



TEST REPORT

APPLICANT : Realme Chongqing Mobile
Telecommunications Corp., Ltd.

PRODUCT NAME : Mobile Phone

MODEL NAME : RMX3830

BRAND NAME : realme

FCC ID : 2AUYFRMX3830

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

RECEIPT DATE : 2023-04-06

TEST DATE : 2023-04-10 to 2023-05-25

ISSUE DATE : 2023-06-05

Edited by: Zeng Xiaoying
Zeng Xiaoying (Rapporteur)

Approved by: Shen Junsheng
Shen Junsheng (Supervisor)

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





DIRECTORY

- 1. Technical Information 3**
- 1.1. Applicant and Manufacturer Information 3**
- 1.2. Equipment Under Test (EUT) Description 3**
- 1.3. Maximum E.R.P./E.I.R.P. and Emission Designator 7**
- 1.4. Test Standards and Results 11**
- 1.5. Environmental Conditions 12**
- 2. 47 CFR Part 2, Part 22H, Part 24E, Part 27 D&F&L&M Requirements 13**
- 2.1. Transmitter Conducted Output Power and E.R.P./E.I.R.P. 13**
- 2.2. Occupied Bandwidth 135**
- 2.3. Frequency Stability 205**
- 2.4. Peak to Average Ratio 211**
- 2.5. Conducted Spurious Emissions 245**
- 2.6. Band Edge 273**
- 2.7. Radiated Spurious Emissions 315**
- Annex A Test Uncertainty 380**
- Annex B Testing Laboratory Information 381**

Change History		
Version	Date	Reason for change
1.0	2023-06-05	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	-1.2dBi
	LTE Band 4	-2.2dBi
	LTE Band 5	-1.5dBi
	LTE Band 7	2.0dBi
	LTE Band 13	-5.8dBi
	LTE Band 38	2.0dBi
	LTE Band 40	-0.9dBi
	LTE Band 41	2.0dBi
	LTE Band 66	-2.0dBi
	Bottom Antenna	
	LTE Band 2	2.0dBi
	LTE Band 4	0.2dBi
	LTE Band 5	-1.3dBi
	LTE Band 7	2.5dBi
	LTE Band 13	-1.7dBi
	LTE Band 38	2.7dBi
	LTE Band 40	0.9dBi
	LTE Band 41	2.7dBi
	LTE Band 66	0.5dBi



Accessory Information:	Battery 1	
	Brand Name:	SUPERVOOC
	Model No.:	BLP923
	Serial No.:	N/A
	Capacity:	Typical: 5000mAh, Rated: 4880mAh
	Rated Voltage:	3.87V
	Charge Limit:	4.45V
	Manufacturer:	Dongguan NVT Technology Co., Ltd.
	Battery 2	
	Brand Name:	SUPERVOOC
	Model No.:	BLP923
	Serial No.:	N/A
	Capacity:	Typical: 5000mAh, Rated: 4880mAh
	Rated Voltage:	3.87V
	Charge Limit:	4.45V
	Manufacturer:	Chongqing CosMX Battery Co., Ltd.
	AC Adapter 1	
	Brand Name:	SUPERVOOC
	Model No.:	VCB3HDUH
	Serial No.:	N/A
	Rated Output:	5V \Rightarrow 2A or 5-11V \Rightarrow 3A Max
	Rated Input:	100-240V \sim 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 \Rightarrow 2A or 5-11V \Rightarrow 3A Max	
Rated Input:	100-240V \sim 50/60Hz, 1.2A	
Manufacturer:	SHENZHEN HUNTKEY ELECTRIC CO., LTD.	



Accessory Information:	AC Adapter 3	
	Brand Name:	SUPERVOOC
	Model No.:	VCB3HDUH
	Serial No.:	N/A
	Rated Output:	5V \Rightarrow 2A or 5-11V \Rightarrow 3A Max
	Rated Input:	100-240V \sim 50/60Hz, 1.2A
	Manufacturer:	Huizhou Golden Lake Industrial Co., Ltd.
	Factory:	Huizhou Golden Lake Industrial Co., Ltd.
	AC Adapter 4	
	Brand Name:	SUPERVOOC
	Model No.:	VCB3HDUH
	Serial No.:	N/A
	Rated Output:	5V \Rightarrow 2A or 5-11V \Rightarrow 3A Max
	Rated Input:	100-240V \sim 50/60Hz, 1.2A
	Manufacturer:	Huizhou Golden Lake Industrial Co., Ltd.
	Factory:	DAZHOU TENPAO JINHU ELECTRONICS CO., LTD
	USB Cable	
Model No.:	DL143	
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)					
	Bottom Antenna			Top Antenna		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.277	0.217	0.177	0.133	0.104	0.085
15	0.275	0.222	0.177	0.132	0.106	0.085
10	0.277	0.219	0.177	0.132	0.105	0.085
5	0.274	0.221	0.180	0.131	0.106	0.086
3	0.275	0.219	0.175	0.132	0.105	0.084
1.4	0.275	0.221	0.177	0.132	0.106	0.085
LTE Band 4	Maximum E.R.P./E.I.R.P. (W)					
	Bottom Antenna			Top Antenna		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.181	0.140	0.114	0.104	0.081	0.066
15	0.179	0.139	0.114	0.103	0.080	0.066
10	0.180	0.140	0.113	0.104	0.080	0.065
5	0.181	0.141	0.115	0.104	0.081	0.066
3	0.180	0.141	0.113	0.104	0.081	0.065
1.4	0.180	0.137	0.113	0.104	0.079	0.065
LTE Band 5	Maximum E.R.P./E.I.R.P. (W)					
	Bottom Antenna			Top Antenna		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10	0.102	0.081	0.064	0.097	0.077	0.061
5	0.101	0.080	0.064	0.097	0.076	0.061
3	0.102	0.079	0.065	0.097	0.075	0.062
1.4	0.101	0.080	0.064	0.096	0.076	0.061
LTE Band 7	Maximum E.R.P./E.I.R.P. (W)					
	Bottom Antenna			Top Antenna		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.302	0.236	0.192	0.269	0.210	0.171
15	0.301	0.240	0.189	0.268	0.214	0.169
10	0.299	0.237	0.192	0.266	0.211	0.171
5	0.301	0.240	0.191	0.268	0.214	0.171



LTE Band 13	Maximum E.R.P./E.I.R.P. (W)					
	Bottom Antenna			Top Antenna		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10	0.089	0.069	0.056	0.035	0.027	0.022
5	0.088	0.072	0.057	0.034	0.028	0.022
LTE Band 38	Maximum E.R.P./E.I.R.P. (W)					
	Bottom Antenna			Top Antenna		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.355	0.283	0.228	0.302	0.241	0.194
15	0.352	0.279	0.225	0.299	0.238	0.192
10	0.353	0.284	0.233	0.301	0.242	0.198
5	0.352	0.290	0.225	0.300	0.247	0.192
LTE Band 40 Block A	Maximum E.R.P./E.I.R.P. (W)					
	Bottom Antenna			Top Antenna		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10	0.232	0.182	0.147	0.153	0.120	0.097
5	0.231	0.184	0.155	0.152	0.121	0.102
LTE Band 40 Block B	Maximum E.R.P./E.I.R.P. (W)					
	Bottom Antenna			Top Antenna		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10	0.234	0.182	0.143	0.155	0.121	0.094
5	0.232	0.187	0.152	0.153	0.123	0.100
LTE Band 41	Maximum E.R.P./E.I.R.P. (W)					
	Bottom Antenna			Top Antenna		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.360	0.279	0.227	0.306	0.238	0.193
15	0.359	0.279	0.227	0.305	0.238	0.193
10	0.357	0.277	0.231	0.304	0.236	0.196
5	0.355	0.277	0.231	0.302	0.236	0.196
LTE Band 66	Maximum E.R.P./E.I.R.P. (W)					
	Bottom Antenna			Top Antenna		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.197	0.151	0.124	0.111	0.085	0.070
15	0.196	0.151	0.124	0.110	0.085	0.070
10	0.195	0.154	0.122	0.109	0.086	0.069
5	0.194	0.149	0.124	0.109	0.084	0.070
3	0.194	0.151	0.120	0.109	0.085	0.067
1.4	0.193	0.151	0.122	0.108	0.085	0.069



LTE Band 2	Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM
1.4	1M10G7D	1M10W7D	1M11W7D
3	2M72G7D	2M72W7D	2M71W7D
5	4M50G7D	4M51W7D	4M51W7D
10	9M03G7D	8M99W7D	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	1M10W7D
3	2M72G7D	2M71W7D	2M71W7D
5	4M50G7D	4M50W7D	4M51W7D
10	9M04G7D	8M99W7D	9M01W7D
15	13M5G7D	13M5W7D	13M5W7D
20	18M0G7D	18M0W7D	18M0W7D
LTE Band 5	Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM
1.4	1M10G7D	1M10W7D	1M10W7D
3	2M72G7D	2M71W7D	2M72W7D
5	4M50G7D	4M50W7D	4M51W7D
10	9M04G7D	8M97W7D	9M01W7D
LTE Band 7	Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM
5	4M50G7D	4M50W7D	4M50W7D
10	9M02G7D	8M99W7D	9M02W7D
15	13M5G7D	13M5W7D	13M5W7D
20	18M0G7D	18M0W7D	18M0W7D
LTE Band 13	Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM
5	4M50G7D	4M50W7D	4M52W7D
10	9M01G7D	8M96W7D	8M99W7D
LTE Band 38	Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM
5	4M51G7D	4M52W7D	4M51W7D
10	9M03G7D	8M98W7D	9M01W7D
15	13M5G7D	13M5W7D	13M5W7D
20	18M0G7D	18M0W7D	18M0W7D



LTE Band 40 Block A	Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM
5	4M50G7D	4M51W7D	4M50W7D
10	9M01G7D	8M94W7D	9M01W7D
LTE Band 40 Block B	Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM
5	4M51G7D	4M52W7D	4M51W7D
10	9M01G7D	8M99W7D	9M02W7D
LTE Band 41	Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM
5	4M50G7D	4M51W7D	4M50W7D
10	9M02G7D	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	1M11W7D
3	2M72G7D	2M71W7D	2M72W7D
5	4M50G7D	4M50W7D	4M50W7D
10	9M00G7D	8M96W7D	9M02W7D
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(d)(4) 27.50(h)(2)	Transmitter Conducted Output Power and E.R.P./E.I.R.P.	May 22&25, 2023	Zheng Jianhua Li Huaijie	PASS	No deviation
2.1049	Occupied Bandwidth	Apr. 17, 2023	Li Huaijie	PASS	No deviation
2.1055 22.355 24.235 27.54	Frequency Stability	Apr. 17, 2023	Li Huaijie	PASS	No deviation
24.232(d), 27.50(d)(5)	Peak to Average Radio	Apr. 17, 2023	Li Huaijie	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(a)(4) 27.53(c)(2) 27.53(h) 27.53(m)(4)	Conducted Spurious Emissions	Apr. 17, 2023	Li Huaijie	PASS	No deviation
2.1051 22.917(a)	Band Edge	Apr. 17, 2023	Li Huaijie	PASS	No deviation



24.238(a) 27.53(a)(4) 27.53(c)(2) 27.53(h) 27.53(m)(4)					
2.1053 22.917(a) 24.238(a) 27.53(a)(4) 27.53(c)(2) 27.53(h) 27.53(m)(4)	Radiated Spurious Emissions	Apr. 10&11, 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&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 5/18/19/26, the E.R.P. of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

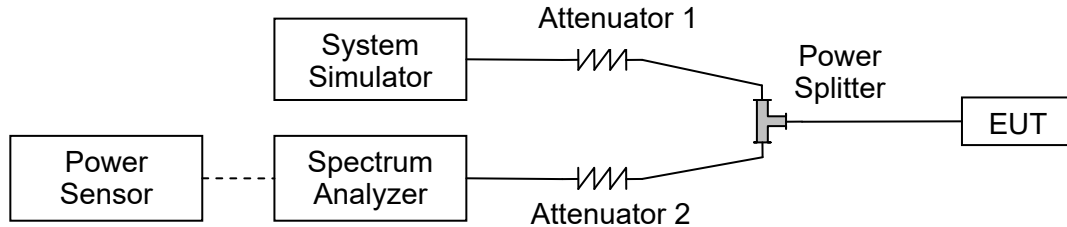
According to FCC section 27.50 (h)(2) for LTE Band 7/38/41, Mobile and other user stations. Mobile stations are limited to 2 watts E.I.R.P. All user stations are limited to 2 watts transmitter output power.

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

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	22.38	22.43	22.29
20	QPSK	1	49	22.35	22.35	22.27
20	QPSK	1	99	22.28	22.33	22.22
20	QPSK	50	0	21.33	21.45	21.35
20	QPSK	50	24	21.22	21.22	21.29
20	QPSK	50	50	21.31	21.32	21.25
20	QPSK	100	0	21.30	21.37	21.31
20	16QAM	1	0	21.20	21.37	21.24
20	16QAM	1	49	21.22	21.27	21.21
20	16QAM	1	99	21.21	21.26	21.19
20	16QAM	50	0	20.34	20.27	20.38
20	16QAM	50	24	20.14	20.24	20.22
20	16QAM	50	50	20.25	20.30	20.27
20	16QAM	100	0	20.16	20.26	20.16
20	64QAM	1	0	20.35	20.31	20.38
20	64QAM	1	49	20.15	20.22	20.21
20	64QAM	1	99	20.38	20.48	20.38
20	64QAM	50	0	19.33	19.15	19.30
20	64QAM	50	24	19.32	19.34	19.30
20	64QAM	50	50	19.28	19.26	19.48
20	64QAM	100	0	19.20	19.22	19.27



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	22.28	22.40	22.14
15	QPSK	1	37	22.33	22.26	22.19
15	QPSK	1	74	22.36	22.39	22.16
15	QPSK	36	0	21.23	21.32	21.26
15	QPSK	36	20	21.15	21.32	21.29
15	QPSK	36	39	21.22	21.34	21.17
15	QPSK	75	0	21.29	21.23	21.26
15	16QAM	1	0	21.31	21.47	21.37
15	16QAM	1	37	21.24	21.31	21.11
15	16QAM	1	74	21.24	21.37	21.17
15	16QAM	36	0	20.39	20.20	20.30
15	16QAM	36	20	20.10	20.11	20.29
15	16QAM	36	39	20.33	20.37	20.12
15	16QAM	75	0	20.25	20.22	20.22
15	64QAM	1	0	20.29	20.33	20.44
15	64QAM	1	37	20.31	20.12	20.18
15	64QAM	1	74	20.47	20.48	20.33
15	64QAM	36	0	19.27	19.26	19.41
15	64QAM	36	20	19.27	19.19	19.34
15	64QAM	36	39	19.33	19.23	19.33
15	64QAM	75	0	19.26	19.27	19.19



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	22.33	22.42	22.32
10	QPSK	1	25	22.22	22.23	22.30
10	QPSK	1	49	22.35	22.19	22.33
10	QPSK	25	0	21.27	21.40	21.43
10	QPSK	25	12	21.15	21.18	21.29
10	QPSK	25	25	21.32	21.32	21.30
10	QPSK	50	0	21.41	21.37	21.42
10	16QAM	1	0	21.10	21.34	21.18
10	16QAM	1	25	21.32	21.40	21.11
10	16QAM	1	49	21.06	21.16	21.30
10	16QAM	25	0	20.32	20.16	20.25
10	16QAM	25	12	20.13	20.09	20.29
10	16QAM	25	25	20.32	20.35	20.33
10	16QAM	50	0	20.02	20.22	20.22
10	64QAM	1	0	20.40	20.25	20.22
10	64QAM	1	25	20.23	20.17	20.32
10	64QAM	1	49	20.26	20.43	20.47
10	64QAM	25	0	19.43	19.26	19.42
10	64QAM	25	12	19.43	19.36	19.36
10	64QAM	25	25	19.43	19.32	19.33
10	64QAM	50	0	19.25	19.36	19.33



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	22.35	22.38	22.14
5	QPSK	1	12	22.29	22.28	22.35
5	QPSK	1	24	22.19	22.36	22.24
5	QPSK	12	0	21.25	21.34	21.46
5	QPSK	12	7	21.11	21.27	21.24
5	QPSK	12	13	21.36	21.20	21.29
5	QPSK	25	0	21.41	21.34	21.37
5	16QAM	1	0	21.06	21.44	21.31
5	16QAM	1	12	21.07	21.42	21.18
5	16QAM	1	24	21.22	21.37	21.06
5	16QAM	12	0	20.38	20.28	20.44
5	16QAM	12	7	20.29	20.19	20.28
5	16QAM	12	13	20.38	20.45	20.23
5	16QAM	25	0	20.07	20.21	20.11
5	64QAM	1	0	20.22	20.39	20.26
5	64QAM	1	12	20.23	20.31	20.30
5	64QAM	1	24	20.26	20.56	20.43
5	64QAM	12	0	19.35	19.30	19.27
5	64QAM	12	7	19.39	19.40	19.44
5	64QAM	12	13	19.20	19.24	19.57
5	64QAM	25	0	19.07	19.36	19.33



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	22.32	22.37	22.23
3	QPSK	1	8	22.35	22.40	22.14
3	QPSK	1	14	22.15	22.28	22.24
3	QPSK	8	0	21.23	21.30	21.26
3	QPSK	8	4	21.21	21.21	21.14
3	QPSK	8	7	21.27	21.23	21.16
3	QPSK	15	0	21.28	21.45	21.33
3	16QAM	1	0	21.21	21.40	21.31
3	16QAM	1	8	21.27	21.36	21.06
3	16QAM	1	14	21.09	21.18	21.34
3	16QAM	8	0	20.43	20.35	20.41
3	16QAM	8	4	20.18	20.10	20.23
3	16QAM	8	7	20.27	20.41	20.14
3	16QAM	15	0	20.20	20.41	20.04
3	64QAM	1	0	20.42	20.19	20.29
3	64QAM	1	8	20.03	20.34	20.16
3	64QAM	1	14	20.27	20.42	20.36
3	64QAM	8	0	19.45	19.26	19.37
3	64QAM	8	4	19.42	19.44	19.44
3	64QAM	8	7	19.28	19.14	19.38
3	64QAM	15	0	19.14	19.20	19.33



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	22.33	22.40	22.22
1.4	QPSK	1	3	22.36	22.31	22.17
1.4	QPSK	1	5	22.40	22.28	22.23
1.4	QPSK	3	0	21.32	21.33	21.27
1.4	QPSK	3	1	21.28	21.11	21.38
1.4	QPSK	3	3	21.31	21.27	21.18
1.4	QPSK	6	0	21.35	21.39	21.39
1.4	16QAM	1	0	21.17	21.45	21.13
1.4	16QAM	1	3	21.07	21.21	21.23
1.4	16QAM	1	5	21.26	21.38	21.30
1.4	16QAM	3	0	20.47	20.38	20.31
1.4	16QAM	3	1	20.15	20.12	20.34
1.4	16QAM	3	3	20.23	20.29	20.38
1.4	16QAM	6	0	20.24	20.15	20.16
1.4	64QAM	1	0	20.27	20.22	20.38
1.4	64QAM	1	3	20.14	20.20	20.25
1.4	64QAM	1	5	20.27	20.41	20.46
1.4	64QAM	3	0	20.31	20.04	20.36
1.4	64QAM	3	1	20.42	20.28	20.31
1.4	64QAM	3	3	20.26	20.31	20.49
1.4	64QAM	6	0	19.30	19.24	19.20



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20050	20175	20300
Frequency (MHz)				1720	1732.5	1745
20	QPSK	1	0	22.24	22.38	22.25
20	QPSK	1	49	22.18	22.18	22.16
20	QPSK	1	99	22.15	22.19	22.10
20	QPSK	50	0	21.29	21.33	21.28
20	QPSK	50	24	21.11	21.16	21.06
20	QPSK	50	50	21.22	21.09	21.14
20	QPSK	100	0	21.18	21.13	21.25
20	16QAM	1	0	21.14	21.26	21.14
20	16QAM	1	49	21.22	21.16	21.14
20	16QAM	1	99	21.15	21.15	21.20
20	16QAM	50	0	20.20	20.29	20.26
20	16QAM	50	24	20.11	20.17	20.20
20	16QAM	50	50	20.15	20.16	20.12
20	16QAM	100	0	20.10	20.14	20.09
20	64QAM	1	0	20.13	20.17	20.25
20	64QAM	1	49	20.16	20.11	20.18
20	64QAM	1	99	20.31	20.38	20.16
20	64QAM	50	0	19.25	19.33	19.21
20	64QAM	50	24	19.23	19.24	19.29
20	64QAM	50	50	19.23	19.13	19.39
20	64QAM	100	0	19.17	19.04	19.13



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20025	20175	20325
Frequency (MHz)				1717.5	1732.5	1747.5
15	QPSK	1	0	22.16	22.33	22.19
15	QPSK	1	37	22.21	22.29	22.22
15	QPSK	1	74	22.15	22.17	22.14
15	QPSK	36	0	21.07	21.19	21.20
15	QPSK	36	20	21.18	21.08	21.06
15	QPSK	36	39	21.26	21.15	21.21
15	QPSK	75	0	21.13	21.32	21.25
15	16QAM	1	0	21.11	21.12	21.23
15	16QAM	1	37	21.21	21.16	21.18
15	16QAM	1	74	21.07	21.09	21.14
15	16QAM	36	0	20.19	20.22	20.21
15	16QAM	36	20	20.12	20.07	20.14
15	16QAM	36	39	20.13	20.20	20.10
15	16QAM	75	0	20.19	20.23	20.21
15	64QAM	1	0	20.26	20.37	20.29
15	64QAM	1	37	20.19	20.14	20.16
15	64QAM	1	74	20.17	20.18	20.12
15	64QAM	36	0	19.24	19.25	19.16
15	64QAM	36	20	19.20	19.28	19.14
15	64QAM	36	39	19.14	19.15	19.32
15	64QAM	75	0	19.25	19.19	19.22



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	22.22	22.36	22.24
10	QPSK	1	25	22.28	22.21	22.16
10	QPSK	1	49	22.16	22.25	22.23
10	QPSK	25	0	21.09	21.28	21.29
10	QPSK	25	12	21.22	21.15	21.18
10	QPSK	25	25	21.16	21.17	21.19
10	QPSK	50	0	21.33	21.18	21.35
10	16QAM	1	0	21.20	21.18	21.16
10	16QAM	1	25	21.12	21.14	21.18
10	16QAM	1	49	21.19	21.21	21.25
10	16QAM	25	0	20.27	20.20	20.23
10	16QAM	25	12	20.14	20.11	20.11
10	16QAM	25	25	20.20	20.15	20.12
10	16QAM	50	0	20.10	20.19	20.22
10	64QAM	1	0	20.29	20.32	20.29
10	64QAM	1	25	20.10	20.16	20.22
10	64QAM	1	49	20.07	20.28	20.28
10	64QAM	25	0	19.20	19.19	19.30
10	64QAM	25	12	19.13	19.15	19.15
10	64QAM	25	25	19.19	19.21	19.22
10	64QAM	50	0	19.26	19.19	19.18



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	22.28	22.37	22.12
5	QPSK	1	12	22.25	22.14	22.22
5	QPSK	1	24	22.15	22.06	22.19
5	QPSK	12	0	21.16	21.31	21.21
5	QPSK	12	7	21.17	21.14	21.16
5	QPSK	12	13	21.08	21.01	21.16
5	QPSK	25	0	21.04	21.16	21.41
5	16QAM	1	0	21.17	21.28	21.17
5	16QAM	1	12	21.21	21.09	21.16
5	16QAM	1	24	21.09	21.14	21.25
5	16QAM	12	0	20.18	20.16	20.21
5	16QAM	12	7	20.07	20.16	20.04
5	16QAM	12	13	20.09	20.21	20.18
5	16QAM	25	0	20.16	20.12	20.08
5	64QAM	1	0	20.26	20.30	20.27
5	64QAM	1	12	20.21	20.17	20.13
5	64QAM	1	24	20.30	20.39	20.17
5	64QAM	12	0	19.17	19.21	19.25
5	64QAM	12	7	19.17	19.15	19.20
5	64QAM	12	13	19.10	19.01	19.32
5	64QAM	25	0	19.10	19.06	19.14



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	22.15	22.35	22.21
3	QPSK	1	8	22.19	22.20	22.18
3	QPSK	1	14	22.16	22.17	22.19
3	QPSK	8	0	21.05	21.34	21.09
3	QPSK	8	4	21.11	21.12	21.02
3	QPSK	8	7	21.09	21.26	21.15
3	QPSK	15	0	21.24	21.18	21.41
3	16QAM	1	0	21.11	21.30	21.13
3	16QAM	1	8	21.20	21.22	21.14
3	16QAM	1	14	21.16	21.10	21.15
3	16QAM	8	0	20.06	20.12	20.33
3	16QAM	8	4	20.06	20.15	20.07
3	16QAM	8	7	20.11	20.10	20.15
3	16QAM	15	0	19.89	20.15	20.05
3	64QAM	1	0	20.10	20.17	20.16
3	64QAM	1	8	20.10	20.02	19.86
3	64QAM	1	14	20.17	20.33	20.33
3	64QAM	8	0	19.11	19.10	19.25
3	64QAM	8	4	19.16	19.09	19.09
3	64QAM	8	7	19.05	19.18	19.16
3	64QAM	15	0	18.92	19.07	18.99



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	22.32	22.36	22.16
1.4	QPSK	1	3	22.27	22.22	22.24
1.4	QPSK	1	5	22.15	22.23	22.12
1.4	QPSK	3	0	21.16	21.20	21.25
1.4	QPSK	3	1	21.18	21.14	21.13
1.4	QPSK	3	3	21.16	21.06	21.10
1.4	QPSK	6	0	21.15	21.07	21.42
1.4	16QAM	1	0	21.15	21.15	21.18
1.4	16QAM	1	3	21.09	21.10	21.05
1.4	16QAM	1	5	21.11	21.06	21.14
1.4	16QAM	3	0	20.11	20.12	20.17
1.4	16QAM	3	1	20.10	20.19	20.14
1.4	16QAM	3	3	20.16	20.16	20.20
1.4	16QAM	6	0	20.11	20.16	20.15
1.4	64QAM	1	0	20.28	20.21	20.20
1.4	64QAM	1	3	20.11	20.08	20.14
1.4	64QAM	1	5	20.21	20.32	20.33
1.4	64QAM	3	0	19.17	19.20	19.15
1.4	64QAM	3	1	19.11	19.06	19.21
1.4	64QAM	3	3	19.19	19.11	19.38
1.4	64QAM	6	0	19.08	19.21	19.18



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20450	20525	20600
Frequency (MHz)				829	836.5	844
10	QPSK	1	0	23.50	23.54	23.43
10	QPSK	1	25	23.37	23.33	23.41
10	QPSK	1	49	23.30	23.47	23.34
10	QPSK	25	0	22.35	22.56	22.39
10	QPSK	25	12	22.26	22.39	22.36
10	QPSK	25	25	22.37	22.31	22.32
10	QPSK	50	0	22.33	22.34	22.36
10	16QAM	1	0	22.50	22.46	22.34
10	16QAM	1	25	22.42	22.38	22.37
10	16QAM	1	49	22.52	22.45	22.30
10	16QAM	25	0	21.41	21.46	21.25
10	16QAM	25	12	21.39	21.36	21.47
10	16QAM	25	25	21.36	21.33	21.31
10	16QAM	50	0	21.39	21.32	21.24
10	64QAM	1	0	21.30	21.35	21.48
10	64QAM	1	25	21.28	21.32	21.39
10	64QAM	1	49	21.25	21.44	21.33
10	64QAM	25	0	20.47	20.50	20.28
10	64QAM	25	12	20.42	20.25	20.34
10	64QAM	25	25	20.36	20.22	20.55
10	64QAM	50	0	20.45	20.30	20.36



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	23.44	23.51	23.29
5	QPSK	1	12	23.49	23.35	23.35
5	QPSK	1	24	23.37	23.47	23.31
5	QPSK	12	0	22.48	22.38	22.33
5	QPSK	12	7	22.29	22.29	22.40
5	QPSK	12	13	22.36	22.44	22.27
5	QPSK	25	0	22.33	22.43	22.50
5	16QAM	1	0	22.29	22.46	22.29
5	16QAM	1	12	22.39	22.31	22.23
5	16QAM	1	24	22.31	22.38	22.22
5	16QAM	12	0	21.35	21.31	21.28
5	16QAM	12	7	21.30	21.39	21.30
5	16QAM	12	13	21.30	21.27	21.23
5	16QAM	25	0	21.22	21.29	21.35
5	64QAM	1	0	21.38	21.38	21.50
5	64QAM	1	12	21.27	21.34	21.35
5	64QAM	1	24	21.51	21.47	21.23
5	64QAM	12	0	20.31	20.25	20.40
5	64QAM	12	7	20.32	20.35	20.35
5	64QAM	12	13	20.31	20.34	20.33
5	64QAM	25	0	20.29	20.37	20.36



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	23.36	23.52	23.40
3	QPSK	1	8	23.29	23.30	23.36
3	QPSK	1	14	23.43	23.33	23.32
3	QPSK	8	0	22.33	22.54	22.28
3	QPSK	8	4	22.39	22.38	22.26
3	QPSK	8	7	22.28	22.28	22.35
3	QPSK	15	0	22.30	22.32	22.49
3	16QAM	1	0	22.29	22.41	22.26
3	16QAM	1	8	22.37	22.29	22.29
3	16QAM	1	14	22.11	22.33	22.30
3	16QAM	8	0	21.33	21.45	21.49
3	16QAM	8	4	21.27	21.33	21.29
3	16QAM	8	7	21.40	21.22	21.21
3	16QAM	15	0	21.28	21.27	21.33
3	64QAM	1	0	21.35	21.31	21.34
3	64QAM	1	8	21.36	21.25	21.34
3	64QAM	1	14	21.33	21.56	21.26
3	64QAM	8	0	20.37	20.48	20.28
3	64QAM	8	4	20.43	20.41	20.42
3	64QAM	8	7	20.36	20.33	20.56
3	64QAM	15	0	20.29	20.29	20.31



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	23.43	23.49	23.38
1.4	QPSK	1	3	23.34	23.43	23.36
1.4	QPSK	1	5	23.29	23.45	23.30
1.4	QPSK	3	0	22.29	22.54	22.36
1.4	QPSK	3	1	22.36	22.28	22.44
1.4	QPSK	3	3	22.37	22.37	22.39
1.4	QPSK	6	0	22.36	22.33	22.59
1.4	16QAM	1	0	22.39	22.34	22.34
1.4	16QAM	1	3	22.30	22.33	22.48
1.4	16QAM	1	5	22.36	22.40	22.39
1.4	16QAM	3	0	21.26	21.30	21.49
1.4	16QAM	3	1	21.28	21.24	21.30
1.4	16QAM	3	3	21.24	21.35	21.29
1.4	16QAM	6	0	21.25	21.23	21.14
1.4	64QAM	1	0	21.24	21.16	21.25
1.4	64QAM	1	3	21.20	21.35	21.23
1.4	64QAM	1	5	21.39	21.49	21.41
1.4	64QAM	3	0	20.36	20.40	20.27
1.4	64QAM	3	1	20.29	20.49	20.38
1.4	64QAM	3	3	20.36	20.35	20.36
1.4	64QAM	6	0	20.32	20.27	20.36



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	22.11	22.30	22.23
20	QPSK	1	49	22.12	22.15	22.14
20	QPSK	1	99	22.17	22.14	22.08
20	QPSK	50	0	21.26	21.37	21.29
20	QPSK	50	24	21.14	21.10	21.19
20	QPSK	50	50	21.05	21.27	21.11
20	QPSK	100	0	21.19	21.19	21.22
20	16QAM	1	0	21.09	21.23	21.13
20	16QAM	1	49	21.10	21.12	21.18
20	16QAM	1	99	21.04	21.09	21.15
20	16QAM	50	0	20.20	20.17	20.14
20	16QAM	50	24	20.16	20.13	20.16
20	16QAM	50	50	20.09	20.09	20.20
20	16QAM	100	0	20.20	20.10	20.14
20	64QAM	1	0	20.11	20.19	20.15
20	64QAM	1	49	20.23	20.13	20.11
20	64QAM	1	99	20.22	20.34	20.23
20	64QAM	50	0	19.24	19.30	19.22
20	64QAM	50	24	19.27	19.19	19.23
20	64QAM	50	50	19.19	19.14	19.13
20	64QAM	100	0	19.02	19.07	19.22



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	22.21	22.28	22.23
15	QPSK	1	37	22.26	22.19	22.11
15	QPSK	1	74	22.06	22.09	22.05
15	QPSK	36	0	21.10	21.33	21.11
15	QPSK	36	20	21.10	21.17	21.24
15	QPSK	36	39	21.16	21.08	21.11
15	QPSK	75	0	21.11	21.27	21.21
15	16QAM	1	0	21.23	21.25	21.31
15	16QAM	1	37	21.14	21.13	21.11
15	16QAM	1	74	21.22	21.17	21.13
15	16QAM	36	0	20.06	20.07	20.12
15	16QAM	36	20	20.18	20.05	20.02
15	16QAM	36	39	20.20	20.21	20.11
15	16QAM	75	0	20.11	20.14	20.11
15	64QAM	1	0	20.27	20.25	20.16
15	64QAM	1	37	20.13	20.08	20.09
15	64QAM	1	74	20.15	20.23	20.11
15	64QAM	36	0	19.27	19.20	19.25
15	64QAM	36	20	19.11	19.14	19.13
15	64QAM	36	39	19.20	19.15	19.26
15	64QAM	75	0	19.09	19.14	19.21



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	22.24	22.25	22.14
10	QPSK	1	25	22.14	22.14	22.17
10	QPSK	1	49	22.20	22.16	22.17
10	QPSK	25	0	21.08	21.35	21.04
10	QPSK	25	12	21.12	21.10	21.01
10	QPSK	25	25	21.04	21.19	21.16
10	QPSK	50	0	21.16	21.23	21.45
10	16QAM	1	0	20.92	21.25	21.19
10	16QAM	1	25	21.16	21.17	21.11
10	16QAM	1	49	21.16	21.12	21.13
10	16QAM	25	0	20.20	20.25	20.17
10	16QAM	25	12	20.16	20.18	20.10
10	16QAM	25	25	20.13	20.19	20.24
10	16QAM	50	0	20.22	20.16	20.13
10	64QAM	1	0	20.08	20.04	20.14
10	64QAM	1	25	20.11	20.20	20.13
10	64QAM	1	49	20.26	20.25	20.33
10	64QAM	25	0	19.22	19.25	19.15
10	64QAM	25	12	19.18	19.29	19.25
10	64QAM	25	25	19.20	19.19	19.21
10	64QAM	50	0	19.23	19.20	19.22



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	22.28	22.28	22.14
5	QPSK	1	12	22.17	22.22	22.14
5	QPSK	1	24	22.10	22.16	22.09
5	QPSK	12	0	21.27	21.33	21.24
5	QPSK	12	7	21.15	21.19	21.09
5	QPSK	12	13	21.12	21.27	21.16
5	QPSK	25	0	21.19	21.19	21.21
5	16QAM	1	0	21.20	21.31	21.11
5	16QAM	1	12	21.05	20.92	21.07
5	16QAM	1	24	21.17	21.19	21.16
5	16QAM	12	0	20.27	20.23	20.17
5	16QAM	12	7	20.26	20.21	20.08
5	16QAM	12	13	20.19	20.13	20.15
5	16QAM	25	0	20.16	20.09	20.06
5	64QAM	1	0	20.28	20.19	20.26
5	64QAM	1	12	20.11	20.12	20.09
5	64QAM	1	24	20.16	20.26	20.32
5	64QAM	12	0	19.11	19.02	19.25
5	64QAM	12	7	19.16	19.05	19.19
5	64QAM	12	13	19.13	19.13	19.17
5	64QAM	25	0	19.01	19.08	19.11



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				/	23230	/
Frequency (MHz)				/	782	/
10	QPSK	1	0	/	23.35	/
10	QPSK	1	25	/	23.19	/
10	QPSK	1	49	/	23.11	/
10	QPSK	25	0	/	22.36	/
10	QPSK	25	12	/	22.28	/
10	QPSK	25	25	/	22.22	/
10	QPSK	50	0	/	22.30	/
10	16QAM	1	0	/	22.25	/
10	16QAM	1	25	/	22.13	/
10	16QAM	1	49	/	22.16	/
10	16QAM	25	0	/	21.42	/
10	16QAM	25	12	/	21.27	/
10	16QAM	25	25	/	21.34	/
10	16QAM	50	0	/	21.30	/
10	64QAM	1	0	/	21.33	/
10	64QAM	1	25	/	21.29	/
10	64QAM	1	49	/	21.20	/
10	64QAM	25	0	/	20.37	/
10	64QAM	25	12	/	20.26	/
10	64QAM	25	25	/	20.31	/
10	64QAM	50	0	/	20.25	/



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	23.25	23.31	23.06
5	QPSK	1	12	23.30	23.27	23.15
5	QPSK	1	24	23.18	23.20	23.05
5	QPSK	12	0	22.38	22.43	22.38
5	QPSK	12	7	22.17	22.27	22.12
5	QPSK	12	13	22.26	22.35	22.18
5	QPSK	25	0	22.16	22.16	22.15
5	16QAM	1	0	22.07	22.42	22.04
5	16QAM	1	12	22.24	22.29	22.25
5	16QAM	1	24	22.16	22.24	22.06
5	16QAM	12	0	21.20	21.17	21.23
5	16QAM	12	7	21.02	21.26	20.98
5	16QAM	12	13	21.26	21.09	21.09
5	16QAM	25	0	21.05	21.07	21.07
5	64QAM	1	0	21.28	21.30	21.39
5	64QAM	1	12	21.24	21.13	21.06
5	64QAM	1	24	21.31	21.28	21.29
5	64QAM	12	0	20.28	20.19	20.20
5	64QAM	12	7	20.27	20.28	20.18
5	64QAM	12	13	20.17	20.16	20.39
5	64QAM	25	0	20.18	20.20	20.31



LTE Band 38						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				37850	38000	38150
Frequency (MHz)				2580	2595	2610
20	QPSK	1	0	22.72	22.80	22.74
20	QPSK	1	49	22.60	22.77	22.52
20	QPSK	1	99	22.76	22.72	22.66
20	QPSK	50	0	21.81	21.83	21.80
20	QPSK	50	24	21.67	21.65	21.54
20	QPSK	50	50	21.66	21.74	21.55
20	QPSK	100	0	21.79	21.62	21.78
20	16QAM	1	0	21.75	21.82	21.60
20	16QAM	1	49	21.58	21.75	21.57
20	16QAM	1	99	21.72	21.62	21.54
20	16QAM	50	0	20.67	20.60	20.73
20	16QAM	50	24	20.49	20.69	20.63
20	16QAM	50	50	20.67	20.59	20.77
20	16QAM	100	0	20.68	20.79	20.53
20	64QAM	1	0	20.64	20.67	20.85
20	64QAM	1	49	20.62	20.57	20.70
20	64QAM	1	99	20.85	20.81	20.87
20	64QAM	50	0	19.66	19.59	19.75
20	64QAM	50	24	19.75	19.82	19.69
20	64QAM	50	50	19.70	19.79	19.84
20	64QAM	100	0	19.56	19.65	19.52



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	22.65	22.76	22.62
15	QPSK	1	37	22.75	22.67	22.52
15	QPSK	1	74	22.60	22.62	22.58
15	QPSK	36	0	21.73	21.89	21.66
15	QPSK	36	20	21.69	21.76	21.83
15	QPSK	36	39	21.72	21.87	21.74
15	QPSK	75	0	21.82	21.72	21.83
15	16QAM	1	0	21.62	21.76	21.57
15	16QAM	1	37	21.49	21.64	21.76
15	16QAM	1	74	21.56	21.73	21.59
15	16QAM	36	0	20.63	20.53	20.78
15	16QAM	36	20	20.68	20.69	20.54
15	16QAM	36	39	20.78	20.83	20.52
15	16QAM	75	0	20.46	20.70	20.51
15	64QAM	1	0	20.68	20.64	20.83
15	64QAM	1	37	20.55	20.66	20.46
15	64QAM	1	74	20.76	20.78	20.65
15	64QAM	36	0	19.58	19.60	19.69
15	64QAM	36	20	19.66	19.66	19.68
15	64QAM	36	39	19.82	19.81	19.75
15	64QAM	75	0	19.50	19.49	19.75



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	22.68	22.78	22.59
10	QPSK	1	25	22.60	22.77	22.70
10	QPSK	1	49	22.59	22.66	22.47
10	QPSK	25	0	21.84	21.71	21.79
10	QPSK	25	12	21.76	21.57	21.73
10	QPSK	25	25	21.84	21.77	21.75
10	QPSK	50	0	21.65	21.92	21.86
10	16QAM	1	0	21.73	21.84	21.66
10	16QAM	1	25	21.68	21.78	21.46
10	16QAM	1	49	21.56	21.81	21.74
10	16QAM	25	0	20.68	20.69	20.68
10	16QAM	25	12	20.53	20.51	20.57
10	16QAM	25	25	20.67	20.80	20.54
10	16QAM	50	0	20.59	20.72	20.48
10	64QAM	1	0	20.73	20.85	20.92
10	64QAM	1	25	20.54	20.76	20.74
10	64QAM	1	49	20.68	20.97	20.90
10	64QAM	25	0	19.88	19.52	19.83
10	64QAM	25	12	19.75	19.67	19.79
10	64QAM	25	25	19.58	19.72	19.96
10	64QAM	50	0	19.51	19.64	19.63



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	22.69	22.77	22.73
5	QPSK	1	12	22.72	22.68	22.61
5	QPSK	1	24	22.64	22.70	22.55
5	QPSK	12	0	21.72	21.83	21.61
5	QPSK	12	7	21.67	21.71	21.70
5	QPSK	12	13	21.82	21.67	21.76
5	QPSK	25	0	21.71	21.84	21.90
5	16QAM	1	0	21.50	21.92	21.61
5	16QAM	1	12	21.50	21.78	21.61
5	16QAM	1	24	21.57	21.77	21.69
5	16QAM	12	0	20.66	20.72	20.82
5	16QAM	12	7	20.67	20.78	20.53
5	16QAM	12	13	20.80	20.80	20.55
5	16QAM	25	0	20.64	20.70	20.49
5	64QAM	1	0	20.76	20.83	20.66
5	64QAM	1	12	20.51	20.64	20.64
5	64QAM	1	24	20.80	20.77	20.83
5	64QAM	12	0	19.68	19.67	19.61
5	64QAM	12	7	19.73	19.67	19.85
5	64QAM	12	13	19.69	19.73	19.80
5	64QAM	25	0	19.53	19.71	19.68



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	/	22.75	/
10	QPSK	1	25	/	22.69	/
10	QPSK	1	49	/	22.70	/
10	QPSK	25	0	/	21.77	/
10	QPSK	25	12	/	21.82	/
10	QPSK	25	25	/	21.66	/
10	QPSK	50	0	/	21.71	/
10	16QAM	1	0	/	21.69	/
10	16QAM	1	25	/	21.67	/
10	16QAM	1	49	/	21.59	/
10	16QAM	25	0	/	20.76	/
10	16QAM	25	12	/	20.58	/
10	16QAM	25	25	/	20.63	/
10	16QAM	50	0	/	20.68	/
10	64QAM	1	0	/	20.72	/
10	64QAM	1	25	/	20.76	/
10	64QAM	1	49	/	20.61	/
10	64QAM	25	0	/	19.81	/
10	64QAM	25	12	/	19.75	/
10	64QAM	25	25	/	19.66	/
10	64QAM	50	0	/	19.70	/



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	22.63	22.73	22.65
5	QPSK	1	12	22.68	22.71	22.70
5	QPSK	1	24	22.62	22.71	22.56
5	QPSK	12	0	21.60	22.00	21.86
5	QPSK	12	7	21.77	21.69	21.55
5	QPSK	12	13	21.66	21.63	21.69
5	QPSK	25	0	21.60	21.80	21.85
5	16QAM	1	0	21.45	21.68	21.50
5	16QAM	1	12	21.54	21.72	21.58
5	16QAM	1	24	21.57	21.74	21.66
5	16QAM	12	0	20.86	20.62	20.80
5	16QAM	12	7	20.48	20.79	20.66
5	16QAM	12	13	20.72	20.60	20.82
5	16QAM	25	0	20.53	20.80	20.57
5	64QAM	1	0	20.65	20.64	20.84
5	64QAM	1	12	20.57	20.69	20.73
5	64QAM	1	24	20.78	20.99	20.68
5	64QAM	12	0	19.67	19.65	19.77
5	64QAM	12	7	19.62	19.74	19.67
5	64QAM	12	13	19.68	19.62	19.76
5	64QAM	25	0	19.75	19.77	19.78



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	/	22.79	/
10	QPSK	1	25	/	22.58	/
10	QPSK	1	49	/	22.71	/
10	QPSK	25	0	/	21.84	/
10	QPSK	25	12	/	21.69	/
10	QPSK	25	25	/	21.72	/
10	QPSK	50	0	/	21.75	/
10	16QAM	1	0	/	21.66	/
10	16QAM	1	25	/	21.71	/
10	16QAM	1	49	/	21.60	/
10	16QAM	25	0	/	20.86	/
10	16QAM	25	12	/	20.79	/
10	16QAM	25	25	/	20.75	/
10	16QAM	50	0	/	20.78	/
10	64QAM	1	0	/	20.63	/
10	64QAM	1	25	/	20.59	/
10	64QAM	1	49	/	20.65	/
10	64QAM	25	0	/	19.77	/
10	64QAM	25	12	/	19.69	/
10	64QAM	25	25	/	19.61	/
10	64QAM	50	0	/	19.74	/



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	22.67	22.75	22.64
5	QPSK	1	12	22.61	22.73	22.71
5	QPSK	1	24	22.70	22.66	22.73
5	QPSK	12	0	21.78	21.97	21.69
5	QPSK	12	7	21.58	21.53	21.54
5	QPSK	12	13	21.70	21.60	21.51
5	QPSK	25	0	21.77	21.62	21.94
5	16QAM	1	0	21.60	21.62	21.55
5	16QAM	1	12	21.50	21.66	21.63
5	16QAM	1	24	21.48	21.81	21.45
5	16QAM	12	0	20.65	20.62	20.65
5	16QAM	12	7	20.40	20.55	20.59
5	16QAM	12	13	20.66	20.73	20.58
5	16QAM	25	0	20.66	20.76	20.48
5	64QAM	1	0	20.82	20.59	20.70
5	64QAM	1	12	20.59	20.61	20.60
5	64QAM	1	24	20.92	20.90	20.79
5	64QAM	12	0	19.77	19.58	19.71
5	64QAM	12	7	19.61	19.67	19.80
5	64QAM	12	13	19.72	19.80	19.88
5	64QAM	25	0	19.50	19.47	19.54



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	22.64	22.86	22.76
20	QPSK	1	49	22.69	22.73	22.57
20	QPSK	1	99	22.61	22.67	22.58
20	QPSK	50	0	21.81	21.90	21.74
20	QPSK	50	24	21.63	21.72	21.74
20	QPSK	50	50	21.57	21.74	21.75
20	QPSK	100	0	21.67	21.86	22.01
20	16QAM	1	0	21.62	21.75	21.50
20	16QAM	1	49	21.76	21.65	21.71
20	16QAM	1	99	21.75	21.64	21.59
20	16QAM	50	0	20.88	20.65	20.66
20	16QAM	50	24	20.52	20.71	20.57
20	16QAM	50	50	20.73	20.62	20.69
20	16QAM	100	0	20.50	20.45	20.71
20	64QAM	1	0	20.68	20.86	20.84
20	64QAM	1	49	20.54	20.56	20.75
20	64QAM	1	99	20.71	20.67	20.63
20	64QAM	50	0	19.85	19.69	19.61
20	64QAM	50	24	19.63	19.85	19.59
20	64QAM	50	50	19.71	19.80	19.74
20	64QAM	100	0	19.71	19.82	19.62



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	22.63	22.85	22.64
15	QPSK	1	37	22.64	22.65	22.70
15	QPSK	1	74	22.67	22.58	22.60
15	QPSK	36	0	21.78	21.85	21.86
15	QPSK	36	20	21.64	21.61	21.63
15	QPSK	36	39	21.74	21.68	21.75
15	QPSK	75	0	21.73	21.77	21.83
15	16QAM	1	0	21.74	21.70	21.69
15	16QAM	1	37	21.56	21.62	21.73
15	16QAM	1	74	21.76	21.61	21.63
15	16QAM	36	0	20.81	20.73	20.65
15	16QAM	36	20	20.59	20.62	20.47
15	16QAM	36	39	20.75	20.55	20.64
15	16QAM	75	0	20.58	20.69	20.57
15	64QAM	1	0	20.68	20.81	20.70
15	64QAM	1	37	20.56	20.58	20.66
15	64QAM	1	74	20.86	20.63	20.71
15	64QAM	36	0	19.67	19.61	19.82
15	64QAM	36	20	19.58	19.61	19.61
15	64QAM	36	39	19.57	19.78	19.83
15	64QAM	75	0	19.73	19.80	19.81



LTE Band 41						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				40090	40640	41190
Frequency (MHz)				2540	2595	2650
10	QPSK	1	0	22.61	22.83	22.61
10	QPSK	1	25	22.61	22.77	22.59
10	QPSK	1	49	22.62	22.67	22.51
10	QPSK	25	0	21.62	21.90	21.86
10	QPSK	25	12	21.52	21.72	21.73
10	QPSK	25	25	21.69	21.52	21.68
10	QPSK	50	0	21.56	21.88	21.66
10	16QAM	1	0	21.65	21.68	21.53
10	16QAM	1	25	21.57	21.70	21.73
10	16QAM	1	49	21.49	21.67	21.50
10	16QAM	25	0	20.63	20.65	20.83
10	16QAM	25	12	20.64	20.70	20.76
10	16QAM	25	25	20.60	20.73	20.67
10	16QAM	50	0	20.50	20.49	20.69
10	64QAM	1	0	20.82	20.78	20.93
10	64QAM	1	25	20.60	20.67	20.74
10	64QAM	1	49	20.71	20.92	20.72
10	64QAM	25	0	19.86	19.67	19.59
10	64QAM	25	12	19.80	19.74	19.80
10	64QAM	25	25	19.59	19.91	19.80
10	64QAM	50	0	19.73	19.61	19.52



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	22.78	22.80	22.71
5	QPSK	1	12	22.64	22.62	22.75
5	QPSK	1	24	22.57	22.58	22.64
5	QPSK	12	0	21.85	21.76	21.86
5	QPSK	12	7	21.56	21.63	21.79
5	QPSK	12	13	21.58	21.74	21.80
5	QPSK	25	0	21.56	21.97	21.63
5	16QAM	1	0	21.66	21.72	21.65
5	16QAM	1	12	21.59	21.57	21.52
5	16QAM	1	24	21.53	21.47	21.71
5	16QAM	12	0	20.75	20.64	20.75
5	16QAM	12	7	20.66	20.74	20.55
5	16QAM	12	13	20.73	20.56	20.81
5	16QAM	25	0	20.52	20.71	20.68
5	64QAM	1	0	20.89	20.84	20.70
5	64QAM	1	12	20.70	20.74	20.76
5	64QAM	1	24	20.80	20.93	20.75
5	64QAM	12	0	19.63	19.63	19.78
5	64QAM	12	7	19.59	19.55	19.76
5	64QAM	12	13	19.64	19.60	19.89
5	64QAM	25	0	19.59	19.82	19.58



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132072	132322	132572
Frequency (MHz)				1720	1745	1770
20	QPSK	1	0	22.17	22.44	22.11
20	QPSK	1	49	22.11	22.38	22.15
20	QPSK	1	99	22.06	22.09	22.16
20	QPSK	50	0	21.08	21.38	21.36
20	QPSK	50	24	21.13	21.16	21.32
20	QPSK	50	50	21.11	21.13	21.16
20	QPSK	100	0	21.15	21.30	21.34
20	16QAM	1	0	21.15	21.26	21.07
20	16QAM	1	49	21.13	21.30	21.14
20	16QAM	1	99	21.20	21.11	21.07
20	16QAM	50	0	20.29	20.05	20.26
20	16QAM	50	24	20.04	20.08	20.07
20	16QAM	50	50	20.03	20.34	20.03
20	16QAM	100	0	20.02	20.06	20.05
20	64QAM	1	0	20.39	20.31	20.20
20	64QAM	1	49	20.20	20.26	20.20
20	64QAM	1	99	20.36	20.41	20.43
20	64QAM	50	0	19.36	19.00	19.14
20	64QAM	50	24	19.31	19.09	19.30
20	64QAM	50	50	19.19	19.30	19.27
20	64QAM	100	0	19.11	19.10	19.23



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132047	132322	132597
Frequency (MHz)				1717.5	1745	1772.5
15	QPSK	1	0	22.38	22.42	22.29
15	QPSK	1	37	22.22	22.22	22.18
15	QPSK	1	74	22.12	22.32	22.26
15	QPSK	36	0	21.28	21.43	21.19
15	QPSK	36	20	21.23	21.21	21.08
15	QPSK	36	39	21.19	21.30	21.23
15	QPSK	75	0	21.25	21.12	21.23
15	16QAM	1	0	21.20	21.27	21.08
15	16QAM	1	37	21.16	21.13	21.21
15	16QAM	1	74	21.09	21.30	21.18
15	16QAM	36	0	20.34	20.18	20.33
15	16QAM	36	20	20.22	20.28	20.17
15	16QAM	36	39	20.27	20.28	20.09
15	16QAM	75	0	20.05	20.04	20.06
15	64QAM	1	0	20.14	20.25	20.43
15	64QAM	1	37	20.16	20.17	20.21
15	64QAM	1	74	20.27	20.26	20.28
15	64QAM	36	0	19.17	19.16	19.27
15	64QAM	36	20	19.26	19.34	19.11
15	64QAM	36	39	19.28	19.27	19.28
15	64QAM	75	0	19.07	19.18	19.19



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132022	132322	132622
Frequency (MHz)				1715	1745	1775
10	QPSK	1	0	22.30	22.39	22.14
10	QPSK	1	25	22.28	22.34	22.21
10	QPSK	1	49	22.30	22.17	22.05
10	QPSK	25	0	21.32	21.44	21.35
10	QPSK	25	12	21.09	21.03	21.32
10	QPSK	25	25	21.06	21.13	21.08
10	QPSK	50	0	21.34	21.17	21.26
10	16QAM	1	0	21.18	21.37	21.10
10	16QAM	1	25	21.12	21.04	21.20
10	16QAM	1	49	21.21	21.02	21.09
10	16QAM	25	0	20.20	20.26	20.16
10	16QAM	25	12	20.10	20.20	20.17
10	16QAM	25	25	20.21	20.15	20.10
10	16QAM	50	0	20.18	20.12	20.00
10	64QAM	1	0	20.30	20.32	20.21
10	64QAM	1	25	20.14	20.06	20.14
10	64QAM	1	49	20.34	20.36	20.20
10	64QAM	25	0	19.37	19.15	19.32
10	64QAM	25	12	19.32	19.19	19.09
10	64QAM	25	25	19.04	19.22	19.32
10	64QAM	50	0	19.05	19.06	19.08



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				131997	132322	132647
Frequency (MHz)				1712.5	1745	1777.5
5	QPSK	1	0	22.30	22.38	22.25
5	QPSK	1	12	22.11	22.15	22.29
5	QPSK	1	24	22.32	22.11	22.10
5	QPSK	12	0	21.21	21.39	21.13
5	QPSK	12	7	21.18	21.26	21.34
5	QPSK	12	13	21.36	21.19	21.06
5	QPSK	25	0	21.07	21.35	21.25
5	16QAM	1	0	20.96	21.23	21.22
5	16QAM	1	12	21.18	21.09	21.08
5	16QAM	1	24	21.15	21.04	20.99
5	16QAM	12	0	20.36	20.32	20.38
5	16QAM	12	7	20.17	20.15	20.04
5	16QAM	12	13	20.26	20.25	20.18
5	16QAM	25	0	20.13	20.21	20.13
5	64QAM	1	0	20.15	20.06	20.43
5	64QAM	1	12	20.17	20.24	20.19
5	64QAM	1	24	20.34	20.34	20.28
5	64QAM	12	0	19.38	19.12	19.07
5	64QAM	12	7	19.37	19.18	19.20
5	64QAM	12	13	19.17	19.22	19.22
5	64QAM	25	0	19.06	19.02	19.21



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				131987	132322	132657
Frequency (MHz)				1711.5	1745	1778.5
3	QPSK	1	0	22.16	22.37	22.23
3	QPSK	1	8	22.25	22.20	22.14
3	QPSK	1	14	22.06	22.28	22.09
3	QPSK	8	0	21.12	21.26	21.31
3	QPSK	8	4	21.17	21.05	21.33
3	QPSK	8	7	21.08	21.28	21.25
3	QPSK	15	0	21.27	21.34	21.22
3	16QAM	1	0	21.24	21.13	21.10
3	16QAM	1	8	21.19	21.05	21.06
3	16QAM	1	14	21.18	21.28	21.15
3	16QAM	8	0	20.34	20.13	20.19
3	16QAM	8	4	20.14	20.01	20.25
3	16QAM	8	7	20.18	20.31	20.08
3	16QAM	15	0	20.08	20.23	20.00
3	64QAM	1	0	20.28	20.17	20.23
3	64QAM	1	8	20.07	20.23	20.01
3	64QAM	1	14	20.17	20.27	20.19
3	64QAM	8	0	19.27	19.16	19.10
3	64QAM	8	4	19.24	19.30	19.08
3	64QAM	8	7	19.08	19.08	19.32
3	64QAM	15	0	19.03	19.20	19.32



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	22.23	22.35	22.15
1.4	QPSK	1	3	22.32	22.15	22.03
1.4	QPSK	1	5	22.20	22.09	22.04
1.4	QPSK	3	0	21.25	21.37	21.37
1.4	QPSK	3	1	21.25	21.25	21.11
1.4	QPSK	3	3	21.35	21.11	21.16
1.4	QPSK	6	0	21.31	21.35	21.26
1.4	16QAM	1	0	21.18	21.23	21.28
1.4	16QAM	1	3	20.97	21.04	21.21
1.4	16QAM	1	5	21.16	21.08	21.22
1.4	16QAM	3	0	20.21	20.31	20.39
1.4	16QAM	3	1	20.08	20.17	20.21
1.4	16QAM	3	3	20.16	20.24	20.03
1.4	16QAM	6	0	20.13	20.16	20.11
1.4	64QAM	1	0	20.22	20.28	20.33
1.4	64QAM	1	3	20.07	20.07	20.03
1.4	64QAM	1	5	20.31	20.23	20.37
1.4	64QAM	3	0	19.34	19.16	19.09
1.4	64QAM	3	1	19.37	19.23	19.31
1.4	64QAM	3	3	19.15	19.08	19.32
1.4	64QAM	6	0	19.24	19.17	19.28



Effective Radiated Power and Effective Isotropic Radiated Power:

Top Antenna

LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18700		18900		19100	
Frequency (MHz)				1860		1880		1900	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	21.18	0.131	21.23	0.133	21.09	0.129
20	QPSK	1	49	21.15	0.130	21.15	0.130	21.07	0.128
20	QPSK	1	99	21.08	0.128	21.13	0.130	21.02	0.126
20	QPSK	50	0	20.13	0.103	20.25	0.106	20.15	0.104
20	QPSK	50	24	20.02	0.100	20.02	0.100	20.09	0.102
20	QPSK	50	50	20.11	0.103	20.12	0.103	20.05	0.101
20	QPSK	100	0	20.10	0.102	20.17	0.104	20.11	0.103
20	16QAM	1	0	20.00	0.100	20.17	0.104	20.04	0.101
20	16QAM	1	49	20.02	0.100	20.07	0.102	20.01	0.100
20	16QAM	1	99	20.01	0.100	20.06	0.101	19.99	0.100
20	16QAM	50	0	19.14	0.082	19.07	0.081	19.18	0.083
20	16QAM	50	24	18.94	0.078	19.04	0.080	19.02	0.080
20	16QAM	50	50	19.05	0.080	19.10	0.081	19.07	0.081
20	16QAM	100	0	18.96	0.079	19.06	0.081	18.96	0.079
20	64QAM	1	0	19.15	0.082	19.11	0.081	19.18	0.083
20	64QAM	1	49	18.95	0.079	19.02	0.080	19.01	0.080
20	64QAM	1	99	19.18	0.083	19.28	0.085	19.18	0.083
20	64QAM	50	0	18.13	0.065	17.95	0.062	18.10	0.065
20	64QAM	50	24	18.12	0.065	18.14	0.065	18.10	0.065
20	64QAM	50	50	18.08	0.064	18.06	0.064	18.28	0.067
20	64QAM	100	0	18.00	0.063	18.02	0.063	18.07	0.064



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18675		18900		19125	
Frequency (MHz)				1857.5		1880		1902.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	21.08	0.128	21.20	0.132	20.94	0.124
15	QPSK	1	37	21.13	0.130	21.06	0.128	20.99	0.126
15	QPSK	1	74	21.16	0.131	21.19	0.132	20.96	0.125
15	QPSK	36	0	20.03	0.101	20.12	0.103	20.06	0.101
15	QPSK	36	20	19.95	0.099	20.12	0.103	20.09	0.102
15	QPSK	36	39	20.02	0.100	20.14	0.103	19.97	0.099
15	QPSK	75	0	20.09	0.102	20.03	0.101	20.06	0.101
15	16QAM	1	0	20.11	0.103	20.27	0.106	20.17	0.104
15	16QAM	1	37	20.04	0.101	20.11	0.103	19.91	0.098
15	16QAM	1	74	20.04	0.101	20.17	0.104	19.97	0.099
15	16QAM	36	0	19.19	0.083	19.00	0.079	19.10	0.081
15	16QAM	36	20	18.90	0.078	18.91	0.078	19.09	0.081
15	16QAM	36	39	19.13	0.082	19.17	0.083	18.92	0.078
15	16QAM	75	0	19.05	0.080	19.02	0.080	19.02	0.080
15	64QAM	1	0	19.09	0.081	19.13	0.082	19.24	0.084
15	64QAM	1	37	19.11	0.081	18.92	0.078	18.98	0.079
15	64QAM	1	74	19.27	0.085	19.28	0.085	19.13	0.082
15	64QAM	36	0	18.07	0.064	18.06	0.064	18.21	0.066
15	64QAM	36	20	18.07	0.064	17.99	0.063	18.14	0.065
15	64QAM	36	39	18.13	0.065	18.03	0.064	18.13	0.065
15	64QAM	75	0	18.06	0.064	18.07	0.064	17.99	0.063



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18650		18900		19150	
Frequency (MHz)				1855		1880		1905	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	21.13	0.130	21.22	0.132	21.12	0.129
10	QPSK	1	25	21.02	0.126	21.03	0.127	21.10	0.129
10	QPSK	1	49	21.15	0.130	20.99	0.126	21.13	0.130
10	QPSK	25	0	20.07	0.102	20.20	0.105	20.23	0.105
10	QPSK	25	12	19.95	0.099	19.98	0.100	20.09	0.102
10	QPSK	25	25	20.12	0.103	20.12	0.103	20.10	0.102
10	QPSK	50	0	20.21	0.105	20.17	0.104	20.22	0.105
10	16QAM	1	0	19.90	0.098	20.14	0.103	19.98	0.100
10	16QAM	1	25	20.12	0.103	20.20	0.105	19.91	0.098
10	16QAM	1	49	19.86	0.097	19.96	0.099	20.10	0.102
10	16QAM	25	0	19.12	0.082	18.96	0.079	19.05	0.080
10	16QAM	25	12	18.93	0.078	18.89	0.077	19.09	0.081
10	16QAM	25	25	19.12	0.082	19.15	0.082	19.13	0.082
10	16QAM	50	0	18.82	0.076	19.02	0.080	19.02	0.080
10	64QAM	1	0	19.20	0.083	19.05	0.080	19.02	0.080
10	64QAM	1	25	19.03	0.080	18.97	0.079	19.12	0.082
10	64QAM	1	49	19.06	0.081	19.23	0.084	19.27	0.085
10	64QAM	25	0	18.23	0.067	18.06	0.064	18.22	0.066
10	64QAM	25	12	18.23	0.067	18.16	0.065	18.16	0.065
10	64QAM	25	25	18.23	0.067	18.12	0.065	18.13	0.065
10	64QAM	50	0	18.05	0.064	18.16	0.065	18.13	0.065



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18625		18900		19175	
Frequency (MHz)				1852.5		1880		1907.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	21.15	0.130	21.18	0.131	20.94	0.124
5	QPSK	1	12	21.09	0.129	21.08	0.128	21.15	0.130
5	QPSK	1	24	20.99	0.126	21.16	0.131	21.04	0.127
5	QPSK	12	0	20.05	0.101	20.14	0.103	20.26	0.106
5	QPSK	12	7	19.91	0.098	20.07	0.102	20.04	0.101
5	QPSK	12	13	20.16	0.104	20.00	0.100	20.09	0.102
5	QPSK	25	0	20.21	0.105	20.14	0.103	20.17	0.104
5	16QAM	1	0	19.86	0.097	20.24	0.106	20.11	0.103
5	16QAM	1	12	19.87	0.097	20.22	0.105	19.98	0.100
5	16QAM	1	24	20.02	0.100	20.17	0.104	19.86	0.097
5	16QAM	12	0	19.18	0.083	19.08	0.081	19.24	0.084
5	16QAM	12	7	19.09	0.081	18.99	0.079	19.08	0.081
5	16QAM	12	13	19.18	0.083	19.25	0.084	19.03	0.080
5	16QAM	25	0	18.87	0.077	19.01	0.080	18.91	0.078
5	64QAM	1	0	19.02	0.080	19.19	0.083	19.06	0.081
5	64QAM	1	12	19.03	0.080	19.11	0.081	19.10	0.081
5	64QAM	1	24	19.06	0.081	19.36	0.086	19.23	0.084
5	64QAM	12	0	18.15	0.065	18.10	0.065	18.07	0.064
5	64QAM	12	7	18.19	0.066	18.20	0.066	18.24	0.067
5	64QAM	12	13	18.00	0.063	18.04	0.064	18.37	0.069
5	64QAM	25	0	17.87	0.061	18.16	0.065	18.13	0.065



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18615		18900		19185	
Frequency (MHz)				1851.5		1880		1908.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	21.12	0.129	21.17	0.131	21.03	0.127
3	QPSK	1	8	21.15	0.130	21.20	0.132	20.94	0.124
3	QPSK	1	14	20.95	0.124	21.08	0.128	21.04	0.127
3	QPSK	8	0	20.03	0.101	20.10	0.102	20.06	0.101
3	QPSK	8	4	20.01	0.100	20.01	0.100	19.94	0.099
3	QPSK	8	7	20.07	0.102	20.03	0.101	19.96	0.099
3	QPSK	15	0	20.08	0.102	20.25	0.106	20.13	0.103
3	16QAM	1	0	20.01	0.100	20.20	0.105	20.11	0.103
3	16QAM	1	8	20.07	0.102	20.16	0.104	19.86	0.097
3	16QAM	1	14	19.89	0.097	19.98	0.100	20.14	0.103
3	16QAM	8	0	19.23	0.084	19.15	0.082	19.21	0.083
3	16QAM	8	4	18.98	0.079	18.90	0.078	19.03	0.080
3	16QAM	8	7	19.07	0.081	19.21	0.083	18.94	0.078
3	16QAM	15	0	19.00	0.079	19.21	0.083	18.84	0.077
3	64QAM	1	0	19.22	0.084	18.99	0.079	19.09	0.081
3	64QAM	1	8	18.83	0.076	19.14	0.082	18.96	0.079
3	64QAM	1	14	19.07	0.081	19.22	0.084	19.16	0.082
3	64QAM	8	0	18.25	0.067	18.06	0.064	18.17	0.066
3	64QAM	8	4	18.22	0.066	18.24	0.067	18.24	0.067
3	64QAM	8	7	18.08	0.064	17.94	0.062	18.18	0.066
3	64QAM	15	0	17.94	0.062	18.00	0.063	18.13	0.065



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18607		18900		19193	
Frequency (MHz)				1850.7		1880		1909.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	21.13	0.130	21.20	0.132	21.02	0.126
1.4	QPSK	1	3	21.16	0.131	21.11	0.129	20.97	0.125
1.4	QPSK	1	5	21.20	0.132	21.08	0.128	21.03	0.127
1.4	QPSK	3	0	20.12	0.103	20.13	0.103	20.07	0.102
1.4	QPSK	3	1	20.08	0.102	19.91	0.098	20.18	0.104
1.4	QPSK	3	3	20.11	0.103	20.07	0.102	19.98	0.100
1.4	QPSK	6	0	20.15	0.104	20.19	0.104	20.19	0.104
1.4	16QAM	1	0	19.97	0.099	20.25	0.106	19.93	0.098
1.4	16QAM	1	3	19.87	0.097	20.01	0.100	20.03	0.101
1.4	16QAM	1	5	20.06	0.101	20.18	0.104	20.10	0.102
1.4	16QAM	3	0	19.27	0.085	19.18	0.083	19.11	0.081
1.4	16QAM	3	1	18.95	0.079	18.92	0.078	19.14	0.082
1.4	16QAM	3	3	19.03	0.080	19.09	0.081	19.18	0.083
1.4	16QAM	6	0	19.04	0.080	18.95	0.079	18.96	0.079
1.4	64QAM	1	0	19.07	0.081	19.02	0.080	19.18	0.083
1.4	64QAM	1	3	18.94	0.078	19.00	0.079	19.05	0.080
1.4	64QAM	1	5	19.07	0.081	19.21	0.083	19.26	0.084
1.4	64QAM	3	0	19.11	0.081	18.84	0.077	19.16	0.082
1.4	64QAM	3	1	19.22	0.084	19.08	0.081	19.11	0.081
1.4	64QAM	3	3	19.06	0.081	19.11	0.081	19.29	0.085
1.4	64QAM	6	0	18.10	0.065	18.04	0.064	18.00	0.063



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	20.04	0.101	20.18	0.104	20.05	0.101
20	QPSK	1	49	19.98	0.100	19.98	0.100	19.96	0.099
20	QPSK	1	99	19.95	0.099	19.99	0.100	19.90	0.098
20	QPSK	50	0	19.09	0.081	19.13	0.082	19.08	0.081
20	QPSK	50	24	18.91	0.078	18.96	0.079	18.86	0.077
20	QPSK	50	50	19.02	0.080	18.89	0.077	18.94	0.078
20	QPSK	100	0	18.98	0.079	18.93	0.078	19.05	0.080
20	16QAM	1	0	18.94	0.078	19.06	0.081	18.94	0.078
20	16QAM	1	49	19.02	0.080	18.96	0.079	18.94	0.078
20	16QAM	1	99	18.95	0.079	18.95	0.079	19.00	0.079
20	16QAM	50	0	18.00	0.063	18.09	0.064	18.06	0.064
20	16QAM	50	24	17.91	0.062	17.97	0.063	18.00	0.063
20	16QAM	50	50	17.95	0.062	17.96	0.063	17.92	0.062
20	16QAM	100	0	17.90	0.062	17.94	0.062	17.89	0.062
20	64QAM	1	0	17.93	0.062	17.97	0.063	18.05	0.064
20	64QAM	1	49	17.96	0.063	17.91	0.062	17.98	0.063
20	64QAM	1	99	18.11	0.065	18.18	0.066	17.96	0.063
20	64QAM	50	0	17.05	0.051	17.13	0.052	17.01	0.050
20	64QAM	50	24	17.03	0.050	17.04	0.051	17.09	0.051
20	64QAM	50	50	17.03	0.050	16.93	0.049	17.19	0.052
20	64QAM	100	0	16.97	0.050	16.84	0.048	16.93	0.049



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	19.96	0.099	20.13	0.103	19.99	0.100
15	QPSK	1	37	20.01	0.100	20.09	0.102	20.02	0.100
15	QPSK	1	74	19.95	0.099	19.97	0.099	19.94	0.099
15	QPSK	36	0	18.87	0.077	18.99	0.079	19.00	0.079
15	QPSK	36	20	18.98	0.079	18.88	0.077	18.86	0.077
15	QPSK	36	39	19.06	0.081	18.95	0.079	19.01	0.080
15	QPSK	75	0	18.93	0.078	19.12	0.082	19.05	0.080
15	16QAM	1	0	18.91	0.078	18.92	0.078	19.03	0.080
15	16QAM	1	37	19.01	0.080	18.96	0.079	18.98	0.079
15	16QAM	1	74	18.87	0.077	18.89	0.077	18.94	0.078
15	16QAM	36	0	17.99	0.063	18.02	0.063	18.01	0.063
15	16QAM	36	20	17.92	0.062	17.87	0.061	17.94	0.062
15	16QAM	36	39	17.93	0.062	18.00	0.063	17.90	0.062
15	16QAM	75	0	17.99	0.063	18.03	0.064	18.01	0.063
15	64QAM	1	0	18.06	0.064	18.17	0.066	18.09	0.064
15	64QAM	1	37	17.99	0.063	17.94	0.062	17.96	0.063
15	64QAM	1	74	17.97	0.063	17.98	0.063	17.92	0.062
15	64QAM	36	0	17.04	0.051	17.05	0.051	16.96	0.050
15	64QAM	36	20	17.00	0.050	17.08	0.051	16.94	0.049
15	64QAM	36	39	16.94	0.049	16.95	0.050	17.12	0.052
15	64QAM	75	0	17.05	0.051	16.99	0.050	17.02	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				20000		20175		20350	
Frequency (MHz)				1715		1732.5		1750	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	20.02	0.100	20.16	0.104	20.04	0.101
10	QPSK	1	25	20.08	0.102	20.01	0.100	19.96	0.099
10	QPSK	1	49	19.96	0.099	20.05	0.101	20.03	0.101
10	QPSK	25	0	18.89	0.077	19.08	0.081	19.09	0.081
10	QPSK	25	12	19.02	0.080	18.95	0.079	18.98	0.079
10	QPSK	25	25	18.96	0.079	18.97	0.079	18.99	0.079
10	QPSK	50	0	19.13	0.082	18.98	0.079	19.15	0.082
10	16QAM	1	0	19.00	0.079	18.98	0.079	18.96	0.079
10	16QAM	1	25	18.92	0.078	18.94	0.078	18.98	0.079
10	16QAM	1	49	18.99	0.079	19.01	0.080	19.05	0.080
10	16QAM	25	0	18.07	0.064	18.00	0.063	18.03	0.064
10	16QAM	25	12	17.94	0.062	17.91	0.062	17.91	0.062
10	16QAM	25	25	18.00	0.063	17.95	0.062	17.92	0.062
10	16QAM	50	0	17.90	0.062	17.99	0.063	18.02	0.063
10	64QAM	1	0	18.09	0.064	18.12	0.065	18.09	0.064
10	64QAM	1	25	17.90	0.062	17.96	0.063	18.02	0.063
10	64QAM	1	49	17.87	0.061	18.08	0.064	18.08	0.064
10	64QAM	25	0	17.00	0.050	16.99	0.050	17.10	0.051
10	64QAM	25	12	16.93	0.049	16.95	0.050	16.95	0.050
10	64QAM	25	25	16.99	0.050	17.01	0.050	17.02	0.050
10	64QAM	50	0	17.06	0.051	16.99	0.050	16.98	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				19975		20175		20375	
Frequency (MHz)				1712.5		1732.5		1752.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	20.08	0.102	20.17	0.104	19.92	0.098
5	QPSK	1	12	20.05	0.101	19.94	0.099	20.02	0.100
5	QPSK	1	24	19.95	0.099	19.86	0.097	19.99	0.100
5	QPSK	12	0	18.96	0.079	19.11	0.081	19.01	0.080
5	QPSK	12	7	18.97	0.079	18.94	0.078	18.96	0.079
5	QPSK	12	13	18.88	0.077	18.81	0.076	18.96	0.079
5	QPSK	25	0	18.84	0.077	18.96	0.079	19.21	0.083
5	16QAM	1	0	18.97	0.079	19.08	0.081	18.97	0.079
5	16QAM	1	12	19.01	0.080	18.89	0.077	18.96	0.079
5	16QAM	1	24	18.89	0.077	18.94	0.078	19.05	0.080
5	16QAM	12	0	17.98	0.063	17.96	0.063	18.01	0.063
5	16QAM	12	7	17.87	0.061	17.96	0.063	17.84	0.061
5	16QAM	12	13	17.89	0.062	18.01	0.063	17.98	0.063
5	16QAM	25	0	17.96	0.063	17.92	0.062	17.88	0.061
5	64QAM	1	0	18.06	0.064	18.10	0.065	18.07	0.064
5	64QAM	1	12	18.01	0.063	17.97	0.063	17.93	0.062
5	64QAM	1	24	18.10	0.065	18.19	0.066	17.97	0.063
5	64QAM	12	0	16.97	0.050	17.01	0.050	17.05	0.051
5	64QAM	12	7	16.97	0.050	16.95	0.050	17.00	0.050
5	64QAM	12	13	16.90	0.049	16.81	0.048	17.12	0.052
5	64QAM	25	0	16.90	0.049	16.86	0.049	16.94	0.049



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	19.95	0.099	20.15	0.104	20.01	0.100
3	QPSK	1	8	19.99	0.100	20.00	0.100	19.98	0.100
3	QPSK	1	14	19.96	0.099	19.97	0.099	19.99	0.100
3	QPSK	8	0	18.85	0.077	19.14	0.082	18.89	0.077
3	QPSK	8	4	18.91	0.078	18.92	0.078	18.82	0.076
3	QPSK	8	7	18.89	0.077	19.06	0.081	18.95	0.079
3	QPSK	15	0	19.04	0.080	18.98	0.079	19.21	0.083
3	16QAM	1	0	18.91	0.078	19.10	0.081	18.93	0.078
3	16QAM	1	8	19.00	0.079	19.02	0.080	18.94	0.078
3	16QAM	1	14	18.96	0.079	18.90	0.078	18.95	0.079
3	16QAM	8	0	17.86	0.061	17.92	0.062	18.13	0.065
3	16QAM	8	4	17.86	0.061	17.95	0.062	17.87	0.061
3	16QAM	8	7	17.91	0.062	17.90	0.062	17.95	0.062
3	16QAM	15	0	17.69	0.059	17.95	0.062	17.85	0.061
3	64QAM	1	0	17.90	0.062	17.97	0.063	17.96	0.063
3	64QAM	1	8	17.90	0.062	17.82	0.061	17.66	0.058
3	64QAM	1	14	17.97	0.063	18.13	0.065	18.13	0.065
3	64QAM	8	0	16.91	0.049	16.90	0.049	17.05	0.051
3	64QAM	8	4	16.96	0.050	16.89	0.049	16.89	0.049
3	64QAM	8	7	16.85	0.048	16.98	0.050	16.96	0.050
3	64QAM	15	0	16.72	0.047	16.87	0.049	16.79	0.048



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	20.12	0.103	20.16	0.104	19.96	0.099
1.4	QPSK	1	3	20.07	0.102	20.02	0.100	20.04	0.101
1.4	QPSK	1	5	19.95	0.099	20.03	0.101	19.92	0.098
1.4	QPSK	3	0	18.96	0.079	19.00	0.079	19.05	0.080
1.4	QPSK	3	1	18.98	0.079	18.94	0.078	18.93	0.078
1.4	QPSK	3	3	18.96	0.079	18.86	0.077	18.90	0.078
1.4	QPSK	6	0	18.95	0.079	18.87	0.077	19.22	0.084
1.4	16QAM	1	0	18.95	0.079	18.95	0.079	18.98	0.079
1.4	16QAM	1	3	18.89	0.077	18.90	0.078	18.85	0.077
1.4	16QAM	1	5	18.91	0.078	18.86	0.077	18.94	0.078
1.4	16QAM	3	0	17.91	0.062	17.92	0.062	17.97	0.063
1.4	16QAM	3	1	17.90	0.062	17.99	0.063	17.94	0.062
1.4	16QAM	3	3	17.96	0.063	17.96	0.063	18.00	0.063
1.4	16QAM	6	0	17.91	0.062	17.96	0.063	17.95	0.062
1.4	64QAM	1	0	18.08	0.064	18.01	0.063	18.00	0.063
1.4	64QAM	1	3	17.91	0.062	17.88	0.061	17.94	0.062
1.4	64QAM	1	5	18.01	0.063	18.12	0.065	18.13	0.065
1.4	64QAM	3	0	16.97	0.050	17.00	0.050	16.95	0.050
1.4	64QAM	3	1	16.91	0.049	16.86	0.049	17.01	0.050
1.4	64QAM	3	3	16.99	0.050	16.91	0.049	17.18	0.052
1.4	64QAM	6	0	16.88	0.049	17.01	0.050	16.98	0.050



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20450		20525		20600	
Frequency (MHz)				829		836.5		844	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	19.85	0.097	19.89	0.097	19.78	0.095
10	QPSK	1	25	19.72	0.094	19.68	0.093	19.76	0.095
10	QPSK	1	49	19.65	0.092	19.82	0.096	19.69	0.093
10	QPSK	25	0	18.70	0.074	18.91	0.078	18.74	0.075
10	QPSK	25	12	18.61	0.073	18.74	0.075	18.71	0.074
10	QPSK	25	25	18.72	0.074	18.66	0.073	18.67	0.074
10	QPSK	50	0	18.68	0.074	18.69	0.074	18.71	0.074
10	16QAM	1	0	18.85	0.077	18.81	0.076	18.69	0.074
10	16QAM	1	25	18.77	0.075	18.73	0.075	18.72	0.074
10	16QAM	1	49	18.87	0.077	18.80	0.076	18.65	0.073
10	16QAM	25	0	17.76	0.060	17.81	0.060	17.60	0.058
10	16QAM	25	12	17.74	0.059	17.71	0.059	17.82	0.061
10	16QAM	25	25	17.71	0.059	17.68	0.059	17.66	0.058
10	16QAM	50	0	17.74	0.059	17.67	0.058	17.59	0.057
10	64QAM	1	0	17.65	0.058	17.70	0.059	17.83	0.061
10	64QAM	1	25	17.63	0.058	17.67	0.058	17.74	0.059
10	64QAM	1	49	17.60	0.058	17.79	0.060	17.68	0.059
10	64QAM	25	0	16.82	0.048	16.85	0.048	16.63	0.046
10	64QAM	25	12	16.77	0.048	16.60	0.046	16.69	0.047
10	64QAM	25	25	16.71	0.047	16.57	0.045	16.90	0.049
10	64QAM	50	0	16.80	0.048	16.65	0.046	16.71	0.047



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20425		20525		20625	
Frequency (MHz)				826.5		836.5		846.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	19.79	0.095	19.86	0.097	19.64	0.092
5	QPSK	1	12	19.84	0.096	19.70	0.093	19.70	0.093
5	QPSK	1	24	19.72	0.094	19.82	0.096	19.66	0.092
5	QPSK	12	0	18.83	0.076	18.73	0.075	18.68	0.074
5	QPSK	12	7	18.64	0.073	18.64	0.073	18.75	0.075
5	QPSK	12	13	18.71	0.074	18.79	0.076	18.62	0.073
5	QPSK	25	0	18.68	0.074	18.78	0.076	18.85	0.077
5	16QAM	1	0	18.64	0.073	18.81	0.076	18.64	0.073
5	16QAM	1	12	18.74	0.075	18.66	0.073	18.58	0.072
5	16QAM	1	24	18.66	0.073	18.73	0.075	18.57	0.072
5	16QAM	12	0	17.70	0.059	17.66	0.058	17.63	0.058
5	16QAM	12	7	17.65	0.058	17.74	0.059	17.65	0.058
5	16QAM	12	13	17.65	0.058	17.62	0.058	17.58	0.057
5	16QAM	25	0	17.57	0.057	17.64	0.058	17.70	0.059
5	64QAM	1	0	17.73	0.059	17.73	0.059	17.85	0.061
5	64QAM	1	12	17.62	0.058	17.69	0.059	17.70	0.059
5	64QAM	1	24	17.86	0.061	17.82	0.061	17.58	0.057
5	64QAM	12	0	16.66	0.046	16.60	0.046	16.75	0.047
5	64QAM	12	7	16.67	0.046	16.70	0.047	16.70	0.047
5	64QAM	12	13	16.66	0.046	16.69	0.047	16.68	0.047
5	64QAM	25	0	16.64	0.046	16.72	0.047	16.71	0.047



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20415		20525		20635	
Frequency (MHz)				825.5		836.5		847.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	19.71	0.094	19.87	0.097	19.75	0.094
3	QPSK	1	8	19.64	0.092	19.65	0.092	19.71	0.094
3	QPSK	1	14	19.78	0.095	19.68	0.093	19.67	0.093
3	QPSK	8	0	18.68	0.074	18.89	0.077	18.63	0.073
3	QPSK	8	4	18.74	0.075	18.73	0.075	18.61	0.073
3	QPSK	8	7	18.63	0.073	18.63	0.073	18.70	0.074
3	QPSK	15	0	18.65	0.073	18.67	0.074	18.84	0.077
3	16QAM	1	0	18.64	0.073	18.76	0.075	18.61	0.073
3	16QAM	1	8	18.72	0.074	18.64	0.073	18.64	0.073
3	16QAM	1	14	18.46	0.070	18.68	0.074	18.65	0.073
3	16QAM	8	0	17.68	0.059	17.80	0.060	17.84	0.061
3	16QAM	8	4	17.62	0.058	17.68	0.059	17.64	0.058
3	16QAM	8	7	17.75	0.060	17.57	0.057	17.56	0.057
3	16QAM	15	0	17.63	0.058	17.62	0.058	17.68	0.059
3	64QAM	1	0	17.70	0.059	17.66	0.058	17.69	0.059
3	64QAM	1	8	17.71	0.059	17.60	0.058	17.69	0.059
3	64QAM	1	14	17.68	0.059	17.91	0.062	17.61	0.058
3	64QAM	8	0	16.72	0.047	16.83	0.048	16.63	0.046
3	64QAM	8	4	16.78	0.048	16.76	0.047	16.77	0.048
3	64QAM	8	7	16.71	0.047	16.68	0.047	16.91	0.049
3	64QAM	15	0	16.64	0.046	16.64	0.046	16.66	0.046



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20407		20525		20643	
Frequency (MHz)				824.7		836.5		848.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	19.78	0.095	19.84	0.096	19.73	0.094
1.4	QPSK	1	3	19.69	0.093	19.78	0.095	19.71	0.094
1.4	QPSK	1	5	19.64	0.092	19.80	0.095	19.65	0.092
1.4	QPSK	3	0	18.64	0.073	18.89	0.077	18.71	0.074
1.4	QPSK	3	1	18.71	0.074	18.63	0.073	18.79	0.076
1.4	QPSK	3	3	18.72	0.074	18.72	0.074	18.74	0.075
1.4	QPSK	6	0	18.71	0.074	18.68	0.074	18.94	0.078
1.4	16QAM	1	0	18.74	0.075	18.69	0.074	18.69	0.074
1.4	16QAM	1	3	18.65	0.073	18.68	0.074	18.83	0.076
1.4	16QAM	1	5	18.71	0.074	18.75	0.075	18.74	0.075
1.4	16QAM	3	0	17.61	0.058	17.65	0.058	17.84	0.061
1.4	16QAM	3	1	17.63	0.058	17.59	0.057	17.65	0.058
1.4	16QAM	3	3	17.59	0.057	17.70	0.059	17.64	0.058
1.4	16QAM	6	0	17.60	0.058	17.58	0.057	17.49	0.056
1.4	64QAM	1	0	17.59	0.057	17.51	0.056	17.60	0.058
1.4	64QAM	1	3	17.55	0.057	17.70	0.059	17.58	0.057
1.4	64QAM	1	5	17.74	0.059	17.84	0.061	17.76	0.060
1.4	64QAM	3	0	16.71	0.047	16.75	0.047	16.62	0.046
1.4	64QAM	3	1	16.64	0.046	16.84	0.048	16.73	0.047
1.4	64QAM	3	3	16.71	0.047	16.70	0.047	16.71	0.047
1.4	64QAM	6	0	16.67	0.046	16.62	0.046	16.71	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				20850		21100		21350	
Frequency (MHz)				2510		2535		2560	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	24.11	0.258	24.30	0.269	24.23	0.265
20	QPSK	1	49	24.12	0.258	24.15	0.260	24.14	0.259
20	QPSK	1	99	24.17	0.261	24.14	0.259	24.08	0.256
20	QPSK	50	0	23.26	0.212	23.37	0.217	23.29	0.213
20	QPSK	50	24	23.14	0.206	23.10	0.204	23.19	0.208
20	QPSK	50	50	23.05	0.202	23.27	0.212	23.11	0.205
20	QPSK	100	0	23.19	0.208	23.19	0.208	23.22	0.210
20	16QAM	1	0	23.09	0.204	23.23	0.210	23.13	0.206
20	16QAM	1	49	23.10	0.204	23.12	0.205	23.18	0.208
20	16QAM	1	99	23.04	0.201	23.09	0.204	23.15	0.207
20	16QAM	50	0	22.20	0.166	22.17	0.165	22.14	0.164
20	16QAM	50	24	22.16	0.164	22.13	0.163	22.16	0.164
20	16QAM	50	50	22.09	0.162	22.09	0.162	22.20	0.166
20	16QAM	100	0	22.20	0.166	22.10	0.162	22.14	0.164
20	64QAM	1	0	22.11	0.163	22.19	0.166	22.15	0.164
20	64QAM	1	49	22.23	0.167	22.13	0.163	22.11	0.163
20	64QAM	1	99	22.22	0.167	22.34	0.171	22.23	0.167
20	64QAM	50	0	21.24	0.133	21.30	0.135	21.22	0.132
20	64QAM	50	24	21.27	0.134	21.19	0.132	21.23	0.133
20	64QAM	50	50	21.19	0.132	21.14	0.130	21.13	0.130
20	64QAM	100	0	21.02	0.126	21.07	0.128	21.22	0.132



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	24.21	0.264	24.28	0.268	24.23	0.265
15	QPSK	1	37	24.26	0.267	24.19	0.262	24.11	0.258
15	QPSK	1	74	24.06	0.255	24.09	0.256	24.05	0.254
15	QPSK	36	0	23.10	0.204	23.33	0.215	23.11	0.205
15	QPSK	36	20	23.10	0.204	23.17	0.207	23.24	0.211
15	QPSK	36	39	23.16	0.207	23.08	0.203	23.11	0.205
15	QPSK	75	0	23.11	0.205	23.27	0.212	23.21	0.209
15	16QAM	1	0	23.23	0.210	23.25	0.211	23.31	0.214
15	16QAM	1	37	23.14	0.206	23.13	0.206	23.11	0.205
15	16QAM	1	74	23.22	0.210	23.17	0.207	23.13	0.206
15	16QAM	36	0	22.06	0.161	22.07	0.161	22.12	0.163
15	16QAM	36	20	22.18	0.165	22.05	0.160	22.02	0.159
15	16QAM	36	39	22.20	0.166	22.21	0.166	22.11	0.163
15	16QAM	75	0	22.11	0.163	22.14	0.164	22.11	0.163
15	64QAM	1	0	22.27	0.169	22.25	0.168	22.16	0.164
15	64QAM	1	37	22.13	0.163	22.08	0.161	22.09	0.162
15	64QAM	1	74	22.15	0.164	22.23	0.167	22.11	0.163
15	64QAM	36	0	21.27	0.134	21.20	0.132	21.25	0.133
15	64QAM	36	20	21.11	0.129	21.14	0.130	21.13	0.130
15	64QAM	36	39	21.20	0.132	21.15	0.130	21.26	0.134
15	64QAM	75	0	21.09	0.129	21.14	0.130	21.21	0.132



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	24.24	0.265	24.25	0.266	24.14	0.259
10	QPSK	1	25	24.14	0.259	24.14	0.259	24.17	0.261
10	QPSK	1	49	24.20	0.263	24.16	0.261	24.17	0.261
10	QPSK	25	0	23.08	0.203	23.35	0.216	23.04	0.201
10	QPSK	25	12	23.12	0.205	23.10	0.204	23.01	0.200
10	QPSK	25	25	23.04	0.201	23.19	0.208	23.16	0.207
10	QPSK	50	0	23.16	0.207	23.23	0.210	23.45	0.221
10	16QAM	1	0	22.92	0.196	23.25	0.211	23.19	0.208
10	16QAM	1	25	23.16	0.207	23.17	0.207	23.11	0.205
10	16QAM	1	49	23.16	0.207	23.12	0.205	23.13	0.206
10	16QAM	25	0	22.20	0.166	22.25	0.168	22.17	0.165
10	16QAM	25	12	22.16	0.164	22.18	0.165	22.10	0.162
10	16QAM	25	25	22.13	0.163	22.19	0.166	22.24	0.167
10	16QAM	50	0	22.22	0.167	22.16	0.164	22.13	0.163
10	64QAM	1	0	22.08	0.161	22.04	0.160	22.14	0.164
10	64QAM	1	25	22.11	0.163	22.20	0.166	22.13	0.163
10	64QAM	1	49	22.26	0.168	22.25	0.168	22.33	0.171
10	64QAM	25	0	21.22	0.132	21.25	0.133	21.15	0.130
10	64QAM	25	12	21.18	0.131	21.29	0.135	21.25	0.133
10	64QAM	25	25	21.20	0.132	21.19	0.132	21.21	0.132
10	64QAM	50	0	21.23	0.133	21.20	0.132	21.22	0.132



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	24.28	0.268	24.28	0.268	24.14	0.259
5	QPSK	1	12	24.17	0.261	24.22	0.264	24.14	0.259
5	QPSK	1	24	24.10	0.257	24.16	0.261	24.09	0.256
5	QPSK	12	0	23.27	0.212	23.33	0.215	23.24	0.211
5	QPSK	12	7	23.15	0.207	23.19	0.208	23.09	0.204
5	QPSK	12	13	23.12	0.205	23.27	0.212	23.16	0.207
5	QPSK	25	0	23.19	0.208	23.19	0.208	23.21	0.209
5	16QAM	1	0	23.20	0.209	23.31	0.214	23.11	0.205
5	16QAM	1	12	23.05	0.202	22.92	0.196	23.07	0.203
5	16QAM	1	24	23.17	0.207	23.19	0.208	23.16	0.207
5	16QAM	12	0	22.27	0.169	22.23	0.167	22.17	0.165
5	16QAM	12	7	22.26	0.168	22.21	0.166	22.08	0.161
5	16QAM	12	13	22.19	0.166	22.13	0.163	22.15	0.164
5	16QAM	25	0	22.16	0.164	22.09	0.162	22.06	0.161
5	64QAM	1	0	22.28	0.169	22.19	0.166	22.26	0.168
5	64QAM	1	12	22.11	0.163	22.12	0.163	22.09	0.162
5	64QAM	1	24	22.16	0.164	22.26	0.168	22.32	0.171
5	64QAM	12	0	21.11	0.129	21.02	0.126	21.25	0.133
5	64QAM	12	7	21.16	0.131	21.05	0.127	21.19	0.132
5	64QAM	12	13	21.13	0.130	21.13	0.130	21.17	0.131
5	64QAM	25	0	21.01	0.126	21.08	0.128	21.11	0.129



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	/	/	15.40	0.035	/	/
10	QPSK	1	25	/	/	15.24	0.033	/	/
10	QPSK	1	49	/	/	15.16	0.033	/	/
10	QPSK	25	0	/	/	14.41	0.028	/	/
10	QPSK	25	12	/	/	14.33	0.027	/	/
10	QPSK	25	25	/	/	14.27	0.027	/	/
10	QPSK	50	0	/	/	14.35	0.027	/	/
10	16QAM	1	0	/	/	14.30	0.027	/	/
10	16QAM	1	25	/	/	14.18	0.026	/	/
10	16QAM	1	49	/	/	14.21	0.026	/	/
10	16QAM	25	0	/	/	13.47	0.022	/	/
10	16QAM	25	12	/	/	13.32	0.021	/	/
10	16QAM	25	25	/	/	13.39	0.022	/	/
10	16QAM	50	0	/	/	13.35	0.022	/	/
10	64QAM	1	0	/	/	13.38	0.022	/	/
10	64QAM	1	25	/	/	13.34	0.022	/	/
10	64QAM	1	49	/	/	13.25	0.021	/	/
10	64QAM	25	0	/	/	12.42	0.017	/	/
10	64QAM	25	12	/	/	12.31	0.017	/	/
10	64QAM	25	25	/	/	12.36	0.017	/	/
10	64QAM	50	0	/	/	12.30	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	15.30	0.034	15.36	0.034	15.11	0.032
5	QPSK	1	12	15.35	0.034	15.32	0.034	15.20	0.033
5	QPSK	1	24	15.23	0.033	15.25	0.033	15.10	0.032
5	QPSK	12	0	14.43	0.028	14.48	0.028	14.43	0.028
5	QPSK	12	7	14.22	0.026	14.32	0.027	14.17	0.026
5	QPSK	12	13	14.31	0.027	14.40	0.028	14.23	0.026
5	QPSK	25	0	14.21	0.026	14.21	0.026	14.20	0.026
5	16QAM	1	0	14.12	0.026	14.47	0.028	14.09	0.026
5	16QAM	1	12	14.29	0.027	14.34	0.027	14.30	0.027
5	16QAM	1	24	14.21	0.026	14.29	0.027	14.11	0.026
5	16QAM	12	0	13.25	0.021	13.22	0.021	13.28	0.021
5	16QAM	12	7	13.07	0.020	13.31	0.021	13.03	0.020
5	16QAM	12	13	13.31	0.021	13.14	0.021	13.14	0.021
5	16QAM	25	0	13.10	0.020	13.12	0.021	13.12	0.021
5	64QAM	1	0	13.33	0.022	13.35	0.022	13.44	0.022
5	64QAM	1	12	13.29	0.021	13.18	0.021	13.11	0.020
5	64QAM	1	24	13.36	0.022	13.33	0.022	13.34	0.022
5	64QAM	12	0	12.33	0.017	12.24	0.017	12.25	0.017
5	64QAM	12	7	12.32	0.017	12.33	0.017	12.23	0.017
5	64QAM	12	13	12.22	0.017	12.21	0.017	12.44	0.018
5	64QAM	25	0	12.23	0.017	12.25	0.017	12.36	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	24.72	0.296	24.80	0.302	24.74	0.298
20	QPSK	1	49	24.60	0.288	24.77	0.300	24.52	0.283
20	QPSK	1	99	24.76	0.299	24.72	0.296	24.66	0.292
20	QPSK	50	0	23.81	0.240	23.83	0.242	23.80	0.240
20	QPSK	50	24	23.67	0.233	23.65	0.232	23.54	0.226
20	QPSK	50	50	23.66	0.232	23.74	0.237	23.55	0.226
20	QPSK	100	0	23.79	0.239	23.62	0.230	23.78	0.239
20	16QAM	1	0	23.75	0.237	23.82	0.241	23.60	0.229
20	16QAM	1	49	23.58	0.228	23.75	0.237	23.57	0.228
20	16QAM	1	99	23.72	0.236	23.62	0.230	23.54	0.226
20	16QAM	50	0	22.67	0.185	22.60	0.182	22.73	0.187
20	16QAM	50	24	22.49	0.177	22.69	0.186	22.63	0.183
20	16QAM	50	50	22.67	0.185	22.59	0.182	22.77	0.189
20	16QAM	100	0	22.68	0.185	22.79	0.190	22.53	0.179
20	64QAM	1	0	22.64	0.184	22.67	0.185	22.85	0.193
20	64QAM	1	49	22.62	0.183	22.57	0.181	22.70	0.186
20	64QAM	1	99	22.85	0.193	22.81	0.191	22.87	0.194
20	64QAM	50	0	21.66	0.147	21.59	0.144	21.75	0.150
20	64QAM	50	24	21.75	0.150	21.82	0.152	21.69	0.148
20	64QAM	50	50	21.70	0.148	21.79	0.151	21.84	0.153
20	64QAM	100	0	21.56	0.143	21.65	0.146	21.52	0.142



LTE Band 38				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				37825		38000		38175	
Frequency (MHz)				2577.5		2595		2612.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	24.65	0.292	24.76	0.299	24.62	0.290
15	QPSK	1	37	24.75	0.299	24.67	0.293	24.52	0.283
15	QPSK	1	74	24.60	0.288	24.62	0.290	24.58	0.287
15	QPSK	36	0	23.73	0.236	23.89	0.245	23.66	0.232
15	QPSK	36	20	23.69	0.234	23.76	0.238	23.83	0.242
15	QPSK	36	39	23.72	0.236	23.87	0.244	23.74	0.237
15	QPSK	75	0	23.82	0.241	23.72	0.236	23.83	0.242
15	16QAM	1	0	23.62	0.230	23.76	0.238	23.57	0.228
15	16QAM	1	37	23.49	0.223	23.64	0.231	23.76	0.238
15	16QAM	1	74	23.56	0.227	23.73	0.236	23.59	0.229
15	16QAM	36	0	22.63	0.183	22.53	0.179	22.78	0.190
15	16QAM	36	20	22.68	0.185	22.69	0.186	22.54	0.179
15	16QAM	36	39	22.78	0.190	22.83	0.192	22.52	0.179
15	16QAM	75	0	22.46	0.176	22.70	0.186	22.51	0.178
15	64QAM	1	0	22.68	0.185	22.64	0.184	22.83	0.192
15	64QAM	1	37	22.55	0.180	22.66	0.185	22.46	0.176
15	64QAM	1	74	22.76	0.189	22.78	0.190	22.65	0.184
15	64QAM	36	0	21.58	0.144	21.60	0.145	21.69	0.148
15	64QAM	36	20	21.66	0.147	21.66	0.147	21.68	0.147
15	64QAM	36	39	21.82	0.152	21.81	0.152	21.75	0.150
15	64QAM	75	0	21.50	0.141	21.49	0.141	21.75	0.150



LTE Band 38				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				37800		38000		38200	
Frequency (MHz)				2575		2595		2615	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	24.68	0.294	24.78	0.301	24.59	0.288
10	QPSK	1	25	24.60	0.288	24.77	0.300	24.70	0.295
10	QPSK	1	49	24.59	0.288	24.66	0.292	24.47	0.280
10	QPSK	25	0	23.84	0.242	23.71	0.235	23.79	0.239
10	QPSK	25	12	23.76	0.238	23.57	0.228	23.73	0.236
10	QPSK	25	25	23.84	0.242	23.77	0.238	23.75	0.237
10	QPSK	50	0	23.65	0.232	23.92	0.247	23.86	0.243
10	16QAM	1	0	23.73	0.236	23.84	0.242	23.66	0.232
10	16QAM	1	25	23.68	0.233	23.78	0.239	23.46	0.222
10	16QAM	1	49	23.56	0.227	23.81	0.240	23.74	0.237
10	16QAM	25	0	22.68	0.186	22.69	0.186	22.68	0.185
10	16QAM	25	12	22.53	0.179	22.51	0.178	22.57	0.181
10	16QAM	25	25	22.67	0.185	22.80	0.191	22.54	0.179
10	16QAM	50	0	22.59	0.182	22.72	0.187	22.48	0.177
10	64QAM	1	0	22.73	0.187	22.85	0.193	22.92	0.196
10	64QAM	1	25	22.54	0.179	22.76	0.189	22.74	0.188
10	64QAM	1	49	22.68	0.185	22.97	0.198	22.90	0.195
10	64QAM	25	0	21.88	0.154	21.52	0.142	21.83	0.152
10	64QAM	25	12	21.75	0.150	21.67	0.147	21.79	0.151
10	64QAM	25	25	21.58	0.144	21.72	0.149	21.96	0.157
10	64QAM	50	0	21.51	0.142	21.64	0.146	21.63	0.146



LTE Band 38				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				37775		38000		38225	
Frequency (MHz)				2572.5		2595		2617.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	24.69	0.294	24.77	0.300	24.73	0.297
5	QPSK	1	12	24.72	0.296	24.68	0.294	24.61	0.289
5	QPSK	1	24	24.64	0.291	24.70	0.295	24.55	0.285
5	QPSK	12	0	23.72	0.236	23.83	0.242	23.61	0.230
5	QPSK	12	7	23.67	0.233	23.71	0.235	23.70	0.234
5	QPSK	12	13	23.82	0.241	23.67	0.233	23.76	0.238
5	QPSK	25	0	23.71	0.235	23.84	0.242	23.90	0.245
5	16QAM	1	0	23.50	0.224	23.92	0.247	23.61	0.230
5	16QAM	1	12	23.50	0.224	23.78	0.239	23.61	0.230
5	16QAM	1	24	23.57	0.228	23.77	0.238	23.69	0.234
5	16QAM	12	0	22.66	0.185	22.72	0.187	22.82	0.191
5	16QAM	12	7	22.67	0.185	22.78	0.190	22.53	0.179
5	16QAM	12	13	22.80	0.191	22.80	0.191	22.55	0.180
5	16QAM	25	0	22.64	0.184	22.70	0.186	22.49	0.177
5	64QAM	1	0	22.76	0.189	22.83	0.192	22.66	0.185
5	64QAM	1	12	22.51	0.178	22.64	0.184	22.64	0.184
5	64QAM	1	24	22.80	0.191	22.77	0.189	22.83	0.192
5	64QAM	12	0	21.68	0.147	21.67	0.147	21.61	0.145
5	64QAM	12	7	21.73	0.149	21.67	0.147	21.85	0.153
5	64QAM	12	13	21.69	0.148	21.73	0.149	21.80	0.151
5	64QAM	25	0	21.53	0.142	21.71	0.148	21.68	0.147



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	/	/	21.85	0.153	/	/
10	QPSK	1	25	/	/	21.79	0.151	/	/
10	QPSK	1	49	/	/	21.80	0.151	/	/
10	QPSK	25	0	/	/	20.87	0.122	/	/
10	QPSK	25	12	/	/	20.92	0.124	/	/
10	QPSK	25	25	/	/	20.76	0.119	/	/
10	QPSK	50	0	/	/	20.81	0.121	/	/
10	16QAM	1	0	/	/	20.79	0.120	/	/
10	16QAM	1	25	/	/	20.77	0.119	/	/
10	16QAM	1	49	/	/	20.69	0.117	/	/
10	16QAM	25	0	/	/	19.86	0.097	/	/
10	16QAM	25	12	/	/	19.68	0.093	/	/
10	16QAM	25	25	/	/	19.73	0.094	/	/
10	16QAM	50	0	/	/	19.78	0.095	/	/
10	64QAM	1	0	/	/	19.82	0.096	/	/
10	64QAM	1	25	/	/	19.86	0.097	/	/
10	64QAM	1	49	/	/	19.71	0.094	/	/
10	64QAM	25	0	/	/	18.91	0.078	/	/
10	64QAM	25	12	/	/	18.85	0.077	/	/
10	64QAM	25	25	/	/	18.76	0.075	/	/
10	64QAM	50	0	/	/	18.80	0.076	/	/



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	21.73	0.149	21.83	0.152	21.75	0.150
5	QPSK	1	12	21.78	0.151	21.81	0.152	21.80	0.151
5	QPSK	1	24	21.72	0.149	21.81	0.152	21.66	0.147
5	QPSK	12	0	20.70	0.117	21.10	0.129	20.96	0.125
5	QPSK	12	7	20.87	0.122	20.79	0.120	20.65	0.116
5	QPSK	12	13	20.76	0.119	20.73	0.118	20.79	0.120
5	QPSK	25	0	20.70	0.117	20.90	0.123	20.95	0.124
5	16QAM	1	0	20.55	0.114	20.78	0.120	20.60	0.115
5	16QAM	1	12	20.64	0.116	20.82	0.121	20.68	0.117
5	16QAM	1	24	20.67	0.117	20.84	0.121	20.76	0.119
5	16QAM	12	0	19.96	0.099	19.72	0.094	19.90	0.098
5	16QAM	12	7	19.58	0.091	19.89	0.097	19.76	0.095
5	16QAM	12	13	19.82	0.096	19.70	0.093	19.92	0.098
5	16QAM	25	0	19.63	0.092	19.90	0.098	19.67	0.093
5	64QAM	1	0	19.75	0.094	19.74	0.094	19.94	0.099
5	64QAM	1	12	19.67	0.093	19.79	0.095	19.83	0.096
5	64QAM	1	24	19.88	0.097	20.09	0.102	19.78	0.095
5	64QAM	12	0	18.77	0.075	18.75	0.075	18.87	0.077
5	64QAM	12	7	18.72	0.074	18.84	0.077	18.77	0.075
5	64QAM	12	13	18.78	0.076	18.72	0.074	18.86	0.077
5	64QAM	25	0	18.85	0.077	18.87	0.077	18.88	0.077



LTE Band 40, Block B				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				/		39200		/	
Frequency (MHz)				/		2355		/	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	/	/	21.89	0.155	/	/
10	QPSK	1	25	/	/	21.68	0.147	/	/
10	QPSK	1	49	/	/	21.81	0.152	/	/
10	QPSK	25	0	/	/	20.94	0.124	/	/
10	QPSK	25	12	/	/	20.79	0.120	/	/
10	QPSK	25	25	/	/	20.82	0.121	/	/
10	QPSK	50	0	/	/	20.85	0.122	/	/
10	16QAM	1	0	/	/	20.76	0.119	/	/
10	16QAM	1	25	/	/	20.81	0.121	/	/
10	16QAM	1	49	/	/	20.70	0.117	/	/
10	16QAM	25	0	/	/	19.96	0.099	/	/
10	16QAM	25	12	/	/	19.89	0.097	/	/
10	16QAM	25	25	/	/	19.85	0.097	/	/
10	16QAM	50	0	/	/	19.88	0.097	/	/
10	64QAM	1	0	/	/	19.73	0.094	/	/
10	64QAM	1	25	/	/	19.69	0.093	/	/
10	64QAM	1	49	/	/	19.75	0.094	/	/
10	64QAM	25	0	/	/	18.87	0.077	/	/
10	64QAM	25	12	/	/	18.79	0.076	/	/
10	64QAM	25	25	/	/	18.71	0.074	/	/
10	64QAM	50	0	/	/	18.84	0.077	/	/



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	21.77	0.150	21.85	0.153	21.74	0.149
5	QPSK	1	12	21.71	0.148	21.83	0.152	21.81	0.152
5	QPSK	1	24	21.80	0.151	21.76	0.150	21.83	0.152
5	QPSK	12	0	20.88	0.122	21.07	0.128	20.79	0.120
5	QPSK	12	7	20.68	0.117	20.63	0.116	20.64	0.116
5	QPSK	12	13	20.80	0.120	20.70	0.117	20.61	0.115
5	QPSK	25	0	20.87	0.122	20.72	0.118	21.04	0.127
5	16QAM	1	0	20.70	0.117	20.72	0.118	20.65	0.116
5	16QAM	1	12	20.60	0.115	20.76	0.119	20.73	0.118
5	16QAM	1	24	20.58	0.114	20.91	0.123	20.55	0.114
5	16QAM	12	0	19.75	0.094	19.72	0.094	19.75	0.094
5	16QAM	12	7	19.50	0.089	19.65	0.092	19.69	0.093
5	16QAM	12	13	19.76	0.095	19.83	0.096	19.68	0.093
5	16QAM	25	0	19.76	0.095	19.86	0.097	19.58	0.091
5	64QAM	1	0	19.92	0.098	19.69	0.093	19.80	0.095
5	64QAM	1	12	19.69	0.093	19.71	0.094	19.70	0.093
5	64QAM	1	24	20.02	0.100	20.00	0.100	19.89	0.097
5	64QAM	12	0	18.87	0.077	18.68	0.074	18.81	0.076
5	64QAM	12	7	18.71	0.074	18.77	0.075	18.90	0.078
5	64QAM	12	13	18.82	0.076	18.90	0.078	18.98	0.079
5	64QAM	25	0	18.60	0.072	18.57	0.072	18.64	0.073



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	24.64	0.291	24.86	0.306	24.76	0.299
20	QPSK	1	49	24.69	0.294	24.73	0.297	24.57	0.286
20	QPSK	1	99	24.61	0.289	24.67	0.293	24.58	0.287
20	QPSK	50	0	23.81	0.240	23.90	0.245	23.74	0.237
20	QPSK	50	24	23.63	0.231	23.72	0.236	23.74	0.237
20	QPSK	50	50	23.57	0.228	23.74	0.237	23.75	0.237
20	QPSK	100	0	23.67	0.233	23.86	0.243	24.01	0.252
20	16QAM	1	0	23.62	0.230	23.75	0.237	23.50	0.224
20	16QAM	1	49	23.76	0.238	23.65	0.232	23.71	0.235
20	16QAM	1	99	23.75	0.237	23.64	0.231	23.59	0.229
20	16QAM	50	0	22.88	0.194	22.65	0.184	22.66	0.185
20	16QAM	50	24	22.52	0.179	22.71	0.187	22.57	0.181
20	16QAM	50	50	22.73	0.187	22.62	0.183	22.69	0.186
20	16QAM	100	0	22.50	0.178	22.45	0.176	22.71	0.187
20	64QAM	1	0	22.68	0.185	22.86	0.193	22.84	0.192
20	64QAM	1	49	22.54	0.179	22.56	0.180	22.75	0.188
20	64QAM	1	99	22.71	0.187	22.67	0.185	22.63	0.183
20	64QAM	50	0	21.85	0.153	21.69	0.148	21.61	0.145
20	64QAM	50	24	21.63	0.146	21.85	0.153	21.59	0.144
20	64QAM	50	50	21.71	0.148	21.80	0.151	21.74	0.149
20	64QAM	100	0	21.71	0.148	21.82	0.152	21.62	0.145



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	24.63	0.290	24.85	0.305	24.64	0.291
15	QPSK	1	37	24.64	0.291	24.65	0.292	24.70	0.295
15	QPSK	1	74	24.67	0.293	24.58	0.287	24.60	0.288
15	QPSK	36	0	23.78	0.239	23.85	0.243	23.86	0.243
15	QPSK	36	20	23.64	0.231	23.61	0.230	23.63	0.231
15	QPSK	36	39	23.74	0.237	23.68	0.233	23.75	0.237
15	QPSK	75	0	23.73	0.236	23.77	0.238	23.83	0.242
15	16QAM	1	0	23.74	0.237	23.70	0.234	23.69	0.234
15	16QAM	1	37	23.56	0.227	23.62	0.230	23.73	0.236
15	16QAM	1	74	23.76	0.238	23.61	0.230	23.63	0.231
15	16QAM	36	0	22.81	0.191	22.73	0.187	22.65	0.184
15	16QAM	36	20	22.59	0.182	22.62	0.183	22.47	0.177
15	16QAM	36	39	22.75	0.188	22.55	0.180	22.64	0.184
15	16QAM	75	0	22.58	0.181	22.69	0.186	22.57	0.181
15	64QAM	1	0	22.68	0.185	22.81	0.191	22.70	0.186
15	64QAM	1	37	22.56	0.180	22.58	0.181	22.66	0.185
15	64QAM	1	74	22.86	0.193	22.63	0.183	22.71	0.187
15	64QAM	36	0	21.67	0.147	21.61	0.145	21.82	0.152
15	64QAM	36	20	21.58	0.144	21.61	0.145	21.61	0.145
15	64QAM	36	39	21.57	0.144	21.78	0.151	21.83	0.152
15	64QAM	75	0	21.73	0.149	21.80	0.151	21.81	0.152



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	24.61	0.289	24.83	0.304	24.61	0.289
10	QPSK	1	25	24.61	0.289	24.77	0.300	24.59	0.288
10	QPSK	1	49	24.62	0.290	24.67	0.293	24.51	0.282
10	QPSK	25	0	23.62	0.230	23.90	0.245	23.86	0.243
10	QPSK	25	12	23.52	0.225	23.72	0.236	23.73	0.236
10	QPSK	25	25	23.69	0.234	23.52	0.225	23.68	0.233
10	QPSK	50	0	23.56	0.227	23.88	0.244	23.66	0.232
10	16QAM	1	0	23.65	0.232	23.68	0.233	23.53	0.225
10	16QAM	1	25	23.57	0.228	23.70	0.234	23.73	0.236
10	16QAM	1	49	23.49	0.223	23.67	0.233	23.50	0.224
10	16QAM	25	0	22.63	0.183	22.65	0.184	22.83	0.192
10	16QAM	25	12	22.64	0.184	22.70	0.186	22.76	0.189
10	16QAM	25	25	22.60	0.182	22.73	0.187	22.67	0.185
10	16QAM	50	0	22.50	0.178	22.49	0.177	22.69	0.186
10	64QAM	1	0	22.82	0.191	22.78	0.190	22.93	0.196
10	64QAM	1	25	22.60	0.182	22.67	0.185	22.74	0.188
10	64QAM	1	49	22.71	0.187	22.92	0.196	22.72	0.187
10	64QAM	25	0	21.86	0.153	21.67	0.147	21.59	0.144
10	64QAM	25	12	21.80	0.151	21.74	0.149	21.80	0.151
10	64QAM	25	25	21.59	0.144	21.91	0.155	21.80	0.151
10	64QAM	50	0	21.73	0.149	21.61	0.145	21.52	0.142



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	24.78	0.301	24.80	0.302	24.71	0.296
5	QPSK	1	12	24.64	0.291	24.62	0.290	24.75	0.299
5	QPSK	1	24	24.57	0.286	24.58	0.287	24.64	0.291
5	QPSK	12	0	23.85	0.243	23.76	0.238	23.86	0.243
5	QPSK	12	7	23.56	0.227	23.63	0.231	23.79	0.239
5	QPSK	12	13	23.58	0.228	23.74	0.237	23.80	0.240
5	QPSK	25	0	23.56	0.227	23.97	0.249	23.63	0.231
5	16QAM	1	0	23.66	0.232	23.72	0.236	23.65	0.232
5	16QAM	1	12	23.59	0.229	23.57	0.228	23.52	0.225
5	16QAM	1	24	23.53	0.225	23.47	0.222	23.71	0.235
5	16QAM	12	0	22.75	0.189	22.64	0.184	22.75	0.188
5	16QAM	12	7	22.66	0.185	22.74	0.188	22.55	0.180
5	16QAM	12	13	22.73	0.187	22.56	0.180	22.81	0.191
5	16QAM	25	0	22.52	0.179	22.71	0.187	22.68	0.185
5	64QAM	1	0	22.89	0.195	22.84	0.192	22.70	0.186
5	64QAM	1	12	22.70	0.186	22.74	0.188	22.76	0.189
5	64QAM	1	24	22.80	0.191	22.93	0.196	22.75	0.188
5	64QAM	12	0	21.63	0.146	21.63	0.146	21.78	0.151
5	64QAM	12	7	21.59	0.144	21.55	0.143	21.76	0.150
5	64QAM	12	13	21.64	0.146	21.60	0.145	21.89	0.155
5	64QAM	25	0	21.59	0.144	21.82	0.152	21.58	0.144



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	20.17	0.104	20.44	0.111	20.11	0.103
20	QPSK	1	49	20.11	0.103	20.38	0.109	20.15	0.104
20	QPSK	1	99	20.06	0.101	20.09	0.102	20.16	0.104
20	QPSK	50	0	19.08	0.081	19.38	0.087	19.36	0.086
20	QPSK	50	24	19.13	0.082	19.16	0.082	19.32	0.086
20	QPSK	50	50	19.11	0.081	19.13	0.082	19.16	0.082
20	QPSK	100	0	19.15	0.082	19.30	0.085	19.34	0.086
20	16QAM	1	0	19.15	0.082	19.26	0.084	19.07	0.081
20	16QAM	1	49	19.13	0.082	19.30	0.085	19.14	0.082
20	16QAM	1	99	19.20	0.083	19.11	0.081	19.07	0.081
20	16QAM	50	0	18.29	0.068	18.05	0.064	18.26	0.067
20	16QAM	50	24	18.04	0.064	18.08	0.064	18.07	0.064
20	16QAM	50	50	18.03	0.064	18.34	0.068	18.03	0.064
20	16QAM	100	0	18.02	0.063	18.06	0.064	18.05	0.064
20	64QAM	1	0	18.39	0.069	18.31	0.068	18.20	0.066
20	64QAM	1	49	18.20	0.066	18.26	0.067	18.20	0.066
20	64QAM	1	99	18.36	0.069	18.41	0.069	18.43	0.070
20	64QAM	50	0	17.36	0.054	17.00	0.050	17.14	0.052
20	64QAM	50	24	17.31	0.054	17.09	0.051	17.30	0.054
20	64QAM	50	50	17.19	0.052	17.30	0.054	17.27	0.053
20	64QAM	100	0	17.11	0.051	17.10	0.051	17.23	0.053



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	20.38	0.109	20.42	0.110	20.29	0.107
15	QPSK	1	37	20.22	0.105	20.22	0.105	20.18	0.104
15	QPSK	1	74	20.12	0.103	20.32	0.108	20.26	0.106
15	QPSK	36	0	19.28	0.085	19.43	0.088	19.19	0.083
15	QPSK	36	20	19.23	0.084	19.21	0.083	19.08	0.081
15	QPSK	36	39	19.19	0.083	19.30	0.085	19.23	0.084
15	QPSK	75	0	19.25	0.084	19.12	0.082	19.23	0.084
15	16QAM	1	0	19.20	0.083	19.27	0.085	19.08	0.081
15	16QAM	1	37	19.16	0.082	19.13	0.082	19.21	0.083
15	16QAM	1	74	19.09	0.081	19.30	0.085	19.18	0.083
15	16QAM	36	0	18.34	0.068	18.18	0.066	18.33	0.068
15	16QAM	36	20	18.22	0.066	18.28	0.067	18.17	0.066
15	16QAM	36	39	18.27	0.067	18.28	0.067	18.09	0.064
15	16QAM	75	0	18.05	0.064	18.04	0.064	18.06	0.064
15	64QAM	1	0	18.14	0.065	18.25	0.067	18.43	0.070
15	64QAM	1	37	18.16	0.065	18.17	0.066	18.21	0.066
15	64QAM	1	74	18.27	0.067	18.26	0.067	18.28	0.067
15	64QAM	36	0	17.17	0.052	17.16	0.052	17.27	0.053
15	64QAM	36	20	17.26	0.053	17.34	0.054	17.11	0.051
15	64QAM	36	39	17.28	0.053	17.27	0.053	17.28	0.053
15	64QAM	75	0	17.07	0.051	17.18	0.052	17.19	0.052



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	20.30	0.107	20.39	0.109	20.14	0.103
10	QPSK	1	25	20.28	0.107	20.34	0.108	20.21	0.105
10	QPSK	1	49	20.30	0.107	20.17	0.104	20.05	0.101
10	QPSK	25	0	19.32	0.086	19.44	0.088	19.35	0.086
10	QPSK	25	12	19.09	0.081	19.03	0.080	19.32	0.086
10	QPSK	25	25	19.06	0.081	19.13	0.082	19.08	0.081
10	QPSK	50	0	19.34	0.086	19.17	0.083	19.26	0.084
10	16QAM	1	0	19.18	0.083	19.37	0.086	19.10	0.081
10	16QAM	1	25	19.12	0.082	19.04	0.080	19.20	0.083
10	16QAM	1	49	19.21	0.083	19.02	0.080	19.09	0.081
10	16QAM	25	0	18.20	0.066	18.26	0.067	18.16	0.065
10	16QAM	25	12	18.10	0.065	18.20	0.066	18.17	0.066
10	16QAM	25	25	18.21	0.066	18.15	0.065	18.10	0.065
10	16QAM	50	0	18.18	0.066	18.12	0.065	18.00	0.063
10	64QAM	1	0	18.30	0.068	18.32	0.068	18.21	0.066
10	64QAM	1	25	18.14	0.065	18.06	0.064	18.14	0.065
10	64QAM	1	49	18.34	0.068	18.36	0.069	18.20	0.066
10	64QAM	25	0	17.37	0.055	17.15	0.052	17.32	0.054
10	64QAM	25	12	17.32	0.054	17.19	0.052	17.09	0.051
10	64QAM	25	25	17.04	0.051	17.22	0.053	17.32	0.054
10	64QAM	50	0	17.05	0.051	17.06	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				131997		132322		132647	
Frequency (MHz)				1712.5		1745		1777.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	20.30	0.107	20.38	0.109	20.25	0.106
5	QPSK	1	12	20.11	0.103	20.15	0.104	20.29	0.107
5	QPSK	1	24	20.32	0.108	20.11	0.103	20.10	0.102
5	QPSK	12	0	19.21	0.083	19.39	0.087	19.13	0.082
5	QPSK	12	7	19.18	0.083	19.26	0.084	19.34	0.086
5	QPSK	12	13	19.36	0.086	19.19	0.083	19.06	0.081
5	QPSK	25	0	19.07	0.081	19.35	0.086	19.25	0.084
5	16QAM	1	0	18.96	0.079	19.23	0.084	19.22	0.084
5	16QAM	1	12	19.18	0.083	19.09	0.081	19.08	0.081
5	16QAM	1	24	19.15	0.082	19.04	0.080	18.99	0.079
5	16QAM	12	0	18.36	0.069	18.32	0.068	18.38	0.069
5	16QAM	12	7	18.17	0.066	18.15	0.065	18.04	0.064
5	16QAM	12	13	18.26	0.067	18.25	0.067	18.18	0.066
5	16QAM	25	0	18.13	0.065	18.21	0.066	18.13	0.065
5	64QAM	1	0	18.15	0.065	18.06	0.064	18.43	0.070
5	64QAM	1	12	18.17	0.066	18.24	0.067	18.19	0.066
5	64QAM	1	24	18.34	0.068	18.34	0.068	18.28	0.067
5	64QAM	12	0	17.38	0.055	17.12	0.052	17.07	0.051
5	64QAM	12	7	17.37	0.055	17.18	0.052	17.20	0.052
5	64QAM	12	13	17.17	0.052	17.22	0.053	17.22	0.053
5	64QAM	25	0	17.06	0.051	17.02	0.050	17.21	0.053



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	20.16	0.104	20.37	0.109	20.23	0.105
3	QPSK	1	8	20.25	0.106	20.20	0.105	20.14	0.103
3	QPSK	1	14	20.06	0.101	20.28	0.107	20.09	0.102
3	QPSK	8	0	19.12	0.082	19.26	0.084	19.31	0.085
3	QPSK	8	4	19.17	0.083	19.05	0.080	19.33	0.086
3	QPSK	8	7	19.08	0.081	19.28	0.085	19.25	0.084
3	QPSK	15	0	19.27	0.085	19.34	0.086	19.22	0.084
3	16QAM	1	0	19.24	0.084	19.13	0.082	19.10	0.081
3	16QAM	1	8	19.19	0.083	19.05	0.080	19.06	0.081
3	16QAM	1	14	19.18	0.083	19.28	0.085	19.15	0.082
3	16QAM	8	0	18.34	0.068	18.13	0.065	18.19	0.066
3	16QAM	8	4	18.14	0.065	18.01	0.063	18.25	0.067
3	16QAM	8	7	18.18	0.066	18.31	0.068	18.08	0.064
3	16QAM	15	0	18.08	0.064	18.23	0.067	18.00	0.063
3	64QAM	1	0	18.28	0.067	18.17	0.066	18.23	0.067
3	64QAM	1	8	18.07	0.064	18.23	0.067	18.01	0.063
3	64QAM	1	14	18.17	0.066	18.27	0.067	18.19	0.066
3	64QAM	8	0	17.27	0.053	17.16	0.052	17.10	0.051
3	64QAM	8	4	17.24	0.053	17.30	0.054	17.08	0.051
3	64QAM	8	7	17.08	0.051	17.08	0.051	17.32	0.054
3	64QAM	15	0	17.03	0.050	17.20	0.052	17.32	0.054



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131979		132322		132665	
Frequency (MHz)				1710.7		1745		1779.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	20.23	0.105	20.35	0.108	20.15	0.104
1.4	QPSK	1	3	20.32	0.108	20.15	0.104	20.03	0.101
1.4	QPSK	1	5	20.20	0.105	20.09	0.102	20.04	0.101
1.4	QPSK	3	0	19.25	0.084	19.37	0.086	19.37	0.086
1.4	QPSK	3	1	19.25	0.084	19.25	0.084	19.11	0.081
1.4	QPSK	3	3	19.35	0.086	19.11	0.081	19.16	0.082
1.4	QPSK	6	0	19.31	0.085	19.35	0.086	19.26	0.084
1.4	16QAM	1	0	19.18	0.083	19.23	0.084	19.28	0.085
1.4	16QAM	1	3	18.97	0.079	19.04	0.080	19.21	0.083
1.4	16QAM	1	5	19.16	0.082	19.08	0.081	19.22	0.084
1.4	16QAM	3	0	18.21	0.066	18.31	0.068	18.39	0.069
1.4	16QAM	3	1	18.08	0.064	18.17	0.066	18.21	0.066
1.4	16QAM	3	3	18.16	0.065	18.24	0.067	18.03	0.064
1.4	16QAM	6	0	18.13	0.065	18.16	0.065	18.11	0.065
1.4	64QAM	1	0	18.22	0.066	18.28	0.067	18.33	0.068
1.4	64QAM	1	3	18.07	0.064	18.07	0.064	18.03	0.064
1.4	64QAM	1	5	18.31	0.068	18.23	0.067	18.37	0.069
1.4	64QAM	3	0	17.34	0.054	17.16	0.052	17.09	0.051
1.4	64QAM	3	1	17.37	0.055	17.23	0.053	17.31	0.054
1.4	64QAM	3	3	17.15	0.052	17.08	0.051	17.32	0.054
1.4	64QAM	6	0	17.24	0.053	17.17	0.052	17.28	0.053



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	24.38	0.274	24.43	0.277	24.29	0.269
20	QPSK	1	49	24.35	0.272	24.35	0.272	24.27	0.267
20	QPSK	1	99	24.28	0.268	24.33	0.271	24.22	0.264
20	QPSK	50	0	23.33	0.215	23.45	0.221	23.35	0.216
20	QPSK	50	24	23.22	0.210	23.22	0.210	23.29	0.213
20	QPSK	50	50	23.31	0.214	23.32	0.215	23.25	0.211
20	QPSK	100	0	23.30	0.214	23.37	0.217	23.31	0.214
20	16QAM	1	0	23.20	0.209	23.37	0.217	23.24	0.211
20	16QAM	1	49	23.22	0.210	23.27	0.212	23.21	0.209
20	16QAM	1	99	23.21	0.209	23.26	0.212	23.19	0.208
20	16QAM	50	0	22.34	0.172	22.27	0.169	22.38	0.173
20	16QAM	50	24	22.14	0.164	22.24	0.167	22.22	0.167
20	16QAM	50	50	22.25	0.168	22.30	0.170	22.27	0.169
20	16QAM	100	0	22.16	0.164	22.26	0.168	22.16	0.164
20	64QAM	1	0	22.35	0.172	22.31	0.170	22.38	0.173
20	64QAM	1	49	22.15	0.164	22.22	0.167	22.21	0.166
20	64QAM	1	99	22.38	0.173	22.48	0.177	22.38	0.173
20	64QAM	50	0	21.33	0.136	21.15	0.130	21.30	0.135
20	64QAM	50	24	21.32	0.136	21.34	0.136	21.30	0.135
20	64QAM	50	50	21.28	0.134	21.26	0.134	21.48	0.141
20	64QAM	100	0	21.20	0.132	21.22	0.132	21.27	0.134



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18675		18900		19125	
Frequency (MHz)				1857.5		1880		1902.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	24.28	0.268	24.40	0.275	24.14	0.259
15	QPSK	1	37	24.33	0.271	24.26	0.267	24.19	0.262
15	QPSK	1	74	24.36	0.273	24.39	0.275	24.16	0.261
15	QPSK	36	0	23.23	0.210	23.32	0.215	23.26	0.212
15	QPSK	36	20	23.15	0.207	23.32	0.215	23.29	0.213
15	QPSK	36	39	23.22	0.210	23.34	0.216	23.17	0.207
15	QPSK	75	0	23.29	0.213	23.23	0.210	23.26	0.212
15	16QAM	1	0	23.31	0.214	23.47	0.222	23.37	0.217
15	16QAM	1	37	23.24	0.211	23.31	0.214	23.11	0.205
15	16QAM	1	74	23.24	0.211	23.37	0.217	23.17	0.207
15	16QAM	36	0	22.39	0.174	22.20	0.166	22.30	0.170
15	16QAM	36	20	22.10	0.162	22.11	0.163	22.29	0.169
15	16QAM	36	39	22.33	0.171	22.37	0.173	22.12	0.163
15	16QAM	75	0	22.25	0.168	22.22	0.167	22.22	0.167
15	64QAM	1	0	22.29	0.169	22.33	0.171	22.44	0.175
15	64QAM	1	37	22.31	0.170	22.12	0.163	22.18	0.165
15	64QAM	1	74	22.47	0.177	22.48	0.177	22.33	0.171
15	64QAM	36	0	21.27	0.134	21.26	0.134	21.41	0.138
15	64QAM	36	20	21.27	0.134	21.19	0.132	21.34	0.136
15	64QAM	36	39	21.33	0.136	21.23	0.133	21.33	0.136
15	64QAM	75	0	21.26	0.134	21.27	0.134	21.19	0.132



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18650		18900		19150	
Frequency (MHz)				1855		1880		1905	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	24.33	0.271	24.42	0.277	24.32	0.270
10	QPSK	1	25	24.22	0.264	24.23	0.265	24.30	0.269
10	QPSK	1	49	24.35	0.272	24.19	0.262	24.33	0.271
10	QPSK	25	0	23.27	0.212	23.40	0.219	23.43	0.220
10	QPSK	25	12	23.15	0.207	23.18	0.208	23.29	0.213
10	QPSK	25	25	23.32	0.215	23.32	0.215	23.30	0.214
10	QPSK	50	0	23.41	0.219	23.37	0.217	23.42	0.220
10	16QAM	1	0	23.10	0.204	23.34	0.216	23.18	0.208
10	16QAM	1	25	23.32	0.215	23.40	0.219	23.11	0.205
10	16QAM	1	49	23.06	0.202	23.16	0.207	23.30	0.214
10	16QAM	25	0	22.32	0.171	22.16	0.164	22.25	0.168
10	16QAM	25	12	22.13	0.163	22.09	0.162	22.29	0.169
10	16QAM	25	25	22.32	0.171	22.35	0.172	22.33	0.171
10	16QAM	50	0	22.02	0.159	22.22	0.167	22.22	0.167
10	64QAM	1	0	22.40	0.174	22.25	0.168	22.22	0.167
10	64QAM	1	25	22.23	0.167	22.17	0.165	22.32	0.171
10	64QAM	1	49	22.26	0.168	22.43	0.175	22.47	0.177
10	64QAM	25	0	21.43	0.139	21.26	0.134	21.42	0.139
10	64QAM	25	12	21.43	0.139	21.36	0.137	21.36	0.137
10	64QAM	25	25	21.43	0.139	21.32	0.136	21.33	0.136
10	64QAM	50	0	21.25	0.133	21.36	0.137	21.33	0.136



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18625		18900		19175	
Frequency (MHz)				1852.5		1880		1907.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	24.35	0.272	24.38	0.274	24.14	0.259
5	QPSK	1	12	24.29	0.269	24.28	0.268	24.35	0.272
5	QPSK	1	24	24.19	0.262	24.36	0.273	24.24	0.265
5	QPSK	12	0	23.25	0.211	23.34	0.216	23.46	0.222
5	QPSK	12	7	23.11	0.205	23.27	0.212	23.24	0.211
5	QPSK	12	13	23.36	0.217	23.20	0.209	23.29	0.213
5	QPSK	25	0	23.41	0.219	23.34	0.216	23.37	0.217
5	16QAM	1	0	23.06	0.202	23.44	0.221	23.31	0.214
5	16QAM	1	12	23.07	0.203	23.42	0.220	23.18	0.208
5	16QAM	1	24	23.22	0.210	23.37	0.217	23.06	0.202
5	16QAM	12	0	22.38	0.173	22.28	0.169	22.44	0.175
5	16QAM	12	7	22.29	0.169	22.19	0.166	22.28	0.169
5	16QAM	12	13	22.38	0.173	22.45	0.176	22.23	0.167
5	16QAM	25	0	22.07	0.161	22.21	0.166	22.11	0.163
5	64QAM	1	0	22.22	0.167	22.39	0.173	22.26	0.168
5	64QAM	1	12	22.23	0.167	22.31	0.170	22.30	0.170
5	64QAM	1	24	22.26	0.168	22.56	0.180	22.43	0.175
5	64QAM	12	0	21.35	0.136	21.30	0.135	21.27	0.134
5	64QAM	12	7	21.39	0.138	21.40	0.138	21.44	0.139
5	64QAM	12	13	21.20	0.132	21.24	0.133	21.57	0.144
5	64QAM	25	0	21.07	0.128	21.36	0.137	21.33	0.136



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18615		18900		19185	
Frequency (MHz)				1851.5		1880		1908.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	24.32	0.270	24.37	0.274	24.23	0.265
3	QPSK	1	8	24.35	0.272	24.40	0.275	24.14	0.259
3	QPSK	1	14	24.15	0.260	24.28	0.268	24.24	0.265
3	QPSK	8	0	23.23	0.210	23.30	0.214	23.26	0.212
3	QPSK	8	4	23.21	0.209	23.21	0.209	23.14	0.206
3	QPSK	8	7	23.27	0.212	23.23	0.210	23.16	0.207
3	QPSK	15	0	23.28	0.213	23.45	0.221	23.33	0.215
3	16QAM	1	0	23.21	0.209	23.40	0.219	23.31	0.214
3	16QAM	1	8	23.27	0.212	23.36	0.217	23.06	0.202
3	16QAM	1	14	23.09	0.204	23.18	0.208	23.34	0.216
3	16QAM	8	0	22.43	0.175	22.35	0.172	22.41	0.174
3	16QAM	8	4	22.18	0.165	22.10	0.162	22.23	0.167
3	16QAM	8	7	22.27	0.169	22.41	0.174	22.14	0.164
3	16QAM	15	0	22.20	0.166	22.41	0.174	22.04	0.160
3	64QAM	1	0	22.42	0.175	22.19	0.166	22.29	0.169
3	64QAM	1	8	22.03	0.160	22.34	0.171	22.16	0.164
3	64QAM	1	14	22.27	0.169	22.42	0.175	22.36	0.172
3	64QAM	8	0	21.45	0.140	21.26	0.134	21.37	0.137
3	64QAM	8	4	21.42	0.139	21.44	0.139	21.44	0.139
3	64QAM	8	7	21.28	0.134	21.14	0.130	21.38	0.137
3	64QAM	15	0	21.14	0.130	21.20	0.132	21.33	0.136



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18607		18900		19193	
Frequency (MHz)				1850.7		1880		1909.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	24.33	0.271	24.40	0.275	24.22	0.264
1.4	QPSK	1	3	24.36	0.273	24.31	0.270	24.17	0.261
1.4	QPSK	1	5	24.40	0.275	24.28	0.268	24.23	0.265
1.4	QPSK	3	0	23.32	0.215	23.33	0.215	23.27	0.212
1.4	QPSK	3	1	23.28	0.213	23.11	0.205	23.38	0.218
1.4	QPSK	3	3	23.31	0.214	23.27	0.212	23.18	0.208
1.4	QPSK	6	0	23.35	0.216	23.39	0.218	23.39	0.218
1.4	16QAM	1	0	23.17	0.207	23.45	0.221	23.13	0.206
1.4	16QAM	1	3	23.07	0.203	23.21	0.209	23.23	0.210
1.4	16QAM	1	5	23.26	0.212	23.38	0.218	23.30	0.214
1.4	16QAM	3	0	22.47	0.177	22.38	0.173	22.31	0.170
1.4	16QAM	3	1	22.15	0.164	22.12	0.163	22.34	0.171
1.4	16QAM	3	3	22.23	0.167	22.29	0.169	22.38	0.173
1.4	16QAM	6	0	22.24	0.167	22.15	0.164	22.16	0.164
1.4	64QAM	1	0	22.27	0.169	22.22	0.167	22.38	0.173
1.4	64QAM	1	3	22.14	0.164	22.20	0.166	22.25	0.168
1.4	64QAM	1	5	22.27	0.169	22.41	0.174	22.46	0.176
1.4	64QAM	3	0	22.31	0.170	22.04	0.160	22.36	0.172
1.4	64QAM	3	1	22.42	0.175	22.28	0.169	22.31	0.170
1.4	64QAM	3	3	22.26	0.168	22.31	0.170	22.49	0.177
1.4	64QAM	6	0	21.30	0.135	21.24	0.133	21.20	0.132



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20050		20175		20300	
Frequency (MHz)				1720		1732.5		1745	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	22.44	0.175	22.58	0.181	22.45	0.176
20	QPSK	1	49	22.38	0.173	22.38	0.173	22.36	0.172
20	QPSK	1	99	22.35	0.172	22.39	0.173	22.30	0.170
20	QPSK	50	0	21.49	0.141	21.53	0.142	21.48	0.141
20	QPSK	50	24	21.31	0.135	21.36	0.137	21.26	0.134
20	QPSK	50	50	21.42	0.139	21.29	0.135	21.34	0.136
20	QPSK	100	0	21.38	0.137	21.33	0.136	21.45	0.140
20	16QAM	1	0	21.34	0.136	21.46	0.140	21.34	0.136
20	16QAM	1	49	21.42	0.139	21.36	0.137	21.34	0.136
20	16QAM	1	99	21.35	0.136	21.35	0.136	21.40	0.138
20	16QAM	50	0	20.40	0.110	20.49	0.112	20.46	0.111
20	16QAM	50	24	20.31	0.107	20.37	0.109	20.40	0.110
20	16QAM	50	50	20.35	0.108	20.36	0.109	20.32	0.108
20	16QAM	100	0	20.30	0.107	20.34	0.108	20.29	0.107
20	64QAM	1	0	20.33	0.108	20.37	0.109	20.45	0.111
20	64QAM	1	49	20.36	0.109	20.31	0.107	20.38	0.109
20	64QAM	1	99	20.51	0.112	20.58	0.114	20.36	0.109
20	64QAM	50	0	19.45	0.088	19.53	0.090	19.41	0.087
20	64QAM	50	24	19.43	0.088	19.44	0.088	19.49	0.089
20	64QAM	50	50	19.43	0.088	19.33	0.086	19.59	0.091
20	64QAM	100	0	19.37	0.086	19.24	0.084	19.33	0.086



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	22.36	0.172	22.53	0.179	22.39	0.173
15	QPSK	1	37	22.41	0.174	22.49	0.177	22.42	0.175
15	QPSK	1	74	22.35	0.172	22.37	0.173	22.34	0.171
15	QPSK	36	0	21.27	0.134	21.39	0.138	21.40	0.138
15	QPSK	36	20	21.38	0.137	21.28	0.134	21.26	0.134
15	QPSK	36	39	21.46	0.140	21.35	0.136	21.41	0.138
15	QPSK	75	0	21.33	0.136	21.52	0.142	21.45	0.140
15	16QAM	1	0	21.31	0.135	21.32	0.136	21.43	0.139
15	16QAM	1	37	21.41	0.138	21.36	0.137	21.38	0.137
15	16QAM	1	74	21.27	0.134	21.29	0.135	21.34	0.136
15	16QAM	36	0	20.39	0.109	20.42	0.110	20.41	0.110
15	16QAM	36	20	20.32	0.108	20.27	0.106	20.34	0.108
15	16QAM	36	39	20.33	0.108	20.40	0.110	20.30	0.107
15	16QAM	75	0	20.39	0.109	20.43	0.110	20.41	0.110
15	64QAM	1	0	20.46	0.111	20.57	0.114	20.49	0.112
15	64QAM	1	37	20.39	0.109	20.34	0.108	20.36	0.109
15	64QAM	1	74	20.37	0.109	20.38	0.109	20.32	0.108
15	64QAM	36	0	19.44	0.088	19.45	0.088	19.36	0.086
15	64QAM	36	20	19.40	0.087	19.48	0.089	19.34	0.086
15	64QAM	36	39	19.34	0.086	19.35	0.086	19.52	0.090
15	64QAM	75	0	19.45	0.088	19.39	0.087	19.42	0.087



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	22.42	0.175	22.56	0.180	22.44	0.175
10	QPSK	1	25	22.48	0.177	22.41	0.174	22.36	0.172
10	QPSK	1	49	22.36	0.172	22.45	0.176	22.43	0.175
10	QPSK	25	0	21.29	0.135	21.48	0.141	21.49	0.141
10	QPSK	25	12	21.42	0.139	21.35	0.136	21.38	0.137
10	QPSK	25	25	21.36	0.137	21.37	0.137	21.39	0.138
10	QPSK	50	0	21.53	0.142	21.38	0.137	21.55	0.143
10	16QAM	1	0	21.40	0.138	21.38	0.137	21.36	0.137
10	16QAM	1	25	21.32	0.136	21.34	0.136	21.38	0.137
10	16QAM	1	49	21.39	0.138	21.41	0.138	21.45	0.140
10	16QAM	25	0	20.47	0.112	20.40	0.110	20.43	0.110
10	16QAM	25	12	20.34	0.108	20.31	0.107	20.31	0.107
10	16QAM	25	25	20.40	0.110	20.35	0.108	20.32	0.108
10	16QAM	50	0	20.30	0.107	20.39	0.109	20.42	0.110
10	64QAM	1	0	20.49	0.112	20.52	0.113	20.49	0.112
10	64QAM	1	25	20.30	0.107	20.36	0.109	20.42	0.110
10	64QAM	1	49	20.27	0.106	20.48	0.112	20.48	0.112
10	64QAM	25	0	19.40	0.087	19.39	0.087	19.50	0.089
10	64QAM	25	12	19.33	0.086	19.35	0.086	19.35	0.086
10	64QAM	25	25	19.39	0.087	19.41	0.087	19.42	0.087
10	64QAM	50	0	19.46	0.088	19.39	0.087	19.38	0.087



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	22.48	0.177	22.57	0.181	22.32	0.171
5	QPSK	1	12	22.45	0.176	22.34	0.171	22.42	0.175
5	QPSK	1	24	22.35	0.172	22.26	0.168	22.39	0.173
5	QPSK	12	0	21.36	0.137	21.51	0.142	21.41	0.138
5	QPSK	12	7	21.37	0.137	21.34	0.136	21.36	0.137
5	QPSK	12	13	21.28	0.134	21.21	0.132	21.36	0.137
5	QPSK	25	0	21.24	0.133	21.36	0.137	21.61	0.145
5	16QAM	1	0	21.37	0.137	21.48	0.141	21.37	0.137
5	16QAM	1	12	21.41	0.138	21.29	0.135	21.36	0.137
5	16QAM	1	24	21.29	0.135	21.34	0.136	21.45	0.140
5	16QAM	12	0	20.38	0.109	20.36	0.109	20.41	0.110
5	16QAM	12	7	20.27	0.106	20.36	0.109	20.24	0.106
5	16QAM	12	13	20.29	0.107	20.41	0.110	20.38	0.109
5	16QAM	25	0	20.36	0.109	20.32	0.108	20.28	0.107
5	64QAM	1	0	20.46	0.111	20.50	0.112	20.47	0.111
5	64QAM	1	12	20.41	0.110	20.37	0.109	20.33	0.108
5	64QAM	1	24	20.50	0.112	20.59	0.115	20.37	0.109
5	64QAM	12	0	19.37	0.086	19.41	0.087	19.45	0.088
5	64QAM	12	7	19.37	0.086	19.35	0.086	19.40	0.087
5	64QAM	12	13	19.30	0.085	19.21	0.083	19.52	0.090
5	64QAM	25	0	19.30	0.085	19.26	0.084	19.34	0.086



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	22.35	0.172	22.55	0.180	22.41	0.174
3	QPSK	1	8	22.39	0.173	22.40	0.174	22.38	0.173
3	QPSK	1	14	22.36	0.172	22.37	0.173	22.39	0.173
3	QPSK	8	0	21.25	0.133	21.54	0.143	21.29	0.135
3	QPSK	8	4	21.31	0.135	21.32	0.136	21.22	0.132
3	QPSK	8	7	21.29	0.135	21.46	0.140	21.35	0.136
3	QPSK	15	0	21.44	0.139	21.38	0.137	21.61	0.145
3	16QAM	1	0	21.31	0.135	21.50	0.141	21.33	0.136
3	16QAM	1	8	21.40	0.138	21.42	0.139	21.34	0.136
3	16QAM	1	14	21.36	0.137	21.30	0.135	21.35	0.136
3	16QAM	8	0	20.26	0.106	20.32	0.108	20.53	0.113
3	16QAM	8	4	20.26	0.106	20.35	0.108	20.27	0.106
3	16QAM	8	7	20.31	0.107	20.30	0.107	20.35	0.108
3	16QAM	15	0	20.09	0.102	20.35	0.108	20.25	0.106
3	64QAM	1	0	20.30	0.107	20.37	0.109	20.36	0.109
3	64QAM	1	8	20.30	0.107	20.22	0.105	20.06	0.101
3	64QAM	1	14	20.37	0.109	20.53	0.113	20.53	0.113
3	64QAM	8	0	19.31	0.085	19.30	0.085	19.45	0.088
3	64QAM	8	4	19.36	0.086	19.29	0.085	19.29	0.085
3	64QAM	8	7	19.25	0.084	19.38	0.087	19.36	0.086
3	64QAM	15	0	19.12	0.082	19.27	0.085	19.19	0.083



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	22.52	0.179	22.56	0.180	22.36	0.172
1.4	QPSK	1	3	22.47	0.177	22.42	0.175	22.44	0.175
1.4	QPSK	1	5	22.35	0.172	22.43	0.175	22.32	0.171
1.4	QPSK	3	0	21.36	0.137	21.40	0.138	21.45	0.140
1.4	QPSK	3	1	21.38	0.137	21.34	0.136	21.33	0.136
1.4	QPSK	3	3	21.36	0.137	21.26	0.134	21.30	0.135
1.4	QPSK	6	0	21.35	0.136	21.27	0.134	21.62	0.145
1.4	16QAM	1	0	21.35	0.136	21.35	0.136	21.38	0.137
1.4	16QAM	1	3	21.29	0.135	21.30	0.135	21.25	0.133
1.4	16QAM	1	5	21.31	0.135	21.26	0.134	21.34	0.136
1.4	16QAM	3	0	20.31	0.107	20.32	0.108	20.37	0.109
1.4	16QAM	3	1	20.30	0.107	20.39	0.109	20.34	0.108
1.4	16QAM	3	3	20.36	0.109	20.36	0.109	20.40	0.110
1.4	16QAM	6	0	20.31	0.107	20.36	0.109	20.35	0.108
1.4	64QAM	1	0	20.48	0.112	20.41	0.110	20.40	0.110
1.4	64QAM	1	3	20.31	0.107	20.28	0.107	20.34	0.108
1.4	64QAM	1	5	20.41	0.110	20.52	0.113	20.53	0.113
1.4	64QAM	3	0	19.37	0.086	19.40	0.087	19.35	0.086
1.4	64QAM	3	1	19.31	0.085	19.26	0.084	19.41	0.087
1.4	64QAM	3	3	19.39	0.087	19.31	0.085	19.58	0.091
1.4	64QAM	6	0	19.28	0.085	19.41	0.087	19.38	0.087



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20450		20525		20600	
Frequency (MHz)				829		836.5		844	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	20.05	0.101	20.09	0.102	19.98	0.100
10	QPSK	1	25	19.92	0.098	19.88	0.097	19.96	0.099
10	QPSK	1	49	19.85	0.097	20.02	0.100	19.89	0.097
10	QPSK	25	0	18.90	0.078	19.11	0.081	18.94	0.078
10	QPSK	25	12	18.81	0.076	18.94	0.078	18.91	0.078
10	QPSK	25	25	18.92	0.078	18.86	0.077	18.87	0.077
10	QPSK	50	0	18.88	0.077	18.89	0.077	18.91	0.078
10	16QAM	1	0	19.05	0.080	19.01	0.080	18.89	0.077
10	16QAM	1	25	18.97	0.079	18.93	0.078	18.92	0.078
10	16QAM	1	49	19.07	0.081	19.00	0.079	18.85	0.077
10	16QAM	25	0	17.96	0.063	18.01	0.063	17.80	0.060
10	16QAM	25	12	17.94	0.062	17.91	0.062	18.02	0.063
10	16QAM	25	25	17.91	0.062	17.88	0.061	17.86	0.061
10	16QAM	50	0	17.94	0.062	17.87	0.061	17.79	0.060
10	64QAM	1	0	17.85	0.061	17.90	0.062	18.03	0.064
10	64QAM	1	25	17.83	0.061	17.87	0.061	17.94	0.062
10	64QAM	1	49	17.80	0.060	17.99	0.063	17.88	0.061
10	64QAM	25	0	17.02	0.050	17.05	0.051	16.83	0.048
10	64QAM	25	12	16.97	0.050	16.80	0.048	16.89	0.049
10	64QAM	25	25	16.91	0.049	16.77	0.048	17.10	0.051
10	64QAM	50	0	17.00	0.050	16.85	0.048	16.91	0.049



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20425		20525		20625	
Frequency (MHz)				826.5		836.5		846.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	19.99	0.100	20.06	0.101	19.84	0.096
5	QPSK	1	12	20.04	0.101	19.90	0.098	19.90	0.098
5	QPSK	1	24	19.92	0.098	20.02	0.100	19.86	0.097
5	QPSK	12	0	19.03	0.080	18.93	0.078	18.88	0.077
5	QPSK	12	7	18.84	0.077	18.84	0.077	18.95	0.079
5	QPSK	12	13	18.91	0.078	18.99	0.079	18.82	0.076
5	QPSK	25	0	18.88	0.077	18.98	0.079	19.05	0.080
5	16QAM	1	0	18.84	0.077	19.01	0.080	18.84	0.077
5	16QAM	1	12	18.94	0.078	18.86	0.077	18.78	0.076
5	16QAM	1	24	18.86	0.077	18.93	0.078	18.77	0.075
5	16QAM	12	0	17.90	0.062	17.86	0.061	17.83	0.061
5	16QAM	12	7	17.85	0.061	17.94	0.062	17.85	0.061
5	16QAM	12	13	17.85	0.061	17.82	0.061	17.78	0.060
5	16QAM	25	0	17.77	0.060	17.84	0.061	17.90	0.062
5	64QAM	1	0	17.93	0.062	17.93	0.062	18.05	0.064
5	64QAM	1	12	17.82	0.061	17.89	0.062	17.90	0.062
5	64QAM	1	24	18.06	0.064	18.02	0.063	17.78	0.060
5	64QAM	12	0	16.86	0.049	16.80	0.048	16.95	0.050
5	64QAM	12	7	16.87	0.049	16.90	0.049	16.90	0.049
5	64QAM	12	13	16.86	0.049	16.89	0.049	16.88	0.049
5	64QAM	25	0	16.84	0.048	16.92	0.049	16.91	0.049



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20415		20525		20635	
Frequency (MHz)				825.5		836.5		847.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	19.91	0.098	20.07	0.102	19.95	0.099
3	QPSK	1	8	19.84	0.096	19.85	0.097	19.91	0.098
3	QPSK	1	14	19.98	0.100	19.88	0.097	19.87	0.097
3	QPSK	8	0	18.88	0.077	19.09	0.081	18.83	0.076
3	QPSK	8	4	18.94	0.078	18.93	0.078	18.81	0.076
3	QPSK	8	7	18.83	0.076	18.83	0.076	18.90	0.078
3	QPSK	15	0	18.85	0.077	18.87	0.077	19.04	0.080
3	16QAM	1	0	18.84	0.077	18.96	0.079	18.81	0.076
3	16QAM	1	8	18.92	0.078	18.84	0.077	18.84	0.077
3	16QAM	1	14	18.66	0.073	18.88	0.077	18.85	0.077
3	16QAM	8	0	17.88	0.061	18.00	0.063	18.04	0.064
3	16QAM	8	4	17.82	0.061	17.88	0.061	17.84	0.061
3	16QAM	8	7	17.95	0.062	17.77	0.060	17.76	0.060
3	16QAM	15	0	17.83	0.061	17.82	0.061	17.88	0.061
3	64QAM	1	0	17.90	0.062	17.86	0.061	17.89	0.062
3	64QAM	1	8	17.91	0.062	17.80	0.060	17.89	0.062
3	64QAM	1	14	17.88	0.061	18.11	0.065	17.81	0.060
3	64QAM	8	0	16.92	0.049	17.03	0.050	16.83	0.048
3	64QAM	8	4	16.98	0.050	16.96	0.050	16.97	0.050
3	64QAM	8	7	16.91	0.049	16.88	0.049	17.11	0.051
3	64QAM	15	0	16.84	0.048	16.84	0.048	16.86	0.049



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20407		20525		20643	
Frequency (MHz)				824.7		836.5		848.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	19.98	0.100	20.04	0.101	19.93	0.098
1.4	QPSK	1	3	19.89	0.097	19.98	0.100	19.91	0.098
1.4	QPSK	1	5	19.84	0.096	20.00	0.100	19.85	0.097
1.4	QPSK	3	0	18.84	0.077	19.09	0.081	18.91	0.078
1.4	QPSK	3	1	18.91	0.078	18.83	0.076	18.99	0.079
1.4	QPSK	3	3	18.92	0.078	18.92	0.078	18.94	0.078
1.4	QPSK	6	0	18.91	0.078	18.88	0.077	19.14	0.082
1.4	16QAM	1	0	18.94	0.078	18.89	0.077	18.89	0.077
1.4	16QAM	1	3	18.85	0.077	18.88	0.077	19.03	0.080
1.4	16QAM	1	5	18.91	0.078	18.95	0.079	18.94	0.078
1.4	16QAM	3	0	17.81	0.060	17.85	0.061	18.04	0.064
1.4	16QAM	3	1	17.83	0.061	17.79	0.060	17.85	0.061
1.4	16QAM	3	3	17.79	0.060	17.90	0.062	17.84	0.061
1.4	16QAM	6	0	17.80	0.060	17.78	0.060	17.69	0.059
1.4	64QAM	1	0	17.79	0.060	17.71	0.059	17.80	0.060
1.4	64QAM	1	3	17.75	0.060	17.90	0.062	17.78	0.060
1.4	64QAM	1	5	17.94	0.062	18.04	0.064	17.96	0.063
1.4	64QAM	3	0	16.91	0.049	16.95	0.050	16.82	0.048
1.4	64QAM	3	1	16.84	0.048	17.04	0.051	16.93	0.049
1.4	64QAM	3	3	16.91	0.049	16.90	0.049	16.91	0.049
1.4	64QAM	6	0	16.87	0.049	16.82	0.048	16.91	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				20850		21100		21350	
Frequency (MHz)				2510		2535		2560	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	24.61	0.289	24.80	0.302	24.73	0.297
20	QPSK	1	49	24.62	0.290	24.65	0.292	24.64	0.291
20	QPSK	1	99	24.67	0.293	24.64	0.291	24.58	0.287
20	QPSK	50	0	23.76	0.238	23.87	0.244	23.79	0.239
20	QPSK	50	24	23.64	0.231	23.60	0.229	23.69	0.234
20	QPSK	50	50	23.55	0.226	23.77	0.238	23.61	0.230
20	QPSK	100	0	23.69	0.234	23.69	0.234	23.72	0.236
20	16QAM	1	0	23.59	0.229	23.73	0.236	23.63	0.231
20	16QAM	1	49	23.60	0.229	23.62	0.230	23.68	0.233
20	16QAM	1	99	23.54	0.226	23.59	0.229	23.65	0.232
20	16QAM	50	0	22.70	0.186	22.67	0.185	22.64	0.184
20	16QAM	50	24	22.66	0.185	22.63	0.183	22.66	0.185
20	16QAM	50	50	22.59	0.182	22.59	0.182	22.70	0.186
20	16QAM	100	0	22.70	0.186	22.60	0.182	22.64	0.184
20	64QAM	1	0	22.61	0.182	22.69	0.186	22.65	0.184
20	64QAM	1	49	22.73	0.187	22.63	0.183	22.61	0.182
20	64QAM	1	99	22.72	0.187	22.84	0.192	22.73	0.187
20	64QAM	50	0	21.74	0.149	21.80	0.151	21.72	0.149
20	64QAM	50	24	21.77	0.150	21.69	0.148	21.73	0.149
20	64QAM	50	50	21.69	0.148	21.64	0.146	21.63	0.146
20	64QAM	100	0	21.52	0.142	21.57	0.144	21.72	0.149



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	24.71	0.296	24.78	0.301	24.73	0.297
15	QPSK	1	37	24.76	0.299	24.69	0.294	24.61	0.289
15	QPSK	1	74	24.56	0.286	24.59	0.288	24.55	0.285
15	QPSK	36	0	23.60	0.229	23.83	0.242	23.61	0.230
15	QPSK	36	20	23.60	0.229	23.67	0.233	23.74	0.237
15	QPSK	36	39	23.66	0.232	23.58	0.228	23.61	0.230
15	QPSK	75	0	23.61	0.230	23.77	0.238	23.71	0.235
15	16QAM	1	0	23.73	0.236	23.75	0.237	23.81	0.240
15	16QAM	1	37	23.64	0.231	23.63	0.231	23.61	0.230
15	16QAM	1	74	23.72	0.236	23.67	0.233	23.63	0.231
15	16QAM	36	0	22.56	0.180	22.57	0.181	22.62	0.183
15	16QAM	36	20	22.68	0.185	22.55	0.180	22.52	0.179
15	16QAM	36	39	22.70	0.186	22.71	0.187	22.61	0.182
15	16QAM	75	0	22.61	0.182	22.64	0.184	22.61	0.182
15	64QAM	1	0	22.77	0.189	22.75	0.188	22.66	0.185
15	64QAM	1	37	22.63	0.183	22.58	0.181	22.59	0.182
15	64QAM	1	74	22.65	0.184	22.73	0.187	22.61	0.182
15	64QAM	36	0	21.77	0.150	21.70	0.148	21.75	0.150
15	64QAM	36	20	21.61	0.145	21.64	0.146	21.63	0.146
15	64QAM	36	39	21.70	0.148	21.65	0.146	21.76	0.150
15	64QAM	75	0	21.59	0.144	21.64	0.146	21.71	0.148



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	24.74	0.298	24.75	0.299	24.64	0.291
10	QPSK	1	25	24.64	0.291	24.64	0.291	24.67	0.293
10	QPSK	1	49	24.70	0.295	24.66	0.292	24.67	0.293
10	QPSK	25	0	23.58	0.228	23.85	0.243	23.54	0.226
10	QPSK	25	12	23.62	0.230	23.60	0.229	23.51	0.224
10	QPSK	25	25	23.54	0.226	23.69	0.234	23.66	0.232
10	QPSK	50	0	23.66	0.232	23.73	0.236	23.95	0.248
10	16QAM	1	0	23.42	0.220	23.75	0.237	23.69	0.234
10	16QAM	1	25	23.66	0.232	23.67	0.233	23.61	0.230
10	16QAM	1	49	23.66	0.232	23.62	0.230	23.63	0.231
10	16QAM	25	0	22.70	0.186	22.75	0.188	22.67	0.185
10	16QAM	25	12	22.66	0.185	22.68	0.185	22.60	0.182
10	16QAM	25	25	22.63	0.183	22.69	0.186	22.74	0.188
10	16QAM	50	0	22.72	0.187	22.66	0.185	22.63	0.183
10	64QAM	1	0	22.58	0.181	22.54	0.179	22.64	0.184
10	64QAM	1	25	22.61	0.182	22.70	0.186	22.63	0.183
10	64QAM	1	49	22.76	0.189	22.75	0.188	22.83	0.192
10	64QAM	25	0	21.72	0.149	21.75	0.150	21.65	0.146
10	64QAM	25	12	21.68	0.147	21.79	0.151	21.75	0.150
10	64QAM	25	25	21.70	0.148	21.69	0.148	21.71	0.148
10	64QAM	50	0	21.73	0.149	21.70	0.148	21.72	0.149



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	24.78	0.301	24.78	0.301	24.64	0.291
5	QPSK	1	12	24.67	0.293	24.72	0.296	24.64	0.291
5	QPSK	1	24	24.60	0.288	24.66	0.292	24.59	0.288
5	QPSK	12	0	23.77	0.238	23.83	0.242	23.74	0.237
5	QPSK	12	7	23.65	0.232	23.69	0.234	23.59	0.229
5	QPSK	12	13	23.62	0.230	23.77	0.238	23.66	0.232
5	QPSK	25	0	23.69	0.234	23.69	0.234	23.71	0.235
5	16QAM	1	0	23.70	0.234	23.81	0.240	23.61	0.230
5	16QAM	1	12	23.55	0.226	23.42	0.220	23.57	0.228
5	16QAM	1	24	23.67	0.233	23.69	0.234	23.66	0.232
5	16QAM	12	0	22.77	0.189	22.73	0.187	22.67	0.185
5	16QAM	12	7	22.76	0.189	22.71	0.187	22.58	0.181
5	16QAM	12	13	22.69	0.186	22.63	0.183	22.65	0.184
5	16QAM	25	0	22.66	0.185	22.59	0.182	22.56	0.180
5	64QAM	1	0	22.78	0.190	22.69	0.186	22.76	0.189
5	64QAM	1	12	22.61	0.182	22.62	0.183	22.59	0.182
5	64QAM	1	24	22.66	0.185	22.76	0.189	22.82	0.191
5	64QAM	12	0	21.61	0.145	21.52	0.142	21.75	0.150
5	64QAM	12	7	21.66	0.147	21.55	0.143	21.69	0.148
5	64QAM	12	13	21.63	0.146	21.63	0.146	21.67	0.147
5	64QAM	25	0	21.51	0.142	21.58	0.144	21.61	0.145



LTE Band 13				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				/		23230		/	
Frequency (MHz)				/		782		/	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	/	/	19.50	0.089	/	/
10	QPSK	1	25	/	/	19.34	0.086	/	/
10	QPSK	1	49	/	/	19.26	0.084	/	/
10	QPSK	25	0	/	/	18.51	0.071	/	/
10	QPSK	25	12	/	/	18.43	0.070	/	/
10	QPSK	25	25	/	/	18.37	0.069	/	/
10	QPSK	50	0	/	/	18.45	0.070	/	/
10	16QAM	1	0	/	/	18.40	0.069	/	/
10	16QAM	1	25	/	/	18.28	0.067	/	/
10	16QAM	1	49	/	/	18.31	0.068	/	/
10	16QAM	25	0	/	/	17.57	0.057	/	/
10	16QAM	25	12	/	/	17.42	0.055	/	/
10	16QAM	25	25	/	/	17.49	0.056	/	/
10	16QAM	50	0	/	/	17.45	0.056	/	/
10	64QAM	1	0	/	/	17.48	0.056	/	/
10	64QAM	1	25	/	/	17.44	0.055	/	/
10	64QAM	1	49	/	/	17.35	0.054	/	/
10	64QAM	25	0	/	/	16.52	0.045	/	/
10	64QAM	25	12	/	/	16.41	0.044	/	/
10	64QAM	25	25	/	/	16.46	0.044	/	/
10	64QAM	50	0	/	/	16.40	0.044	/	/



LTE Band 13				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23205		23230		23255	
Frequency (MHz)				779.5		782		784.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	19.40	0.087	19.46	0.088	19.21	0.083
5	QPSK	1	12	19.45	0.088	19.42	0.087	19.30	0.085
5	QPSK	1	24	19.33	0.086	19.35	0.086	19.20	0.083
5	QPSK	12	0	18.53	0.071	18.58	0.072	18.53	0.071
5	QPSK	12	7	18.32	0.068	18.42	0.070	18.27	0.067
5	QPSK	12	13	18.41	0.069	18.50	0.071	18.33	0.068
5	QPSK	25	0	18.31	0.068	18.31	0.068	18.30	0.068
5	16QAM	1	0	18.22	0.066	18.57	0.072	18.19	0.066
5	16QAM	1	12	18.39	0.069	18.44	0.070	18.40	0.069
5	16QAM	1	24	18.31	0.068	18.39	0.069	18.21	0.066
5	16QAM	12	0	17.35	0.054	17.32	0.054	17.38	0.055
5	16QAM	12	7	17.17	0.052	17.41	0.055	17.13	0.052
5	16QAM	12	13	17.41	0.055	17.24	0.053	17.24	0.053
5	16QAM	25	0	17.20	0.052	17.22	0.053	17.22	0.053
5	64QAM	1	0	17.43	0.055	17.45	0.056	17.54	0.057
5	64QAM	1	12	17.39	0.055	17.28	0.053	17.21	0.053
5	64QAM	1	24	17.46	0.056	17.43	0.055	17.44	0.055
5	64QAM	12	0	16.43	0.044	16.34	0.043	16.35	0.043
5	64QAM	12	7	16.42	0.044	16.43	0.044	16.33	0.043
5	64QAM	12	13	16.32	0.043	16.31	0.043	16.54	0.045
5	64QAM	25	0	16.33	0.043	16.35	0.043	16.46	0.044



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	25.42	0.348	25.50	0.355	25.44	0.350
20	QPSK	1	49	25.30	0.339	25.47	0.352	25.22	0.333
20	QPSK	1	99	25.46	0.352	25.42	0.348	25.36	0.344
20	QPSK	50	0	24.51	0.282	24.53	0.284	24.50	0.282
20	QPSK	50	24	24.37	0.274	24.35	0.272	24.24	0.265
20	QPSK	50	50	24.36	0.273	24.44	0.278	24.25	0.266
20	QPSK	100	0	24.49	0.281	24.32	0.270	24.48	0.281
20	16QAM	1	0	24.45	0.279	24.52	0.283	24.30	0.269
20	16QAM	1	49	24.28	0.268	24.45	0.279	24.27	0.267
20	16QAM	1	99	24.42	0.277	24.32	0.270	24.24	0.265
20	16QAM	50	0	23.37	0.217	23.30	0.214	23.43	0.220
20	16QAM	50	24	23.19	0.208	23.39	0.218	23.33	0.215
20	16QAM	50	50	23.37	0.217	23.29	0.213	23.47	0.222
20	16QAM	100	0	23.38	0.218	23.49	0.223	23.23	0.210
20	64QAM	1	0	23.34	0.216	23.37	0.217	23.55	0.226
20	64QAM	1	49	23.32	0.215	23.27	0.212	23.40	0.219
20	64QAM	1	99	23.55	0.226	23.51	0.224	23.57	0.228
20	64QAM	50	0	22.36	0.172	22.29	0.169	22.45	0.176
20	64QAM	50	24	22.45	0.176	22.52	0.179	22.39	0.173
20	64QAM	50	50	22.40	0.174	22.49	0.177	22.54	0.179
20	64QAM	100	0	22.26	0.168	22.35	0.172	22.22	0.167



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	25.35	0.343	25.46	0.352	25.32	0.340
15	QPSK	1	37	25.45	0.351	25.37	0.344	25.22	0.333
15	QPSK	1	74	25.30	0.339	25.32	0.340	25.28	0.337
15	QPSK	36	0	24.43	0.277	24.59	0.288	24.36	0.273
15	QPSK	36	20	24.39	0.275	24.46	0.279	24.53	0.284
15	QPSK	36	39	24.42	0.277	24.57	0.286	24.44	0.278
15	QPSK	75	0	24.52	0.283	24.42	0.277	24.53	0.284
15	16QAM	1	0	24.32	0.270	24.46	0.279	24.27	0.267
15	16QAM	1	37	24.19	0.262	24.34	0.272	24.46	0.279
15	16QAM	1	74	24.26	0.267	24.43	0.277	24.29	0.269
15	16QAM	36	0	23.33	0.215	23.23	0.210	23.48	0.223
15	16QAM	36	20	23.38	0.218	23.39	0.218	23.24	0.211
15	16QAM	36	39	23.48	0.223	23.53	0.225	23.22	0.210
15	16QAM	75	0	23.16	0.207	23.40	0.219	23.21	0.209
15	64QAM	1	0	23.38	0.218	23.34	0.216	23.53	0.225
15	64QAM	1	37	23.25	0.211	23.36	0.217	23.16	0.207
15	64QAM	1	74	23.46	0.222	23.48	0.223	23.35	0.216
15	64QAM	36	0	22.28	0.169	22.30	0.170	22.39	0.173
15	64QAM	36	20	22.36	0.172	22.36	0.172	22.38	0.173
15	64QAM	36	39	22.52	0.179	22.51	0.178	22.45	0.176
15	64QAM	75	0	22.20	0.166	22.19	0.166	22.45	0.176



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	25.38	0.345	25.48	0.353	25.29	0.338
10	QPSK	1	25	25.30	0.339	25.47	0.352	25.40	0.347
10	QPSK	1	49	25.29	0.338	25.36	0.344	25.17	0.329
10	QPSK	25	0	24.54	0.284	24.41	0.276	24.49	0.281
10	QPSK	25	12	24.46	0.279	24.27	0.267	24.43	0.277
10	QPSK	25	25	24.54	0.284	24.47	0.280	24.45	0.279
10	QPSK	50	0	24.35	0.272	24.62	0.290	24.56	0.286
10	16QAM	1	0	24.43	0.277	24.54	0.284	24.36	0.273
10	16QAM	1	25	24.38	0.274	24.48	0.281	24.16	0.261
10	16QAM	1	49	24.26	0.267	24.51	0.282	24.44	0.278
10	16QAM	25	0	23.38	0.218	23.39	0.218	23.38	0.218
10	16QAM	25	12	23.23	0.210	23.21	0.209	23.27	0.212
10	16QAM	25	25	23.37	0.217	23.50	0.224	23.24	0.211
10	16QAM	50	0	23.29	0.213	23.42	0.220	23.18	0.208
10	64QAM	1	0	23.43	0.220	23.55	0.226	23.62	0.230
10	64QAM	1	25	23.24	0.211	23.46	0.222	23.44	0.221
10	64QAM	1	49	23.38	0.218	23.67	0.233	23.60	0.229
10	64QAM	25	0	22.58	0.181	22.22	0.167	22.53	0.179
10	64QAM	25	12	22.45	0.176	22.37	0.173	22.49	0.177
10	64QAM	25	25	22.28	0.169	22.42	0.175	22.66	0.185
10	64QAM	50	0	22.21	0.166	22.34	0.171	22.33	0.171



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	25.39	0.346	25.47	0.352	25.43	0.349
5	QPSK	1	12	25.42	0.348	25.38	0.345	25.31	0.340
5	QPSK	1	24	25.34	0.342	25.40	0.347	25.25	0.335
5	QPSK	12	0	24.42	0.277	24.53	0.284	24.31	0.270
5	QPSK	12	7	24.37	0.274	24.41	0.276	24.40	0.275
5	QPSK	12	13	24.52	0.283	24.37	0.274	24.46	0.279
5	QPSK	25	0	24.41	0.276	24.54	0.284	24.60	0.288
5	16QAM	1	0	24.20	0.263	24.62	0.290	24.31	0.270
5	16QAM	1	12	24.20	0.263	24.48	0.281	24.31	0.270
5	16QAM	1	24	24.27	0.267	24.47	0.280	24.39	0.275
5	16QAM	12	0	23.36	0.217	23.42	0.220	23.52	0.225
5	16QAM	12	7	23.37	0.217	23.48	0.223	23.23	0.210
5	16QAM	12	13	23.50	0.224	23.50	0.224	23.25	0.211
5	16QAM	25	0	23.34	0.216	23.40	0.219	23.19	0.208
5	64QAM	1	0	23.46	0.222	23.53	0.225	23.36	0.217
5	64QAM	1	12	23.21	0.209	23.34	0.216	23.34	0.216
5	64QAM	1	24	23.50	0.224	23.47	0.222	23.53	0.225
5	64QAM	12	0	22.38	0.173	22.37	0.173	22.31	0.170
5	64QAM	12	7	22.43	0.175	22.37	0.173	22.55	0.180
5	64QAM	12	13	22.39	0.173	22.43	0.175	22.50	0.178
5	64QAM	25	0	22.23	0.167	22.41	0.174	22.38	0.173



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	/	/	23.65	0.232	/	/
10	QPSK	1	25	/	/	23.59	0.229	/	/
10	QPSK	1	49	/	/	23.60	0.229	/	/
10	QPSK	25	0	/	/	22.67	0.185	/	/
10	QPSK	25	12	/	/	22.72	0.187	/	/
10	QPSK	25	25	/	/	22.56	0.180	/	/
10	QPSK	50	0	/	/	22.61	0.182	/	/
10	16QAM	1	0	/	/	22.59	0.182	/	/
10	16QAM	1	25	/	/	22.57	0.181	/	/
10	16QAM	1	49	/	/	22.49	0.177	/	/
10	16QAM	25	0	/	/	21.66	0.147	/	/
10	16QAM	25	12	/	/	21.48	0.141	/	/
10	16QAM	25	25	/	/	21.53	0.142	/	/
10	16QAM	50	0	/	/	21.58	0.144	/	/
10	64QAM	1	0	/	/	21.62	0.145	/	/
10	64QAM	1	25	/	/	21.66	0.147	/	/
10	64QAM	1	49	/	/	21.51	0.142	/	/
10	64QAM	25	0	/	/	20.71	0.118	/	/
10	64QAM	25	12	/	/	20.65	0.116	/	/
10	64QAM	25	25	/	/	20.56	0.114	/	/
10	64QAM	50	0	/	/	20.60	0.115	/	/



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	23.53	0.225	23.63	0.231	23.55	0.226
5	QPSK	1	12	23.58	0.228	23.61	0.230	23.60	0.229
5	QPSK	1	24	23.52	0.225	23.61	0.230	23.46	0.222
5	QPSK	12	0	22.50	0.178	22.90	0.195	22.76	0.189
5	QPSK	12	7	22.67	0.185	22.59	0.182	22.45	0.176
5	QPSK	12	13	22.56	0.180	22.53	0.179	22.59	0.182
5	QPSK	25	0	22.50	0.178	22.70	0.186	22.75	0.188
5	16QAM	1	0	22.35	0.172	22.58	0.181	22.40	0.174
5	16QAM	1	12	22.44	0.175	22.62	0.183	22.48	0.177
5	16QAM	1	24	22.47	0.177	22.64	0.184	22.56	0.180
5	16QAM	12	0	21.76	0.150	21.52	0.142	21.70	0.148
5	16QAM	12	7	21.38	0.137	21.69	0.148	21.56	0.143
5	16QAM	12	13	21.62	0.145	21.50	0.141	21.72	0.149
5	16QAM	25	0	21.43	0.139	21.70	0.148	21.47	0.140
5	64QAM	1	0	21.55	0.143	21.54	0.143	21.74	0.149
5	64QAM	1	12	21.47	0.140	21.59	0.144	21.63	0.146
5	64QAM	1	24	21.68	0.147	21.89	0.155	21.58	0.144
5	64QAM	12	0	20.57	0.114	20.55	0.114	20.67	0.117
5	64QAM	12	7	20.52	0.113	20.64	0.116	20.57	0.114
5	64QAM	12	13	20.58	0.114	20.52	0.113	20.66	0.116
5	64QAM	25	0	20.65	0.116	20.67	0.117	20.68	0.117



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	/	/	23.69	0.234	/	/
10	QPSK	1	25	/	/	23.48	0.223	/	/
10	QPSK	1	49	/	/	23.61	0.230	/	/
10	QPSK	25	0	/	/	22.74	0.188	/	/
10	QPSK	25	12	/	/	22.59	0.182	/	/
10	QPSK	25	25	/	/	22.62	0.183	/	/
10	QPSK	50	0	/	/	22.65	0.184	/	/
10	16QAM	1	0	/	/	22.56	0.180	/	/
10	16QAM	1	25	/	/	22.61	0.182	/	/
10	16QAM	1	49	/	/	22.50	0.178	/	/
10	16QAM	25	0	/	/	21.76	0.150	/	/
10	16QAM	25	12	/	/	21.69	0.148	/	/
10	16QAM	25	25	/	/	21.65	0.146	/	/
10	16QAM	50	0	/	/	21.68	0.147	/	/
10	64QAM	1	0	/	/	21.53	0.142	/	/
10	64QAM	1	25	/	/	21.49	0.141	/	/
10	64QAM	1	49	/	/	21.55	0.143	/	/
10	64QAM	25	0	/	/	20.67	0.117	/	/
10	64QAM	25	12	/	/	20.59	0.115	/	/
10	64QAM	25	25	/	/	20.51	0.112	/	/
10	64QAM	50	0	/	/	20.64	0.116	/	/



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	23.57	0.228	23.65	0.232	23.54	0.226
5	QPSK	1	12	23.51	0.224	23.63	0.231	23.61	0.230
5	QPSK	1	24	23.60	0.229	23.56	0.227	23.63	0.231
5	QPSK	12	0	22.68	0.185	22.87	0.194	22.59	0.182
5	QPSK	12	7	22.48	0.177	22.43	0.175	22.44	0.175
5	QPSK	12	13	22.60	0.182	22.50	0.178	22.41	0.174
5	QPSK	25	0	22.67	0.185	22.52	0.179	22.84	0.192
5	16QAM	1	0	22.50	0.178	22.52	0.179	22.45	0.176
5	16QAM	1	12	22.40	0.174	22.56	0.180	22.53	0.179
5	16QAM	1	24	22.38	0.173	22.71	0.187	22.35	0.172
5	16QAM	12	0	21.55	0.143	21.52	0.142	21.55	0.143
5	16QAM	12	7	21.30	0.135	21.45	0.140	21.49	0.141
5	16QAM	12	13	21.56	0.143	21.63	0.146	21.48	0.141
5	16QAM	25	0	21.56	0.143	21.66	0.147	21.38	0.137
5	64QAM	1	0	21.72	0.149	21.49	0.141	21.60	0.145
5	64QAM	1	12	21.49	0.141	21.51	0.142	21.50	0.141
5	64QAM	1	24	21.82	0.152	21.80	0.151	21.69	0.148
5	64QAM	12	0	20.67	0.117	20.48	0.112	20.61	0.115
5	64QAM	12	7	20.51	0.112	20.57	0.114	20.70	0.117
5	64QAM	12	13	20.62	0.115	20.70	0.117	20.78	0.120
5	64QAM	25	0	20.40	0.110	20.37	0.109	20.44	0.111



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	25.34	0.342	25.56	0.360	25.46	0.352
20	QPSK	1	49	25.39	0.346	25.43	0.349	25.27	0.337
20	QPSK	1	99	25.31	0.340	25.37	0.344	25.28	0.337
20	QPSK	50	0	24.51	0.282	24.60	0.288	24.44	0.278
20	QPSK	50	24	24.33	0.271	24.42	0.277	24.44	0.278
20	QPSK	50	50	24.27	0.267	24.44	0.278	24.45	0.279
20	QPSK	100	0	24.37	0.274	24.56	0.286	24.71	0.296
20	16QAM	1	0	24.32	0.270	24.45	0.279	24.20	0.263
20	16QAM	1	49	24.46	0.279	24.35	0.272	24.41	0.276
20	16QAM	1	99	24.45	0.279	24.34	0.272	24.29	0.269
20	16QAM	50	0	23.58	0.228	23.35	0.216	23.36	0.217
20	16QAM	50	24	23.22	0.210	23.41	0.219	23.27	0.212
20	16QAM	50	50	23.43	0.220	23.32	0.215	23.39	0.218
20	16QAM	100	0	23.20	0.209	23.15	0.207	23.41	0.219
20	64QAM	1	0	23.38	0.218	23.56	0.227	23.54	0.226
20	64QAM	1	49	23.24	0.211	23.26	0.212	23.45	0.221
20	64QAM	1	99	23.41	0.219	23.37	0.217	23.33	0.215
20	64QAM	50	0	22.55	0.180	22.39	0.173	22.31	0.170
20	64QAM	50	24	22.33	0.171	22.55	0.180	22.29	0.169
20	64QAM	50	50	22.41	0.174	22.50	0.178	22.44	0.175
20	64QAM	100	0	22.41	0.174	22.52	0.179	22.32	0.171



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	25.33	0.341	25.55	0.359	25.34	0.342
15	QPSK	1	37	25.34	0.342	25.35	0.343	25.40	0.347
15	QPSK	1	74	25.37	0.344	25.28	0.337	25.30	0.339
15	QPSK	36	0	24.48	0.281	24.55	0.285	24.56	0.286
15	QPSK	36	20	24.34	0.272	24.31	0.270	24.33	0.271
15	QPSK	36	39	24.44	0.278	24.38	0.274	24.45	0.279
15	QPSK	75	0	24.43	0.277	24.47	0.280	24.53	0.284
15	16QAM	1	0	24.44	0.278	24.40	0.275	24.39	0.275
15	16QAM	1	37	24.26	0.267	24.32	0.270	24.43	0.277
15	16QAM	1	74	24.46	0.279	24.31	0.270	24.33	0.271
15	16QAM	36	0	23.51	0.225	23.43	0.220	23.35	0.216
15	16QAM	36	20	23.29	0.213	23.32	0.215	23.17	0.207
15	16QAM	36	39	23.45	0.221	23.25	0.211	23.34	0.216
15	16QAM	75	0	23.28	0.213	23.39	0.218	23.27	0.212
15	64QAM	1	0	23.38	0.218	23.51	0.224	23.40	0.219
15	64QAM	1	37	23.26	0.212	23.28	0.213	23.36	0.217
15	64QAM	1	74	23.56	0.227	23.33	0.215	23.41	0.219
15	64QAM	36	0	22.37	0.173	22.31	0.170	22.52	0.179
15	64QAM	36	20	22.28	0.169	22.31	0.170	22.31	0.170
15	64QAM	36	39	22.27	0.169	22.48	0.177	22.53	0.179
15	64QAM	75	0	22.43	0.175	22.50	0.178	22.51	0.178



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	25.31	0.340	25.53	0.357	25.31	0.340
10	QPSK	1	25	25.31	0.340	25.47	0.352	25.29	0.338
10	QPSK	1	49	25.32	0.340	25.37	0.344	25.21	0.332
10	QPSK	25	0	24.32	0.270	24.60	0.288	24.56	0.286
10	QPSK	25	12	24.22	0.264	24.42	0.277	24.43	0.277
10	QPSK	25	25	24.39	0.275	24.22	0.264	24.38	0.274
10	QPSK	50	0	24.26	0.267	24.58	0.287	24.36	0.273
10	16QAM	1	0	24.35	0.272	24.38	0.274	24.23	0.265
10	16QAM	1	25	24.27	0.267	24.40	0.275	24.43	0.277
10	16QAM	1	49	24.19	0.262	24.37	0.274	24.20	0.263
10	16QAM	25	0	23.33	0.215	23.35	0.216	23.53	0.225
10	16QAM	25	12	23.34	0.216	23.40	0.219	23.46	0.222
10	16QAM	25	25	23.30	0.214	23.43	0.220	23.37	0.217
10	16QAM	50	0	23.20	0.209	23.19	0.208	23.39	0.218
10	64QAM	1	0	23.52	0.225	23.48	0.223	23.63	0.231
10	64QAM	1	25	23.30	0.214	23.37	0.217	23.44	0.221
10	64QAM	1	49	23.41	0.219	23.62	0.230	23.42	0.220
10	64QAM	25	0	22.56	0.180	22.37	0.173	22.29	0.169
10	64QAM	25	12	22.50	0.178	22.44	0.175	22.50	0.178
10	64QAM	25	25	22.29	0.169	22.61	0.182	22.50	0.178
10	64QAM	50	0	22.43	0.175	22.31	0.170	22.22	0.167



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	25.48	0.353	25.50	0.355	25.41	0.348
5	QPSK	1	12	25.34	0.342	25.32	0.340	25.45	0.351
5	QPSK	1	24	25.27	0.337	25.28	0.337	25.34	0.342
5	QPSK	12	0	24.55	0.285	24.46	0.279	24.56	0.286
5	QPSK	12	7	24.26	0.267	24.33	0.271	24.49	0.281
5	QPSK	12	13	24.28	0.268	24.44	0.278	24.50	0.282
5	QPSK	25	0	24.26	0.267	24.67	0.293	24.33	0.271
5	16QAM	1	0	24.36	0.273	24.42	0.277	24.35	0.272
5	16QAM	1	12	24.29	0.269	24.27	0.267	24.22	0.264
5	16QAM	1	24	24.23	0.265	24.17	0.261	24.41	0.276
5	16QAM	12	0	23.45	0.222	23.34	0.216	23.45	0.221
5	16QAM	12	7	23.36	0.217	23.44	0.221	23.25	0.211
5	16QAM	12	13	23.43	0.220	23.26	0.212	23.51	0.224
5	16QAM	25	0	23.22	0.210	23.41	0.219	23.38	0.218
5	64QAM	1	0	23.59	0.229	23.54	0.226	23.40	0.219
5	64QAM	1	12	23.40	0.219	23.44	0.221	23.46	0.222
5	64QAM	1	24	23.50	0.224	23.63	0.231	23.45	0.221
5	64QAM	12	0	22.33	0.171	22.33	0.171	22.48	0.177
5	64QAM	12	7	22.29	0.169	22.25	0.168	22.46	0.176
5	64QAM	12	13	22.34	0.171	22.30	0.170	22.59	0.182
5	64QAM	25	0	22.29	0.169	22.52	0.179	22.28	0.169



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132072		132322		132572	
Frequency (MHz)				1720		1745		1770	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	22.67	0.185	22.94	0.197	22.61	0.182
20	QPSK	1	49	22.61	0.182	22.88	0.194	22.65	0.184
20	QPSK	1	99	22.56	0.180	22.59	0.182	22.66	0.185
20	QPSK	50	0	21.58	0.144	21.88	0.154	21.86	0.153
20	QPSK	50	24	21.63	0.146	21.66	0.147	21.82	0.152
20	QPSK	50	50	21.61	0.145	21.63	0.146	21.66	0.147
20	QPSK	100	0	21.65	0.146	21.80	0.151	21.84	0.153
20	16QAM	1	0	21.65	0.146	21.76	0.150	21.57	0.144
20	16QAM	1	49	21.63	0.146	21.80	0.151	21.64	0.146
20	16QAM	1	99	21.70	0.148	21.61	0.145	21.57	0.144
20	16QAM	50	0	20.79	0.120	20.55	0.114	20.76	0.119
20	16QAM	50	24	20.54	0.113	20.58	0.114	20.57	0.114
20	16QAM	50	50	20.53	0.113	20.84	0.121	20.53	0.113
20	16QAM	100	0	20.52	0.113	20.56	0.114	20.55	0.114
20	64QAM	1	0	20.89	0.123	20.81	0.121	20.70	0.117
20	64QAM	1	49	20.70	0.117	20.76	0.119	20.70	0.117
20	64QAM	1	99	20.86	0.122	20.91	0.123	20.93	0.124
20	64QAM	50	0	19.86	0.097	19.50	0.089	19.64	0.092
20	64QAM	50	24	19.81	0.096	19.59	0.091	19.80	0.095
20	64QAM	50	50	19.69	0.093	19.80	0.095	19.77	0.095
20	64QAM	100	0	19.61	0.091	19.60	0.091	19.73	0.094



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	22.88	0.194	22.92	0.196	22.79	0.190
15	QPSK	1	37	22.72	0.187	22.72	0.187	22.68	0.185
15	QPSK	1	74	22.62	0.183	22.82	0.191	22.76	0.189
15	QPSK	36	0	21.78	0.151	21.93	0.156	21.69	0.148
15	QPSK	36	20	21.73	0.149	21.71	0.148	21.58	0.144
15	QPSK	36	39	21.69	0.148	21.80	0.151	21.73	0.149
15	QPSK	75	0	21.75	0.150	21.62	0.145	21.73	0.149
15	16QAM	1	0	21.70	0.148	21.77	0.150	21.58	0.144
15	16QAM	1	37	21.66	0.147	21.63	0.146	21.71	0.148
15	16QAM	1	74	21.59	0.144	21.80	0.151	21.68	0.147
15	16QAM	36	0	20.84	0.121	20.68	0.117	20.83	0.121
15	16QAM	36	20	20.72	0.118	20.78	0.120	20.67	0.117
15	16QAM	36	39	20.77	0.119	20.78	0.120	20.59	0.115
15	16QAM	75	0	20.55	0.114	20.54	0.113	20.56	0.114
15	64QAM	1	0	20.64	0.116	20.75	0.119	20.93	0.124
15	64QAM	1	37	20.66	0.116	20.67	0.117	20.71	0.118
15	64QAM	1	74	20.77	0.119	20.76	0.119	20.78	0.120
15	64QAM	36	0	19.67	0.093	19.66	0.092	19.77	0.095
15	64QAM	36	20	19.76	0.095	19.84	0.096	19.61	0.091
15	64QAM	36	39	19.78	0.095	19.77	0.095	19.78	0.095
15	64QAM	75	0	19.57	0.091	19.68	0.093	19.69	0.093



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	22.80	0.191	22.89	0.195	22.64	0.184
10	QPSK	1	25	22.78	0.190	22.84	0.192	22.71	0.187
10	QPSK	1	49	22.80	0.191	22.67	0.185	22.55	0.180
10	QPSK	25	0	21.82	0.152	21.94	0.156	21.85	0.153
10	QPSK	25	12	21.59	0.144	21.53	0.142	21.82	0.152
10	QPSK	25	25	21.56	0.143	21.63	0.146	21.58	0.144
10	QPSK	50	0	21.84	0.153	21.67	0.147	21.76	0.150
10	16QAM	1	0	21.68	0.147	21.87	0.154	21.60	0.145
10	16QAM	1	25	21.62	0.145	21.54	0.143	21.70	0.148
10	16QAM	1	49	21.71	0.148	21.52	0.142	21.59	0.144
10	16QAM	25	0	20.70	0.118	20.76	0.119	20.66	0.116
10	16QAM	25	12	20.60	0.115	20.70	0.117	20.67	0.117
10	16QAM	25	25	20.71	0.118	20.65	0.116	20.60	0.115
10	16QAM	50	0	20.68	0.117	20.62	0.115	20.50	0.112
10	64QAM	1	0	20.80	0.120	20.82	0.121	20.71	0.118
10	64QAM	1	25	20.64	0.116	20.56	0.114	20.64	0.116
10	64QAM	1	49	20.84	0.121	20.86	0.122	20.70	0.117
10	64QAM	25	0	19.87	0.097	19.65	0.092	19.82	0.096
10	64QAM	25	12	19.82	0.096	19.69	0.093	19.59	0.091
10	64QAM	25	25	19.54	0.090	19.72	0.094	19.82	0.096
10	64QAM	50	0	19.55	0.090	19.56	0.090	19.58	0.091



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	22.80	0.191	22.88	0.194	22.75	0.188
5	QPSK	1	12	22.61	0.182	22.65	0.184	22.79	0.190
5	QPSK	1	24	22.82	0.191	22.61	0.182	22.60	0.182
5	QPSK	12	0	21.71	0.148	21.89	0.155	21.63	0.146
5	QPSK	12	7	21.68	0.147	21.76	0.150	21.84	0.153
5	QPSK	12	13	21.86	0.153	21.69	0.148	21.56	0.143
5	QPSK	25	0	21.57	0.144	21.85	0.153	21.75	0.150
5	16QAM	1	0	21.46	0.140	21.73	0.149	21.72	0.149
5	16QAM	1	12	21.68	0.147	21.59	0.144	21.58	0.144
5	16QAM	1	24	21.65	0.146	21.54	0.143	21.49	0.141
5	16QAM	12	0	20.86	0.122	20.82	0.121	20.88	0.122
5	16QAM	12	7	20.67	0.117	20.65	0.116	20.54	0.113
5	16QAM	12	13	20.76	0.119	20.75	0.119	20.68	0.117
5	16QAM	25	0	20.63	0.116	20.71	0.118	20.63	0.116
5	64QAM	1	0	20.65	0.116	20.56	0.114	20.93	0.124
5	64QAM	1	12	20.67	0.117	20.74	0.119	20.69	0.117
5	64QAM	1	24	20.84	0.121	20.84	0.121	20.78	0.120
5	64QAM	12	0	19.88	0.097	19.62	0.092	19.57	0.091
5	64QAM	12	7	19.87	0.097	19.68	0.093	19.70	0.093
5	64QAM	12	13	19.67	0.093	19.72	0.094	19.72	0.094
5	64QAM	25	0	19.56	0.090	19.52	0.090	19.71	0.094



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	22.66	0.185	22.87	0.194	22.73	0.187
3	QPSK	1	8	22.75	0.188	22.70	0.186	22.64	0.184
3	QPSK	1	14	22.56	0.180	22.78	0.190	22.59	0.182
3	QPSK	8	0	21.62	0.145	21.76	0.150	21.81	0.152
3	QPSK	8	4	21.67	0.147	21.55	0.143	21.83	0.152
3	QPSK	8	7	21.58	0.144	21.78	0.151	21.75	0.150
3	QPSK	15	0	21.77	0.150	21.84	0.153	21.72	0.149
3	16QAM	1	0	21.74	0.149	21.63	0.146	21.60	0.145
3	16QAM	1	8	21.69	0.148	21.55	0.143	21.56	0.143
3	16QAM	1	14	21.68	0.147	21.78	0.151	21.65	0.146
3	16QAM	8	0	20.84	0.121	20.63	0.116	20.69	0.117
3	16QAM	8	4	20.64	0.116	20.51	0.112	20.75	0.119
3	16QAM	8	7	20.68	0.117	20.81	0.121	20.58	0.114
3	16QAM	15	0	20.58	0.114	20.73	0.118	20.50	0.112
3	64QAM	1	0	20.78	0.120	20.67	0.117	20.73	0.118
3	64QAM	1	8	20.57	0.114	20.73	0.118	20.51	0.112
3	64QAM	1	14	20.67	0.117	20.77	0.119	20.69	0.117
3	64QAM	8	0	19.77	0.095	19.66	0.092	19.60	0.091
3	64QAM	8	4	19.74	0.094	19.80	0.095	19.58	0.091
3	64QAM	8	7	19.58	0.091	19.58	0.091	19.82	0.096
3	64QAM	15	0	19.53	0.090	19.70	0.093	19.82	0.096



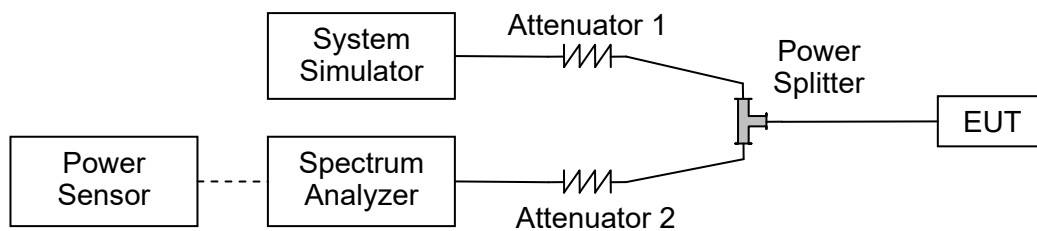
LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131979		132322		132665	
Frequency (MHz)				1710.7		1745		1779.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	22.73	0.187	22.85	0.193	22.65	0.184
1.4	QPSK	1	3	22.82	0.191	22.65	0.184	22.53	0.179
1.4	QPSK	1	5	22.70	0.186	22.59	0.182	22.54	0.179
1.4	QPSK	3	0	21.75	0.150	21.87	0.154	21.87	0.154
1.4	QPSK	3	1	21.75	0.150	21.75	0.150	21.61	0.145
1.4	QPSK	3	3	21.85	0.153	21.61	0.145	21.66	0.147
1.4	QPSK	6	0	21.81	0.152	21.85	0.153	21.76	0.150
1.4	16QAM	1	0	21.68	0.147	21.73	0.149	21.78	0.151
1.4	16QAM	1	3	21.47	0.140	21.54	0.143	21.71	0.148
1.4	16QAM	1	5	21.66	0.147	21.58	0.144	21.72	0.149
1.4	16QAM	3	0	20.71	0.118	20.81	0.121	20.89	0.123
1.4	16QAM	3	1	20.58	0.114	20.67	0.117	20.71	0.118
1.4	16QAM	3	3	20.66	0.116	20.74	0.119	20.53	0.113
1.4	16QAM	6	0	20.63	0.116	20.66	0.116	20.61	0.115
1.4	64QAM	1	0	20.72	0.118	20.78	0.120	20.83	0.121
1.4	64QAM	1	3	20.57	0.114	20.57	0.114	20.53	0.113
1.4	64QAM	1	5	20.81	0.121	20.73	0.118	20.87	0.122
1.4	64QAM	3	0	19.84	0.096	19.66	0.092	19.59	0.091
1.4	64QAM	3	1	19.87	0.097	19.73	0.094	19.81	0.096
1.4	64QAM	3	3	19.65	0.092	19.58	0.091	19.82	0.096
1.4	64QAM	6	0	19.74	0.094	19.67	0.093	19.78	0.095

2.2. Occupied Bandwidth

2.2.1. Requirement

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

2.2.2. Test Description



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

2.2.3. Test Procedure

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

2.2.4. Test Result



LTE Band 2				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.24
	Low	16QAM	1.10	1.25
	Low	64QAM	1.11	1.25
	Mid	QPSK	1.10	1.25
	Mid	16QAM	1.10	1.25
	Mid	64QAM	1.10	1.25
	High	QPSK	1.10	1.25
	High	16QAM	1.10	1.26
	High	64QAM	1.11	1.26
3	Low	QPSK	2.72	3.07
	Low	16QAM	2.72	3.07
	Low	64QAM	2.71	3.02
	Mid	QPSK	2.72	3.06
	Mid	16QAM	2.72	3.06
	Mid	64QAM	2.71	3.05
	High	QPSK	2.72	3.06
	High	16QAM	2.71	3.05
	High	64QAM	2.71	3.03
5	Low	QPSK	4.48	4.80
	Low	16QAM	4.50	4.97
	Low	64QAM	4.51	5.00
	Mid	QPSK	4.50	4.96
	Mid	16QAM	4.50	4.95
	Mid	64QAM	4.51	5.01
	High	QPSK	4.50	4.96
	High	16QAM	4.51	5.00
	High	64QAM	4.51	4.97
10	Low	QPSK	9.03	9.90
	Low	16QAM	8.99	9.82
	Low	64QAM	9.01	9.95
	Mid	QPSK	9.01	9.91
	Mid	16QAM	8.96	9.85
	Mid	64QAM	9.01	9.89
	High	QPSK	9.01	9.84
	High	16QAM	8.97	9.82
	High	64QAM	8.99	9.86



15	Low	QPSK	13.50	14.95
	Low	16QAM	13.50	14.99
	Low	64QAM	13.48	14.99
	Mid	QPSK	13.47	14.81
	Mid	16QAM	13.46	14.84
	Mid	64QAM	13.46	14.80
	High	QPSK	13.48	14.79
	High	16QAM	13.45	14.87
	High	64QAM	13.44	14.96
20	Low	QPSK	18.01	19.76
	Low	16QAM	18.03	19.89
	Low	64QAM	18.03	19.84
	Mid	QPSK	17.96	19.74
	Mid	16QAM	18.01	19.81
	Mid	64QAM	18.01	19.73
	High	QPSK	17.95	19.71
	High	16QAM	17.93	19.62
	High	64QAM	17.93	19.63



LTE Band 4				
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	1.10	1.25
	Mid	16QAM	1.10	1.25
	Mid	64QAM	1.10	1.26
	High	QPSK	1.09	1.25
	High	16QAM	1.10	1.25
	High	64QAM	1.10	1.25
3	Low	QPSK	2.71	3.04
	Low	16QAM	2.71	3.05
	Low	64QAM	2.71	3.03
	Mid	QPSK	2.72	3.05
	Mid	16QAM	2.71	3.06
	Mid	64QAM	2.71	3.04
	High	QPSK	2.71	3.05
	High	16QAM	2.71	3.05
	High	64QAM	2.71	3.04
5	Low	QPSK	4.49	4.97
	Low	16QAM	4.50	4.97
	Low	64QAM	4.50	4.98
	Mid	QPSK	4.50	4.98
	Mid	16QAM	4.50	4.95
	Mid	64QAM	4.50	4.97
	High	QPSK	4.50	4.97
	High	16QAM	4.50	4.95
	High	64QAM	4.51	4.97
10	Low	QPSK	9.02	9.83
	Low	16QAM	8.97	9.82
	Low	64QAM	8.99	9.87
	Mid	QPSK	9.04	9.90
	Mid	16QAM	8.99	9.79
	Mid	64QAM	9.01	9.96
	High	QPSK	9.01	9.91
	High	16QAM	8.93	9.41
	High	64QAM	9.01	9.93



15	Low	QPSK	13.45	14.93
	Low	16QAM	13.46	14.93
	Low	64QAM	13.45	14.89
	Mid	QPSK	13.49	14.87
	Mid	16QAM	13.50	14.97
	Mid	64QAM	13.47	15.05
	High	QPSK	13.47	14.88
	High	16QAM	13.47	14.86
	High	64QAM	13.44	15.04
20	Low	QPSK	17.97	19.65
	Low	16QAM	18.01	19.81
	Low	64QAM	17.95	19.66
	Mid	QPSK	17.99	19.71
	Mid	16QAM	18.03	19.76
	Mid	64QAM	18.04	19.82
	High	QPSK	17.95	19.81
	High	16QAM	18.00	19.80
	High	64QAM	17.98	19.67



LTE Band 5				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.25
	Low	16QAM	1.10	1.25
	Low	64QAM	1.10	1.24
	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	1.10	1.26
3	Low	QPSK	2.71	3.06
	Low	16QAM	2.71	3.05
	Low	64QAM	2.71	3.04
	Mid	QPSK	2.72	3.05
	Mid	16QAM	2.71	3.03
	Mid	64QAM	2.72	3.04
	High	QPSK	2.71	3.04
	High	16QAM	2.71	3.05
	High	64QAM	2.71	3.05
5	Low	QPSK	4.50	4.95
	Low	16QAM	4.50	5.00
	Low	64QAM	4.50	4.99
	Mid	QPSK	4.47	4.81
	Mid	16QAM	4.50	4.96
	Mid	64QAM	4.51	4.94
	High	QPSK	4.50	4.97
	High	16QAM	4.50	5.00
	High	64QAM	4.50	4.96
10	Low	QPSK	9.04	9.91
	Low	16QAM	8.97	9.84
	Low	64QAM	9.01	9.93
	Mid	QPSK	9.01	9.91
	Mid	16QAM	8.96	9.82
	Mid	64QAM	9.00	9.90
	High	QPSK	9.00	9.94
	High	16QAM	8.97	9.86
	High	64QAM	9.00	9.85



LTE Band 7				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.50	5.00
	Low	16QAM	4.50	5.00
	Low	64QAM	4.50	4.96
	Mid	QPSK	4.50	4.97
	Mid	16QAM	4.50	4.98
	Mid	64QAM	4.50	4.98
	High	QPSK	4.50	5.01
	High	16QAM	4.49	4.97
	High	64QAM	4.50	4.98
10	Low	QPSK	9.00	9.91
	Low	16QAM	8.95	9.84
	Low	64QAM	9.00	9.93
	Mid	QPSK	9.01	9.80
	Mid	16QAM	8.99	9.84
	Mid	64QAM	9.00	9.93
	High	QPSK	9.02	9.94
	High	16QAM	8.96	9.87
	High	64QAM	9.02	9.90
15	Low	QPSK	13.45	14.84
	Low	16QAM	13.48	14.88
	Low	64QAM	13.46	15.01
	Mid	QPSK	13.51	14.91
	Mid	16QAM	13.47	15.01
	Mid	64QAM	13.48	14.87
	High	QPSK	13.52	14.88
	High	16QAM	13.47	14.93
	High	64QAM	13.46	14.91
20	Low	QPSK	17.95	19.71
	Low	16QAM	18.00	19.71
	Low	64QAM	17.98	19.80
	Mid	QPSK	17.97	19.74
	Mid	16QAM	18.02	19.76
	Mid	64QAM	17.88	18.74
	High	QPSK	17.94	19.79
	High	16QAM	18.01	19.71
	High	64QAM	18.01	19.58



LTE Band 13				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.50	4.98
	Low	16QAM	4.49	4.97
	Low	64QAM	4.52	4.97
	Mid	QPSK	4.50	4.98
	Mid	16QAM	4.50	5.00
	Mid	64QAM	4.50	4.98
	High	QPSK	4.50	4.96
	High	16QAM	4.50	4.99
	High	64QAM	4.52	4.99
10	Mid	QPSK	9.01	9.84
	Mid	16QAM	8.96	9.82
	Mid	64QAM	8.99	9.98



LTE Band 38				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.51	4.96
	Low	16QAM	4.51	5.21
	Low	64QAM	4.50	4.97
	Mid	QPSK	4.50	4.93
	Mid	16QAM	4.52	5.27
	Mid	64QAM	4.50	4.94
	High	QPSK	4.50	5.14
	High	16QAM	4.51	5.06
	High	64QAM	4.51	4.96
10	Low	QPSK	9.00	9.99
	Low	16QAM	8.91	9.38
	Low	64QAM	8.99	10.25
	Mid	QPSK	8.99	9.90
	Mid	16QAM	8.97	9.95
	Mid	64QAM	9.00	10.42
	High	QPSK	9.03	10.11
	High	16QAM	8.98	9.94
	High	64QAM	9.01	10.63
15	Low	QPSK	13.47	15.18
	Low	16QAM	13.48	14.76
	Low	64QAM	13.48	15.74
	Mid	QPSK	13.50	14.90
	Mid	16QAM	13.49	14.89
	Mid	64QAM	13.42	14.22
	High	QPSK	13.50	14.91
	High	16QAM	13.48	15.19
	High	64QAM	13.46	15.05
20	Low	QPSK	17.91	18.94
	Low	16QAM	18.01	20.08
	Low	64QAM	17.95	19.64
	Mid	QPSK	17.99	19.77
	Mid	16QAM	18.02	19.57
	Mid	64QAM	17.98	19.72
	High	QPSK	18.00	19.70
	High	16QAM	17.97	19.42
	High	64QAM	17.98	19.66



LTE Band 40, Block A				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.50	4.96
	Low	16QAM	4.51	5.26
	Low	64QAM	4.48	4.75
	Mid	QPSK	4.49	5.12
	Mid	16QAM	4.51	5.16
	Mid	64QAM	4.49	4.96
	High	QPSK	4.49	5.22
	High	16QAM	4.51	5.22
	High	64QAM	4.50	4.94
10	Mid	QPSK	9.01	9.95
	Mid	16QAM	8.94	9.64
	Mid	64QAM	9.01	10.25

LTE Band 40, Block B				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.50	5.17
	Low	16QAM	4.51	5.36
	Low	64QAM	4.50	4.98
	Mid	QPSK	4.51	5.28
	Mid	16QAM	4.51	5.34
	Mid	64QAM	4.48	4.79
	High	QPSK	4.50	5.04
	High	16QAM	4.52	5.27
	High	64QAM	4.51	4.97
10	Mid	QPSK	9.01	10.13
	Mid	16QAM	8.99	9.82
	Mid	64QAM	9.02	10.83



LTE Band 41				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.50	4.97
	Low	16QAM	4.51	5.31
	Low	64QAM	4.49	4.94
	Mid	QPSK	4.49	4.95
	Mid	16QAM	4.49	4.83
	Mid	64QAM	4.50	4.98
	High	QPSK	4.50	4.97
	High	16QAM	4.51	5.25
	High	64QAM	4.50	4.77
10	Low	QPSK	9.02	10.18
	Low	16QAM	8.97	9.81
	Low	64QAM	9.00	10.48
	Mid	QPSK	9.01	10.06
	Mid	16QAM	8.98	9.80
	Mid	64QAM	9.00	10.02
	High	QPSK	9.02	9.98
	High	16QAM	8.97	9.85
	High	64QAM	9.02	10.80
15	Low	QPSK	13.53	14.93
	Low	16QAM	13.43	14.27
	Low	64QAM	13.47	15.01
	Mid	QPSK	13.52	14.85
	Mid	16QAM	13.49	15.38
	Mid	64QAM	13.42	14.40
	High	QPSK	13.50	15.12
	High	16QAM	13.46	14.96
	High	64QAM	13.47	15.39
20	Low	QPSK	17.98	20.00
	Low	16QAM	17.97	19.85
	Low	64QAM	17.96	19.79
	Mid	QPSK	17.93	18.86
	Mid	16QAM	17.97	20.58
	Mid	64QAM	17.96	19.80
	High	QPSK	17.97	20.37
	High	16QAM	17.98	20.46
	High	64QAM	17.99	20.38



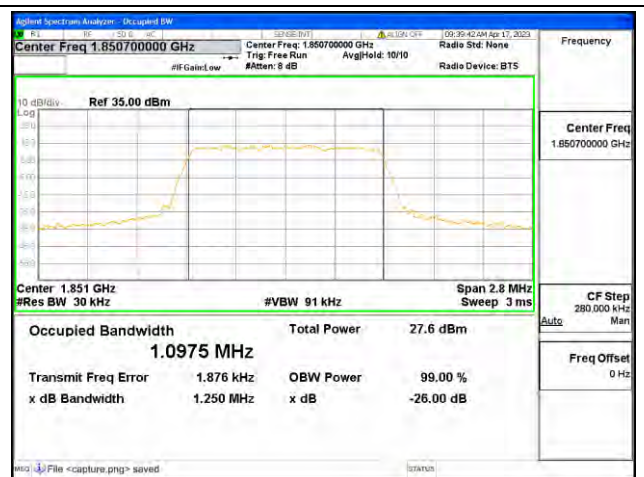
LTE Band 66				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.24
	Low	16QAM	1.10	1.25
	Low	64QAM	1.10	1.24
	Mid	QPSK	1.10	1.24
	Mid	16QAM	1.10	1.25
	Mid	64QAM	1.11	1.25
	High	QPSK	1.10	1.24
	High	16QAM	1.10	1.25
	High	64QAM	1.10	1.25
3	Low	QPSK	2.71	3.03
	Low	16QAM	2.71	3.05
	Low	64QAM	2.71	3.06
	Mid	QPSK	2.71	3.04
	Mid	16QAM	2.71	3.03
	Mid	64QAM	2.72	3.05
	High	QPSK	2.72	3.05
	High	16QAM	2.71	3.04
	High	64QAM	2.71	3.04
5	Low	QPSK	4.49	4.95
	Low	16QAM	4.50	5.00
	Low	64QAM	4.49	4.97
	Mid	QPSK	4.50	4.95
	Mid	16QAM	4.50	4.96
	Mid	64QAM	4.50	4.98
	High	QPSK	4.49	4.97
	High	16QAM	4.50	5.01
	High	64QAM	4.50	4.98
10	Low	QPSK	8.99	9.78
	Low	16QAM	8.96	9.79
	Low	64QAM	9.01	9.92
	Mid	QPSK	9.00	9.83
	Mid	16QAM	8.96	9.82
	Mid	64QAM	9.01	9.95
	High	QPSK	8.99	9.87
	High	16QAM	8.96	9.82
	High	64QAM	9.02	9.98



15	Low	QPSK	13.48	14.89
	Low	16QAM	13.46	15.03
	Low	64QAM	13.44	14.83
	Mid	QPSK	13.47	14.83
	Mid	16QAM	13.48	15.03
	Mid	64QAM	13.45	14.94
	High	QPSK	13.49	14.87
	High	16QAM	13.48	14.90
	High	64QAM	13.44	14.94
20	Low	QPSK	17.97	19.72
	Low	16QAM	17.96	19.77
	Low	64QAM	17.97	19.75
	Mid	QPSK	17.97	19.64
	Mid	16QAM	17.99	19.66
	Mid	64QAM	17.97	19.66
	High	QPSK	17.96	19.81
	High	16QAM	17.97	19.77
	High	64QAM	17.98	19.75



Band2 / 1.4MHz / QPSK/ Low CH



Band2 / 1.4MHz / 16QAM/ Low CH



Band2 / 1.4MHz / 64QAM/ Low CH



Band2 / 1.4MHz / QPSK/ Mid CH



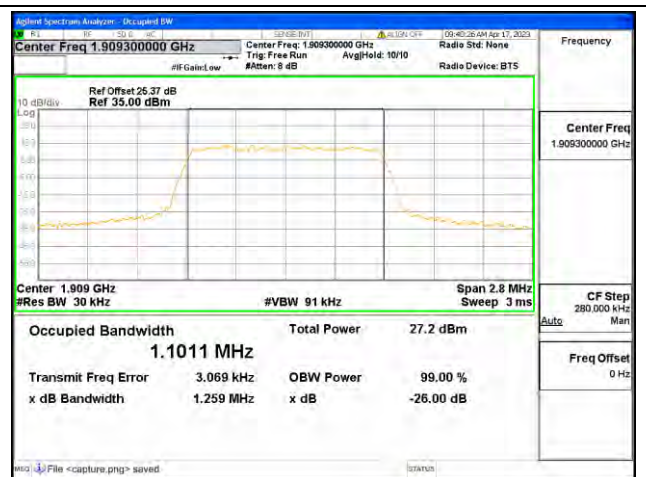
Band2 / 1.4MHz / 16QAM/ Mid CH



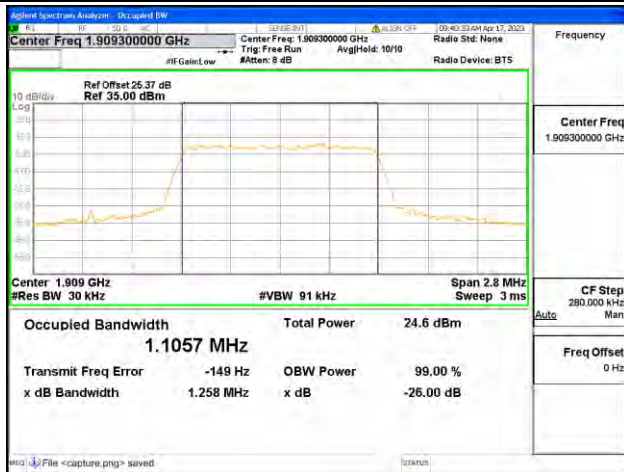
Band2 / 1.4MHz / 64QAM/ Mid CH



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



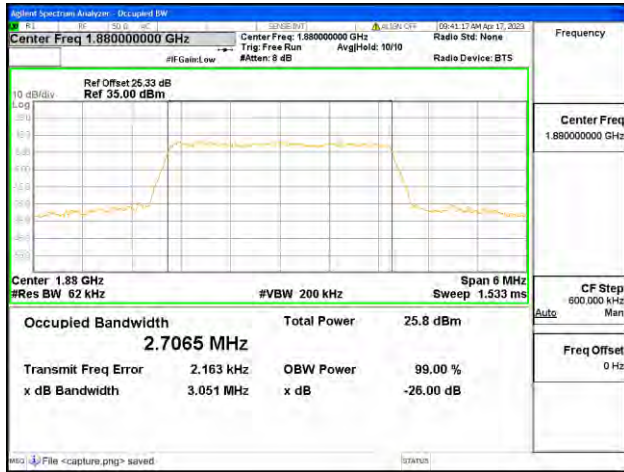
Band2 / 3MHz / 64QAM/ Low CH



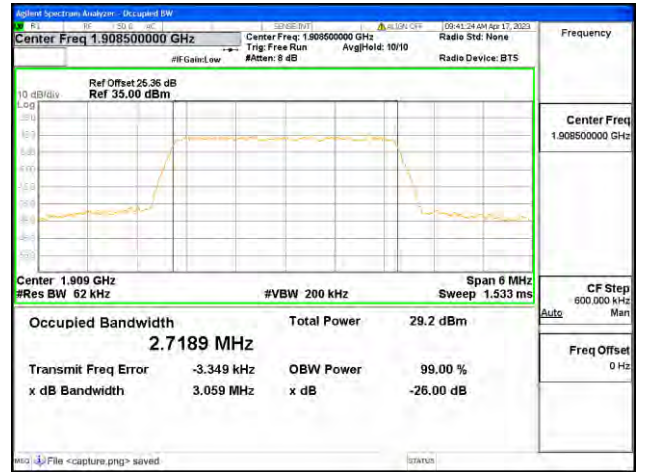
Band2 / 3MHz / QPSK/ Mid CH



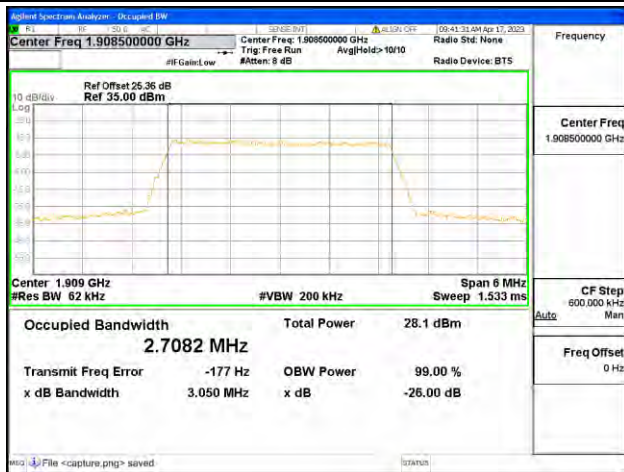
Band2 / 3MHz / 16QAM/ Mid CH



Band2 / 3MHz / 64QAM/ Mid CH



Band2 / 3MHz / QPSK/ High CH



Band2 / 3MHz / 16QAM/ High CH



Band2 / 3MHz / 64QAM/ High 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/ High CH



Band2 / 15MHz / 16QAM/ High CH



Band2 / 15MHz / 64QAM/ High CH



Band2 / 20MHz / QPSK/ Low CH



Band2 / 20MHz / 16QAM/ Low CH



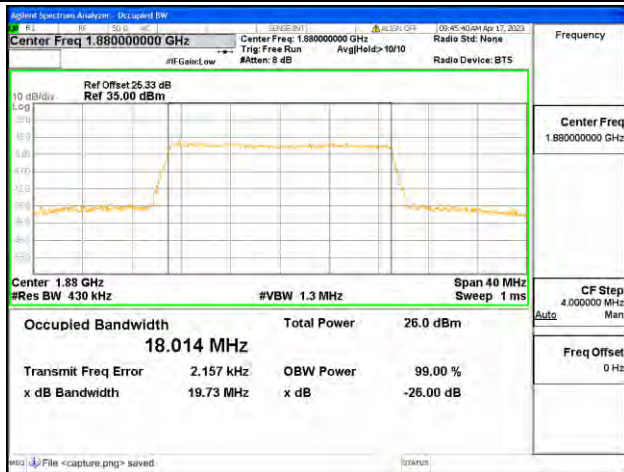
Band2 / 20MHz / 64QAM/ Low CH



Band2 / 20MHz / QPSK/ Mid CH



Band2 / 20MHz / 16QAM/ Mid CH



Band2 / 20MHz / 64QAM/ Mid CH



Band2 / 20MHz / QPSK/ High CH



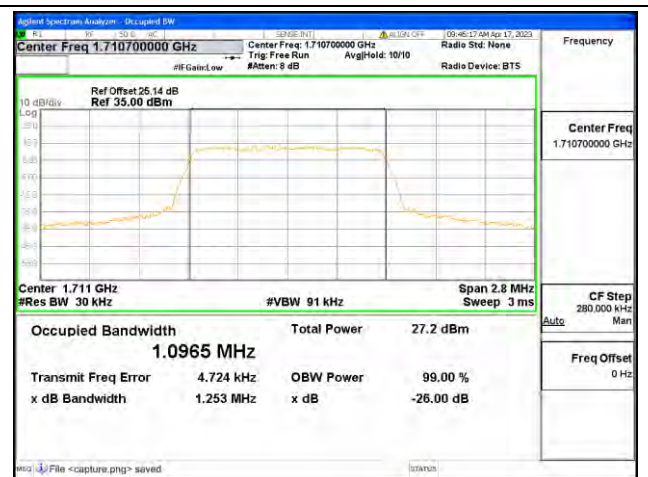
Band2 / 20MHz / 16QAM/ High CH



Band2 / 20MHz / 64QAM/ High CH



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



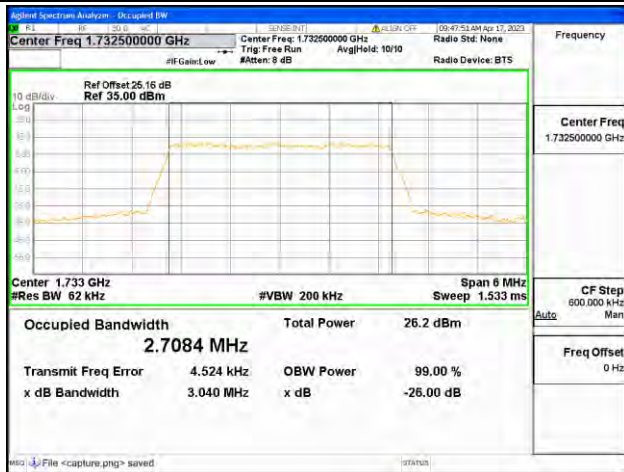
Band4 / 1.4MHz / 64QAM/ Mid CH



Band4 / 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



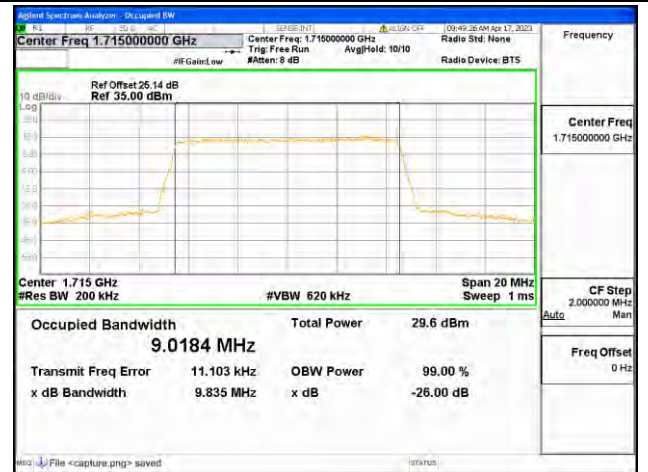
Band4 / 5MHz / QPSK / High CH



Band4 / 5MHz / 16QAM / High CH



Band4 / 5MHz / 64QAM / High CH



Band4 / 10MHz / QPSK / Low CH



Band4 / 10MHz / 16QAM / Low CH



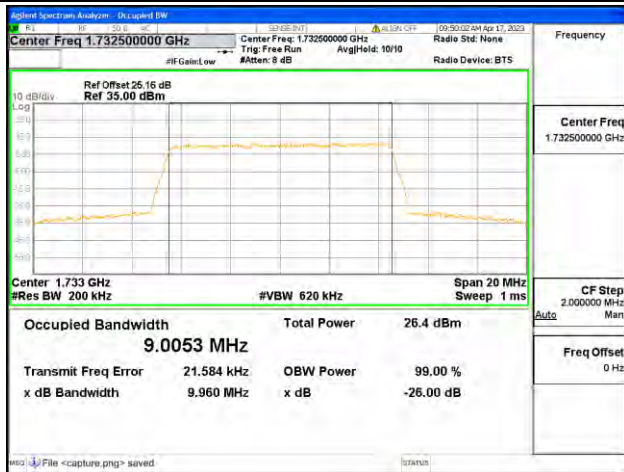
Band4 / 10MHz / 64QAM / Low CH



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



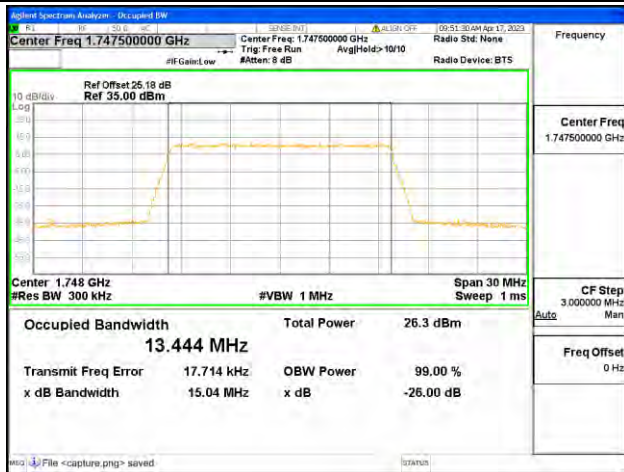
Band4 / 15MHz / 64QAM/ Mid CH



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



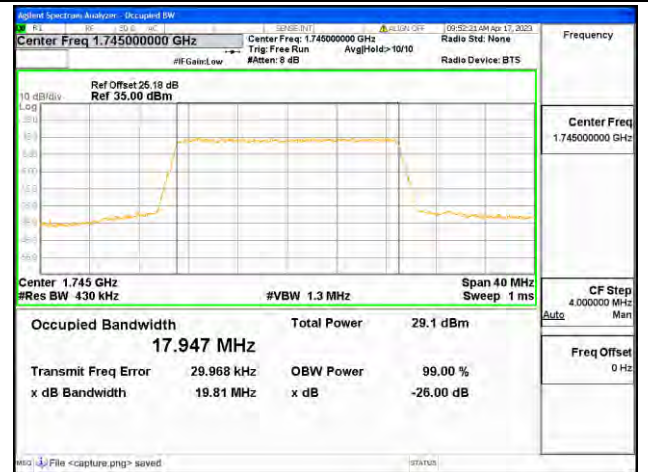
Band4 / 20MHz / QPSK/ Mid CH



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



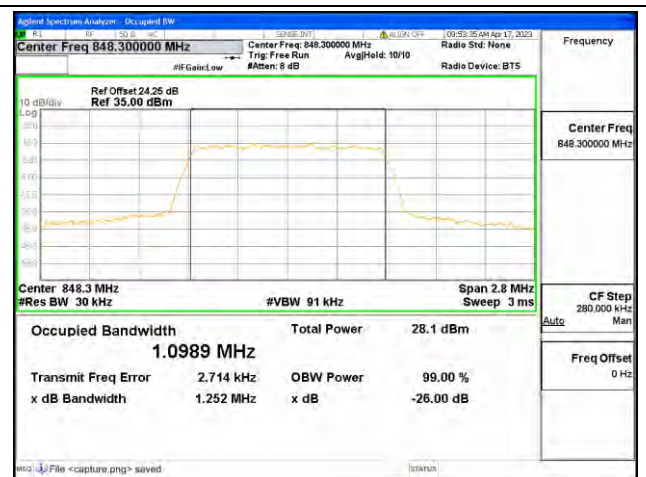
Band5 / 1.4MHz / 16QAM/ Mid CH



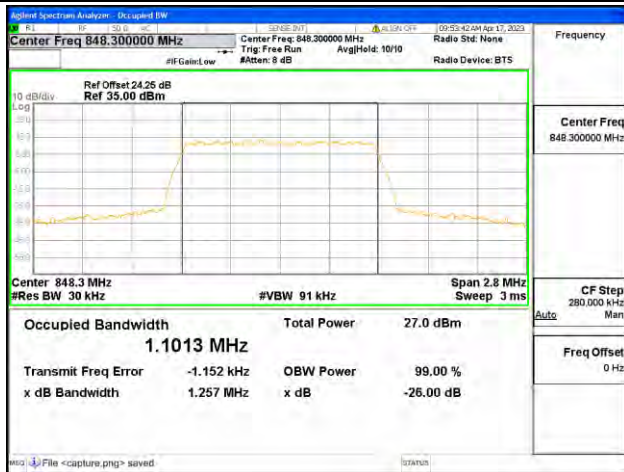
Band5 / 1.4MHz / 64QAM/ Mid CH



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



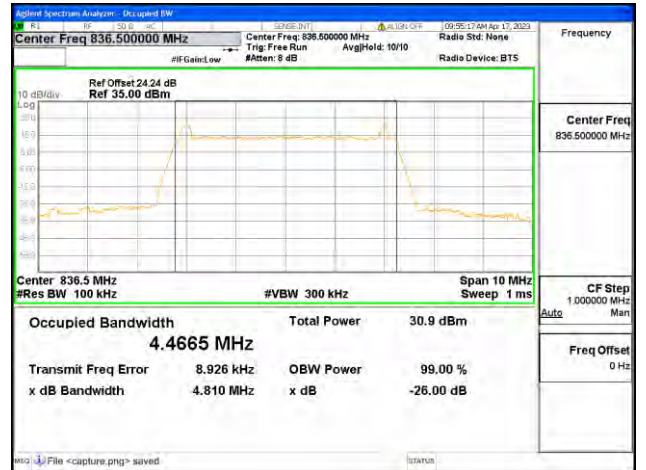
Band5 / 5MHz / QPSK/ Low CH



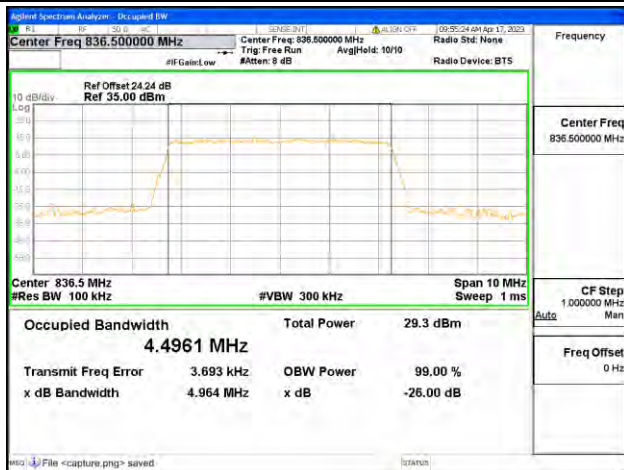
Band5 / 5MHz / 16QAM/ Low CH



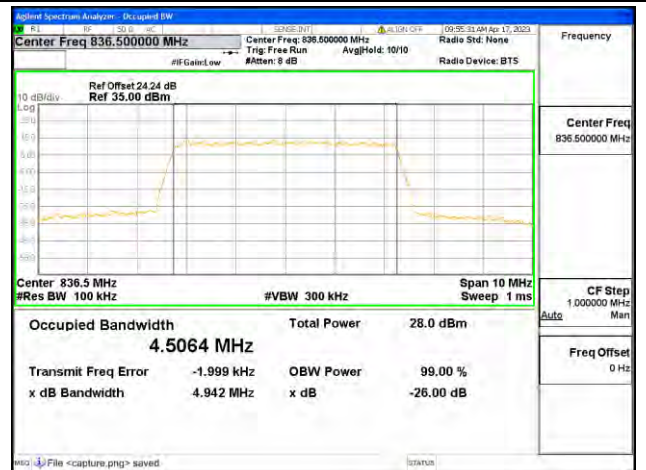
Band5 / 5MHz / 64QAM/ Low CH



Band5 / 5MHz / QPSK/ Mid CH



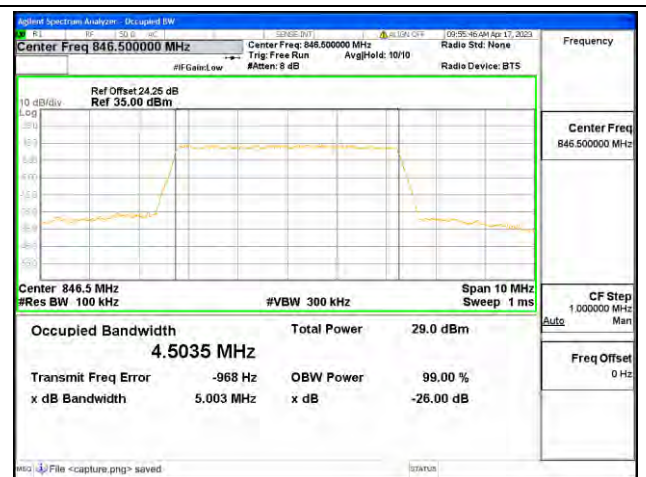
Band5 / 5MHz / 16QAM/ Mid CH



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



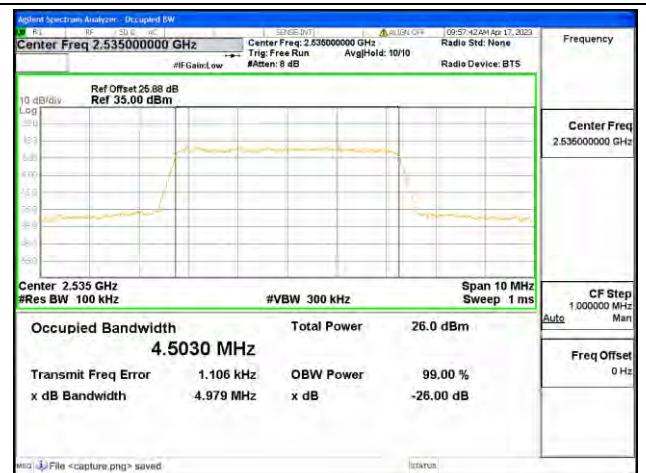
Band7 / 5MHz / 64QAM/ Low CH



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