16QAM	50	24	18.75	0.075	18.76	0.075	18.70	0.074
20	16QAM	50	50	18.71	0.074	18.73	0.075	18.66	0.073
20	16QAM	100	0	18.63	0.073	18.71	0.074	18.64	0.073
20	64QAM	1	0	18.70	0.074	18.78	0.076	18.76	0.075
20	64QAM	1	49	18.67	0.074	18.75	0.075	18.74	0.075
20	64QAM	1	99	18.67	0.074	18.74	0.075	18.71	0.074
20	64QAM	50	0	16.95	0.050	16.98	0.050	16.94	0.049
20	64QAM	50	24	16.86	0.049	16.95	0.050	16.90	0.049
20	64QAM	50	50	16.88	0.049	16.94	0.049	16.84	0.048
20	64QAM	100	0	16.97	0.050	16.99	0.050	16.89	0.049



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20825		21100		21375	
Frequency (MHz)				2507.5		2535		2562.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	20.75	0.119	20.87	0.122	20.88	0.122
15	QPSK	1	37	20.68	0.117	20.87	0.122	20.79	0.120
15	QPSK	1	74	20.71	0.118	20.82	0.121	20.74	0.119
15	QPSK	36	0	19.76	0.095	19.71	0.094	19.74	0.094
15	QPSK	36	20	19.72	0.094	19.73	0.094	19.67	0.093
15	QPSK	36	39	19.68	0.093	19.71	0.094	19.66	0.092
15	QPSK	75	0	19.63	0.092	19.74	0.094	19.70	0.093
15	16QAM	1	0	19.66	0.092	19.70	0.093	19.73	0.094
15	16QAM	1	37	19.66	0.092	19.70	0.093	19.66	0.092
15	16QAM	1	74	19.67	0.093	19.65	0.092	19.67	0.093
15	16QAM	36	0	18.73	0.075	18.74	0.075	18.70	0.074
15	16QAM	36	20	18.71	0.074	18.72	0.074	18.61	0.073
15	16QAM	36	39	18.68	0.074	18.71	0.074	18.61	0.073
15	16QAM	75	0	18.54	0.071	18.62	0.073	18.57	0.072
15	64QAM	1	0	18.67	0.074	18.74	0.075	18.75	0.075
15	64QAM	1	37	18.61	0.073	18.65	0.073	18.64	0.073
15	64QAM	1	74	18.62	0.073	18.69	0.074	18.66	0.073
15	64QAM	36	0	16.93	0.049	16.91	0.049	16.93	0.049
15	64QAM	36	20	16.78	0.048	16.92	0.049	16.86	0.049
15	64QAM	36	39	16.81	0.048	16.86	0.049	16.77	0.048
15	64QAM	75	0	16.95	0.050	16.89	0.049	16.80	0.048



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20800		21100		21400	
Frequency (MHz)				2505		2535		2565	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	20.82	0.121	20.82	0.121	20.87	0.122
10	QPSK	1	25	20.77	0.119	20.79	0.120	20.80	0.120
10	QPSK	1	49	20.74	0.119	20.76	0.119	20.65	0.116
10	QPSK	25	0	19.74	0.094	19.76	0.095	19.78	0.095
10	QPSK	25	12	19.72	0.094	19.73	0.094	19.63	0.092
10	QPSK	25	25	19.63	0.092	19.73	0.094	19.65	0.092
10	QPSK	50	0	19.63	0.092	19.77	0.095	19.69	0.093
10	16QAM	1	0	19.74	0.094	19.69	0.093	19.73	0.094
10	16QAM	1	25	19.61	0.091	19.69	0.093	19.71	0.094
10	16QAM	1	49	19.66	0.092	19.68	0.093	19.65	0.092
10	16QAM	25	0	18.68	0.074	18.72	0.074	18.64	0.073
10	16QAM	25	12	18.73	0.075	18.70	0.074	18.69	0.074
10	16QAM	25	25	18.63	0.073	18.64	0.073	18.58	0.072
10	16QAM	50	0	18.62	0.073	18.68	0.074	18.54	0.071
10	64QAM	1	0	18.62	0.073	18.76	0.075	18.74	0.075
10	64QAM	1	25	18.63	0.073	18.65	0.073	18.67	0.074
10	64QAM	1	49	18.65	0.073	18.70	0.074	18.65	0.073
10	64QAM	25	0	16.85	0.048	16.89	0.049	16.87	0.049
10	64QAM	25	12	16.79	0.048	16.91	0.049	16.81	0.048
10	64QAM	25	25	16.85	0.048	16.88	0.049	16.75	0.047
10	64QAM	50	0	16.89	0.049	16.92	0.049	16.81	0.048



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20775		21100		21425	
Frequency (MHz)				2502.5		2535		2567.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	20.83	0.121	20.83	0.121	20.82	0.121
5	QPSK	1	12	20.74	0.119	20.83	0.121	20.77	0.119
5	QPSK	1	24	20.72	0.118	20.74	0.119	20.74	0.119
5	QPSK	12	0	19.73	0.094	19.77	0.095	19.72	0.094
5	QPSK	12	7	19.75	0.094	19.71	0.094	19.63	0.092
5	QPSK	12	13	19.69	0.093	19.73	0.094	19.66	0.092
5	QPSK	25	0	19.60	0.091	19.72	0.094	19.68	0.093
5	16QAM	1	0	19.67	0.093	19.72	0.094	19.71	0.094
5	16QAM	1	12	19.63	0.092	19.67	0.093	19.67	0.093
5	16QAM	1	24	19.59	0.091	19.73	0.094	19.68	0.093
5	16QAM	12	0	18.66	0.073	18.74	0.075	18.68	0.074
5	16QAM	12	7	18.67	0.074	18.68	0.074	18.65	0.073
5	16QAM	12	13	18.65	0.073	18.67	0.074	18.60	0.072
5	16QAM	25	0	18.54	0.071	18.64	0.073	18.60	0.072
5	64QAM	1	0	18.68	0.074	18.68	0.074	18.66	0.073
5	64QAM	1	12	18.63	0.073	18.70	0.074	18.69	0.074
5	64QAM	1	24	18.65	0.073	18.64	0.073	18.63	0.073
5	64QAM	12	0	16.94	0.049	16.89	0.049	16.84	0.048
5	64QAM	12	7	16.76	0.047	16.91	0.049	16.84	0.048
5	64QAM	12	13	16.80	0.048	16.91	0.049	16.76	0.047
5	64QAM	25	0	16.93	0.049	16.95	0.050	16.79	0.048



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	/	/	16.39	0.044	/	/
10	QPSK	1	25	/	/	16.36	0.043	/	/
10	QPSK	1	49	/	/	16.34	0.043	/	/
10	QPSK	25	0	/	/	15.20	0.033	/	/
10	QPSK	25	12	/	/	15.15	0.033	/	/
10	QPSK	25	25	/	/	15.14	0.033	/	/
10	QPSK	50	0	/	/	15.09	0.032	/	/
10	16QAM	1	0	/	/	15.52	0.036	/	/
10	16QAM	1	25	/	/	15.50	0.035	/	/
10	16QAM	1	49	/	/	15.49	0.035	/	/
10	16QAM	25	0	/	/	14.10	0.026	/	/
10	16QAM	25	12	/	/	14.08	0.026	/	/
10	16QAM	25	25	/	/	14.09	0.026	/	/
10	16QAM	50	0	/	/	14.31	0.027	/	/
10	64QAM	1	0	/	/	14.23	0.026	/	/
10	64QAM	1	25	/	/	14.22	0.026	/	/
10	64QAM	1	49	/	/	14.20	0.026	/	/
10	64QAM	25	0	/	/	12.55	0.018	/	/
10	64QAM	25	12	/	/	12.52	0.018	/	/
10	64QAM	25	25	/	/	12.64	0.018	/	/
10	64QAM	50	0	/	/	12.86	0.019	/	/



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	16.33	0.043	16.34	0.043	16.27	0.042
5	QPSK	1	12	16.27	0.042	16.31	0.043	16.30	0.043
5	QPSK	1	24	16.31	0.043	16.31	0.043	16.25	0.042
5	QPSK	12	0	15.18	0.033	15.17	0.033	15.15	0.033
5	QPSK	12	7	15.05	0.032	15.08	0.032	15.13	0.033
5	QPSK	12	13	15.12	0.033	15.05	0.032	15.09	0.032
5	QPSK	25	0	15.03	0.032	15.03	0.032	15.03	0.032
5	16QAM	1	0	15.48	0.035	15.42	0.035	15.48	0.035
5	16QAM	1	12	15.47	0.035	15.48	0.035	15.42	0.035
5	16QAM	1	24	15.44	0.035	15.40	0.035	15.43	0.035
5	16QAM	12	0	14.09	0.026	14.07	0.026	14.02	0.025
5	16QAM	12	7	14.05	0.025	14.06	0.025	13.98	0.025
5	16QAM	12	13	14.05	0.025	14.06	0.025	13.99	0.025
5	16QAM	25	0	14.25	0.027	14.21	0.026	14.24	0.027
5	64QAM	1	0	14.21	0.026	14.17	0.026	14.15	0.026
5	64QAM	1	12	14.16	0.026	14.13	0.026	14.12	0.026
5	64QAM	1	24	14.19	0.026	14.11	0.026	14.12	0.026
5	64QAM	12	0	12.45	0.018	12.48	0.018	12.53	0.018
5	64QAM	12	7	12.47	0.018	12.51	0.018	12.47	0.018
5	64QAM	12	13	12.54	0.018	12.56	0.018	12.61	0.018
5	64QAM	25	0	12.79	0.019	12.77	0.019	12.85	0.019



LTE Band 38				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				37850		38000		38150	
Frequency (MHz)				2580		2595		2610	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	21.40	0.138	21.44	0.139	21.35	0.136
20	QPSK	1	49	21.39	0.138	21.40	0.138	21.37	0.137
20	QPSK	1	99	21.31	0.135	21.39	0.138	21.31	0.135
20	QPSK	50	0	20.00	0.100	20.18	0.104	20.05	0.101
20	QPSK	50	24	19.94	0.099	19.96	0.099	19.94	0.099
20	QPSK	50	50	19.91	0.098	19.93	0.098	19.90	0.098
20	QPSK	100	0	19.72	0.094	19.76	0.095	19.75	0.094
20	16QAM	1	0	19.53	0.090	19.62	0.092	19.53	0.090
20	16QAM	1	49	19.50	0.089	19.60	0.091	19.55	0.090
20	16QAM	1	99	19.55	0.090	19.58	0.091	19.51	0.089
20	16QAM	50	0	18.94	0.078	19.04	0.080	18.95	0.079
20	16QAM	50	24	18.91	0.078	19.01	0.080	18.92	0.078
20	16QAM	50	50	18.94	0.078	19.00	0.079	18.99	0.079
20	16QAM	100	0	18.64	0.073	18.72	0.074	18.66	0.073
20	64QAM	1	0	18.33	0.068	18.43	0.070	18.33	0.068
20	64QAM	1	49	18.34	0.068	18.40	0.069	18.34	0.068
20	64QAM	1	99	18.35	0.068	18.39	0.069	18.33	0.068
20	64QAM	50	0	17.60	0.058	17.67	0.058	17.65	0.058
20	64QAM	50	24	17.59	0.057	17.66	0.058	17.64	0.058
20	64QAM	50	50	17.58	0.057	17.64	0.058	17.56	0.057
20	64QAM	100	0	17.54	0.057	17.55	0.057	17.45	0.056



LTE Band 38				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				37825		38000		38175	
Frequency (MHz)				2577.5		2595		2612.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	21.38	0.137	21.41	0.138	21.30	0.135
15	QPSK	1	37	21.30	0.135	21.39	0.138	21.36	0.137
15	QPSK	1	74	21.28	0.134	21.31	0.135	21.23	0.133
15	QPSK	36	0	19.98	0.100	20.02	0.100	20.01	0.100
15	QPSK	36	20	19.89	0.097	19.92	0.098	19.86	0.097
15	QPSK	36	39	19.87	0.097	19.89	0.097	19.84	0.096
15	QPSK	75	0	19.64	0.092	19.71	0.094	19.72	0.094
15	16QAM	1	0	19.45	0.088	19.59	0.091	19.49	0.089
15	16QAM	1	37	19.41	0.087	19.55	0.090	19.53	0.090
15	16QAM	1	74	19.52	0.090	19.52	0.090	19.49	0.089
15	16QAM	36	0	18.89	0.077	18.96	0.079	18.88	0.077
15	16QAM	36	20	18.81	0.076	18.93	0.078	18.82	0.076
15	16QAM	36	39	18.85	0.077	18.92	0.078	18.92	0.078
15	16QAM	75	0	18.62	0.073	18.69	0.074	18.60	0.072
15	64QAM	1	0	18.31	0.068	18.41	0.069	18.38	0.069
15	64QAM	1	37	18.30	0.068	18.37	0.069	18.35	0.068
15	64QAM	1	74	18.31	0.068	18.30	0.068	18.32	0.068
15	64QAM	36	0	17.58	0.057	17.62	0.058	17.56	0.057
15	64QAM	36	20	17.56	0.057	17.62	0.058	17.62	0.058
15	64QAM	36	39	17.56	0.057	17.63	0.058	17.46	0.056
15	64QAM	75	0	17.47	0.056	17.47	0.056	17.35	0.054



LTE Band 38				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				37800		38000		38200	
Frequency (MHz)				2575		2595		2615	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	21.32	0.136	21.43	0.139	21.34	0.136
10	QPSK	1	25	21.37	0.137	21.33	0.136	21.28	0.134
10	QPSK	1	49	21.26	0.134	21.29	0.135	21.25	0.133
10	QPSK	25	0	19.94	0.099	20.02	0.100	20.02	0.100
10	QPSK	25	12	19.90	0.098	19.87	0.097	19.90	0.098
10	QPSK	25	25	19.90	0.098	19.90	0.098	19.80	0.095
10	QPSK	50	0	19.71	0.094	19.70	0.093	19.71	0.094
10	16QAM	1	0	19.45	0.088	19.56	0.090	19.51	0.089
10	16QAM	1	25	19.45	0.088	19.52	0.090	19.48	0.089
10	16QAM	1	49	19.51	0.089	19.56	0.090	19.50	0.089
10	16QAM	25	0	18.93	0.078	18.99	0.079	18.90	0.078
10	16QAM	25	12	18.81	0.076	18.91	0.078	18.91	0.078
10	16QAM	25	25	18.90	0.078	18.95	0.079	18.94	0.078
10	16QAM	50	0	18.63	0.073	18.71	0.074	18.62	0.073
10	64QAM	1	0	18.36	0.069	18.38	0.069	18.35	0.068
10	64QAM	1	25	18.35	0.068	18.34	0.068	18.33	0.068
10	64QAM	1	49	18.33	0.068	18.30	0.068	18.31	0.068
10	64QAM	25	0	17.53	0.057	17.61	0.058	17.62	0.058
10	64QAM	25	12	17.58	0.057	17.60	0.058	17.57	0.057
10	64QAM	25	25	17.55	0.057	17.63	0.058	17.55	0.057
10	64QAM	50	0	17.52	0.056	17.46	0.056	17.35	0.054



LTE Band 38				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				37775		38000		38225	
Frequency (MHz)				2572.5		2595		2617.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	21.32	0.136	21.37	0.137	21.30	0.135
5	QPSK	1	12	21.32	0.136	21.31	0.135	21.35	0.136
5	QPSK	1	24	21.29	0.135	21.38	0.137	21.23	0.133
5	QPSK	12	0	19.90	0.098	20.05	0.101	19.96	0.099
5	QPSK	12	7	19.93	0.098	19.89	0.097	19.91	0.098
5	QPSK	12	13	19.84	0.096	19.86	0.097	19.89	0.097
5	QPSK	25	0	19.68	0.093	19.73	0.094	19.68	0.093
5	16QAM	1	0	19.45	0.088	19.54	0.090	19.52	0.090
5	16QAM	1	12	19.43	0.088	19.51	0.089	19.46	0.088
5	16QAM	1	24	19.50	0.089	19.48	0.089	19.48	0.089
5	16QAM	12	0	18.92	0.078	19.03	0.080	18.92	0.078
5	16QAM	12	7	18.89	0.077	18.99	0.079	18.91	0.078
5	16QAM	12	13	18.86	0.077	18.97	0.079	18.97	0.079
5	16QAM	25	0	18.56	0.072	18.70	0.074	18.57	0.072
5	64QAM	1	0	18.32	0.068	18.34	0.068	18.35	0.068
5	64QAM	1	12	18.30	0.068	18.35	0.068	18.33	0.068
5	64QAM	1	24	18.35	0.068	18.36	0.069	18.30	0.068
5	64QAM	12	0	17.54	0.057	17.66	0.058	17.62	0.058
5	64QAM	12	7	17.51	0.056	17.60	0.058	17.55	0.057
5	64QAM	12	13	17.53	0.057	17.60	0.058	17.55	0.057
5	64QAM	25	0	17.47	0.056	17.52	0.056	17.38	0.055



LTE Band 40, Block A				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				/		38750		/	
Frequency (MHz)				/		2310		/	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	/	/	20.96	0.125	/	/
10	QPSK	1	25	/	/	20.86	0.122	/	/
10	QPSK	1	49	/	/	20.88	0.122	/	/
10	QPSK	25	0	/	/	19.54	0.090	/	/
10	QPSK	25	12	/	/	19.49	0.089	/	/
10	QPSK	25	25	/	/	19.48	0.089	/	/
10	QPSK	50	0	/	/	19.44	0.088	/	/
10	16QAM	1	0	/	/	19.21	0.083	/	/
10	16QAM	1	25	/	/	19.18	0.083	/	/
10	16QAM	1	49	/	/	19.20	0.083	/	/
10	16QAM	25	0	/	/	18.69	0.074	/	/
10	16QAM	25	12	/	/	18.66	0.073	/	/
10	16QAM	25	25	/	/	18.65	0.073	/	/
10	16QAM	50	0	/	/	18.74	0.075	/	/
10	64QAM	1	0	/	/	18.11	0.065	/	/
10	64QAM	1	25	/	/	18.08	0.064	/	/
10	64QAM	1	49	/	/	18.06	0.064	/	/
10	64QAM	25	0	/	/	17.10	0.051	/	/
10	64QAM	25	12	/	/	17.09	0.051	/	/
10	64QAM	25	25	/	/	17.04	0.051	/	/
10	64QAM	50	0	/	/	17.05	0.051	/	/



LTE Band 40, Block A				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				38725		38750		38775	
Frequency (MHz)				2307.5		2310		2312.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	20.87	0.122	20.90	0.123	20.95	0.124
5	QPSK	1	12	20.77	0.119	20.83	0.121	20.82	0.121
5	QPSK	1	24	20.81	0.121	20.81	0.121	20.78	0.120
5	QPSK	12	0	19.51	0.089	19.52	0.090	19.46	0.088
5	QPSK	12	7	19.44	0.088	19.43	0.088	19.43	0.088
5	QPSK	12	13	19.44	0.088	19.38	0.087	19.45	0.088
5	QPSK	25	0	19.35	0.086	19.43	0.088	19.36	0.086
5	16QAM	1	0	19.11	0.081	19.12	0.082	19.13	0.082
5	16QAM	1	12	19.13	0.082	19.13	0.082	19.10	0.081
5	16QAM	1	24	19.18	0.083	19.19	0.083	19.13	0.082
5	16QAM	12	0	18.59	0.072	18.62	0.073	18.67	0.074
5	16QAM	12	7	18.56	0.072	18.65	0.073	18.61	0.073
5	16QAM	12	13	18.56	0.072	18.55	0.072	18.55	0.072
5	16QAM	25	0	18.72	0.074	18.70	0.074	18.68	0.074
5	64QAM	1	0	18.07	0.064	18.08	0.064	18.12	0.065
5	64QAM	1	12	18.07	0.064	18.11	0.065	18.04	0.064
5	64QAM	1	24	18.06	0.064	18.02	0.063	18.01	0.063
5	64QAM	12	0	17.07	0.051	17.13	0.052	17.10	0.051
5	64QAM	12	7	17.04	0.051	17.09	0.051	17.10	0.051
5	64QAM	12	13	17.00	0.050	16.99	0.050	17.00	0.050
5	64QAM	25	0	17.03	0.050	17.06	0.051	17.04	0.051



LTE Band 40, Block B				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				/		39200		/	
Frequency (MHz)				/		2355		/	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	/	/	20.92	0.124	/	/
10	QPSK	1	25	/	/	20.84	0.121	/	/
10	QPSK	1	49	/	/	20.86	0.122	/	/
10	QPSK	25	0	/	/	19.52	0.090	/	/
10	QPSK	25	12	/	/	19.47	0.089	/	/
10	QPSK	25	25	/	/	19.46	0.088	/	/
10	QPSK	50	0	/	/	19.42	0.087	/	/
10	16QAM	1	0	/	/	19.19	0.083	/	/
10	16QAM	1	25	/	/	19.16	0.082	/	/
10	16QAM	1	49	/	/	19.18	0.083	/	/
10	16QAM	25	0	/	/	18.67	0.074	/	/
10	16QAM	25	12	/	/	18.64	0.073	/	/
10	16QAM	25	25	/	/	18.63	0.073	/	/
10	16QAM	50	0	/	/	18.72	0.074	/	/
10	64QAM	1	0	/	/	18.09	0.064	/	/
10	64QAM	1	25	/	/	18.06	0.064	/	/
10	64QAM	1	49	/	/	18.04	0.064	/	/
10	64QAM	25	0	/	/	17.08	0.051	/	/
10	64QAM	25	12	/	/	17.07	0.051	/	/
10	64QAM	25	25	/	/	17.02	0.050	/	/
10	64QAM	50	0	/	/	17.03	0.050	/	/



LTE Band 40, Block B				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39175		39200		39225	
Frequency (MHz)				2352.5		2355		2357.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	20.88	0.122	20.85	0.122	20.82	0.121
5	QPSK	1	12	20.77	0.119	20.74	0.119	20.78	0.120
5	QPSK	1	24	20.81	0.121	20.80	0.120	20.76	0.119
5	QPSK	12	0	19.46	0.088	19.44	0.088	19.42	0.087
5	QPSK	12	7	19.44	0.088	19.42	0.087	19.45	0.088
5	QPSK	12	13	19.36	0.086	19.40	0.087	19.38	0.087
5	QPSK	25	0	19.37	0.086	19.40	0.087	19.40	0.087
5	16QAM	1	0	19.16	0.082	19.16	0.082	19.12	0.082
5	16QAM	1	12	19.10	0.081	19.12	0.082	19.13	0.082
5	16QAM	1	24	19.17	0.083	19.08	0.081	19.11	0.081
5	16QAM	12	0	18.58	0.072	18.58	0.072	18.65	0.073
5	16QAM	12	7	18.61	0.073	18.54	0.071	18.62	0.073
5	16QAM	12	13	18.56	0.072	18.53	0.071	18.54	0.071
5	16QAM	25	0	18.64	0.073	18.65	0.073	18.66	0.073
5	64QAM	1	0	18.08	0.064	18.10	0.065	18.11	0.065
5	64QAM	1	12	18.03	0.064	18.09	0.064	18.02	0.063
5	64QAM	1	24	18.01	0.063	18.03	0.064	18.00	0.063
5	64QAM	12	0	17.07	0.051	17.02	0.050	17.05	0.051
5	64QAM	12	7	17.05	0.051	17.07	0.051	17.04	0.051
5	64QAM	12	13	17.05	0.051	16.98	0.050	17.02	0.050
5	64QAM	25	0	16.97	0.050	17.03	0.050	17.05	0.051



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				40140		40640		41140	
Frequency (MHz)				2545		2595		2645	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	21.33	0.136	21.38	0.137	21.32	0.136
20	QPSK	1	49	21.25	0.133	21.34	0.136	21.26	0.134
20	QPSK	1	99	21.30	0.135	21.31	0.135	21.22	0.132
20	QPSK	50	0	20.33	0.108	20.36	0.109	20.32	0.108
20	QPSK	50	24	20.23	0.105	20.29	0.107	20.23	0.105
20	QPSK	50	50	20.34	0.108	20.38	0.109	20.31	0.107
20	QPSK	100	0	20.01	0.100	20.02	0.100	19.97	0.099
20	16QAM	1	0	19.85	0.097	19.94	0.099	19.85	0.097
20	16QAM	1	49	19.92	0.098	19.93	0.098	19.83	0.096
20	16QAM	1	99	19.88	0.097	19.91	0.098	19.88	0.097
20	16QAM	50	0	19.09	0.081	19.12	0.082	19.04	0.080
20	16QAM	50	24	19.23	0.084	19.30	0.085	19.29	0.085
20	16QAM	50	50	19.24	0.084	19.31	0.085	19.25	0.084
20	16QAM	100	0	18.96	0.079	19.04	0.080	19.00	0.079
20	64QAM	1	0	19.23	0.084	19.29	0.085	19.28	0.085
20	64QAM	1	49	19.18	0.083	19.27	0.085	19.25	0.084
20	64QAM	1	99	19.19	0.083	19.26	0.084	19.20	0.083
20	64QAM	50	0	18.15	0.065	18.22	0.066	18.20	0.066
20	64QAM	50	24	18.12	0.065	18.20	0.066	18.12	0.065
20	64QAM	50	50	18.11	0.065	18.18	0.066	18.09	0.064
20	64QAM	100	0	18.08	0.064	18.10	0.065	18.06	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				40115		40640		41165	
Frequency (MHz)				2542.5		2595		2647.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	21.32	0.136	21.33	0.136	21.27	0.134
15	QPSK	1	37	21.21	0.132	21.27	0.134	21.19	0.132
15	QPSK	1	74	21.23	0.133	21.29	0.135	21.16	0.131
15	QPSK	36	0	20.27	0.106	20.27	0.106	20.25	0.106
15	QPSK	36	20	20.22	0.105	20.27	0.106	20.22	0.105
15	QPSK	36	39	20.33	0.108	20.37	0.109	20.25	0.106
15	QPSK	75	0	19.95	0.099	19.94	0.099	19.94	0.099
15	16QAM	1	0	19.84	0.096	19.93	0.098	19.80	0.095
15	16QAM	1	37	19.84	0.096	19.89	0.097	19.78	0.095
15	16QAM	1	74	19.81	0.096	19.83	0.096	19.79	0.095
15	16QAM	36	0	19.08	0.081	19.10	0.081	18.98	0.079
15	16QAM	36	20	19.17	0.083	19.21	0.083	19.26	0.084
15	16QAM	36	39	19.20	0.083	19.26	0.084	19.19	0.083
15	16QAM	75	0	18.95	0.079	18.96	0.079	18.98	0.079
15	64QAM	1	0	19.19	0.083	19.21	0.083	19.26	0.084
15	64QAM	1	37	19.13	0.082	19.19	0.083	19.23	0.084
15	64QAM	1	74	19.16	0.082	19.21	0.083	19.11	0.081
15	64QAM	36	0	18.05	0.064	18.14	0.065	18.12	0.065
15	64QAM	36	20	18.02	0.063	18.14	0.065	18.05	0.064
15	64QAM	36	39	18.01	0.063	18.09	0.064	18.01	0.063
15	64QAM	75	0	18.03	0.064	18.06	0.064	17.97	0.063



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				40090		40640		41190	
Frequency (MHz)				2540		2595		2650	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	21.29	0.135	21.37	0.137	21.30	0.135
10	QPSK	1	25	21.19	0.132	21.32	0.136	21.24	0.133
10	QPSK	1	49	21.20	0.132	21.24	0.133	21.16	0.131
10	QPSK	25	0	20.25	0.106	20.34	0.108	20.31	0.107
10	QPSK	25	12	20.16	0.104	20.23	0.105	20.19	0.104
10	QPSK	25	25	20.31	0.107	20.30	0.107	20.22	0.105
10	QPSK	50	0	19.96	0.099	19.92	0.098	19.96	0.099
10	16QAM	1	0	19.78	0.095	19.89	0.097	19.84	0.096
10	16QAM	1	25	19.82	0.096	19.90	0.098	19.73	0.094
10	16QAM	1	49	19.78	0.095	19.90	0.098	19.78	0.095
10	16QAM	25	0	19.00	0.079	19.02	0.080	18.95	0.079
10	16QAM	25	12	19.18	0.083	19.28	0.085	19.19	0.083
10	16QAM	25	25	19.15	0.082	19.29	0.085	19.23	0.084
10	16QAM	50	0	18.91	0.078	18.97	0.079	18.92	0.078
10	64QAM	1	0	19.18	0.083	19.28	0.085	19.26	0.084
10	64QAM	1	25	19.13	0.082	19.19	0.083	19.20	0.083
10	64QAM	1	49	19.09	0.081	19.25	0.084	19.15	0.082
10	64QAM	25	0	18.08	0.064	18.17	0.066	18.13	0.065
10	64QAM	25	12	18.08	0.064	18.16	0.065	18.02	0.063
10	64QAM	25	25	18.06	0.064	18.11	0.065	18.08	0.064
10	64QAM	50	0	18.04	0.064	18.06	0.064	17.99	0.063



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				40065		40640		41215	
Frequency (MHz)				2537.5		2595		2652.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	21.32	0.136	21.31	0.135	21.28	0.134
5	QPSK	1	12	21.15	0.130	21.25	0.133	21.21	0.132
5	QPSK	1	24	21.20	0.132	21.23	0.133	21.21	0.132
5	QPSK	12	0	20.23	0.105	20.27	0.106	20.29	0.107
5	QPSK	12	7	20.15	0.104	20.26	0.106	20.19	0.104
5	QPSK	12	13	20.26	0.106	20.36	0.109	20.24	0.106
5	QPSK	25	0	19.98	0.100	19.95	0.099	19.92	0.098
5	16QAM	1	0	19.81	0.096	19.85	0.097	19.76	0.095
5	16QAM	1	12	19.84	0.096	19.90	0.098	19.82	0.096
5	16QAM	1	24	19.86	0.097	19.84	0.096	19.80	0.095
5	16QAM	12	0	19.01	0.080	19.10	0.081	18.95	0.079
5	16QAM	12	7	19.18	0.083	19.28	0.085	19.26	0.084
5	16QAM	12	13	19.20	0.083	19.24	0.084	19.23	0.084
5	16QAM	25	0	18.86	0.077	18.95	0.079	18.93	0.078
5	64QAM	1	0	19.18	0.083	19.19	0.083	19.24	0.084
5	64QAM	1	12	19.08	0.081	19.22	0.084	19.19	0.083
5	64QAM	1	24	19.11	0.081	19.19	0.083	19.13	0.082
5	64QAM	12	0	18.13	0.065	18.12	0.065	18.15	0.065
5	64QAM	12	7	18.11	0.065	18.13	0.065	18.06	0.064
5	64QAM	12	13	18.02	0.063	18.08	0.064	18.08	0.064
5	64QAM	25	0	18.00	0.063	18.01	0.063	17.98	0.063



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	21.08	0.128	21.12	0.129	21.09	0.129
20	QPSK	1	49	21.00	0.126	21.08	0.128	21.06	0.128
20	QPSK	1	99	20.96	0.125	21.05	0.127	20.97	0.125
20	QPSK	50	0	19.76	0.095	19.85	0.097	19.80	0.095
20	QPSK	50	24	19.85	0.097	19.86	0.097	19.77	0.095
20	QPSK	50	50	19.80	0.095	19.87	0.097	19.84	0.096
20	QPSK	100	0	19.72	0.094	19.76	0.095	19.71	0.094
20	16QAM	1	0	20.36	0.109	20.44	0.111	20.36	0.109
20	16QAM	1	49	20.37	0.109	20.42	0.110	20.33	0.108
20	16QAM	1	99	20.32	0.108	20.40	0.110	20.32	0.108
20	16QAM	50	0	18.30	0.068	18.38	0.069	18.29	0.067
20	16QAM	50	24	18.36	0.069	18.37	0.069	18.31	0.068
20	16QAM	50	50	18.33	0.068	18.35	0.068	18.25	0.067
20	16QAM	100	0	18.37	0.069	18.44	0.070	18.36	0.069
20	64QAM	1	0	18.58	0.072	18.65	0.073	18.57	0.072
20	64QAM	1	49	18.55	0.072	18.63	0.073	18.58	0.072
20	64QAM	1	99	18.60	0.072	18.64	0.073	18.58	0.072
20	64QAM	50	0	17.01	0.050	17.07	0.051	17.06	0.051
20	64QAM	50	24	17.02	0.050	17.00	0.050	17.01	0.050
20	64QAM	50	50	16.97	0.050	17.02	0.050	17.01	0.050
20	64QAM	100	0	17.02	0.050	17.11	0.051	17.08	0.051



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	21.03	0.127	21.03	0.127	21.01	0.126
15	QPSK	1	37	20.93	0.124	20.98	0.125	21.05	0.127
15	QPSK	1	74	20.90	0.123	20.97	0.125	20.96	0.125
15	QPSK	36	0	19.74	0.094	19.78	0.095	19.70	0.093
15	QPSK	36	20	19.78	0.095	19.84	0.096	19.73	0.094
15	QPSK	36	39	19.70	0.093	19.85	0.097	19.80	0.095
15	QPSK	75	0	19.70	0.093	19.73	0.094	19.66	0.092
15	16QAM	1	0	20.35	0.108	20.42	0.110	20.35	0.108
15	16QAM	1	37	20.35	0.108	20.38	0.109	20.23	0.105
15	16QAM	1	74	20.23	0.105	20.38	0.109	20.29	0.107
15	16QAM	36	0	18.24	0.067	18.36	0.069	18.19	0.066
15	16QAM	36	20	18.31	0.068	18.34	0.068	18.23	0.067
15	16QAM	36	39	18.29	0.067	18.29	0.067	18.20	0.066
15	16QAM	75	0	18.34	0.068	18.39	0.069	18.32	0.068
15	64QAM	1	0	18.56	0.072	18.63	0.073	18.52	0.071
15	64QAM	1	37	18.46	0.070	18.62	0.073	18.56	0.072
15	64QAM	1	74	18.54	0.071	18.56	0.072	18.50	0.071
15	64QAM	36	0	16.91	0.049	16.97	0.050	17.05	0.051
15	64QAM	36	20	17.01	0.050	16.93	0.049	16.98	0.050
15	64QAM	36	39	16.96	0.050	16.95	0.050	16.96	0.050
15	64QAM	75	0	16.99	0.050	17.04	0.051	16.99	0.050



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	21.02	0.126	21.11	0.129	21.04	0.127
10	QPSK	1	25	20.98	0.125	21.04	0.127	21.02	0.126
10	QPSK	1	49	20.95	0.124	21.00	0.126	20.91	0.123
10	QPSK	25	0	19.66	0.092	19.80	0.095	19.72	0.094
10	QPSK	25	12	19.80	0.095	19.84	0.096	19.69	0.093
10	QPSK	25	25	19.74	0.094	19.86	0.097	19.82	0.096
10	QPSK	50	0	19.71	0.094	19.73	0.094	19.65	0.092
10	16QAM	1	0	20.35	0.108	20.35	0.108	20.26	0.106
10	16QAM	1	25	20.33	0.108	20.33	0.108	20.24	0.106
10	16QAM	1	49	20.23	0.105	20.37	0.109	20.22	0.105
10	16QAM	25	0	18.23	0.067	18.37	0.069	18.26	0.067
10	16QAM	25	12	18.29	0.067	18.29	0.067	18.21	0.066
10	16QAM	25	25	18.32	0.068	18.26	0.067	18.19	0.066
10	16QAM	50	0	18.30	0.068	18.37	0.069	18.34	0.068
10	64QAM	1	0	18.53	0.071	18.57	0.072	18.47	0.070
10	64QAM	1	25	18.48	0.070	18.58	0.072	18.54	0.071
10	64QAM	1	49	18.54	0.071	18.57	0.072	18.49	0.071
10	64QAM	25	0	16.95	0.050	16.98	0.050	16.96	0.050
10	64QAM	25	12	16.96	0.050	16.93	0.049	16.92	0.049
10	64QAM	25	25	16.92	0.049	16.98	0.050	16.92	0.049
10	64QAM	50	0	16.99	0.050	17.02	0.050	16.99	0.050



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	21.01	0.126	21.03	0.127	21.05	0.127
5	QPSK	1	12	20.90	0.123	20.98	0.125	21.01	0.126
5	QPSK	1	24	20.92	0.124	21.00	0.126	20.88	0.122
5	QPSK	12	0	19.70	0.093	19.77	0.095	19.79	0.095
5	QPSK	12	7	19.82	0.096	19.77	0.095	19.74	0.094
5	QPSK	12	13	19.76	0.095	19.79	0.095	19.75	0.094
5	QPSK	25	0	19.62	0.092	19.67	0.093	19.65	0.092
5	16QAM	1	0	20.27	0.106	20.38	0.109	20.31	0.107
5	16QAM	1	12	20.27	0.106	20.33	0.108	20.30	0.107
5	16QAM	1	24	20.27	0.106	20.31	0.107	20.28	0.107
5	16QAM	12	0	18.29	0.067	18.28	0.067	18.23	0.067
5	16QAM	12	7	18.29	0.067	18.36	0.069	18.25	0.067
5	16QAM	12	13	18.31	0.068	18.34	0.068	18.21	0.066
5	16QAM	25	0	18.30	0.068	18.40	0.069	18.28	0.067
5	64QAM	1	0	18.49	0.071	18.55	0.072	18.50	0.071
5	64QAM	1	12	18.46	0.070	18.61	0.073	18.50	0.071
5	64QAM	1	24	18.51	0.071	18.63	0.073	18.49	0.071
5	64QAM	12	0	17.00	0.050	16.99	0.050	16.96	0.050
5	64QAM	12	7	16.96	0.050	16.95	0.050	16.95	0.050
5	64QAM	12	13	16.88	0.049	16.98	0.050	16.94	0.049
5	64QAM	25	0	16.99	0.050	17.10	0.051	16.99	0.050



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	20.99	0.126	21.09	0.129	21.04	0.127
3	QPSK	1	8	20.90	0.123	21.05	0.127	21.01	0.126
3	QPSK	1	14	20.92	0.124	20.98	0.125	20.88	0.122
3	QPSK	8	0	19.73	0.094	19.80	0.095	19.79	0.095
3	QPSK	8	4	19.81	0.096	19.84	0.096	19.71	0.094
3	QPSK	8	7	19.74	0.094	19.78	0.095	19.77	0.095
3	QPSK	15	0	19.66	0.092	19.70	0.093	19.70	0.093
3	16QAM	1	0	20.32	0.108	20.43	0.110	20.33	0.108
3	16QAM	1	8	20.35	0.108	20.40	0.110	20.31	0.107
3	16QAM	1	14	20.24	0.106	20.39	0.109	20.22	0.105
3	16QAM	8	0	18.23	0.067	18.30	0.068	18.19	0.066
3	16QAM	8	4	18.34	0.068	18.36	0.069	18.30	0.068
3	16QAM	8	7	18.25	0.067	18.27	0.067	18.17	0.066
3	16QAM	15	0	18.33	0.068	18.35	0.068	18.35	0.068
3	64QAM	1	0	18.50	0.071	18.56	0.072	18.50	0.071
3	64QAM	1	8	18.46	0.070	18.58	0.072	18.50	0.071
3	64QAM	1	14	18.53	0.071	18.54	0.071	18.49	0.071
3	64QAM	8	0	16.97	0.050	16.99	0.050	17.02	0.050
3	64QAM	8	4	16.92	0.049	16.90	0.049	16.94	0.049
3	64QAM	8	7	16.94	0.049	16.94	0.049	16.92	0.049
3	64QAM	15	0	16.95	0.050	17.08	0.051	17.04	0.051



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	21.04	0.127	21.04	0.127	21.02	0.126
1.4	QPSK	1	3	20.90	0.123	21.01	0.126	20.97	0.125
1.4	QPSK	1	5	20.91	0.123	21.02	0.126	20.89	0.123
1.4	QPSK	3	0	20.60	0.115	20.72	0.118	20.60	0.115
1.4	QPSK	3	1	20.69	0.117	20.69	0.117	20.58	0.114
1.4	QPSK	3	3	20.67	0.117	20.70	0.117	20.65	0.116
1.4	QPSK	6	0	19.68	0.093	19.73	0.094	19.63	0.092
1.4	16QAM	1	0	20.28	0.107	20.37	0.109	20.27	0.106
1.4	16QAM	1	3	20.33	0.108	20.38	0.109	20.31	0.107
1.4	16QAM	1	5	20.31	0.107	20.38	0.109	20.31	0.107
1.4	16QAM	3	0	19.12	0.082	19.19	0.083	19.13	0.082
1.4	16QAM	3	1	19.22	0.084	19.19	0.083	19.16	0.082
1.4	16QAM	3	3	19.19	0.083	19.14	0.082	19.04	0.080
1.4	16QAM	6	0	18.27	0.067	18.42	0.070	18.34	0.068
1.4	64QAM	1	0	18.55	0.072	18.63	0.073	18.55	0.072
1.4	64QAM	1	3	18.51	0.071	18.61	0.073	18.49	0.071
1.4	64QAM	1	5	18.57	0.072	18.57	0.072	18.55	0.072
1.4	64QAM	3	0	17.85	0.061	17.88	0.061	17.85	0.061
1.4	64QAM	3	1	17.88	0.061	17.83	0.061	17.82	0.061
1.4	64QAM	3	3	17.83	0.061	17.89	0.062	17.87	0.061
1.4	64QAM	6	0	16.95	0.050	17.03	0.050	17.06	0.051



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	20.45	0.111	20.56	0.114	20.48	0.112
20	QPSK	1	49	20.40	0.110	20.50	0.112	20.40	0.110
20	QPSK	1	99	20.44	0.111	20.48	0.112	20.43	0.110
20	QPSK	50	0	19.53	0.090	19.58	0.091	19.55	0.090
20	QPSK	50	24	19.33	0.086	19.43	0.088	19.38	0.087
20	QPSK	50	50	19.31	0.085	19.38	0.087	19.31	0.085
20	QPSK	100	0	19.37	0.086	19.42	0.087	19.38	0.087
20	16QAM	1	0	19.40	0.087	19.44	0.088	19.37	0.086
20	16QAM	1	49	19.38	0.087	19.40	0.087	19.30	0.085
20	16QAM	1	99	19.28	0.085	19.36	0.086	19.34	0.086
20	16QAM	50	0	18.35	0.068	18.38	0.069	18.35	0.068
20	16QAM	50	24	18.28	0.067	18.37	0.069	18.34	0.068
20	16QAM	50	50	18.26	0.067	18.35	0.068	18.28	0.067
20	16QAM	100	0	18.44	0.070	18.47	0.070	18.43	0.070
20	64QAM	1	0	17.83	0.061	17.90	0.062	17.88	0.061
20	64QAM	1	49	17.81	0.060	17.87	0.061	17.81	0.060
20	64QAM	1	99	17.78	0.060	17.88	0.061	17.86	0.061
20	64QAM	50	0	16.66	0.046	16.70	0.047	16.62	0.046
20	64QAM	50	24	16.60	0.046	16.68	0.047	16.60	0.046
20	64QAM	50	50	16.62	0.046	16.67	0.046	16.63	0.046
20	64QAM	100	0	16.61	0.046	16.63	0.046	16.60	0.046



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	20.38	0.109	20.53	0.113	20.44	0.111
15	QPSK	1	37	20.30	0.107	20.40	0.110	20.32	0.108
15	QPSK	1	74	20.34	0.108	20.45	0.111	20.33	0.108
15	QPSK	36	0	19.51	0.089	19.57	0.091	19.51	0.089
15	QPSK	36	20	19.26	0.084	19.42	0.087	19.31	0.085
15	QPSK	36	39	19.27	0.085	19.30	0.085	19.26	0.084
15	QPSK	75	0	19.27	0.085	19.32	0.086	19.28	0.085
15	16QAM	1	0	19.36	0.086	19.37	0.086	19.28	0.085
15	16QAM	1	37	19.36	0.086	19.31	0.085	19.26	0.084
15	16QAM	1	74	19.23	0.084	19.27	0.085	19.24	0.084
15	16QAM	36	0	18.30	0.068	18.32	0.068	18.34	0.068
15	16QAM	36	20	18.25	0.067	18.35	0.068	18.28	0.067
15	16QAM	36	39	18.22	0.066	18.25	0.067	18.20	0.066
15	16QAM	75	0	18.35	0.068	18.43	0.070	18.38	0.069
15	64QAM	1	0	17.77	0.060	17.88	0.061	17.82	0.061
15	64QAM	1	37	17.74	0.059	17.84	0.061	17.77	0.060
15	64QAM	1	74	17.73	0.059	17.79	0.060	17.82	0.061
15	64QAM	36	0	16.61	0.046	16.61	0.046	16.57	0.045
15	64QAM	36	20	16.52	0.045	16.61	0.046	16.54	0.045
15	64QAM	36	39	16.58	0.045	16.59	0.046	16.56	0.045
15	64QAM	75	0	16.51	0.045	16.59	0.046	16.55	0.045



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	20.40	0.110	20.48	0.112	20.41	0.110
10	QPSK	1	25	20.33	0.108	20.41	0.110	20.30	0.107
10	QPSK	1	49	20.37	0.109	20.41	0.110	20.40	0.110
10	QPSK	25	0	19.48	0.089	19.56	0.090	19.50	0.089
10	QPSK	25	12	19.31	0.085	19.42	0.087	19.36	0.086
10	QPSK	25	25	19.29	0.085	19.30	0.085	19.22	0.084
10	QPSK	50	0	19.35	0.086	19.36	0.086	19.36	0.086
10	16QAM	1	0	19.38	0.087	19.39	0.087	19.28	0.085
10	16QAM	1	25	19.37	0.086	19.35	0.086	19.22	0.084
10	16QAM	1	49	19.24	0.084	19.32	0.086	19.29	0.085
10	16QAM	25	0	18.29	0.067	18.34	0.068	18.28	0.067
10	16QAM	25	12	18.27	0.067	18.35	0.068	18.33	0.068
10	16QAM	25	25	18.25	0.067	18.29	0.067	18.26	0.067
10	16QAM	50	0	18.39	0.069	18.46	0.070	18.34	0.068
10	64QAM	1	0	17.75	0.060	17.87	0.061	17.79	0.060
10	64QAM	1	25	17.74	0.059	17.86	0.061	17.76	0.060
10	64QAM	1	49	17.75	0.060	17.79	0.060	17.83	0.061
10	64QAM	25	0	16.64	0.046	16.60	0.046	16.53	0.045
10	64QAM	25	12	16.59	0.046	16.62	0.046	16.53	0.045
10	64QAM	25	25	16.59	0.046	16.60	0.046	16.55	0.045
10	64QAM	50	0	16.57	0.045	16.55	0.045	16.57	0.045



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	20.38	0.109	20.49	0.112	20.38	0.109
5	QPSK	1	12	20.37	0.109	20.45	0.111	20.35	0.108
5	QPSK	1	24	20.42	0.110	20.39	0.109	20.36	0.109
5	QPSK	12	0	19.51	0.089	19.49	0.089	19.45	0.088
5	QPSK	12	7	19.29	0.085	19.37	0.086	19.34	0.086
5	QPSK	12	13	19.21	0.083	19.37	0.086	19.27	0.085
5	QPSK	25	0	19.35	0.086	19.38	0.087	19.36	0.086
5	16QAM	1	0	19.30	0.085	19.42	0.087	19.33	0.086
5	16QAM	1	12	19.32	0.086	19.38	0.087	19.24	0.084
5	16QAM	1	24	19.22	0.084	19.28	0.085	19.32	0.086
5	16QAM	12	0	18.28	0.067	18.31	0.068	18.31	0.068
5	16QAM	12	7	18.20	0.066	18.36	0.069	18.33	0.068
5	16QAM	12	13	18.24	0.067	18.25	0.067	18.19	0.066
5	16QAM	25	0	18.41	0.069	18.46	0.070	18.40	0.069
5	64QAM	1	0	17.78	0.060	17.89	0.062	17.79	0.060
5	64QAM	1	12	17.75	0.060	17.85	0.061	17.73	0.059
5	64QAM	1	24	17.76	0.060	17.86	0.061	17.77	0.060
5	64QAM	12	0	16.60	0.046	16.67	0.046	16.61	0.046
5	64QAM	12	7	16.59	0.046	16.60	0.046	16.57	0.045
5	64QAM	12	13	16.56	0.045	16.59	0.046	16.59	0.046
5	64QAM	25	0	16.54	0.045	16.58	0.045	16.55	0.045



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	20.36	0.109	20.50	0.112	20.40	0.110
3	QPSK	1	8	20.30	0.107	20.41	0.110	20.36	0.109
3	QPSK	1	14	20.41	0.110	20.44	0.111	20.34	0.108
3	QPSK	8	0	19.49	0.089	19.52	0.090	19.50	0.089
3	QPSK	8	4	19.24	0.084	19.39	0.087	19.33	0.086
3	QPSK	8	7	19.29	0.085	19.37	0.086	19.25	0.084
3	QPSK	15	0	19.33	0.086	19.37	0.086	19.33	0.086
3	16QAM	1	0	19.33	0.086	19.39	0.087	19.27	0.085
3	16QAM	1	8	19.33	0.086	19.35	0.086	19.28	0.085
3	16QAM	1	14	19.18	0.083	19.32	0.086	19.30	0.085
3	16QAM	8	0	18.26	0.067	18.37	0.069	18.28	0.067
3	16QAM	8	4	18.24	0.067	18.32	0.068	18.33	0.068
3	16QAM	8	7	18.24	0.067	18.29	0.067	18.22	0.066
3	16QAM	15	0	18.43	0.070	18.39	0.069	18.38	0.069
3	64QAM	1	0	17.75	0.060	17.80	0.060	17.80	0.060
3	64QAM	1	8	17.78	0.060	17.78	0.060	17.77	0.060
3	64QAM	1	14	17.71	0.059	17.82	0.061	17.76	0.060
3	64QAM	8	0	16.57	0.045	16.68	0.047	16.61	0.046
3	64QAM	8	4	16.50	0.045	16.59	0.046	16.51	0.045
3	64QAM	8	7	16.61	0.046	16.61	0.046	16.55	0.045
3	64QAM	15	0	16.55	0.045	16.56	0.045	16.53	0.045



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	20.44	0.111	20.46	0.111	20.40	0.110
1.4	QPSK	1	3	20.33	0.108	20.40	0.110	20.39	0.109
1.4	QPSK	1	5	20.39	0.109	20.45	0.111	20.36	0.109
1.4	QPSK	3	0	20.43	0.110	20.37	0.109	20.48	0.112
1.4	QPSK	3	1	20.29	0.107	20.39	0.109	20.33	0.108
1.4	QPSK	3	3	20.22	0.105	20.31	0.107	20.24	0.106
1.4	QPSK	6	0	19.33	0.086	19.41	0.087	19.34	0.086
1.4	16QAM	1	0	19.36	0.086	19.37	0.086	19.35	0.086
1.4	16QAM	1	3	19.28	0.085	19.32	0.086	19.23	0.084
1.4	16QAM	1	5	19.21	0.083	19.35	0.086	19.27	0.085
1.4	16QAM	3	0	19.28	0.085	19.32	0.086	19.27	0.085
1.4	16QAM	3	1	19.24	0.084	19.32	0.086	19.30	0.085
1.4	16QAM	3	3	19.23	0.084	19.32	0.086	19.19	0.083
1.4	16QAM	6	0	18.43	0.070	18.37	0.069	18.42	0.070
1.4	64QAM	1	0	17.77	0.060	17.85	0.061	17.80	0.060
1.4	64QAM	1	3	17.72	0.059	17.80	0.060	17.79	0.060
1.4	64QAM	1	5	17.68	0.059	17.81	0.060	17.85	0.061
1.4	64QAM	3	0	17.56	0.057	17.67	0.058	17.54	0.057
1.4	64QAM	3	1	17.52	0.056	17.65	0.058	17.56	0.057
1.4	64QAM	3	3	17.60	0.058	17.57	0.057	17.57	0.057
1.4	64QAM	6	0	16.54	0.045	16.53	0.045	16.55	0.045



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20050		20175		20300	
Frequency (MHz)				1720		1732.5		1745	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	19.87	0.097	19.92	0.098	19.81	0.096
20	QPSK	1	49	19.80	0.095	19.82	0.096	19.81	0.096
20	QPSK	1	99	19.75	0.094	19.85	0.097	19.78	0.095
20	QPSK	50	0	18.84	0.077	18.92	0.078	18.89	0.077
20	QPSK	50	24	18.75	0.075	18.80	0.076	18.73	0.075
20	QPSK	50	50	18.70	0.074	18.78	0.076	18.77	0.075
20	QPSK	100	0	18.79	0.076	18.82	0.076	18.72	0.074
20	16QAM	1	0	19.45	0.088	19.53	0.090	19.50	0.089
20	16QAM	1	49	19.51	0.089	19.52	0.090	19.44	0.088
20	16QAM	1	99	19.42	0.087	19.50	0.089	19.45	0.088
20	16QAM	50	0	17.35	0.054	17.39	0.055	17.38	0.055
20	16QAM	50	24	17.32	0.054	17.36	0.054	17.33	0.054
20	16QAM	50	50	17.31	0.054	17.35	0.054	17.32	0.054
20	16QAM	100	0	17.71	0.059	17.81	0.060	17.78	0.060
20	64QAM	1	0	17.42	0.055	17.45	0.056	17.36	0.054
20	64QAM	1	49	17.37	0.055	17.44	0.055	17.39	0.055
20	64QAM	1	99	17.33	0.054	17.40	0.055	17.39	0.055
20	64QAM	50	0	16.32	0.043	16.34	0.043	16.28	0.042
20	64QAM	50	24	16.29	0.043	16.32	0.043	16.25	0.042
20	64QAM	50	50	16.27	0.042	16.31	0.043	16.24	0.042
20	64QAM	100	0	16.28	0.042	16.32	0.043	16.26	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	19.81	0.096	19.83	0.096	19.79	0.095
15	QPSK	1	37	19.76	0.095	19.77	0.095	19.72	0.094
15	QPSK	1	74	19.69	0.093	19.77	0.095	19.77	0.095
15	QPSK	36	0	18.74	0.075	18.86	0.077	18.84	0.077
15	QPSK	36	20	18.70	0.074	18.78	0.076	18.71	0.074
15	QPSK	36	39	18.65	0.073	18.70	0.074	18.74	0.075
15	QPSK	75	0	18.76	0.075	18.79	0.076	18.71	0.074
15	16QAM	1	0	19.35	0.086	19.43	0.088	19.49	0.089
15	16QAM	1	37	19.42	0.087	19.44	0.088	19.36	0.086
15	16QAM	1	74	19.33	0.086	19.49	0.089	19.41	0.087
15	16QAM	36	0	17.29	0.054	17.37	0.055	17.28	0.053
15	16QAM	36	20	17.27	0.053	17.35	0.054	17.30	0.054
15	16QAM	36	39	17.27	0.053	17.29	0.054	17.27	0.053
15	16QAM	75	0	17.64	0.058	17.79	0.060	17.68	0.059
15	64QAM	1	0	17.33	0.054	17.35	0.054	17.28	0.053
15	64QAM	1	37	17.29	0.054	17.36	0.054	17.29	0.054
15	64QAM	1	74	17.31	0.054	17.36	0.054	17.35	0.054
15	64QAM	36	0	16.25	0.042	16.32	0.043	16.22	0.042
15	64QAM	36	20	16.23	0.042	16.23	0.042	16.23	0.042
15	64QAM	36	39	16.25	0.042	16.23	0.042	16.16	0.041
15	64QAM	75	0	16.21	0.042	16.24	0.042	16.20	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				20000		20175		20350	
Frequency (MHz)				1715		1732.5		1750	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	19.78	0.095	19.91	0.098	19.80	0.095
10	QPSK	1	25	19.75	0.094	19.77	0.095	19.79	0.095
10	QPSK	1	49	19.66	0.092	19.78	0.095	19.72	0.094
10	QPSK	25	0	18.83	0.076	18.86	0.077	18.86	0.077
10	QPSK	25	12	18.66	0.073	18.78	0.076	18.70	0.074
10	QPSK	25	25	18.62	0.073	18.76	0.075	18.68	0.074
10	QPSK	50	0	18.74	0.075	18.80	0.076	18.68	0.074
10	16QAM	1	0	19.42	0.087	19.47	0.089	19.43	0.088
10	16QAM	1	25	19.46	0.088	19.47	0.089	19.39	0.087
10	16QAM	1	49	19.35	0.086	19.40	0.087	19.35	0.086
10	16QAM	25	0	17.28	0.053	17.34	0.054	17.35	0.054
10	16QAM	25	12	17.22	0.053	17.33	0.054	17.24	0.053
10	16QAM	25	25	17.28	0.053	17.33	0.054	17.29	0.054
10	16QAM	50	0	17.69	0.059	17.76	0.060	17.76	0.060
10	64QAM	1	0	17.33	0.054	17.38	0.055	17.26	0.053
10	64QAM	1	25	17.31	0.054	17.41	0.055	17.38	0.055
10	64QAM	1	49	17.31	0.054	17.39	0.055	17.31	0.054
10	64QAM	25	0	16.22	0.042	16.30	0.043	16.26	0.042
10	64QAM	25	12	16.23	0.042	16.25	0.042	16.22	0.042
10	64QAM	25	25	16.26	0.042	16.22	0.042	16.18	0.041
10	64QAM	50	0	16.20	0.042	16.28	0.042	16.24	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	19.79	0.095	19.87	0.097	19.71	0.094
5	QPSK	1	12	19.72	0.094	19.79	0.095	19.73	0.094
5	QPSK	1	24	19.65	0.092	19.75	0.094	19.73	0.094
5	QPSK	12	0	18.82	0.076	18.85	0.077	18.82	0.076
5	QPSK	12	7	18.70	0.074	18.78	0.076	18.70	0.074
5	QPSK	12	13	18.64	0.073	18.71	0.074	18.74	0.075
5	QPSK	25	0	18.70	0.074	18.77	0.075	18.64	0.073
5	16QAM	1	0	19.36	0.086	19.43	0.088	19.47	0.089
5	16QAM	1	12	19.42	0.087	19.50	0.089	19.42	0.087
5	16QAM	1	24	19.41	0.087	19.40	0.087	19.36	0.086
5	16QAM	12	0	17.28	0.053	17.30	0.054	17.35	0.054
5	16QAM	12	7	17.23	0.053	17.30	0.054	17.23	0.053
5	16QAM	12	13	17.28	0.053	17.25	0.053	17.25	0.053
5	16QAM	25	0	17.61	0.058	17.73	0.059	17.73	0.059
5	64QAM	1	0	17.32	0.054	17.42	0.055	17.29	0.054
5	64QAM	1	12	17.34	0.054	17.34	0.054	17.37	0.055
5	64QAM	1	24	17.25	0.053	17.33	0.054	17.36	0.054
5	64QAM	12	0	16.30	0.043	16.25	0.042	16.26	0.042
5	64QAM	12	7	16.26	0.042	16.30	0.043	16.18	0.041
5	64QAM	12	13	16.19	0.042	16.28	0.042	16.16	0.041
5	64QAM	25	0	16.23	0.042	16.30	0.043	16.19	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				19965		20175		20385	
Frequency (MHz)				1711.5		1732.5		1753.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	19.81	0.096	19.91	0.098	19.80	0.095
3	QPSK	1	8	19.72	0.094	19.75	0.094	19.79	0.095
3	QPSK	1	14	19.71	0.094	19.81	0.096	19.71	0.094
3	QPSK	8	0	18.78	0.076	18.84	0.077	18.81	0.076
3	QPSK	8	4	18.65	0.073	18.79	0.076	18.65	0.073
3	QPSK	8	7	18.60	0.072	18.72	0.074	18.70	0.074
3	QPSK	15	0	18.74	0.075	18.75	0.075	18.71	0.074
3	16QAM	1	0	19.42	0.087	19.48	0.089	19.47	0.089
3	16QAM	1	8	19.50	0.089	19.48	0.089	19.38	0.087
3	16QAM	1	14	19.36	0.086	19.49	0.089	19.41	0.087
3	16QAM	8	0	17.29	0.054	17.36	0.054	17.35	0.054
3	16QAM	8	4	17.22	0.053	17.31	0.054	17.25	0.053
3	16QAM	8	7	17.27	0.053	17.33	0.054	17.25	0.053
3	16QAM	15	0	17.65	0.058	17.72	0.059	17.75	0.060
3	64QAM	1	0	17.33	0.054	17.44	0.055	17.27	0.053
3	64QAM	1	8	17.36	0.054	17.40	0.055	17.35	0.054
3	64QAM	1	14	17.24	0.053	17.32	0.054	17.30	0.054
3	64QAM	8	0	16.31	0.043	16.24	0.042	16.25	0.042
3	64QAM	8	4	16.24	0.042	16.27	0.042	16.15	0.041
3	64QAM	8	7	16.17	0.041	16.26	0.042	16.16	0.041
3	64QAM	15	0	16.25	0.042	16.24	0.042	16.24	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	19.79	0.095	19.89	0.097	19.77	0.095
1.4	QPSK	1	3	19.73	0.094	19.76	0.095	19.73	0.094
1.4	QPSK	1	5	19.68	0.093	19.82	0.096	19.72	0.094
1.4	QPSK	3	0	19.79	0.095	19.87	0.097	19.81	0.096
1.4	QPSK	3	1	19.67	0.093	19.78	0.095	19.72	0.094
1.4	QPSK	3	3	19.65	0.092	19.72	0.094	19.75	0.094
1.4	QPSK	6	0	18.72	0.074	18.80	0.076	18.66	0.073
1.4	16QAM	1	0	19.36	0.086	19.44	0.088	19.42	0.087
1.4	16QAM	1	3	19.43	0.088	19.44	0.088	19.38	0.087
1.4	16QAM	1	5	19.35	0.086	19.41	0.087	19.40	0.087
1.4	16QAM	3	0	18.28	0.067	18.31	0.068	18.33	0.068
1.4	16QAM	3	1	18.28	0.067	18.33	0.068	18.26	0.067
1.4	16QAM	3	3	18.27	0.067	18.25	0.067	18.22	0.066
1.4	16QAM	6	0	17.61	0.058	17.80	0.060	17.73	0.059
1.4	64QAM	1	0	17.39	0.055	17.41	0.055	17.31	0.054
1.4	64QAM	1	3	17.31	0.054	17.39	0.055	17.37	0.055
1.4	64QAM	1	5	17.25	0.053	17.31	0.054	17.30	0.054
1.4	64QAM	3	0	17.24	0.053	17.30	0.054	17.24	0.053
1.4	64QAM	3	1	17.26	0.053	17.22	0.053	17.17	0.052
1.4	64QAM	3	3	17.25	0.053	17.27	0.053	17.14	0.052
1.4	64QAM	6	0	16.26	0.042	16.24	0.042	16.22	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				20450		20525		20600	
Frequency (MHz)				829		836.5		844	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	16.05	0.040	16.15	0.041	16.08	0.041
10	QPSK	1	25	16.00	0.040	16.10	0.041	16.03	0.040
10	QPSK	1	49	16.03	0.040	16.06	0.040	16.01	0.040
10	QPSK	25	0	14.98	0.031	15.07	0.032	14.96	0.031
10	QPSK	25	12	14.97	0.031	15.05	0.032	14.95	0.031
10	QPSK	25	25	14.98	0.031	15.01	0.032	14.97	0.031
10	QPSK	50	0	14.97	0.031	14.98	0.031	14.92	0.031
10	16QAM	1	0	15.10	0.032	15.13	0.033	15.07	0.032
10	16QAM	1	25	15.07	0.032	15.10	0.032	15.09	0.032
10	16QAM	1	49	15.01	0.032	15.09	0.032	15.02	0.032
10	16QAM	25	0	14.11	0.026	14.17	0.026	14.07	0.026
10	16QAM	25	12	14.08	0.026	14.16	0.026	14.10	0.026
10	16QAM	25	25	14.10	0.026	14.14	0.026	14.08	0.026
10	16QAM	50	0	13.88	0.024	13.94	0.025	13.86	0.024
10	64QAM	1	0	14.19	0.026	14.24	0.027	14.14	0.026
10	64QAM	1	25	14.18	0.026	14.23	0.026	14.13	0.026
10	64QAM	1	49	14.17	0.026	14.21	0.026	14.18	0.026
10	64QAM	25	0	12.49	0.018	12.52	0.018	12.43	0.017
10	64QAM	25	12	12.48	0.018	12.49	0.018	12.48	0.018
10	64QAM	25	25	12.49	0.018	12.51	0.018	12.45	0.018
10	64QAM	50	0	12.82	0.019	12.90	0.019	12.89	0.019



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	16.01	0.040	16.14	0.041	16.04	0.040
5	QPSK	1	12	15.97	0.040	16.04	0.040	15.97	0.040
5	QPSK	1	24	15.95	0.039	16.00	0.040	15.98	0.040
5	QPSK	12	0	14.95	0.031	15.03	0.032	14.88	0.031
5	QPSK	12	7	14.92	0.031	15.01	0.032	14.90	0.031
5	QPSK	12	13	14.95	0.031	14.99	0.032	14.93	0.031
5	QPSK	25	0	14.87	0.031	14.90	0.031	14.87	0.031
5	16QAM	1	0	15.09	0.032	15.05	0.032	14.98	0.031
5	16QAM	1	12	15.03	0.032	15.09	0.032	15.08	0.032
5	16QAM	1	24	14.93	0.031	15.04	0.032	15.00	0.032
5	16QAM	12	0	14.07	0.026	14.12	0.026	13.99	0.025
5	16QAM	12	7	13.98	0.025	14.07	0.026	14.05	0.025
5	16QAM	12	13	14.04	0.025	14.10	0.026	14.05	0.025
5	16QAM	25	0	13.81	0.024	13.84	0.024	13.79	0.024
5	64QAM	1	0	14.13	0.026	14.14	0.026	14.09	0.026
5	64QAM	1	12	14.09	0.026	14.19	0.026	14.08	0.026
5	64QAM	1	24	14.13	0.026	14.15	0.026	14.10	0.026
5	64QAM	12	0	12.47	0.018	12.44	0.018	12.35	0.017
5	64QAM	12	7	12.42	0.017	12.47	0.018	12.46	0.018
5	64QAM	12	13	12.46	0.018	12.50	0.018	12.43	0.017
5	64QAM	25	0	12.73	0.019	12.85	0.019	12.87	0.019



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	16.00	0.040	16.07	0.040	16.07	0.040
3	QPSK	1	8	15.97	0.040	16.05	0.040	15.95	0.039
3	QPSK	1	14	16.01	0.040	15.98	0.040	15.93	0.039
3	QPSK	8	0	14.91	0.031	15.03	0.032	14.91	0.031
3	QPSK	8	4	14.88	0.031	15.03	0.032	14.93	0.031
3	QPSK	8	7	14.93	0.031	14.99	0.032	14.91	0.031
3	QPSK	15	0	14.88	0.031	14.92	0.031	14.91	0.031
3	16QAM	1	0	15.09	0.032	15.08	0.032	15.00	0.032
3	16QAM	1	8	14.98	0.031	15.06	0.032	15.01	0.032
3	16QAM	1	14	14.97	0.031	15.04	0.032	15.00	0.032
3	16QAM	8	0	14.09	0.026	14.11	0.026	14.03	0.025
3	16QAM	8	4	13.98	0.025	14.08	0.026	14.07	0.026
3	16QAM	8	7	14.09	0.026	14.13	0.026	14.06	0.025
3	16QAM	15	0	13.81	0.024	13.90	0.025	13.84	0.024
3	64QAM	1	0	14.10	0.026	14.19	0.026	14.08	0.026
3	64QAM	1	8	14.08	0.026	14.18	0.026	14.09	0.026
3	64QAM	1	14	14.11	0.026	14.18	0.026	14.16	0.026
3	64QAM	8	0	12.44	0.018	12.48	0.018	12.41	0.017
3	64QAM	8	4	12.47	0.018	12.41	0.017	12.42	0.017
3	64QAM	8	7	12.46	0.018	12.50	0.018	12.36	0.017
3	64QAM	15	0	12.79	0.019	12.84	0.019	12.80	0.019



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	16.04	0.040	16.11	0.041	16.04	0.040
1.4	QPSK	1	3	15.95	0.039	16.09	0.041	15.94	0.039
1.4	QPSK	1	5	15.94	0.039	15.98	0.040	15.94	0.039
1.4	QPSK	3	0	15.84	0.038	15.93	0.039	15.84	0.038
1.4	QPSK	3	1	15.82	0.038	15.84	0.038	15.82	0.038
1.4	QPSK	3	3	15.82	0.038	15.84	0.038	15.84	0.038
1.4	QPSK	6	0	14.91	0.031	14.95	0.031	14.83	0.030
1.4	16QAM	1	0	15.04	0.032	15.09	0.032	15.04	0.032
1.4	16QAM	1	3	15.03	0.032	15.02	0.032	15.03	0.032
1.4	16QAM	1	5	14.96	0.031	15.00	0.032	14.97	0.031
1.4	16QAM	3	0	14.91	0.031	14.99	0.032	14.91	0.031
1.4	16QAM	3	1	14.88	0.031	15.02	0.032	14.92	0.031
1.4	16QAM	3	3	14.94	0.031	14.99	0.032	14.86	0.031
1.4	16QAM	6	0	13.79	0.024	13.87	0.024	13.81	0.024
1.4	64QAM	1	0	14.15	0.026	14.16	0.026	14.09	0.026
1.4	64QAM	1	3	14.15	0.026	14.17	0.026	14.04	0.025
1.4	64QAM	1	5	14.09	0.026	14.17	0.026	14.08	0.026
1.4	64QAM	3	0	13.30	0.021	13.38	0.022	13.27	0.021
1.4	64QAM	3	1	13.35	0.022	13.33	0.022	13.33	0.022
1.4	64QAM	3	3	13.34	0.022	13.35	0.022	13.27	0.021
1.4	64QAM	6	0	12.79	0.019	12.89	0.019	12.81	0.019



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20850		21100		21350	
Frequency (MHz)				2510		2535		2560	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	20.65	0.116	20.71	0.118	20.69	0.117
20	QPSK	1	49	20.58	0.114	20.68	0.117	20.62	0.115
20	QPSK	1	99	20.56	0.114	20.64	0.116	20.55	0.114
20	QPSK	50	0	19.60	0.091	19.61	0.091	19.58	0.091
20	QPSK	50	24	19.57	0.091	19.59	0.091	19.53	0.090
20	QPSK	50	50	19.51	0.089	19.57	0.091	19.54	0.090
20	QPSK	100	0	19.49	0.089	19.58	0.091	19.56	0.090
20	16QAM	1	0	19.55	0.090	19.58	0.091	19.54	0.090
20	16QAM	1	49	19.49	0.089	19.57	0.091	19.54	0.090
20	16QAM	1	99	19.49	0.089	19.55	0.090	19.50	0.089
20	16QAM	50	0	18.55	0.072	18.59	0.072	18.54	0.071
20	16QAM	50	24	18.55	0.072	18.56	0.072	18.50	0.071
20	16QAM	50	50	18.51	0.071	18.53	0.071	18.46	0.070
20	16QAM	100	0	18.43	0.070	18.51	0.071	18.44	0.070
20	64QAM	1	0	18.50	0.071	18.58	0.072	18.56	0.072
20	64QAM	1	49	18.47	0.070	18.55	0.072	18.54	0.071
20	64QAM	1	99	18.47	0.070	18.54	0.071	18.51	0.071
20	64QAM	50	0	16.75	0.047	16.78	0.048	16.74	0.047
20	64QAM	50	24	16.66	0.046	16.75	0.047	16.70	0.047
20	64QAM	50	50	16.68	0.047	16.74	0.047	16.64	0.046
20	64QAM	100	0	16.77	0.048	16.79	0.048	16.69	0.047



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20825		21100		21375	
Frequency (MHz)				2507.5		2535		2562.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	20.55	0.114	20.67	0.117	20.68	0.117
15	QPSK	1	37	20.48	0.112	20.67	0.117	20.59	0.115
15	QPSK	1	74	20.51	0.112	20.62	0.115	20.54	0.113
15	QPSK	36	0	19.56	0.090	19.51	0.089	19.54	0.090
15	QPSK	36	20	19.52	0.090	19.53	0.090	19.47	0.089
15	QPSK	36	39	19.48	0.089	19.51	0.089	19.46	0.088
15	QPSK	75	0	19.43	0.088	19.54	0.090	19.50	0.089
15	16QAM	1	0	19.46	0.088	19.50	0.089	19.53	0.090
15	16QAM	1	37	19.46	0.088	19.50	0.089	19.46	0.088
15	16QAM	1	74	19.47	0.089	19.45	0.088	19.47	0.089
15	16QAM	36	0	18.53	0.071	18.54	0.071	18.50	0.071
15	16QAM	36	20	18.51	0.071	18.52	0.071	18.41	0.069
15	16QAM	36	39	18.48	0.070	18.51	0.071	18.41	0.069
15	16QAM	75	0	18.34	0.068	18.42	0.070	18.37	0.069
15	64QAM	1	0	18.47	0.070	18.54	0.071	18.55	0.072
15	64QAM	1	37	18.41	0.069	18.45	0.070	18.44	0.070
15	64QAM	1	74	18.42	0.070	18.49	0.071	18.46	0.070
15	64QAM	36	0	16.73	0.047	16.71	0.047	16.73	0.047
15	64QAM	36	20	16.58	0.045	16.72	0.047	16.66	0.046
15	64QAM	36	39	16.61	0.046	16.66	0.046	16.57	0.045
15	64QAM	75	0	16.75	0.047	16.69	0.047	16.60	0.046



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20800		21100		21400	
Frequency (MHz)				2505		2535		2565	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	20.62	0.115	20.62	0.115	20.67	0.117
10	QPSK	1	25	20.57	0.114	20.59	0.115	20.60	0.115
10	QPSK	1	49	20.54	0.113	20.56	0.114	20.45	0.111
10	QPSK	25	0	19.54	0.090	19.56	0.090	19.58	0.091
10	QPSK	25	12	19.52	0.090	19.53	0.090	19.43	0.088
10	QPSK	25	25	19.43	0.088	19.53	0.090	19.45	0.088
10	QPSK	50	0	19.43	0.088	19.57	0.091	19.49	0.089
10	16QAM	1	0	19.54	0.090	19.49	0.089	19.53	0.090
10	16QAM	1	25	19.41	0.087	19.49	0.089	19.51	0.089
10	16QAM	1	49	19.46	0.088	19.48	0.089	19.45	0.088
10	16QAM	25	0	18.48	0.070	18.52	0.071	18.44	0.070
10	16QAM	25	12	18.53	0.071	18.50	0.071	18.49	0.071
10	16QAM	25	25	18.43	0.070	18.44	0.070	18.38	0.069
10	16QAM	50	0	18.42	0.070	18.48	0.070	18.34	0.068
10	64QAM	1	0	18.42	0.070	18.56	0.072	18.54	0.071
10	64QAM	1	25	18.43	0.070	18.45	0.070	18.47	0.070
10	64QAM	1	49	18.45	0.070	18.50	0.071	18.45	0.070
10	64QAM	25	0	16.65	0.046	16.69	0.047	16.67	0.046
10	64QAM	25	12	16.59	0.046	16.71	0.047	16.61	0.046
10	64QAM	25	25	16.65	0.046	16.68	0.047	16.55	0.045
10	64QAM	50	0	16.69	0.047	16.72	0.047	16.61	0.046



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20775		21100		21425	
Frequency (MHz)				2502.5		2535		2567.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	20.63	0.116	20.63	0.116	20.62	0.115
5	QPSK	1	12	20.54	0.113	20.63	0.116	20.57	0.114
5	QPSK	1	24	20.52	0.113	20.54	0.113	20.54	0.113
5	QPSK	12	0	19.53	0.090	19.57	0.091	19.52	0.090
5	QPSK	12	7	19.55	0.090	19.51	0.089	19.43	0.088
5	QPSK	12	13	19.49	0.089	19.53	0.090	19.46	0.088
5	QPSK	25	0	19.40	0.087	19.52	0.090	19.48	0.089
5	16QAM	1	0	19.47	0.089	19.52	0.090	19.51	0.089
5	16QAM	1	12	19.43	0.088	19.47	0.089	19.47	0.089
5	16QAM	1	24	19.39	0.087	19.53	0.090	19.48	0.089
5	16QAM	12	0	18.46	0.070	18.54	0.071	18.48	0.070
5	16QAM	12	7	18.47	0.070	18.48	0.070	18.45	0.070
5	16QAM	12	13	18.45	0.070	18.47	0.070	18.40	0.069
5	16QAM	25	0	18.34	0.068	18.44	0.070	18.40	0.069
5	64QAM	1	0	18.48	0.070	18.48	0.070	18.46	0.070
5	64QAM	1	12	18.43	0.070	18.50	0.071	18.49	0.071
5	64QAM	1	24	18.45	0.070	18.44	0.070	18.43	0.070
5	64QAM	12	0	16.74	0.047	16.69	0.047	16.64	0.046
5	64QAM	12	7	16.56	0.045	16.71	0.047	16.64	0.046
5	64QAM	12	13	16.60	0.046	16.71	0.047	16.56	0.045
5	64QAM	25	0	16.73	0.047	16.75	0.047	16.59	0.046



LTE Band 13				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				/		23230		/	
Frequency (MHz)				/		782		/	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	/	/	15.89	0.039	/	/
10	QPSK	1	25	/	/	15.86	0.039	/	/
10	QPSK	1	49	/	/	15.84	0.038	/	/
10	QPSK	25	0	/	/	14.70	0.030	/	/
10	QPSK	25	12	/	/	14.65	0.029	/	/
10	QPSK	25	25	/	/	14.64	0.029	/	/
10	QPSK	50	0	/	/	14.59	0.029	/	/
10	16QAM	1	0	/	/	15.02	0.032	/	/
10	16QAM	1	25	/	/	15.00	0.032	/	/
10	16QAM	1	49	/	/	14.99	0.032	/	/
10	16QAM	25	0	/	/	13.60	0.023	/	/
10	16QAM	25	12	/	/	13.58	0.023	/	/
10	16QAM	25	25	/	/	13.59	0.023	/	/
10	16QAM	50	0	/	/	13.81	0.024	/	/
10	64QAM	1	0	/	/	13.73	0.024	/	/
10	64QAM	1	25	/	/	13.72	0.024	/	/
10	64QAM	1	49	/	/	13.70	0.023	/	/
10	64QAM	25	0	/	/	12.05	0.016	/	/
10	64QAM	25	12	/	/	12.02	0.016	/	/
10	64QAM	25	25	/	/	12.14	0.016	/	/
10	64QAM	50	0	/	/	12.36	0.017	/	/



LTE Band 13				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23205		23230		23255	
Frequency (MHz)				779.5		782		784.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	15.83	0.038	15.84	0.038	15.77	0.038
5	QPSK	1	12	15.77	0.038	15.81	0.038	15.80	0.038
5	QPSK	1	24	15.81	0.038	15.81	0.038	15.75	0.038
5	QPSK	12	0	14.68	0.029	14.67	0.029	14.65	0.029
5	QPSK	12	7	14.55	0.029	14.58	0.029	14.63	0.029
5	QPSK	12	13	14.62	0.029	14.55	0.029	14.59	0.029
5	QPSK	25	0	14.53	0.028	14.53	0.028	14.53	0.028
5	16QAM	1	0	14.98	0.031	14.92	0.031	14.98	0.031
5	16QAM	1	12	14.97	0.031	14.98	0.031	14.92	0.031
5	16QAM	1	24	14.94	0.031	14.90	0.031	14.93	0.031
5	16QAM	12	0	13.59	0.023	13.57	0.023	13.52	0.022
5	16QAM	12	7	13.55	0.023	13.56	0.023	13.48	0.022
5	16QAM	12	13	13.55	0.023	13.56	0.023	13.49	0.022
5	16QAM	25	0	13.75	0.024	13.71	0.023	13.74	0.024
5	64QAM	1	0	13.71	0.023	13.67	0.023	13.65	0.023
5	64QAM	1	12	13.66	0.023	13.63	0.023	13.62	0.023
5	64QAM	1	24	13.69	0.023	13.61	0.023	13.62	0.023
5	64QAM	12	0	11.95	0.016	11.98	0.016	12.03	0.016
5	64QAM	12	7	11.97	0.016	12.01	0.016	11.97	0.016
5	64QAM	12	13	12.04	0.016	12.06	0.016	12.11	0.016
5	64QAM	25	0	12.29	0.017	12.27	0.017	12.35	0.017



LTE Band 38				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				37850		38000		38150	
Frequency (MHz)				2580		2595		2610	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	21.20	0.132	21.24	0.133	21.15	0.130
20	QPSK	1	49	21.19	0.132	21.20	0.132	21.17	0.131
20	QPSK	1	99	21.11	0.129	21.19	0.132	21.11	0.129
20	QPSK	50	0	19.80	0.095	19.98	0.100	19.85	0.097
20	QPSK	50	24	19.74	0.094	19.76	0.095	19.74	0.094
20	QPSK	50	50	19.71	0.094	19.73	0.094	19.70	0.093
20	QPSK	100	0	19.52	0.090	19.56	0.090	19.55	0.090
20	16QAM	1	0	19.33	0.086	19.42	0.087	19.33	0.086
20	16QAM	1	49	19.30	0.085	19.40	0.087	19.35	0.086
20	16QAM	1	99	19.35	0.086	19.38	0.087	19.31	0.085
20	16QAM	50	0	18.74	0.075	18.84	0.077	18.75	0.075
20	16QAM	50	24	18.71	0.074	18.81	0.076	18.72	0.074
20	16QAM	50	50	18.74	0.075	18.80	0.076	18.79	0.076
20	16QAM	100	0	18.44	0.070	18.52	0.071	18.46	0.070
20	64QAM	1	0	18.13	0.065	18.23	0.067	18.13	0.065
20	64QAM	1	49	18.14	0.065	18.20	0.066	18.14	0.065
20	64QAM	1	99	18.15	0.065	18.19	0.066	18.13	0.065
20	64QAM	50	0	17.40	0.055	17.47	0.056	17.45	0.056
20	64QAM	50	24	17.39	0.055	17.46	0.056	17.44	0.055
20	64QAM	50	50	17.38	0.055	17.44	0.055	17.36	0.054
20	64QAM	100	0	17.34	0.054	17.35	0.054	17.25	0.053



LTE Band 38				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				37825		38000		38175	
Frequency (MHz)				2577.5		2595		2612.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	21.18	0.131	21.21	0.132	21.10	0.129
15	QPSK	1	37	21.10	0.129	21.19	0.132	21.16	0.131
15	QPSK	1	74	21.08	0.128	21.11	0.129	21.03	0.127
15	QPSK	36	0	19.78	0.095	19.82	0.096	19.81	0.096
15	QPSK	36	20	19.69	0.093	19.72	0.094	19.66	0.092
15	QPSK	36	39	19.67	0.093	19.69	0.093	19.64	0.092
15	QPSK	75	0	19.44	0.088	19.51	0.089	19.52	0.090
15	16QAM	1	0	19.25	0.084	19.39	0.087	19.29	0.085
15	16QAM	1	37	19.21	0.083	19.35	0.086	19.33	0.086
15	16QAM	1	74	19.32	0.086	19.32	0.086	19.29	0.085
15	16QAM	36	0	18.69	0.074	18.76	0.075	18.68	0.074
15	16QAM	36	20	18.61	0.073	18.73	0.075	18.62	0.073
15	16QAM	36	39	18.65	0.073	18.72	0.074	18.72	0.074
15	16QAM	75	0	18.42	0.070	18.49	0.071	18.40	0.069
15	64QAM	1	0	18.11	0.065	18.21	0.066	18.18	0.066
15	64QAM	1	37	18.10	0.065	18.17	0.066	18.15	0.065
15	64QAM	1	74	18.11	0.065	18.10	0.065	18.12	0.065
15	64QAM	36	0	17.38	0.055	17.42	0.055	17.36	0.054
15	64QAM	36	20	17.36	0.054	17.42	0.055	17.42	0.055
15	64QAM	36	39	17.36	0.054	17.43	0.055	17.26	0.053
15	64QAM	75	0	17.27	0.053	17.27	0.053	17.15	0.052



LTE Band 38				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				37800		38000		38200	
Frequency (MHz)				2575		2595		2615	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	21.12	0.129	21.23	0.133	21.14	0.130
10	QPSK	1	25	21.17	0.131	21.13	0.130	21.08	0.128
10	QPSK	1	49	21.06	0.128	21.09	0.129	21.05	0.127
10	QPSK	25	0	19.74	0.094	19.82	0.096	19.82	0.096
10	QPSK	25	12	19.70	0.093	19.67	0.093	19.70	0.093
10	QPSK	25	25	19.70	0.093	19.70	0.093	19.60	0.091
10	QPSK	50	0	19.51	0.089	19.50	0.089	19.51	0.089
10	16QAM	1	0	19.25	0.084	19.36	0.086	19.31	0.085
10	16QAM	1	25	19.25	0.084	19.32	0.086	19.28	0.085
10	16QAM	1	49	19.31	0.085	19.36	0.086	19.30	0.085
10	16QAM	25	0	18.73	0.075	18.79	0.076	18.70	0.074
10	16QAM	25	12	18.61	0.073	18.71	0.074	18.71	0.074
10	16QAM	25	25	18.70	0.074	18.75	0.075	18.74	0.075
10	16QAM	50	0	18.43	0.070	18.51	0.071	18.42	0.070
10	64QAM	1	0	18.16	0.065	18.18	0.066	18.15	0.065
10	64QAM	1	25	18.15	0.065	18.14	0.065	18.13	0.065
10	64QAM	1	49	18.13	0.065	18.10	0.065	18.11	0.065
10	64QAM	25	0	17.33	0.054	17.41	0.055	17.42	0.055
10	64QAM	25	12	17.38	0.055	17.40	0.055	17.37	0.055
10	64QAM	25	25	17.35	0.054	17.43	0.055	17.35	0.054
10	64QAM	50	0	17.32	0.054	17.26	0.053	17.15	0.052



LTE Band 38				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				37775		38000		38225	
Frequency (MHz)				2572.5		2595		2617.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	21.12	0.129	21.17	0.131	21.10	0.129
5	QPSK	1	12	21.12	0.129	21.11	0.129	21.15	0.130
5	QPSK	1	24	21.09	0.129	21.18	0.131	21.03	0.127
5	QPSK	12	0	19.70	0.093	19.85	0.097	19.76	0.095
5	QPSK	12	7	19.73	0.094	19.69	0.093	19.71	0.094
5	QPSK	12	13	19.64	0.092	19.66	0.092	19.69	0.093
5	QPSK	25	0	19.48	0.089	19.53	0.090	19.48	0.089
5	16QAM	1	0	19.25	0.084	19.34	0.086	19.32	0.086
5	16QAM	1	12	19.23	0.084	19.31	0.085	19.26	0.084
5	16QAM	1	24	19.30	0.085	19.28	0.085	19.28	0.085
5	16QAM	12	0	18.72	0.074	18.83	0.076	18.72	0.074
5	16QAM	12	7	18.69	0.074	18.79	0.076	18.71	0.074
5	16QAM	12	13	18.66	0.073	18.77	0.075	18.77	0.075
5	16QAM	25	0	18.36	0.069	18.50	0.071	18.37	0.069
5	64QAM	1	0	18.12	0.065	18.14	0.065	18.15	0.065
5	64QAM	1	12	18.10	0.065	18.15	0.065	18.13	0.065
5	64QAM	1	24	18.15	0.065	18.16	0.065	18.10	0.065
5	64QAM	12	0	17.34	0.054	17.46	0.056	17.42	0.055
5	64QAM	12	7	17.31	0.054	17.40	0.055	17.35	0.054
5	64QAM	12	13	17.33	0.054	17.40	0.055	17.35	0.054
5	64QAM	25	0	17.27	0.053	17.32	0.054	17.18	0.052



LTE Band 40, Block A				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				/		38750		/	
Frequency (MHz)				/		2310		/	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	/	/	20.16	0.104	/	/
10	QPSK	1	25	/	/	20.06	0.101	/	/
10	QPSK	1	49	/	/	20.08	0.102	/	/
10	QPSK	25	0	/	/	18.74	0.075	/	/
10	QPSK	25	12	/	/	18.69	0.074	/	/
10	QPSK	25	25	/	/	18.68	0.074	/	/
10	QPSK	50	0	/	/	18.64	0.073	/	/
10	16QAM	1	0	/	/	18.41	0.069	/	/
10	16QAM	1	25	/	/	18.38	0.069	/	/
10	16QAM	1	49	/	/	18.40	0.069	/	/
10	16QAM	25	0	/	/	17.89	0.062	/	/
10	16QAM	25	12	/	/	17.86	0.061	/	/
10	16QAM	25	25	/	/	17.85	0.061	/	/
10	16QAM	50	0	/	/	17.94	0.062	/	/
10	64QAM	1	0	/	/	17.31	0.054	/	/
10	64QAM	1	25	/	/	17.28	0.053	/	/
10	64QAM	1	49	/	/	17.26	0.053	/	/
10	64QAM	25	0	/	/	16.30	0.043	/	/
10	64QAM	25	12	/	/	16.29	0.043	/	/
10	64QAM	25	25	/	/	16.24	0.042	/	/
10	64QAM	50	0	/	/	16.25	0.042	/	/



LTE Band 40, Block A				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				38725		38750		38775	
Frequency (MHz)				2307.5		2310		2312.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	20.07	0.102	20.10	0.102	20.15	0.104
5	QPSK	1	12	19.97	0.099	20.03	0.101	20.02	0.100
5	QPSK	1	24	20.01	0.100	20.01	0.100	19.98	0.100
5	QPSK	12	0	18.71	0.074	18.72	0.074	18.66	0.073
5	QPSK	12	7	18.64	0.073	18.63	0.073	18.63	0.073
5	QPSK	12	13	18.64	0.073	18.58	0.072	18.65	0.073
5	QPSK	25	0	18.55	0.072	18.63	0.073	18.56	0.072
5	16QAM	1	0	18.31	0.068	18.32	0.068	18.33	0.068
5	16QAM	1	12	18.33	0.068	18.33	0.068	18.30	0.068
5	16QAM	1	24	18.38	0.069	18.39	0.069	18.33	0.068
5	16QAM	12	0	17.79	0.060	17.82	0.061	17.87	0.061
5	16QAM	12	7	17.76	0.060	17.85	0.061	17.81	0.060
5	16QAM	12	13	17.76	0.060	17.75	0.060	17.75	0.060
5	16QAM	25	0	17.92	0.062	17.90	0.062	17.88	0.061
5	64QAM	1	0	17.27	0.053	17.28	0.053	17.32	0.054
5	64QAM	1	12	17.27	0.053	17.31	0.054	17.24	0.053
5	64QAM	1	24	17.26	0.053	17.22	0.053	17.21	0.053
5	64QAM	12	0	16.27	0.042	16.33	0.043	16.30	0.043
5	64QAM	12	7	16.24	0.042	16.29	0.043	16.30	0.043
5	64QAM	12	13	16.20	0.042	16.19	0.042	16.20	0.042
5	64QAM	25	0	16.23	0.042	16.26	0.042	16.24	0.042



LTE Band 40, Block B				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				/		39200		/	
Frequency (MHz)				/		2355		/	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	/	/	20.12	0.103	/	/
10	QPSK	1	25	/	/	20.04	0.101	/	/
10	QPSK	1	49	/	/	20.06	0.101	/	/
10	QPSK	25	0	/	/	18.72	0.074	/	/
10	QPSK	25	12	/	/	18.67	0.074	/	/
10	QPSK	25	25	/	/	18.66	0.073	/	/
10	QPSK	50	0	/	/	18.62	0.073	/	/
10	16QAM	1	0	/	/	18.39	0.069	/	/
10	16QAM	1	25	/	/	18.36	0.069	/	/
10	16QAM	1	49	/	/	18.38	0.069	/	/
10	16QAM	25	0	/	/	17.87	0.061	/	/
10	16QAM	25	12	/	/	17.84	0.061	/	/
10	16QAM	25	25	/	/	17.83	0.061	/	/
10	16QAM	50	0	/	/	17.92	0.062	/	/
10	64QAM	1	0	/	/	17.29	0.054	/	/
10	64QAM	1	25	/	/	17.26	0.053	/	/
10	64QAM	1	49	/	/	17.24	0.053	/	/
10	64QAM	25	0	/	/	16.28	0.042	/	/
10	64QAM	25	12	/	/	16.27	0.042	/	/
10	64QAM	25	25	/	/	16.22	0.042	/	/
10	64QAM	50	0	/	/	16.23	0.042	/	/



LTE Band 40, Block B				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39175		39200		39225	
Frequency (MHz)				2352.5		2355		2357.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	20.08	0.102	20.05	0.101	20.02	0.100
5	QPSK	1	12	19.97	0.099	19.94	0.099	19.98	0.100
5	QPSK	1	24	20.01	0.100	20.00	0.100	19.96	0.099
5	QPSK	12	0	18.66	0.073	18.64	0.073	18.62	0.073
5	QPSK	12	7	18.64	0.073	18.62	0.073	18.65	0.073
5	QPSK	12	13	18.56	0.072	18.60	0.072	18.58	0.072
5	QPSK	25	0	18.57	0.072	18.60	0.072	18.60	0.072
5	16QAM	1	0	18.36	0.069	18.36	0.069	18.32	0.068
5	16QAM	1	12	18.30	0.068	18.32	0.068	18.33	0.068
5	16QAM	1	24	18.37	0.069	18.28	0.067	18.31	0.068
5	16QAM	12	0	17.78	0.060	17.78	0.060	17.85	0.061
5	16QAM	12	7	17.81	0.060	17.74	0.059	17.82	0.061
5	16QAM	12	13	17.76	0.060	17.73	0.059	17.74	0.059
5	16QAM	25	0	17.84	0.061	17.85	0.061	17.86	0.061
5	64QAM	1	0	17.28	0.053	17.30	0.054	17.31	0.054
5	64QAM	1	12	17.23	0.053	17.29	0.054	17.22	0.053
5	64QAM	1	24	17.21	0.053	17.23	0.053	17.20	0.052
5	64QAM	12	0	16.27	0.042	16.22	0.042	16.25	0.042
5	64QAM	12	7	16.25	0.042	16.27	0.042	16.24	0.042
5	64QAM	12	13	16.25	0.042	16.18	0.041	16.22	0.042
5	64QAM	25	0	16.17	0.041	16.23	0.042	16.25	0.042



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				40140		40640		41140	
Frequency (MHz)				2545		2595		2645	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	21.23	0.133	21.28	0.134	21.22	0.132
20	QPSK	1	49	21.15	0.130	21.24	0.133	21.16	0.131
20	QPSK	1	99	21.20	0.132	21.21	0.132	21.12	0.129
20	QPSK	50	0	20.23	0.105	20.26	0.106	20.22	0.105
20	QPSK	50	24	20.13	0.103	20.19	0.104	20.13	0.103
20	QPSK	50	50	20.24	0.106	20.28	0.107	20.21	0.105
20	QPSK	100	0	19.91	0.098	19.92	0.098	19.87	0.097
20	16QAM	1	0	19.75	0.094	19.84	0.096	19.75	0.094
20	16QAM	1	49	19.82	0.096	19.83	0.096	19.73	0.094
20	16QAM	1	99	19.78	0.095	19.81	0.096	19.78	0.095
20	16QAM	50	0	18.99	0.079	19.02	0.080	18.94	0.078
20	16QAM	50	24	19.13	0.082	19.20	0.083	19.19	0.083
20	16QAM	50	50	19.14	0.082	19.21	0.083	19.15	0.082
20	16QAM	100	0	18.86	0.077	18.94	0.078	18.90	0.078
20	64QAM	1	0	19.13	0.082	19.19	0.083	19.18	0.083
20	64QAM	1	49	19.08	0.081	19.17	0.083	19.15	0.082
20	64QAM	1	99	19.09	0.081	19.16	0.082	19.10	0.081
20	64QAM	50	0	18.05	0.064	18.12	0.065	18.10	0.065
20	64QAM	50	24	18.02	0.063	18.10	0.065	18.02	0.063
20	64QAM	50	50	18.01	0.063	18.08	0.064	17.99	0.063
20	64QAM	100	0	17.98	0.063	18.00	0.063	17.96	0.063



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				40115		40640		41165	
Frequency (MHz)				2542.5		2595		2647.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	21.22	0.132	21.23	0.133	21.17	0.131
15	QPSK	1	37	21.11	0.129	21.17	0.131	21.09	0.129
15	QPSK	1	74	21.13	0.130	21.19	0.132	21.06	0.128
15	QPSK	36	0	20.17	0.104	20.17	0.104	20.15	0.104
15	QPSK	36	20	20.12	0.103	20.17	0.104	20.12	0.103
15	QPSK	36	39	20.23	0.105	20.27	0.106	20.15	0.104
15	QPSK	75	0	19.85	0.097	19.84	0.096	19.84	0.096
15	16QAM	1	0	19.74	0.094	19.83	0.096	19.70	0.093
15	16QAM	1	37	19.74	0.094	19.79	0.095	19.68	0.093
15	16QAM	1	74	19.71	0.094	19.73	0.094	19.69	0.093
15	16QAM	36	0	18.98	0.079	19.00	0.079	18.88	0.077
15	16QAM	36	20	19.07	0.081	19.11	0.081	19.16	0.082
15	16QAM	36	39	19.10	0.081	19.16	0.082	19.09	0.081
15	16QAM	75	0	18.85	0.077	18.86	0.077	18.88	0.077
15	64QAM	1	0	19.09	0.081	19.11	0.081	19.16	0.082
15	64QAM	1	37	19.03	0.080	19.09	0.081	19.13	0.082
15	64QAM	1	74	19.06	0.081	19.11	0.081	19.01	0.080
15	64QAM	36	0	17.95	0.062	18.04	0.064	18.02	0.063
15	64QAM	36	20	17.92	0.062	18.04	0.064	17.95	0.062
15	64QAM	36	39	17.91	0.062	17.99	0.063	17.91	0.062
15	64QAM	75	0	17.93	0.062	17.96	0.063	17.87	0.061



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				40090		40640		41190	
Frequency (MHz)				2540		2595		2650	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	21.19	0.132	21.27	0.134	21.20	0.132
10	QPSK	1	25	21.09	0.129	21.22	0.132	21.14	0.130
10	QPSK	1	49	21.10	0.129	21.14	0.130	21.06	0.128
10	QPSK	25	0	20.15	0.104	20.24	0.106	20.21	0.105
10	QPSK	25	12	20.06	0.101	20.13	0.103	20.09	0.102
10	QPSK	25	25	20.21	0.105	20.20	0.105	20.12	0.103
10	QPSK	50	0	19.86	0.097	19.82	0.096	19.86	0.097
10	16QAM	1	0	19.68	0.093	19.79	0.095	19.74	0.094
10	16QAM	1	25	19.72	0.094	19.80	0.095	19.63	0.092
10	16QAM	1	49	19.68	0.093	19.80	0.095	19.68	0.093
10	16QAM	25	0	18.90	0.078	18.92	0.078	18.85	0.077
10	16QAM	25	12	19.08	0.081	19.18	0.083	19.09	0.081
10	16QAM	25	25	19.05	0.080	19.19	0.083	19.13	0.082
10	16QAM	50	0	18.81	0.076	18.87	0.077	18.82	0.076
10	64QAM	1	0	19.08	0.081	19.18	0.083	19.16	0.082
10	64QAM	1	25	19.03	0.080	19.09	0.081	19.10	0.081
10	64QAM	1	49	18.99	0.079	19.15	0.082	19.05	0.080
10	64QAM	25	0	17.98	0.063	18.07	0.064	18.03	0.064
10	64QAM	25	12	17.98	0.063	18.06	0.064	17.92	0.062
10	64QAM	25	25	17.96	0.063	18.01	0.063	17.98	0.063
10	64QAM	50	0	17.94	0.062	17.96	0.063	17.89	0.062



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				40065		40640		41215	
Frequency (MHz)				2537.5		2595		2652.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	21.22	0.132	21.21	0.132	21.18	0.131
5	QPSK	1	12	21.05	0.127	21.15	0.130	21.11	0.129
5	QPSK	1	24	21.10	0.129	21.13	0.130	21.11	0.129
5	QPSK	12	0	20.13	0.103	20.17	0.104	20.19	0.104
5	QPSK	12	7	20.05	0.101	20.16	0.104	20.09	0.102
5	QPSK	12	13	20.16	0.104	20.26	0.106	20.14	0.103
5	QPSK	25	0	19.88	0.097	19.85	0.097	19.82	0.096
5	16QAM	1	0	19.71	0.094	19.75	0.094	19.66	0.092
5	16QAM	1	12	19.74	0.094	19.80	0.095	19.72	0.094
5	16QAM	1	24	19.76	0.095	19.74	0.094	19.70	0.093
5	16QAM	12	0	18.91	0.078	19.00	0.079	18.85	0.077
5	16QAM	12	7	19.08	0.081	19.18	0.083	19.16	0.082
5	16QAM	12	13	19.10	0.081	19.14	0.082	19.13	0.082
5	16QAM	25	0	18.76	0.075	18.85	0.077	18.83	0.076
5	64QAM	1	0	19.08	0.081	19.09	0.081	19.14	0.082
5	64QAM	1	12	18.98	0.079	19.12	0.082	19.09	0.081
5	64QAM	1	24	19.01	0.080	19.09	0.081	19.03	0.080
5	64QAM	12	0	18.03	0.064	18.02	0.063	18.05	0.064
5	64QAM	12	7	18.01	0.063	18.03	0.064	17.96	0.063
5	64QAM	12	13	17.92	0.062	17.98	0.063	17.98	0.063
5	64QAM	25	0	17.90	0.062	17.91	0.062	17.88	0.061



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	20.28	0.107	20.32	0.108	20.29	0.107
20	QPSK	1	49	20.20	0.105	20.28	0.107	20.26	0.106
20	QPSK	1	99	20.16	0.104	20.25	0.106	20.17	0.104
20	QPSK	50	0	18.96	0.079	19.05	0.080	19.00	0.079
20	QPSK	50	24	19.05	0.080	19.06	0.081	18.97	0.079
20	QPSK	50	50	19.00	0.079	19.07	0.081	19.04	0.080
20	QPSK	100	0	18.92	0.078	18.96	0.079	18.91	0.078
20	16QAM	1	0	19.56	0.090	19.64	0.092	19.56	0.090
20	16QAM	1	49	19.57	0.091	19.62	0.092	19.53	0.090
20	16QAM	1	99	19.52	0.090	19.60	0.091	19.52	0.090
20	16QAM	50	0	17.50	0.056	17.58	0.057	17.49	0.056
20	16QAM	50	24	17.56	0.057	17.57	0.057	17.51	0.056
20	16QAM	50	50	17.53	0.057	17.55	0.057	17.45	0.056
20	16QAM	100	0	17.57	0.057	17.64	0.058	17.56	0.057
20	64QAM	1	0	17.78	0.060	17.85	0.061	17.77	0.060
20	64QAM	1	49	17.75	0.060	17.83	0.061	17.78	0.060
20	64QAM	1	99	17.80	0.060	17.84	0.061	17.78	0.060
20	64QAM	50	0	16.21	0.042	16.27	0.042	16.26	0.042
20	64QAM	50	24	16.22	0.042	16.20	0.042	16.21	0.042
20	64QAM	50	50	16.17	0.041	16.22	0.042	16.21	0.042
20	64QAM	100	0	16.22	0.042	16.31	0.043	16.28	0.042



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	20.23	0.105	20.23	0.105	20.21	0.105
15	QPSK	1	37	20.13	0.103	20.18	0.104	20.25	0.106
15	QPSK	1	74	20.10	0.102	20.17	0.104	20.16	0.104
15	QPSK	36	0	18.94	0.078	18.98	0.079	18.90	0.078
15	QPSK	36	20	18.98	0.079	19.04	0.080	18.93	0.078
15	QPSK	36	39	18.90	0.078	19.05	0.080	19.00	0.079
15	QPSK	75	0	18.90	0.078	18.93	0.078	18.86	0.077
15	16QAM	1	0	19.55	0.090	19.62	0.092	19.55	0.090
15	16QAM	1	37	19.55	0.090	19.58	0.091	19.43	0.088
15	16QAM	1	74	19.43	0.088	19.58	0.091	19.49	0.089
15	16QAM	36	0	17.44	0.055	17.56	0.057	17.39	0.055
15	16QAM	36	20	17.51	0.056	17.54	0.057	17.43	0.055
15	16QAM	36	39	17.49	0.056	17.49	0.056	17.40	0.055
15	16QAM	75	0	17.54	0.057	17.59	0.057	17.52	0.056
15	64QAM	1	0	17.76	0.060	17.83	0.061	17.72	0.059
15	64QAM	1	37	17.66	0.058	17.82	0.061	17.76	0.060
15	64QAM	1	74	17.74	0.059	17.76	0.060	17.70	0.059
15	64QAM	36	0	16.11	0.041	16.17	0.041	16.25	0.042
15	64QAM	36	20	16.21	0.042	16.13	0.041	16.18	0.041
15	64QAM	36	39	16.16	0.041	16.15	0.041	16.16	0.041
15	64QAM	75	0	16.19	0.042	16.24	0.042	16.19	0.042



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	20.22	0.105	20.31	0.107	20.24	0.106
10	QPSK	1	25	20.18	0.104	20.24	0.106	20.22	0.105
10	QPSK	1	49	20.15	0.104	20.20	0.105	20.11	0.103
10	QPSK	25	0	18.86	0.077	19.00	0.079	18.92	0.078
10	QPSK	25	12	19.00	0.079	19.04	0.080	18.89	0.077
10	QPSK	25	25	18.94	0.078	19.06	0.081	19.02	0.080
10	QPSK	50	0	18.91	0.078	18.93	0.078	18.85	0.077
10	16QAM	1	0	19.55	0.090	19.55	0.090	19.46	0.088
10	16QAM	1	25	19.53	0.090	19.53	0.090	19.44	0.088
10	16QAM	1	49	19.43	0.088	19.57	0.091	19.42	0.087
10	16QAM	25	0	17.43	0.055	17.57	0.057	17.46	0.056
10	16QAM	25	12	17.49	0.056	17.49	0.056	17.41	0.055
10	16QAM	25	25	17.52	0.056	17.46	0.056	17.39	0.055
10	16QAM	50	0	17.50	0.056	17.57	0.057	17.54	0.057
10	64QAM	1	0	17.73	0.059	17.77	0.060	17.67	0.058
10	64QAM	1	25	17.68	0.059	17.78	0.060	17.74	0.059
10	64QAM	1	49	17.74	0.059	17.77	0.060	17.69	0.059
10	64QAM	25	0	16.15	0.041	16.18	0.041	16.16	0.041
10	64QAM	25	12	16.16	0.041	16.13	0.041	16.12	0.041
10	64QAM	25	25	16.12	0.041	16.18	0.041	16.12	0.041
10	64QAM	50	0	16.19	0.042	16.22	0.042	16.19	0.042



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	20.21	0.105	20.23	0.105	20.25	0.106
5	QPSK	1	12	20.10	0.102	20.18	0.104	20.21	0.105
5	QPSK	1	24	20.12	0.103	20.20	0.105	20.08	0.102
5	QPSK	12	0	18.90	0.078	18.97	0.079	18.99	0.079
5	QPSK	12	7	19.02	0.080	18.97	0.079	18.94	0.078
5	QPSK	12	13	18.96	0.079	18.99	0.079	18.95	0.079
5	QPSK	25	0	18.82	0.076	18.87	0.077	18.85	0.077
5	16QAM	1	0	19.47	0.089	19.58	0.091	19.51	0.089
5	16QAM	1	12	19.47	0.089	19.53	0.090	19.50	0.089
5	16QAM	1	24	19.47	0.089	19.51	0.089	19.48	0.089
5	16QAM	12	0	17.49	0.056	17.48	0.056	17.43	0.055
5	16QAM	12	7	17.49	0.056	17.56	0.057	17.45	0.056
5	16QAM	12	13	17.51	0.056	17.54	0.057	17.41	0.055
5	16QAM	25	0	17.50	0.056	17.60	0.058	17.48	0.056
5	64QAM	1	0	17.69	0.059	17.75	0.060	17.70	0.059
5	64QAM	1	12	17.66	0.058	17.81	0.060	17.70	0.059
5	64QAM	1	24	17.71	0.059	17.83	0.061	17.69	0.059
5	64QAM	12	0	16.20	0.042	16.19	0.042	16.16	0.041
5	64QAM	12	7	16.16	0.041	16.15	0.041	16.15	0.041
5	64QAM	12	13	16.08	0.041	16.18	0.041	16.14	0.041
5	64QAM	25	0	16.19	0.042	16.30	0.043	16.19	0.042



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		dBm		dBm	
				W		W		W	
3	QPSK	1	0	20.19	0.104	20.29	0.107	20.24	0.106
3	QPSK	1	8	20.10	0.102	20.25	0.106	20.21	0.105
3	QPSK	1	14	20.12	0.103	20.18	0.104	20.08	0.102
3	QPSK	8	0	18.93	0.078	19.00	0.079	18.99	0.079
3	QPSK	8	4	19.01	0.080	19.04	0.080	18.91	0.078
3	QPSK	8	7	18.94	0.078	18.98	0.079	18.97	0.079
3	QPSK	15	0	18.86	0.077	18.90	0.078	18.90	0.078
3	16QAM	1	0	19.52	0.090	19.63	0.092	19.53	0.090
3	16QAM	1	8	19.55	0.090	19.60	0.091	19.51	0.089
3	16QAM	1	14	19.44	0.088	19.59	0.091	19.42	0.087
3	16QAM	8	0	17.43	0.055	17.50	0.056	17.39	0.055
3	16QAM	8	4	17.54	0.057	17.56	0.057	17.50	0.056
3	16QAM	8	7	17.45	0.056	17.47	0.056	17.37	0.055
3	16QAM	15	0	17.53	0.057	17.55	0.057	17.55	0.057
3	64QAM	1	0	17.70	0.059	17.76	0.060	17.70	0.059
3	64QAM	1	8	17.66	0.058	17.78	0.060	17.70	0.059
3	64QAM	1	14	17.73	0.059	17.74	0.059	17.69	0.059
3	64QAM	8	0	16.17	0.041	16.19	0.042	16.22	0.042
3	64QAM	8	4	16.12	0.041	16.10	0.041	16.14	0.041
3	64QAM	8	7	16.14	0.041	16.14	0.041	16.12	0.041
3	64QAM	15	0	16.15	0.041	16.28	0.042	16.24	0.042



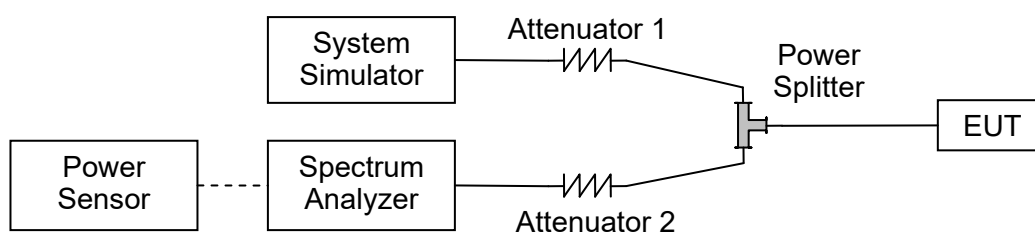
LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131979		132322		132665	
Frequency (MHz)				1710.7		1745		1779.3	
				dBm		dBm		dBm	
				W		W		W	
1.4	QPSK	1	0	20.24	0.106	20.24	0.106	20.22	0.105
1.4	QPSK	1	3	20.10	0.102	20.21	0.105	20.17	0.104
1.4	QPSK	1	5	20.11	0.103	20.22	0.105	20.09	0.102
1.4	QPSK	3	0	19.80	0.095	19.92	0.098	19.80	0.095
1.4	QPSK	3	1	19.89	0.097	19.89	0.097	19.78	0.095
1.4	QPSK	3	3	19.87	0.097	19.90	0.098	19.85	0.097
1.4	QPSK	6	0	18.88	0.077	18.93	0.078	18.83	0.076
1.4	16QAM	1	0	19.48	0.089	19.57	0.091	19.47	0.089
1.4	16QAM	1	3	19.53	0.090	19.58	0.091	19.51	0.089
1.4	16QAM	1	5	19.51	0.089	19.58	0.091	19.51	0.089
1.4	16QAM	3	0	18.32	0.068	18.39	0.069	18.33	0.068
1.4	16QAM	3	1	18.42	0.070	18.39	0.069	18.36	0.069
1.4	16QAM	3	3	18.39	0.069	18.34	0.068	18.24	0.067
1.4	16QAM	6	0	17.47	0.056	17.62	0.058	17.54	0.057
1.4	64QAM	1	0	17.75	0.060	17.83	0.061	17.75	0.060
1.4	64QAM	1	3	17.71	0.059	17.81	0.060	17.69	0.059
1.4	64QAM	1	5	17.77	0.060	17.77	0.060	17.75	0.060
1.4	64QAM	3	0	17.05	0.051	17.08	0.051	17.05	0.051
1.4	64QAM	3	1	17.08	0.051	17.03	0.050	17.02	0.050
1.4	64QAM	3	3	17.03	0.050	17.09	0.051	17.07	0.051
1.4	64QAM	6	0	16.15	0.041	16.23	0.042	16.26	0.042

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	1.19
	Low	16QAM	1.10	1.25
	Low	64QAM	1.10	1.26
	Mid	QPSK	1.09	1.24
	Mid	16QAM	1.10	1.25
	Mid	64QAM	1.10	1.25
	High	QPSK	1.10	1.24
	High	16QAM	1.10	1.26
	High	64QAM	1.11	1.25
3	Low	QPSK	2.71	3.04
	Low	16QAM	2.70	3.05
	Low	64QAM	2.72	3.04
	Mid	QPSK	2.74	3.00
	Mid	16QAM	2.71	3.06
	Mid	64QAM	2.71	3.04
	High	QPSK	2.72	3.05
	High	16QAM	2.71	3.05
	High	64QAM	2.71	3.02
5	Low	QPSK	4.49	4.96
	Low	16QAM	4.50	4.98
	Low	64QAM	4.51	4.99
	Mid	QPSK	4.50	4.95
	Mid	16QAM	4.51	5.00
	Mid	64QAM	4.52	5.00
	High	QPSK	4.51	4.98
	High	16QAM	4.50	4.94
	High	64QAM	4.48	4.78
10	Low	QPSK	9.03	9.92
	Low	16QAM	8.96	9.88
	Low	64QAM	9.00	9.88
	Mid	QPSK	9.00	9.86
	Mid	16QAM	8.98	9.85
	Mid	64QAM	9.01	9.94
	High	QPSK	9.00	9.88
	High	16QAM	8.97	9.83
	High	64QAM	9.00	9.93



15	Low	QPSK	13.47	14.92
	Low	16QAM	13.48	14.88
	Low	64QAM	13.50	15.00
	Mid	QPSK	13.47	14.80
	Mid	16QAM	13.47	14.93
	Mid	64QAM	13.46	14.93
	High	QPSK	13.49	14.80
	High	16QAM	13.44	14.90
	High	64QAM	13.47	14.81
20	Low	QPSK	17.99	19.69
	Low	16QAM	18.01	19.94
	Low	64QAM	18.01	19.95
	Mid	QPSK	17.95	19.78
	Mid	16QAM	17.95	19.59
	Mid	64QAM	17.98	19.72
	High	QPSK	17.92	19.56
	High	16QAM	17.96	19.81
	High	64QAM	17.97	19.56



LTE Band 4				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.24
	Low	16QAM	1.10	1.24
	Low	64QAM	1.10	1.26
	Mid	QPSK	1.10	1.24
	Mid	16QAM	1.10	1.25
	Mid	64QAM	1.10	1.25
	High	QPSK	1.10	1.25
	High	16QAM	1.10	1.25
	High	64QAM	1.11	1.26
3	Low	QPSK	2.72	3.05
	Low	16QAM	2.70	3.05
	Low	64QAM	2.71	3.04
	Mid	QPSK	2.72	3.05
	Mid	16QAM	2.72	3.05
	Mid	64QAM	2.71	3.02
	High	QPSK	2.72	3.04
	High	16QAM	2.72	3.05
	High	64QAM	2.71	3.04
5	Low	QPSK	4.50	4.98
	Low	16QAM	4.49	4.99
	Low	64QAM	4.50	4.99
	Mid	QPSK	4.51	4.96
	Mid	16QAM	4.50	5.00
	Mid	64QAM	4.51	4.97
	High	QPSK	4.50	4.97
	High	16QAM	4.50	4.98
	High	64QAM	4.51	4.99
10	Low	QPSK	8.99	9.85
	Low	16QAM	8.96	9.78
	Low	64QAM	9.00	9.82
	Mid	QPSK	9.00	9.95
	Mid	16QAM	8.98	9.87
	Mid	64QAM	9.01	9.91
	High	QPSK	9.00	9.89
	High	16QAM	8.97	9.87
	High	64QAM	8.99	9.96



15	Low	QPSK	13.46	14.89
	Low	16QAM	13.41	14.18
	Low	64QAM	13.42	14.98
	Mid	QPSK	13.49	14.85
	Mid	16QAM	13.49	14.95
	Mid	64QAM	13.48	14.93
	High	QPSK	13.48	14.85
	High	16QAM	13.48	14.99
	High	64QAM	13.45	14.92
20	Low	QPSK	17.95	19.77
	Low	16QAM	17.98	19.69
	Low	64QAM	17.97	19.68
	Mid	QPSK	18.01	19.80
	Mid	16QAM	18.02	19.77
	Mid	64QAM	18.05	19.80
	High	QPSK	17.96	19.71
	High	16QAM	17.94	19.00
	High	64QAM	17.99	19.74



LTE Band 5				
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	1.10	1.24
	Mid	QPSK	1.10	1.27
	Mid	16QAM	1.10	1.25
	Mid	64QAM	1.10	1.25
	High	QPSK	1.10	1.25
	High	16QAM	1.10	1.25
	High	64QAM	1.10	1.24
3	Low	QPSK	2.71	3.05
	Low	16QAM	2.71	3.03
	Low	64QAM	2.71	3.05
	Mid	QPSK	2.71	3.06
	Mid	16QAM	2.71	3.05
	Mid	64QAM	2.71	3.02
	High	QPSK	2.71	3.07
	High	16QAM	2.72	3.06
	High	64QAM	2.70	3.03
5	Low	QPSK	4.50	4.97
	Low	16QAM	4.49	4.98
	Low	64QAM	4.51	4.97
	Mid	QPSK	4.49	4.98
	Mid	16QAM	4.50	5.00
	Mid	64QAM	4.50	4.98
	High	QPSK	4.50	4.98
	High	16QAM	4.50	4.95
	High	64QAM	4.51	4.97
10	Low	QPSK	9.00	9.94
	Low	16QAM	8.98	9.87
	Low	64QAM	9.02	9.92
	Mid	QPSK	9.00	9.83
	Mid	16QAM	8.99	9.80
	Mid	64QAM	9.00	9.90
	High	QPSK	8.99	9.84
	High	16QAM	8.97	9.86
	High	64QAM	9.00	9.90



LTE Band 7				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.49	4.87
	Low	16QAM	4.49	4.82
	Low	64QAM	4.50	4.99
	Mid	QPSK	4.50	4.97
	Mid	16QAM	4.48	4.78
	Mid	64QAM	4.44	4.75
	High	QPSK	4.50	4.96
	High	16QAM	4.50	4.96
	High	64QAM	4.51	4.98
10	Low	QPSK	9.01	11.06
	Low	16QAM	8.98	9.83
	Low	64QAM	9.02	9.94
	Mid	QPSK	9.05	13.00
	Mid	16QAM	8.98	9.87
	Mid	64QAM	8.99	9.95
	High	QPSK	9.01	9.91
	High	16QAM	8.98	9.90
	High	64QAM	9.02	9.87
15	Low	QPSK	13.42	14.87
	Low	16QAM	13.47	14.96
	Low	64QAM	13.46	14.98
	Mid	QPSK	13.56	23.42
	Mid	16QAM	13.48	14.86
	Mid	64QAM	13.46	15.01
	High	QPSK	13.55	19.24
	High	16QAM	13.48	14.97
	High	64QAM	13.47	14.86
20	Low	QPSK	18.02	23.46
	Low	16QAM	18.00	19.83
	Low	64QAM	17.93	19.88
	Mid	QPSK	18.03	24.18
	Mid	16QAM	18.03	23.76
	Mid	64QAM	18.01	19.80
	High	QPSK	18.23	33.09
	High	16QAM	18.00	19.79
	High	64QAM	17.96	19.67



LTE Band 13				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.51	4.92
	Low	16QAM	4.50	4.98
	Low	64QAM	4.51	4.97
	Mid	QPSK	4.50	5.00
	Mid	16QAM	4.50	4.98
	Mid	64QAM	4.51	4.98
	High	QPSK	4.50	4.94
	High	16QAM	4.51	4.93
	High	64QAM	4.51	4.98
10	Mid	QPSK	9.01	9.82
	Mid	16QAM	8.97	9.82
	Mid	64QAM	9.00	9.92



LTE Band 38				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.51	5.00
	Low	16QAM	4.52	5.14
	Low	64QAM	4.51	5.01
	Mid	QPSK	4.50	5.15
	Mid	16QAM	4.51	4.76
	Mid	64QAM	4.51	4.97
	High	QPSK	4.51	5.10
	High	16QAM	4.51	5.28
	High	64QAM	4.51	4.97
10	Low	QPSK	8.98	9.92
	Low	16QAM	8.99	9.79
	Low	64QAM	9.00	10.22
	Mid	QPSK	8.91	9.42
	Mid	16QAM	8.97	9.94
	Mid	64QAM	9.01	10.66
	High	QPSK	8.99	10.20
	High	16QAM	8.99	10.18
	High	64QAM	9.02	10.74
15	Low	QPSK	13.50	15.19
	Low	16QAM	13.48	14.90
	Low	64QAM	13.36	14.13
	Mid	QPSK	13.49	14.74
	Mid	16QAM	13.51	14.83
	Mid	64QAM	13.45	14.97
	High	QPSK	13.45	14.93
	High	16QAM	13.43	14.23
	High	64QAM	13.45	15.20
20	Low	QPSK	17.97	20.85
	Low	16QAM	17.93	18.90
	Low	64QAM	17.99	19.90
	Mid	QPSK	17.98	19.68
	Mid	16QAM	17.98	19.75
	Mid	64QAM	17.98	20.28
	High	QPSK	17.97	19.76
	High	16QAM	18.00	19.90
	High	64QAM	17.98	19.98



LTE Band 40, Block A				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.51	4.93
	Low	16QAM	4.51	5.05
	Low	64QAM	4.51	4.92
	Mid	QPSK	4.50	5.09
	Mid	16QAM	4.51	5.21
	Mid	64QAM	4.51	4.97
	High	QPSK	4.51	4.91
	High	16QAM	4.51	5.25
	High	64QAM	4.52	4.94
10	Mid	QPSK	9.00	10.23
	Mid	16QAM	8.98	9.99
	Mid	64QAM	8.99	10.18

LTE Band 40, Block B				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.50	5.09
	Low	16QAM	4.51	5.28
	Low	64QAM	4.50	4.95
	Mid	QPSK	4.50	5.05
	Mid	16QAM	4.50	5.17
	Mid	64QAM	4.51	4.94
	High	QPSK	4.51	4.97
	High	16QAM	4.51	4.97
	High	64QAM	4.51	4.95
10	Mid	QPSK	8.98	10.10
	Mid	16QAM	8.97	9.84
	Mid	64QAM	9.01	10.69



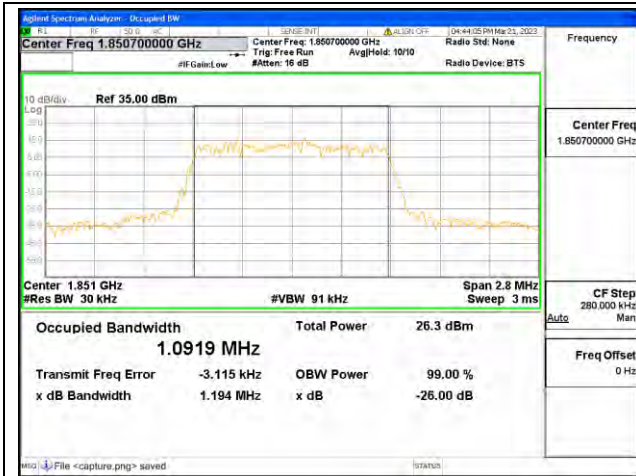
LTE Band 41				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.49	5.02
	Low	16QAM	4.50	5.17
	Low	64QAM	4.51	5.01
	Mid	QPSK	4.51	5.19
	Mid	16QAM	4.51	4.98
	Mid	64QAM	4.50	4.97
	High	QPSK	4.51	5.06
	High	16QAM	4.50	5.19
	High	64QAM	4.51	4.97
10	Low	QPSK	9.00	10.19
	Low	16QAM	8.97	10.26
	Low	64QAM	8.95	9.65
	Mid	QPSK	8.99	10.05
	Mid	16QAM	8.98	10.06
	Mid	64QAM	9.02	10.77
	High	QPSK	9.00	10.09
	High	16QAM	8.98	10.08
	High	64QAM	9.00	10.86
15	Low	QPSK	13.45	14.84
	Low	16QAM	13.48	15.50
	Low	64QAM	13.44	14.91
	Mid	QPSK	13.46	14.76
	Mid	16QAM	13.50	14.76
	Mid	64QAM	13.46	14.96
	High	QPSK	13.51	15.33
	High	16QAM	13.50	14.95
	High	64QAM	13.44	15.16
20	Low	QPSK	17.95	19.80
	Low	16QAM	17.92	19.83
	Low	64QAM	17.95	19.57
	Mid	QPSK	17.99	20.36
	Mid	16QAM	18.03	20.57
	Mid	64QAM	17.95	19.56
	High	QPSK	18.00	20.17
	High	16QAM	17.82	19.10
	High	64QAM	17.96	19.98



LTE Band 66				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.24
	Low	16QAM	1.10	1.25
	Low	64QAM	1.10	1.25
	Mid	QPSK	1.09	1.24
	Mid	16QAM	1.10	1.26
	Mid	64QAM	1.09	1.22
	High	QPSK	1.10	1.24
	High	16QAM	1.10	1.25
	High	64QAM	1.10	1.25
3	Low	QPSK	2.72	3.06
	Low	16QAM	2.73	2.95
	Low	64QAM	2.71	3.05
	Mid	QPSK	2.71	3.06
	Mid	16QAM	2.72	3.07
	Mid	64QAM	2.71	3.04
	High	QPSK	2.71	3.04
	High	16QAM	2.71	3.06
	High	64QAM	2.72	3.04
5	Low	QPSK	4.50	4.99
	Low	16QAM	4.51	4.96
	Low	64QAM	4.49	4.96
	Mid	QPSK	4.49	4.96
	Mid	16QAM	4.49	5.01
	Mid	64QAM	4.49	4.96
	High	QPSK	4.49	5.00
	High	16QAM	4.49	4.95
	High	64QAM	4.50	4.98
10	Low	QPSK	8.99	9.86
	Low	16QAM	8.93	9.59
	Low	64QAM	8.99	9.87
	Mid	QPSK	9.00	9.83
	Mid	16QAM	8.97	9.79
	Mid	64QAM	9.00	9.94
	High	QPSK	8.99	9.87
	High	16QAM	8.97	9.82
	High	64QAM	9.03	9.96



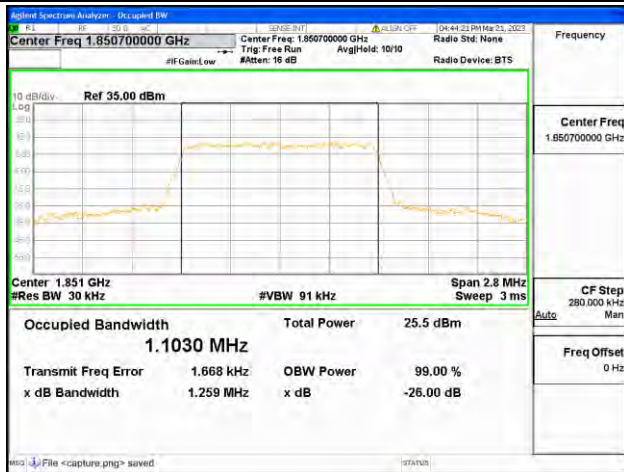
15	Low	QPSK	13.43	14.74
	Low	16QAM	13.47	14.96
	Low	64QAM	13.46	14.87
	Mid	QPSK	13.49	14.85
	Mid	16QAM	13.49	14.85
	Mid	64QAM	13.47	14.87
	High	QPSK	13.46	14.92
	High	16QAM	13.48	14.90
	High	64QAM	13.45	14.90
20	Low	QPSK	17.95	19.59
	Low	16QAM	17.98	19.83
	Low	64QAM	17.98	19.72
	Mid	QPSK	17.97	19.80
	Mid	16QAM	17.99	19.69
	Mid	64QAM	18.02	19.73
	High	QPSK	17.95	19.69
	High	16QAM	17.97	19.81
	High	64QAM	18.00	19.79



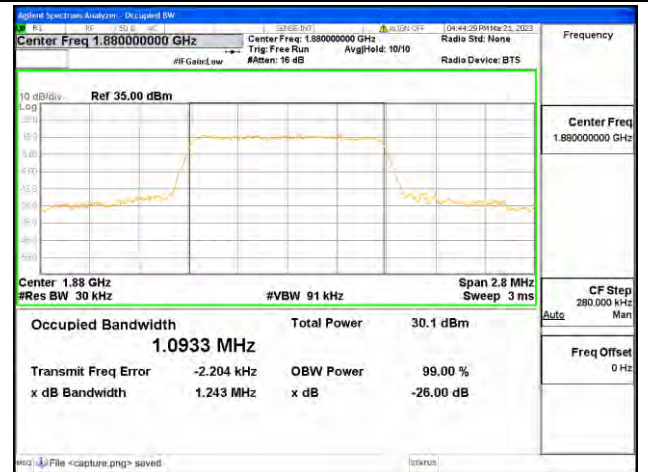
Band2 / 1.4MHz / QPSK/ Low CH



Band2 / 1.4MHz / 16QAM/ Low CH



Band2 / 1.4MHz / 64QAM/ Low CH



Band2 / 1.4MHz / QPSK/ Mid CH



Band2 / 1.4MHz / 16QAM/ Mid CH



Band2 / 1.4MHz / 64QAM/ Mid CH



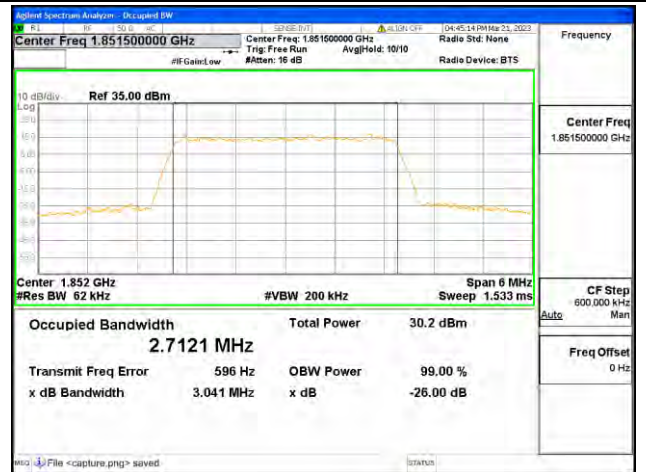
Band2 / 1.4MHz / QPSK/ High CH



Band2 / 1.4MHz / 16QAM/ High CH



Band2 / 1.4MHz / 64QAM/ High CH



Band2 / 3MHz / QPSK/ Low CH



Band2 / 3MHz / 16QAM/ Low CH



Band2 / 3MHz / 64QAM/ Low CH



Band2 / 5MHz / QPSK/ Low CH



Band2 / 5MHz / 16QAM/ Low CH



Band2 / 5MHz / 64QAM/ Low CH



Band2 / 5MHz / QPSK/ Mid CH



Band2 / 5MHz / 16QAM/ Mid CH



Band2 / 5MHz / 64QAM/ Mid CH



Band2 / 5MHz / QPSK / High CH



Band2 / 5MHz / 16QAM / High CH



Band2 / 5MHz / 64QAM / High CH



Band2 / 10MHz / QPSK / Low CH



Band2 / 10MHz / 16QAM / Low CH



Band2 / 10MHz / 64QAM / Low CH



Band2 / 10MHz / QPSK/ Mid CH



Band2 / 10MHz / 16QAM/ Mid CH



Band2 / 10MHz / 64QAM/ Mid CH



Band2 / 10MHz / QPSK/ High CH



Band2 / 10MHz / 16QAM/ High CH



Band2 / 10MHz / 64QAM/ High CH



Band2 / 15MHz / QPSK/ Low CH



Band2 / 15MHz / 16QAM/ Low CH



Band2 / 15MHz / 64QAM/ Low CH



Band2 / 15MHz / QPSK/ Mid CH



Band2 / 15MHz / 16QAM/ Mid CH



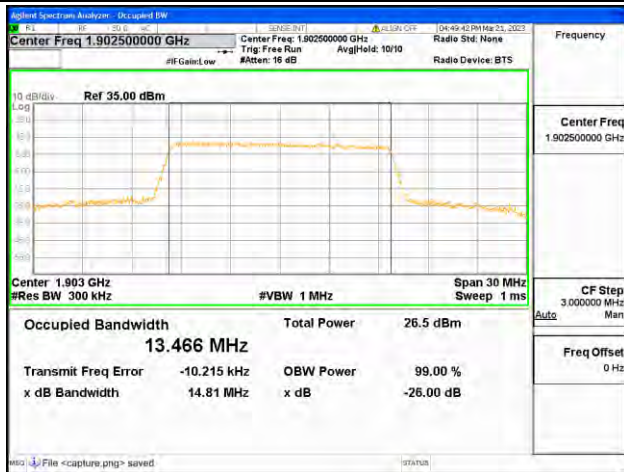
Band2 / 15MHz / 64QAM/ Mid CH



Band2 / 15MHz / QPSK/ High CH



Band2 / 15MHz / 16QAM/ High CH



Band2 / 15MHz / 64QAM/ High CH



Band2 / 20MHz / QPSK/ Low CH



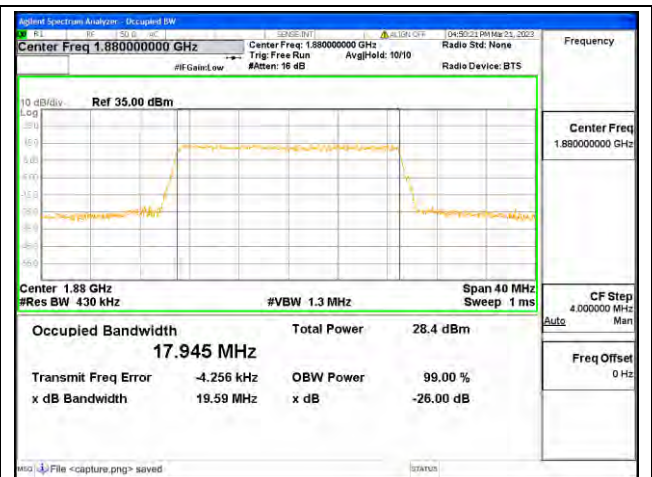
Band2 / 20MHz / 16QAM/ Low CH



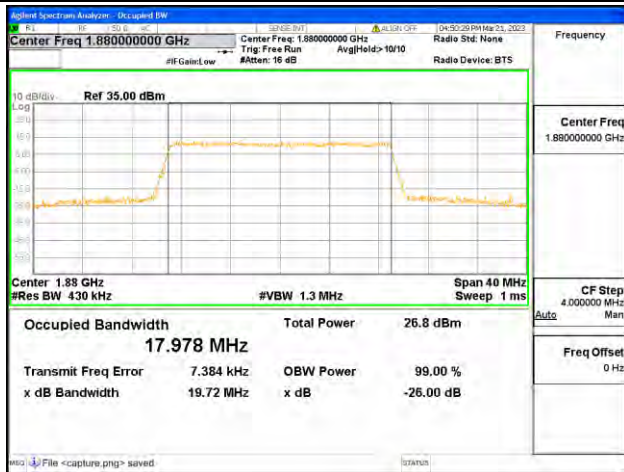
Band2 / 20MHz / 64QAM/ Low CH



Band2 / 20MHz / QPSK/ Mid CH



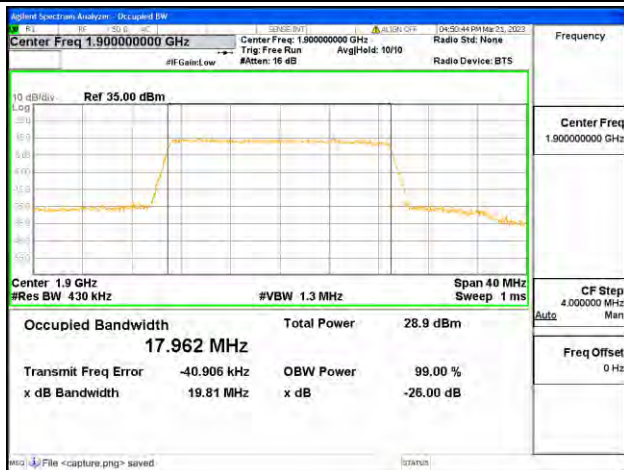
Band2 / 20MHz / 16QAM/ Mid CH



Band2 / 20MHz / 64QAM/ Mid CH



Band2 / 20MHz / QPSK/ High CH



Band2 / 20MHz / 16QAM/ High CH



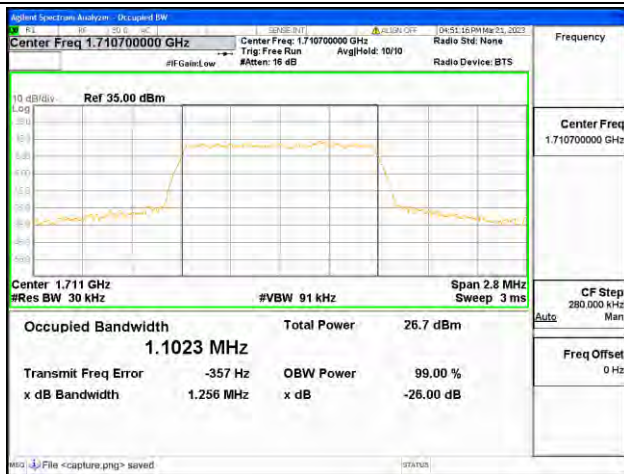
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Band4 / 1.4MHz / QPSK/ Low CH



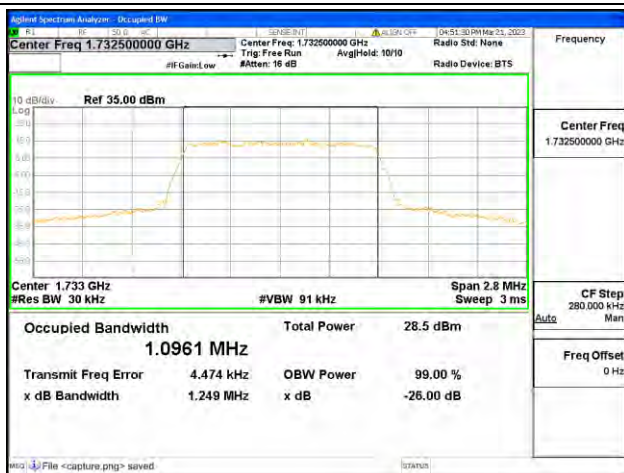
Band4 / 1.4MHz / 16QAM/ Low CH



Band4 / 1.4MHz / 64QAM/ Low CH



Band4 / 1.4MHz / QPSK/ Mid CH



Band4 / 1.4MHz / 16QAM/ Mid CH



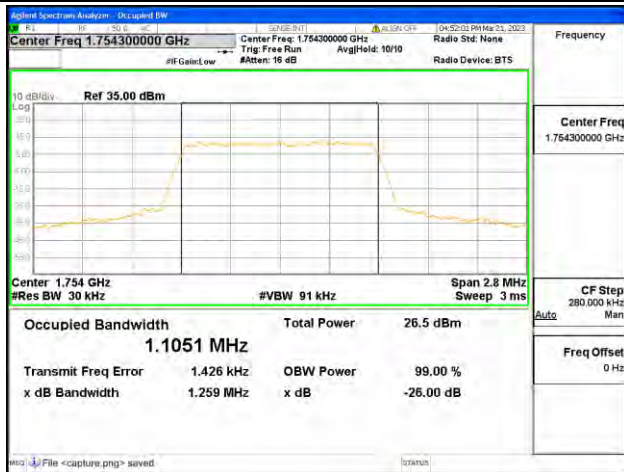
Band4 / 1.4MHz / 64QAM/ Mid CH



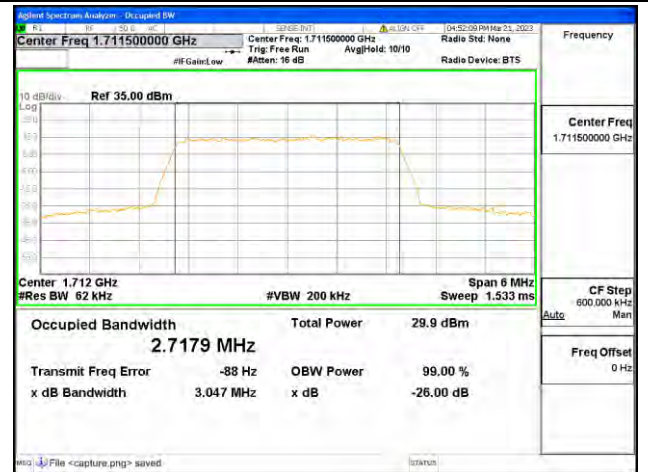
Band4 / 1.4MHz / QPSK/ High CH



Band4 / 1.4MHz / 16QAM/ High CH



Band4 / 1.4MHz / 64QAM/ High CH



Band4 / 3MHz / QPSK/ Low CH



Band4 / 3MHz / 16QAM/ Low CH



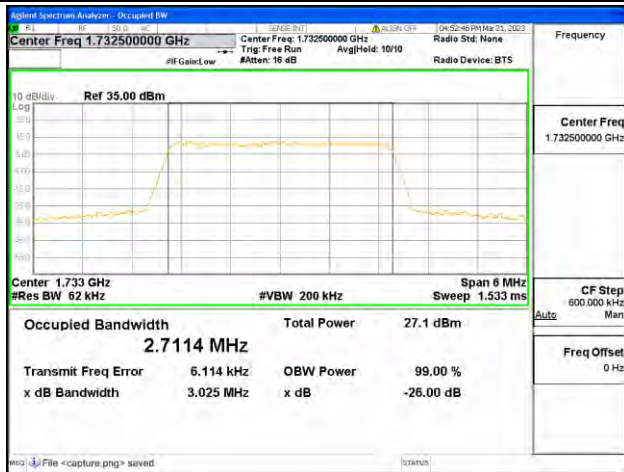
Band4 / 3MHz / 64QAM/ Low CH



Band4 / 3MHz / QPSK/ Mid CH



Band4 / 3MHz / 16QAM/ Mid CH



Band4 / 3MHz / 64QAM/ Mid CH



Band4 / 3MHz / QPSK/ High CH



Band4 / 3MHz / 16QAM/ High CH



Band4 / 3MHz / 64QAM/ High CH



Band4 / 5MHz / QPSK/ Low CH



Band4 / 5MHz / 16QAM/ Low CH



Band4 / 5MHz / 64QAM/ Low CH



Band4 / 5MHz / QPSK/ Mid CH



Band4 / 5MHz / 16QAM/ Mid CH



Band4 / 5MHz / 64QAM/ Mid CH



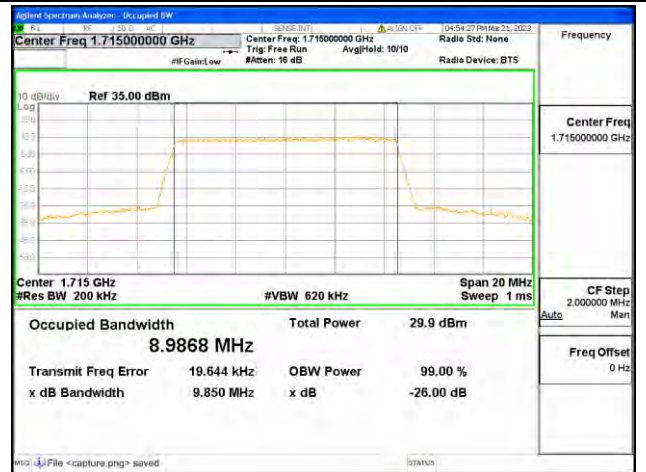
Band4 / 5MHz / QPSK / High CH



Band4 / 5MHz / 16QAM / High CH



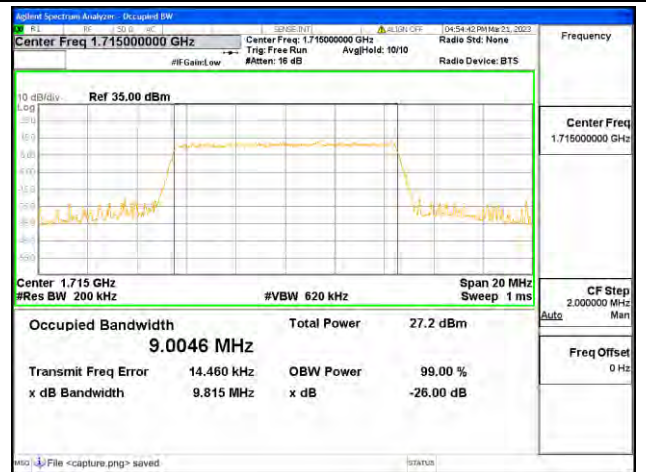
Band4 / 5MHz / 64QAM / High CH



Band4 / 10MHz / QPSK / Low CH



Band4 / 10MHz / 16QAM / Low CH



Band4 / 10MHz / 64QAM / Low CH



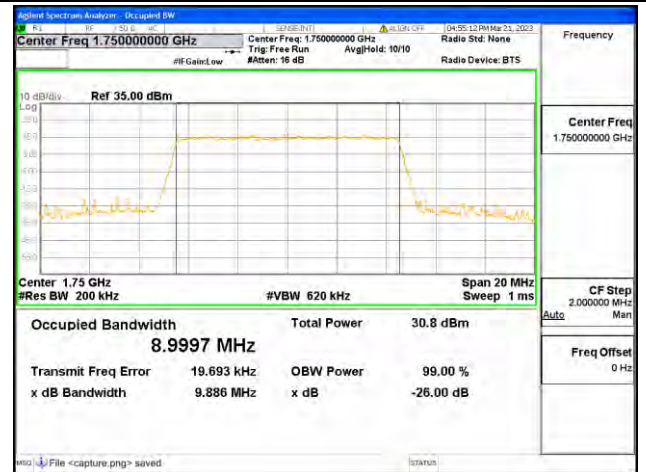
Band4 / 10MHz / QPSK/ Mid CH



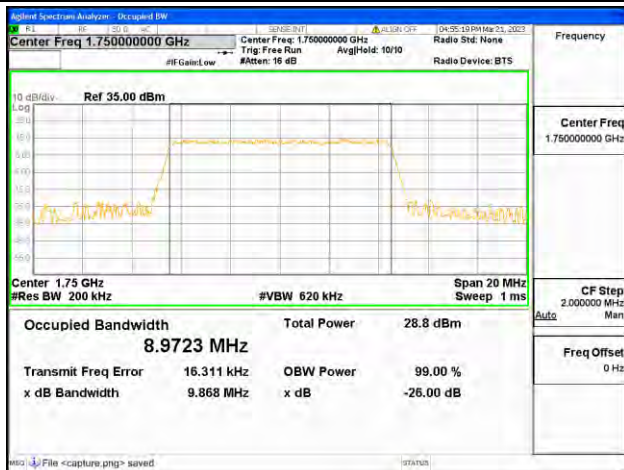
Band4 / 10MHz / 16QAM/ Mid CH



Band4 / 10MHz / 64QAM/ Mid CH



Band4 / 10MHz / QPSK/ High CH



Band4 / 10MHz / 16QAM/ High CH



Band4 / 10MHz / 64QAM/ High CH



Band4 / 15MHz / QPSK/ Low CH



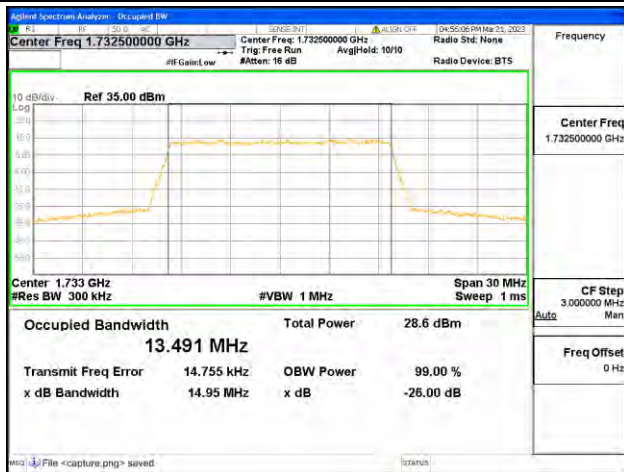
Band4 / 15MHz / 16QAM/ Low CH



Band4 / 15MHz / 64QAM/ Low CH



Band4 / 15MHz / QPSK/ Mid CH



Band4 / 15MHz / 16QAM/ Mid CH



Band4 / 15MHz / 64QAM/ Mid CH



Band4 / 15MHz / QPSK/ High CH



Band4 / 15MHz / 16QAM/ High CH



Band4 / 15MHz / 64QAM/ High CH



Band4 / 20MHz / QPSK/ Low CH



Band4 / 20MHz / 16QAM/ Low CH



Band4 / 20MHz / 64QAM/ Low CH



Band4 / 20MHz / QPSK/ Mid CH



Band4 / 20MHz / 16QAM/ Mid CH



Band4 / 20MHz / 64QAM/ Mid CH



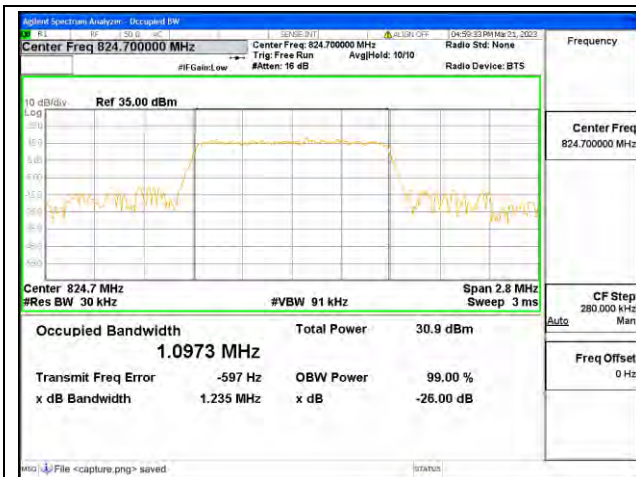
Band4 / 20MHz / QPSK/ High CH



Band4 / 20MHz / 16QAM/ High CH



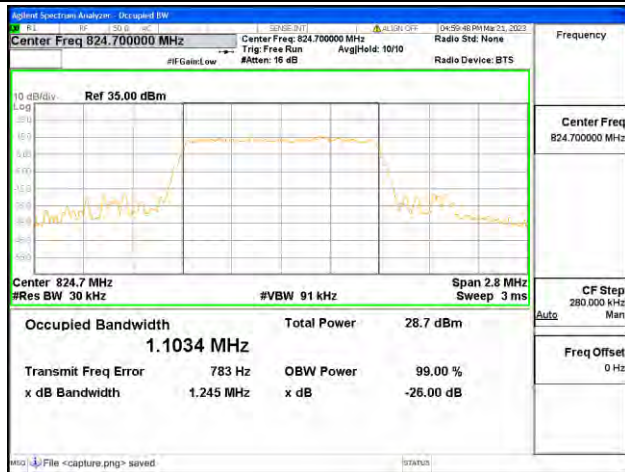
Band4 / 20MHz / 64QAM/ High CH



Band5 / 1.4MHz / QPSK/ Low CH



Band5 / 1.4MHz / 16QAM/ Low CH



Band5 / 1.4MHz / 64QAM/ Low CH



Band5 / 1.4MHz / QPSK/ Mid CH



Band5 / 1.4MHz / 16QAM/ Mid CH



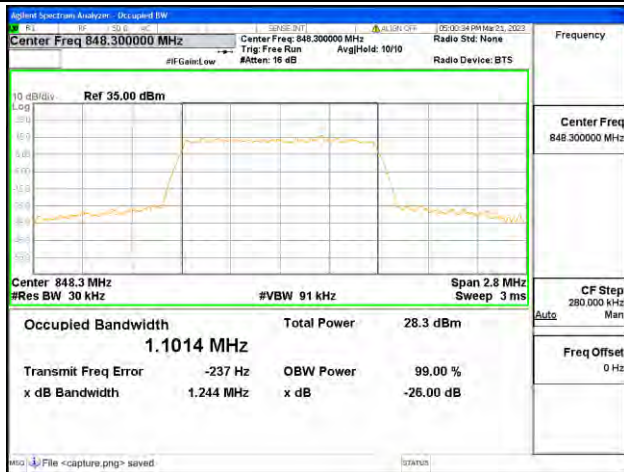
Band5 / 1.4MHz / 64QAM/ Mid CH



Band5 / 1.4MHz / QPSK/ High CH



Band5 / 1.4MHz / 16QAM/ High CH



Band5 / 1.4MHz / 64QAM/ High CH



Band5 / 3MHz / QPSK/ Low CH



Band5 / 3MHz / 16QAM/ Low CH



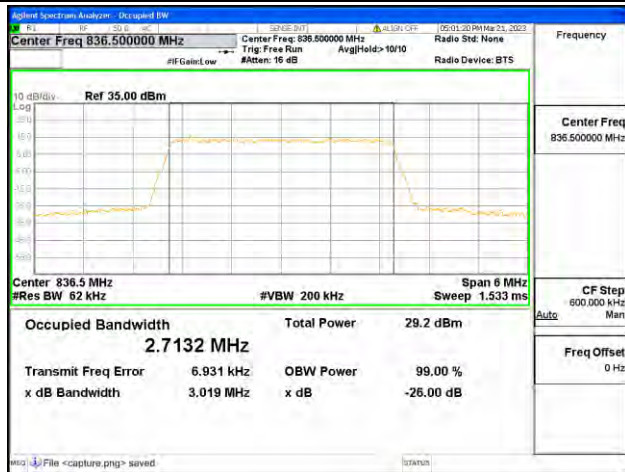
Band5 / 3MHz / 64QAM/ Low CH



Band5 / 3MHz / QPSK/ Mid CH



Band5 / 3MHz / 16QAM/ Mid CH



Band5 / 3MHz / 64QAM/ Mid CH



Band5 / 3MHz / QPSK/ High CH



Band5 / 3MHz / 16QAM/ High CH



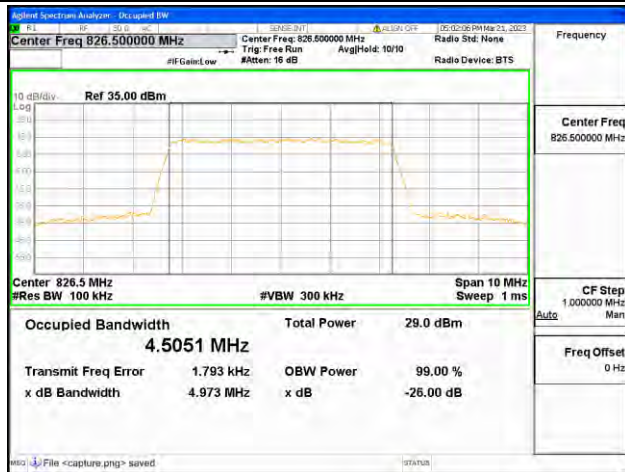
Band5 / 3MHz / 64QAM/ High CH



Band5 / 5MHz / QPSK/ Low CH



Band5 / 5MHz / 16QAM/ Low CH



Band5 / 5MHz / 64QAM/ Low CH



Band5 / 5MHz / QPSK/ Mid CH



Band5 / 5MHz / 16QAM/ Mid CH



Band5 / 5MHz / 64QAM/ Mid CH



Band5 / 5MHz / QPSK / High CH



Band5 / 5MHz / 16QAM / High CH



Band5 / 5MHz / 64QAM / High CH



Band5 / 10MHz / QPSK / Low CH



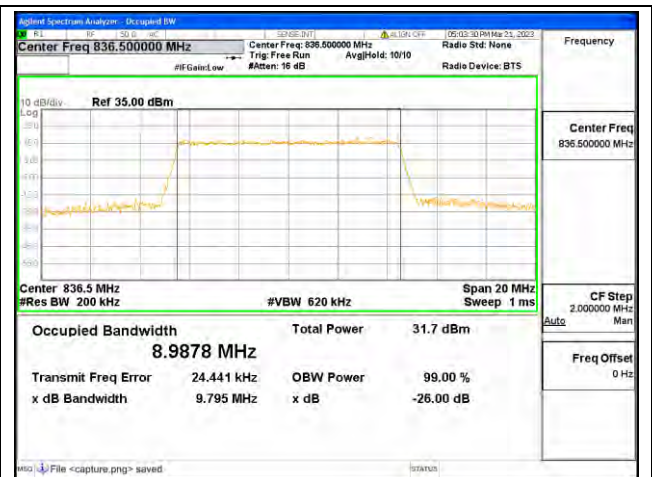
Band5 / 10MHz / 16QAM / Low CH



Band5 / 10MHz / 64QAM / Low CH



Band5 / 10MHz / QPSK/ Mid CH



Band5 / 10MHz / 16QAM/ Mid CH



Band5 / 10MHz / 64QAM/ Mid CH



Band5 / 10MHz / QPSK/ High CH



Band5 / 10MHz / 16QAM/ High CH



Band5 / 10MHz / 64QAM/ High CH



Band7 / 5MHz / QPSK/ Low CH



Band7 / 5MHz / 16QAM/ Low CH



Band7 / 5MHz / 64QAM/ Low CH



Band7 / 5MHz / QPSK/ Mid CH



Band7 / 5MHz / 16QAM/ Mid CH



Band7 / 5MHz / 64QAM/ Mid CH



Band7 / 5MHz / QPSK / High CH



Band7 / 5MHz / 16QAM / High CH



Band7 / 5MHz / 64QAM / High CH



Band7 / 10MHz / QPSK / Low CH



Band7 / 10MHz / 16QAM / Low CH



Band7 / 10MHz / 64QAM / Low CH



Band7 / 10MHz / QPSK/ Mid CH



Band7 / 10MHz / 16QAM/ Mid CH



Band7 / 10MHz / 64QAM/ Mid CH



Band7 / 10MHz / QPSK/ High CH



Band7 / 10MHz / 16QAM/ High CH



Band7 / 10MHz / 64QAM/ High CH