



REPORT No.: SZ21010296W05

TEST REPORT

APPLICANT : Realme Chongqing Mobile
Telecommunications Corp., Ltd.

PRODUCT NAME : Mobile Phone

MODEL NAME : RMX3201

BRAND NAME : realme

FCC ID : 2AUYFRMX3201

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

RECEIPT DATE : 2021-02-02

TEST DATE : 2021-02-16 to 2021-03-01

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Edited by:


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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	8
1.5. Environmental Conditions	9
2. 47 CFR Part 2, Part 22H, Part 24E, Part 27 D& H&L&M Requirements	10
2.1. Transmitter Conducted Output Power and E.R.P./E.I.R.P.	10
2.2. Occupied Bandwidth	52
2.3. Frequency Stability	86
2.4. Peak to Average Ratio	90
2.5. Conducted Spurious Emissions	91
2.6. Band Edge	144
2.7. Radiated Spurious Emissions	165
Annex A Test Uncertainty	186
Annex B Testing Laboratory Information	187

Change History		
Version	Date	Reason for change
1.0	2021-03-16	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	
Serial No.:	(N/A, marked #1 by test site)	
Hardware Version:	11	
Software Version:	realme UI V1.0	
Modulation Type:	QPSK, 16QAM, 64QAM	
Carrier Aggregation:	Not support	
Operation Band:	Band 5 / 7 / 38 / 40 / 41	
Frequency Range:	LTE Band 5	Tx: 824MHz–849MHz
		Rx: 869MHz–894MHz
	LTE Band 7	Tx: 2500MHz–2570MHz
		Rx: 2620MHz–2690MHz
	LTE Band 38	Tx: 2570MHz–2620MHz
		Rx: 2570MHz–2620MHz
	LTE Band 40 Block A	Tx: 2305MHz–2315MHz
		Rx: 2305MHz–2315MHz
	LTE Band 40 Block B	Tx: 2350MHz–2360MHz
		Rx: 2350MHz–2360MHz
	LTE Band 41	Tx: 2535MHz–2655MHz
		Rx: 2535MHz–2655MHz



Channel Bandwidth:	LTE Band 5	1.4MHz, 3MHz, 5MHz, 10MHz
	LTE Band 7	5 MHz, 10MHz, 15MHz, 20MHz
	LTE Band 38	5 MHz, 10MHz, 15MHz, 20MHz
	LTE Band 40	5MHz, 10MHz
	LTE Band 41	5 MHz, 10MHz, 15MHz, 20MHz
Antenna Type:	PIFA Antenna	
Antenna Gain:	LTE Band 5	0.5dBi
	LTE Band 7	1.1dBi
	LTE Band 38	1.1dBi
	LTE Band 40	1.1dBi
	LTE Band 41	1.1dBi
Accessory Information:	Battery 1	
	Brand Name:	realme
	Model No.:	BLP729
	Serial No.:	(N/A, marked #1 by test site)
	Capacity:	4880mAh
	Rated Voltage:	3.87V
	Charge Limit:	4.45V
	Manufacturer:	Sunwoda Electronic Co., Ltd.
	Battery 2	
	Brand Name:	realme
	Model No.:	BLP729
	Serial No.:	(N/A, marked #1 by test site)
	Capacity:	4880mAh
	Rated Voltage:	3.87V
	Charge Limit:	4.45V
	Manufacturer:	Huizhou Desay Battery Co.,Ltd
	AC Adapter 1	
	Brand Name:	realme
	Model No.:	OP52CAEH
	Serial No.:	(N/A, marked #1 by test site)
	Rated Output:	5.0V $\pm$ 2.0A
	Rated Input:	100-240V $\sim$ 50/60Hz, 0.4A
	Manufacturer:	Dongguan YOHOO Electronic Technology Co., Limited

**Accessory Information:**

AC Adapter 2	
Brand Name:	realme
Model No.:	OP52KAEH
Serial No.:	(N/A, marked #1 by test site)
Rated Output:	5.0V $\pm$ 2.0A
Rated Input:	100-240V $\sim$ 50/60Hz, 0.4A
Manufacturer:	ShenZhen KunXing Technology Co., Ltd
AC Adapter 3	
Brand Name:	realme
Model No.:	OP52JAEH
Serial No.:	(N/A, marked #1 by test site)
Rated Output:	5.0V $\pm$ 2.0A
Rated Input:	100-240V $\sim$ 50/60Hz, 0.4A
Manufacturer:	Ten Pao Electronics (Huizhou) Co., Ltd.
AC Adapter 4	
Brand Name:	realme
Model No.:	OP52JAYH
Serial No.:	(N/A, marked #1 by test site)
Rated Output:	5.0V $\pm$ 2.0A
Rated Input:	100-240V $\sim$ 50/60Hz, 0.4A
Manufacturer:	Ten Pao Industrial Co., Ltd.
AC Adapter 5	
Brand Name:	realme
Model No.:	OP52KAYH
Serial No.:	(N/A, marked #1 by test site)
Rated Output:	5.0V $\pm$ 2.0A
Rated Input:	100-240V $\sim$ 50/60Hz, 0.4A
Manufacturer:	ShenZhen KunXing Technology Co., Ltd
AC Adapter 6	
Brand Name:	realme
Model No.:	OP52KAUH
Serial No.:	(N/A, marked #1 by test site)
Rated Output:	5.0V $\pm$ 2.0A
Rated Input:	100-240V $\sim$ 50/60Hz, 0.4A
Manufacturer:	ShenZhen KunXing Technology Co., Ltd



Accessory Information:	AC Adapter 7	
	Brand Name:	realme
	Model No.:	OP52JAUH
	Serial No.:	(N/A, marked #1 by test site)
	Rated Output:	5.0V $\pm$ 2.0A
	Rated Input:	100-240V $\sim$ 50/60Hz, 0.4A
	Manufacturer:	Ten Pao Industrial Co., Ltd.
	AC Adapter 8	
	Brand Name:	realme
	Model No.:	OP52YAUH
	Serial No.:	(N/A, marked #1 by test site)
	Rated Output:	5.0V $\pm$ 2.0A
	Rated Input:	100-240V $\sim$ 50/60Hz, 0.4A
	Manufacturer:	Jiangsu Chenyang Electron CO.,Ltd.

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 5		Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10		0.154	0.129	0.108	9M03G7D	8M99W7D	9M00W7D
5		0.146	0.124	0.103	4M52G7D	4M52W7D	4M51W7D
3		0.147	0.129	0.102	2M69G7D	2M69W7D	2M70W7D
1.4		0.149	0.135	0.107	1M09G7D	1M10W7D	1M09W7D
LTE Band 7		Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20		0.301	0.237	0.196	18M0G7D	18M0W7D	18M0W7D
15		0.278	0.248	0.184	13M6G7D	13M5W7D	13M5W7D
10		0.275	0.234	0.191	9M02G7D	8M98W7D	9M01W7D
5		0.274	0.236	0.192	4M52G7D	4M52W7D	4M51W7D
LTE Band 38		Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20		0.301	0.219	0.173	18M0G7D	18M0W7D	18M0W7D
15		0.296	0.218	0.172	13M5G7D	13M5W7D	13M5W7D
10		0.299	0.227	0.177	9M00G7D	8M98W7D	8M99W7D
5		0.295	0.222	0.176	4M51G7D	4M51W7D	4M49W7D
LTE Band 40 Block A		Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10		0.247	0.216	0.171	9M02G7D	8M98W7D	9M00W7D
5		0.245	0.213	0.172	4M53G7D	4M51W7D	4M51W7D
LTE Band 40 Block B		Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10		0.247	0.214	0.171	8M96G7D	9M00W7D	8M97W7D
5		0.243	0.213	0.163	4M51G7D	4M51W7D	4M52W7D
LTE Band 41		Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20		0.255	0.199	0.153	18M0G7D	18M0W7D	18M0W7D
15		0.252	0.200	0.153	13M5G7D	13M5W7D	13M5W7D
10		0.249	0.184	0.153	8M99G7D	9M00W7D	8M99W7D
5		0.249	0.201	0.153	4M50G7D	4M50W7D	4M49W7D



1.4. Test Standards and Results

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

No.	Identity	Document Title
1	47 CFR Part 2	Frequency Allocations and Radio Treaty Matters; General Rules and Regulations
2	47 CFR Part 22	Public Mobile Services
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) 27.50(a)(3) 27.50(h)(2)	Transmitter Conducted Output Power and E.R.P./E.I.R.P.	Mar 01, 2021	Chen Hao Ling Keye	PASS	No deviation
2.1049	Occupied Bandwidth	Feb 16&19, 2021	Ling Keye	PASS	No deviation
2.1055 22.355 27.54	Frequency Stability	Mar 01, 2021	Ling Keye	PASS	No deviation
27.50(d)(5)	Peak to Average Ratio	N/A	N/A	N/A	N/A
2.1051 22.917(a) 27.53(a)(4) 27.53(m)(4)	Conducted Spurious Emissions	Feb 17&26, 2021	Ling Keye	PASS	No deviation
2.1051 22.917(a) 27.53(a)(4) 27.53(m)(4)	Band Edge	Feb 17&24, 2021	Ling Keye	PASS	No deviation
2.1051 22.917(a) 27.53(a)(4) 27.53(m)(4)	Radiated Spurious Emissions	Feb 17, 2021	Lin Jiayong	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% risk level.

1.5. Environmental Conditions

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

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

2.47 CFR Part 2, Part 22H, Part 27 D&M Requirements

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

2.1.1. Requirement

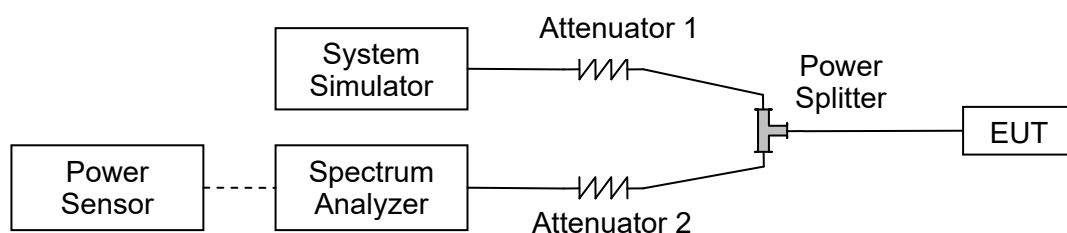
According to FCC section 2.1046(a), for transmitters other than single sideband, independent sideband and controlled carrier radiotelephone, power output shall be measured at the RF output terminals when the transmitter is adjusted in accordance with the tune-up procedure to give the values of current 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 (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 (a)(3) for LTE Band 40, For mobile and portable stations transmitting in the 2305-2315 MHz band or the 2350-2360 MHz band, the average E.I.R.P. must not exceed 50 milliwatts within any 1 megahertz of authorized bandwidth

2.1.2. Test Description



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



2.1.3. Test Procedure

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

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

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

**2.1.4. Result****Conducted Output Power:**

LTE Band 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	23.45	23.53	23.41
10	QPSK	1	25	23.52	23.41	23.42
10	QPSK	1	49	23.36	23.38	23.38
10	QPSK	25	0	22.60	22.68	22.63
10	QPSK	25	12	22.58	22.59	22.66
10	QPSK	25	25	22.57	22.58	22.55
10	QPSK	50	0	22.63	22.60	22.58
10	16QAM	1	0	22.41	22.56	22.42
10	16QAM	1	25	22.73	22.28	22.35
10	16QAM	1	49	22.52	22.32	22.63
10	16QAM	25	0	22.74	22.64	22.54
10	16QAM	25	12	22.63	22.63	22.65
10	16QAM	25	25	22.53	22.63	22.73
10	16QAM	50	0	22.57	22.62	22.63
10	64QAM	1	0	21.82	21.92	21.72
10	64QAM	1	25	21.83	21.84	21.97
10	64QAM	1	49	21.88	21.49	21.55
10	64QAM	25	0	21.67	21.55	21.59
10	64QAM	25	12	21.62	21.61	21.74
10	64QAM	25	25	21.59	21.53	21.62
10	64QAM	50	0	21.54	21.65	21.52



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	23.26	23.22	23.18
5	QPSK	1	12	23.20	23.09	23.29
5	QPSK	1	24	23.11	23.28	23.09
5	QPSK	12	0	22.45	22.48	22.50
5	QPSK	12	7	22.59	22.54	22.56
5	QPSK	12	13	22.57	22.51	22.52
5	QPSK	25	0	22.60	22.46	22.48
5	16QAM	1	0	22.42	22.15	22.29
5	16QAM	1	12	22.39	22.28	22.57
5	16QAM	1	24	22.46	22.45	22.17
5	16QAM	12	0	22.20	22.37	22.33
5	16QAM	12	7	22.46	22.38	22.39
5	16QAM	12	13	22.33	22.25	22.31
5	16QAM	25	0	21.56	21.56	21.66
5	64QAM	1	0	21.61	21.25	21.35
5	64QAM	1	12	21.52	21.52	21.54
5	64QAM	1	24	21.71	21.27	21.23
5	64QAM	12	0	21.61	21.58	21.60
5	64QAM	12	7	21.76	21.68	21.55
5	64QAM	12	13	21.52	21.49	21.57
5	64QAM	25	0	21.64	21.63	21.57



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	23.31	23.24	23.24
3	QPSK	1	8	23.25	23.18	23.33
3	QPSK	1	14	23.30	23.18	23.18
3	QPSK	8	0	22.47	22.56	22.65
3	QPSK	8	4	22.51	22.50	22.60
3	QPSK	8	7	22.60	22.42	22.60
3	QPSK	15	0	22.29	22.31	22.38
3	16QAM	1	0	22.43	22.34	22.56
3	16QAM	1	8	22.53	22.33	22.34
3	16QAM	1	14	22.48	22.55	22.74
3	16QAM	8	0	22.23	22.33	22.57
3	16QAM	8	4	22.43	22.40	22.38
3	16QAM	8	7	22.47	22.39	22.43
3	16QAM	15	0	21.62	21.57	21.72
3	64QAM	1	0	21.53	21.61	21.42
3	64QAM	1	8	21.34	21.52	21.68
3	64QAM	1	14	21.73	21.40	21.71
3	64QAM	8	0	21.54	21.51	21.56
3	64QAM	8	4	21.62	21.64	21.58
3	64QAM	8	7	21.70	21.71	21.59
3	64QAM	15	0	21.49	21.59	21.61



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	23.12	23.39	23.23
1.4	QPSK	1	3	23.11	23.15	23.23
1.4	QPSK	1	5	23.24	23.21	23.25
1.4	QPSK	3	0	23.33	23.22	23.36
1.4	QPSK	3	1	23.38	23.27	23.26
1.4	QPSK	3	3	23.28	23.32	23.28
1.4	QPSK	6	0	22.61	22.56	22.54
1.4	16QAM	1	0	22.94	22.95	22.64
1.4	16QAM	1	3	22.80	22.72	22.71
1.4	16QAM	1	5	22.64	22.86	22.99
1.4	16QAM	3	0	22.71	22.53	22.54
1.4	16QAM	3	1	22.64	22.76	22.74
1.4	16QAM	3	3	22.51	22.67	22.52
1.4	16QAM	6	0	21.87	21.64	21.69
1.4	64QAM	1	0	21.68	21.81	21.92
1.4	64QAM	1	3	21.92	21.80	21.75
1.4	64QAM	1	5	21.93	21.77	21.62
1.4	64QAM	3	0	21.91	21.87	21.85
1.4	64QAM	3	1	21.79	21.54	21.79
1.4	64QAM	3	3	21.52	21.57	21.82
1.4	64QAM	6	0	21.61	21.62	21.52



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	23.61	23.68	23.63
20	QPSK	1	49	23.36	23.43	23.47
20	QPSK	1	99	23.36	23.38	23.41
20	QPSK	50	0	22.51	22.82	22.67
20	QPSK	50	24	22.61	22.67	22.73
20	QPSK	50	50	22.58	22.73	22.71
20	QPSK	100	0	22.62	22.75	22.57
20	16QAM	1	0	22.57	22.54	22.39
20	16QAM	1	49	22.60	22.53	22.64
20	16QAM	1	99	22.24	22.18	22.55
20	16QAM	50	0	22.37	22.29	22.31
20	16QAM	50	24	22.40	22.31	22.47
20	16QAM	50	50	22.38	22.36	22.28
20	16QAM	100	0	22.22	22.33	22.24
20	64QAM	1	0	21.77	21.52	21.65
20	64QAM	1	49	21.55	21.82	21.75
20	64QAM	1	99	21.53	21.81	21.70
20	64QAM	50	0	21.32	21.31	21.34
20	64QAM	50	24	21.34	21.30	21.28
20	64QAM	50	50	21.50	21.43	21.21
20	64QAM	100	0	21.44	21.35	21.33



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	23.22	23.34	23.16
15	QPSK	1	37	23.12	23.29	23.27
15	QPSK	1	74	23.14	22.97	23.06
15	QPSK	36	0	22.60	22.45	22.50
15	QPSK	36	20	22.62	22.58	22.46
15	QPSK	36	39	22.58	22.59	22.56
15	QPSK	75	0	22.69	22.60	22.55
15	16QAM	1	0	22.58	22.69	22.53
15	16QAM	1	37	22.85	22.78	22.45
15	16QAM	1	74	22.52	22.54	22.62
15	16QAM	36	0	22.53	22.53	22.48
15	16QAM	36	20	22.58	22.66	22.58
15	16QAM	36	39	22.62	22.69	22.54
15	16QAM	75	0	22.35	22.42	22.52
15	64QAM	1	0	21.36	21.36	21.27
15	64QAM	1	37	21.55	21.32	21.51
15	64QAM	1	74	21.44	21.33	21.47
15	64QAM	36	0	21.48	21.33	21.42
15	64QAM	36	20	21.30	21.31	21.21
15	64QAM	36	39	21.34	21.32	21.34
15	64QAM	75	0	21.26	21.37	21.36



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				20800	21100	21400
Frequency (MHz)				2505	2535	2565
10	QPSK	1	0	23.22	23.21	23.26
10	QPSK	1	25	23.22	23.23	23.12
10	QPSK	1	49	23.29	23.15	23.12
10	QPSK	25	0	22.62	22.55	22.63
10	QPSK	25	12	22.71	22.68	22.58
10	QPSK	25	25	22.70	22.60	22.67
10	QPSK	50	0	22.38	22.40	22.39
10	16QAM	1	0	22.42	22.58	22.42
10	16QAM	1	25	22.60	22.53	22.40
10	16QAM	1	49	22.26	22.56	22.34
10	16QAM	25	0	22.34	22.32	22.50
10	16QAM	25	12	22.42	22.42	22.29
10	16QAM	25	25	22.41	22.37	22.46
10	16QAM	50	0	22.24	22.23	22.41
10	64QAM	1	0	21.48	21.46	21.55
10	64QAM	1	25	21.51	21.71	21.40
10	64QAM	1	49	21.41	21.42	21.60
10	64QAM	25	0	21.20	21.24	21.16
10	64QAM	25	12	21.19	21.30	21.16
10	64QAM	25	25	21.20	21.22	21.08
10	64QAM	50	0	21.30	21.11	21.23



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	23.07	23.11	23.08
5	QPSK	1	12	23.22	23.26	23.27
5	QPSK	1	24	23.07	23.17	23.18
5	QPSK	12	0	22.52	22.41	22.45
5	QPSK	12	7	22.62	22.55	22.50
5	QPSK	12	13	22.57	22.55	22.50
5	QPSK	25	0	22.53	22.48	22.47
5	16QAM	1	0	22.59	22.44	22.52
5	16QAM	1	12	22.48	22.56	22.48
5	16QAM	1	24	22.60	22.50	22.51
5	16QAM	12	0	22.51	22.50	22.47
5	16QAM	12	7	22.61	22.62	22.51
5	16QAM	12	13	22.58	22.45	22.48
5	16QAM	25	0	22.35	22.32	22.24
5	64QAM	1	0	21.32	21.04	21.49
5	64QAM	1	12	21.23	21.21	21.30
5	64QAM	1	24	21.22	20.99	21.49
5	64QAM	12	0	21.48	21.54	21.59
5	64QAM	12	7	21.74	21.48	21.61
5	64QAM	12	13	21.57	21.57	21.59
5	64QAM	25	0	21.65	21.56	21.55



LTE Band 38						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				37850	38000	38150
Frequency (MHz)				2580	2595	2610
20	QPSK	1	0	23.63	23.68	23.65
20	QPSK	1	49	23.63	23.64	23.43
20	QPSK	1	99	23.30	23.24	23.36
20	QPSK	50	0	22.52	22.66	22.63
20	QPSK	50	24	22.57	22.59	22.59
20	QPSK	50	50	22.51	22.36	22.49
20	QPSK	100	0	22.62	22.53	22.63
20	16QAM	1	0	22.02	22.23	22.11
20	16QAM	1	49	22.26	22.26	22.30
20	16QAM	1	99	22.23	22.19	22.28
20	16QAM	50	0	22.19	22.08	22.21
20	16QAM	50	24	22.07	22.11	22.12
20	16QAM	50	50	22.07	22.00	22.06
20	16QAM	100	0	22.16	22.13	22.17
20	64QAM	1	0	21.28	21.26	21.22
20	64QAM	1	49	21.20	21.19	21.18
20	64QAM	1	99	21.26	21.18	21.34
20	64QAM	50	0	21.13	21.16	21.20
20	64QAM	50	24	21.17	21.11	21.14
20	64QAM	50	50	21.11	21.12	21.12
20	64QAM	100	0	21.11	21.17	21.14



LTE Band 38						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				37825	38000	38175
Frequency (MHz)				2577.5	2595	2612.5
15	QPSK	1	0	23.43	23.61	23.51
15	QPSK	1	37	23.34	23.32	23.44
15	QPSK	1	74	23.55	23.55	23.31
15	QPSK	36	0	22.59	22.59	22.62
15	QPSK	36	20	22.57	22.59	22.60
15	QPSK	36	39	22.51	22.53	22.56
15	QPSK	75	0	22.56	22.55	22.59
15	16QAM	1	0	22.22	22.15	22.09
15	16QAM	1	37	22.29	22.23	22.29
15	16QAM	1	74	22.11	22.12	22.21
15	16QAM	36	0	22.12	22.07	22.17
15	16QAM	36	20	22.08	22.06	22.08
15	16QAM	36	39	22.09	22.03	22.00
15	16QAM	75	0	22.08	22.06	22.15
15	64QAM	1	0	21.26	21.22	21.32
15	64QAM	1	37	21.18	21.18	21.23
15	64QAM	1	74	21.35	21.26	21.25
15	64QAM	36	0	21.16	21.11	21.34
15	64QAM	36	20	21.09	21.12	21.13
15	64QAM	36	39	21.10	21.16	21.21
15	64QAM	75	0	21.08	21.05	21.30



LTE Band 38						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				37800	38000	38200
Frequency (MHz)				2575	2595	2615
10	QPSK	1	0	23.36	23.65	23.63
10	QPSK	1	25	23.54	23.44	23.31
10	QPSK	1	49	23.57	23.63	23.44
10	QPSK	25	0	22.57	22.63	22.73
10	QPSK	25	12	22.58	22.63	22.64
10	QPSK	25	25	22.64	22.51	22.66
10	QPSK	50	0	22.58	22.64	22.75
10	16QAM	1	0	22.27	22.25	22.29
10	16QAM	1	25	22.43	22.38	22.46
10	16QAM	1	49	22.30	22.23	22.32
10	16QAM	25	0	22.09	22.25	22.31
10	16QAM	25	12	22.17	22.25	22.26
10	16QAM	25	25	22.27	22.18	22.21
10	16QAM	50	0	22.19	22.21	22.24
10	64QAM	1	0	21.22	21.10	21.16
10	64QAM	1	25	21.30	21.27	21.27
10	64QAM	1	49	21.14	21.12	21.13
10	64QAM	25	0	21.31	21.33	21.39
10	64QAM	25	12	21.28	21.29	21.35
10	64QAM	25	25	21.28	21.22	21.33
10	64QAM	50	0	21.20	21.21	21.30



LTE Band 38						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				37775	38000	38225
Frequency (MHz)				2572.5	2595	2617.5
5	QPSK	1	0	23.53	23.60	23.22
5	QPSK	1	12	23.31	23.51	23.48
5	QPSK	1	24	23.49	23.47	23.55
5	QPSK	12	0	22.61	22.59	22.67
5	QPSK	12	7	22.66	22.62	22.73
5	QPSK	12	13	22.60	22.58	22.68
5	QPSK	25	0	22.57	22.50	22.58
5	16QAM	1	0	22.27	22.18	22.17
5	16QAM	1	12	22.36	22.30	22.34
5	16QAM	1	24	22.17	22.19	22.24
5	16QAM	12	0	22.14	22.12	22.18
5	16QAM	12	7	22.24	22.09	22.22
5	16QAM	12	13	22.07	22.11	22.19
5	16QAM	25	0	22.15	22.17	22.24
5	64QAM	1	0	21.17	21.08	21.14
5	64QAM	1	12	21.28	21.22	21.31
5	64QAM	1	24	21.07	21.14	21.18
5	64QAM	12	0	21.27	21.13	21.29
5	64QAM	12	7	21.23	21.18	21.35
5	64QAM	12	13	21.12	21.10	21.33
5	64QAM	25	0	21.32	21.26	21.26



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	/	22.82	/
10	QPSK	1	25	/	22.80	/
10	QPSK	1	49	/	22.77	/
10	QPSK	25	0	/	22.04	/
10	QPSK	25	12	/	21.95	/
10	QPSK	25	25	/	22.00	/
10	QPSK	50	0	/	22.01	/
10	16QAM	1	0	/	22.04	/
10	16QAM	1	25	/	22.05	/
10	16QAM	1	49	/	22.06	/
10	16QAM	25	0	/	22.12	/
10	16QAM	25	12	/	22.06	/
10	16QAM	25	25	/	22.25	/
10	16QAM	50	0	/	22.09	/
10	64QAM	1	0	/	21.23	/
10	64QAM	1	25	/	21.16	/
10	64QAM	1	49	/	21.30	/
10	64QAM	25	0	/	21.23	/
10	64QAM	25	12	/	21.14	/
10	64QAM	25	25	/	21.15	/
10	64QAM	50	0	/	21.24	/



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	22.67	22.79	22.64
5	QPSK	1	12	22.71	22.71	22.74
5	QPSK	1	24	22.74	22.64	22.63
5	QPSK	12	0	22.02	22.00	21.89
5	QPSK	12	7	22.03	22.00	21.99
5	QPSK	12	13	21.92	22.03	21.96
5	QPSK	25	0	21.96	22.00	22.03
5	16QAM	1	0	22.04	22.04	22.08
5	16QAM	1	12	22.09	22.18	22.15
5	16QAM	1	24	22.05	22.06	21.99
5	16QAM	12	0	21.96	21.90	21.81
5	16QAM	12	7	22.00	21.89	21.95
5	16QAM	12	13	21.94	21.89	21.99
5	16QAM	25	0	21.98	21.90	21.97
5	64QAM	1	0	21.10	21.17	21.21
5	64QAM	1	12	21.10	21.17	21.14
5	64QAM	1	24	21.10	21.17	21.26
5	64QAM	12	0	21.18	21.21	21.20
5	64QAM	12	7	21.17	21.21	21.25
5	64QAM	12	13	21.21	21.18	21.16
5	64QAM	25	0	21.01	21.10	21.18



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	/	22.83	/
10	QPSK	1	25	/	22.80	/
10	QPSK	1	49	/	22.79	/
10	QPSK	25	0	/	22.05	/
10	QPSK	25	12	/	21.95	/
10	QPSK	25	25	/	22.04	/
10	QPSK	50	0	/	21.91	/
10	16QAM	1	0	/	22.03	/
10	16QAM	1	25	/	22.13	/
10	16QAM	1	49	/	22.17	/
10	16QAM	25	0	/	22.04	/
10	16QAM	25	12	/	22.17	/
10	16QAM	25	25	/	22.20	/
10	16QAM	50	0	/	22.08	/
10	64QAM	1	0	/	21.23	/
10	64QAM	1	25	/	21.15	/
10	64QAM	1	49	/	21.14	/
10	64QAM	25	0	/	21.24	/
10	64QAM	25	12	/	21.11	/
10	64QAM	25	25	/	21.16	/
10	64QAM	50	0	/	21.17	/



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	22.72	22.75	22.67
5	QPSK	1	12	22.75	22.71	22.76
5	QPSK	1	24	22.49	22.52	22.53
5	QPSK	12	0	21.87	21.75	21.86
5	QPSK	12	7	21.97	21.84	21.85
5	QPSK	12	13	21.82	21.84	22.05
5	QPSK	25	0	22.10	22.16	22.22
5	16QAM	1	0	22.05	22.12	22.00
5	16QAM	1	12	22.15	22.12	22.18
5	16QAM	1	24	22.04	22.05	22.04
5	16QAM	12	0	21.94	21.89	21.93
5	16QAM	12	7	21.93	22.03	22.01
5	16QAM	12	13	21.96	21.87	21.96
5	16QAM	25	0	22.02	22.02	21.93
5	64QAM	1	0	21.02	20.94	20.86
5	64QAM	1	12	21.03	21.02	20.96
5	64QAM	1	24	20.88	20.84	20.91
5	64QAM	12	0	20.99	20.93	20.91
5	64QAM	12	7	20.99	21.03	20.96
5	64QAM	12	13	20.98	20.88	20.86
5	64QAM	25	0	20.97	20.96	20.98



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	22.77	22.97	22.82
20	QPSK	1	49	22.79	22.69	22.74
20	QPSK	1	99	22.82	22.78	22.79
20	QPSK	50	0	22.13	22.26	22.22
20	QPSK	50	24	22.14	22.16	22.19
20	QPSK	50	50	22.16	22.06	22.11
20	QPSK	100	0	22.19	22.15	22.16
20	16QAM	1	0	21.54	21.49	21.54
20	16QAM	1	49	21.88	21.73	21.80
20	16QAM	1	99	21.48	21.40	21.51
20	16QAM	50	0	21.01	20.97	21.06
20	16QAM	50	24	21.03	21.04	21.16
20	16QAM	50	50	21.04	20.93	21.01
20	16QAM	100	0	21.03	20.95	21.07
20	64QAM	1	0	20.32	20.37	20.39
20	64QAM	1	49	20.70	20.65	20.74
20	64QAM	1	99	20.40	20.37	20.41
20	64QAM	50	0	20.13	20.24	20.25
20	64QAM	50	24	20.24	20.23	20.25
20	64QAM	50	50	20.22	20.06	20.26
20	64QAM	100	0	20.23	20.18	20.23



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	22.60	22.41	22.46
15	QPSK	1	37	22.87	22.78	22.92
15	QPSK	1	74	22.59	22.45	22.56
15	QPSK	36	0	22.34	22.27	22.41
15	QPSK	36	20	22.37	22.31	22.39
15	QPSK	36	39	22.37	22.32	22.36
15	QPSK	75	0	22.32	22.30	22.47
15	16QAM	1	0	21.51	21.38	21.45
15	16QAM	1	37	21.92	21.75	21.89
15	16QAM	1	74	21.54	21.36	21.53
15	16QAM	36	0	21.20	21.21	21.37
15	16QAM	36	20	21.20	21.21	21.25
15	16QAM	36	39	21.27	21.14	21.21
15	16QAM	75	0	21.28	21.19	21.29
15	64QAM	1	0	20.43	20.33	20.34
15	64QAM	1	37	20.75	20.74	20.75
15	64QAM	1	74	20.45	20.35	20.44
15	64QAM	36	0	20.36	20.34	20.45
15	64QAM	36	20	20.42	20.37	20.48
15	64QAM	36	39	20.47	20.27	20.46
15	64QAM	75	0	20.35	20.38	20.47



LTE Band 41						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				40090	40640	41190
Frequency (MHz)				2540	2595	2650
10	QPSK	1	0	22.61	22.40	22.50
10	QPSK	1	25	22.86	22.85	22.81
10	QPSK	1	49	22.49	22.49	22.55
10	QPSK	25	0	22.31	22.32	22.37
10	QPSK	25	12	22.33	22.31	22.35
10	QPSK	25	25	22.36	22.19	22.39
10	QPSK	50	0	22.42	22.32	22.40
10	16QAM	1	0	21.55	21.44	21.49
10	16QAM	1	25	21.46	21.37	21.45
10	16QAM	1	49	21.14	21.03	21.13
10	16QAM	25	0	21.06	21.07	21.10
10	16QAM	25	12	21.16	21.01	21.02
10	16QAM	25	25	21.42	21.32	21.39
10	16QAM	50	0	21.42	21.37	21.48
10	64QAM	1	0	20.39	20.33	20.38
10	64QAM	1	25	20.74	20.72	20.70
10	64QAM	1	49	20.33	20.34	20.43
10	64QAM	25	0	20.42	20.43	20.46
10	64QAM	25	12	20.45	20.32	20.48
10	64QAM	25	25	20.42	20.26	20.46
10	64QAM	50	0	20.48	20.32	20.46



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	22.52	22.53	22.54
5	QPSK	1	12	22.86	22.81	22.65
5	QPSK	1	24	22.60	22.48	22.52
5	QPSK	12	0	22.34	22.41	22.41
5	QPSK	12	7	22.38	22.31	22.39
5	QPSK	12	13	22.39	22.21	22.38
5	QPSK	25	0	21.60	21.58	21.69
5	16QAM	1	0	21.60	21.53	21.46
5	16QAM	1	12	21.93	21.82	21.90
5	16QAM	1	24	21.54	21.46	21.15
5	16QAM	12	0	21.00	21.01	21.12
5	16QAM	12	7	21.17	21.01	21.11
5	16QAM	12	13	21.10	20.99	21.04
5	16QAM	25	0	21.02	20.98	21.02
5	64QAM	1	0	20.50	20.34	20.45
5	64QAM	1	12	20.74	20.71	20.75
5	64QAM	1	24	20.36	20.37	20.51
5	64QAM	12	0	20.42	20.36	20.47
5	64QAM	12	7	20.47	20.34	20.52
5	64QAM	12	13	20.47	20.28	20.48
5	64QAM	25	0	20.46	20.42	20.41

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

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	21.80	0.151	21.88	0.154	21.76	0.150
10	QPSK	1	25	21.87	0.154	21.76	0.150	21.77	0.150
10	QPSK	1	49	21.71	0.148	21.73	0.149	21.73	0.149
10	QPSK	25	0	20.95	0.124	21.03	0.127	20.98	0.125
10	QPSK	25	12	20.93	0.124	20.94	0.124	21.01	0.126
10	QPSK	25	25	20.92	0.124	20.93	0.124	20.9	0.123
10	QPSK	50	0	20.98	0.125	20.95	0.124	20.93	0.124
10	16QAM	1	0	20.76	0.119	20.91	0.123	20.77	0.119
10	16QAM	1	25	21.08	0.128	20.63	0.116	20.7	0.117
10	16QAM	1	49	20.87	0.122	20.67	0.117	20.98	0.125
10	16QAM	25	0	21.09	0.129	20.99	0.126	20.89	0.123
10	16QAM	25	12	20.98	0.125	20.98	0.125	21.00	0.126
10	16QAM	25	25	20.88	0.122	20.98	0.125	21.08	0.128
10	16QAM	50	0	20.92	0.124	20.97	0.125	20.98	0.125
10	64QAM	1	0	20.17	0.104	20.27	0.106	20.07	0.102
10	64QAM	1	25	20.18	0.104	20.19	0.104	20.32	0.108
10	64QAM	1	49	20.23	0.105	19.84	0.096	19.90	0.098
10	64QAM	25	0	20.02	0.100	19.90	0.098	19.94	0.099
10	64QAM	25	12	19.97	0.099	19.96	0.099	20.09	0.102
10	64QAM	25	25	19.94	0.099	19.88	0.097	19.97	0.099
10	64QAM	50	0	19.89	0.097	20.00	0.100	19.87	0.097



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	21.61	0.145	21.57	0.144	21.53	0.142
5	QPSK	1	12	21.55	0.143	21.44	0.139	21.64	0.146
5	QPSK	1	24	21.46	0.140	21.63	0.146	21.44	0.139
5	QPSK	12	0	20.8	0.120	20.83	0.121	20.85	0.122
5	QPSK	12	7	20.94	0.124	20.89	0.123	20.91	0.123
5	QPSK	12	13	20.92	0.124	20.86	0.122	20.87	0.122
5	QPSK	25	0	20.95	0.124	20.81	0.121	20.83	0.121
5	16QAM	1	0	20.77	0.119	20.50	0.112	20.64	0.116
5	16QAM	1	12	20.74	0.119	20.63	0.116	20.92	0.124
5	16QAM	1	24	20.81	0.121	20.8	0.120	20.52	0.113
5	16QAM	12	0	20.55	0.114	20.72	0.118	20.68	0.117
5	16QAM	12	7	20.81	0.121	20.73	0.118	20.74	0.119
5	16QAM	12	13	20.68	0.117	20.60	0.115	20.66	0.116
5	16QAM	25	0	19.91	0.098	19.91	0.098	20.01	0.100
5	64QAM	1	0	19.96	0.099	19.60	0.091	19.70	0.093
5	64QAM	1	12	19.87	0.097	19.87	0.097	19.89	0.097
5	64QAM	1	24	20.06	0.101	19.62	0.092	19.58	0.091
5	64QAM	12	0	19.96	0.099	19.93	0.098	19.95	0.099
5	64QAM	12	7	20.11	0.103	20.03	0.101	19.90	0.098
5	64QAM	12	13	19.87	0.097	19.84	0.096	19.92	0.098
5	64QAM	25	0	19.99	0.100	19.98	0.100	19.92	0.098



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	21.66	0.147	21.59	0.144	21.59	0.144
3	QPSK	1	8	21.60	0.145	21.53	0.142	21.68	0.147
3	QPSK	1	14	21.65	0.146	21.53	0.142	21.53	0.142
3	QPSK	8	0	20.82	0.121	20.91	0.123	21.00	0.126
3	QPSK	8	4	20.86	0.122	20.85	0.122	20.95	0.124
3	QPSK	8	7	20.95	0.124	20.77	0.119	20.95	0.124
3	QPSK	15	0	20.64	0.116	20.66	0.116	20.73	0.118
3	16QAM	1	0	20.78	0.120	20.69	0.117	20.91	0.123
3	16QAM	1	8	20.88	0.122	20.68	0.117	20.69	0.117
3	16QAM	1	14	20.83	0.121	20.9	0.123	21.09	0.129
3	16QAM	8	0	20.58	0.114	20.68	0.117	20.92	0.124
3	16QAM	8	4	20.78	0.120	20.75	0.119	20.73	0.118
3	16QAM	8	7	20.82	0.121	20.74	0.119	20.78	0.120
3	16QAM	15	0	19.97	0.099	19.92	0.098	20.07	0.102
3	64QAM	1	0	19.88	0.097	19.96	0.099	19.77	0.095
3	64QAM	1	8	19.69	0.093	19.87	0.097	20.03	0.101
3	64QAM	1	14	20.08	0.102	19.75	0.094	20.06	0.101
3	64QAM	8	0	19.89	0.097	19.86	0.097	19.91	0.098
3	64QAM	8	4	19.97	0.099	19.99	0.100	19.93	0.098
3	64QAM	8	7	20.05	0.101	20.06	0.101	19.94	0.099
3	64QAM	15	0	19.84	0.096	19.94	0.099	19.96	0.099



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	21.47	0.140	21.74	0.149	21.58	0.144
1.4	QPSK	1	3	21.46	0.140	21.50	0.141	21.58	0.144
1.4	QPSK	1	5	21.59	0.144	21.56	0.143	21.60	0.145
1.4	QPSK	3	0	21.68	0.147	21.57	0.144	21.71	0.148
1.4	QPSK	3	1	21.73	0.149	21.62	0.145	21.61	0.145
1.4	QPSK	3	3	21.63	0.146	21.67	0.147	21.63	0.146
1.4	QPSK	6	0	20.96	0.125	20.91	0.123	20.89	0.123
1.4	16QAM	1	0	21.29	0.135	21.30	0.135	20.99	0.126
1.4	16QAM	1	3	21.15	0.130	21.07	0.128	21.06	0.128
1.4	16QAM	1	5	20.99	0.126	21.21	0.132	21.34	0.136
1.4	16QAM	3	0	21.06	0.128	20.88	0.122	20.89	0.123
1.4	16QAM	3	1	20.99	0.126	21.11	0.129	21.09	0.129
1.4	16QAM	3	3	20.86	0.122	21.02	0.126	20.87	0.122
1.4	16QAM	6	0	20.22	0.105	19.99	0.100	20.04	0.101
1.4	64QAM	1	0	20.03	0.101	20.16	0.104	20.27	0.106
1.4	64QAM	1	3	20.27	0.106	20.15	0.104	20.10	0.102
1.4	64QAM	1	5	20.28	0.107	20.12	0.103	19.97	0.099
1.4	64QAM	3	0	20.26	0.106	20.22	0.105	20.20	0.105
1.4	64QAM	3	1	20.14	0.103	19.89	0.097	20.14	0.103
1.4	64QAM	3	3	19.87	0.097	19.92	0.098	20.17	0.104
1.4	64QAM	6	0	19.96	0.099	19.97	0.099	19.87	0.097



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	24.71	0.296	24.78	0.301	24.73	0.297
20	QPSK	1	49	24.46	0.279	24.53	0.284	24.57	0.286
20	QPSK	1	99	24.46	0.279	24.48	0.281	24.51	0.282
20	QPSK	50	0	23.61	0.230	23.92	0.247	23.77	0.238
20	QPSK	50	24	23.71	0.235	23.77	0.238	23.83	0.242
20	QPSK	50	50	23.68	0.233	23.83	0.242	23.81	0.240
20	QPSK	100	0	23.72	0.236	23.85	0.243	23.67	0.233
20	16QAM	1	0	23.67	0.233	23.64	0.231	23.49	0.223
20	16QAM	1	49	23.70	0.234	23.63	0.231	23.74	0.237
20	16QAM	1	99	23.34	0.216	23.28	0.213	23.65	0.232
20	16QAM	50	0	23.47	0.222	23.39	0.218	23.41	0.219
20	16QAM	50	24	23.50	0.224	23.41	0.219	23.57	0.228
20	16QAM	50	50	23.48	0.223	23.46	0.222	23.38	0.218
20	16QAM	100	0	23.32	0.215	23.43	0.220	23.34	0.216
20	64QAM	1	0	22.87	0.194	22.62	0.183	22.75	0.188
20	64QAM	1	49	22.65	0.184	22.92	0.196	22.85	0.193
20	64QAM	1	99	22.63	0.183	22.91	0.195	22.80	0.191
20	64QAM	50	0	22.42	0.175	22.41	0.174	22.44	0.175
20	64QAM	50	24	22.44	0.175	22.40	0.174	22.38	0.173
20	64QAM	50	50	22.60	0.182	22.53	0.179	22.31	0.170
20	64QAM	100	0	22.54	0.179	22.45	0.176	22.43	0.175



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	24.32	0.270	24.44	0.278	24.26	0.267
15	QPSK	1	37	24.22	0.264	24.39	0.275	24.37	0.274
15	QPSK	1	74	24.24	0.265	24.07	0.255	24.16	0.261
15	QPSK	36	0	23.70	0.234	23.55	0.226	23.6	0.229
15	QPSK	36	20	23.72	0.236	23.68	0.233	23.56	0.227
15	QPSK	36	39	23.68	0.233	23.69	0.234	23.66	0.232
15	QPSK	75	0	23.79	0.239	23.7	0.234	23.65	0.232
15	16QAM	1	0	23.68	0.233	23.79	0.239	23.63	0.231
15	16QAM	1	37	23.95	0.248	23.88	0.244	23.55	0.226
15	16QAM	1	74	23.62	0.230	23.64	0.231	23.72	0.236
15	16QAM	36	0	23.63	0.231	23.63	0.231	23.58	0.228
15	16QAM	36	20	23.68	0.233	23.76	0.238	23.68	0.233
15	16QAM	36	39	23.72	0.236	23.79	0.239	23.64	0.231
15	16QAM	75	0	23.45	0.221	23.52	0.225	23.62	0.230
15	64QAM	1	0	22.46	0.176	22.46	0.176	22.37	0.173
15	64QAM	1	37	22.65	0.184	22.42	0.175	22.61	0.182
15	64QAM	1	74	22.54	0.179	22.43	0.175	22.57	0.181
15	64QAM	36	0	22.58	0.181	22.43	0.175	22.52	0.179
15	64QAM	36	20	22.40	0.174	22.41	0.174	22.31	0.170
15	64QAM	36	39	22.44	0.175	22.42	0.175	22.44	0.175
15	64QAM	75	0	22.36	0.172	22.47	0.177	22.46	0.176



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	24.32	0.270	24.31	0.270	24.36	0.273
10	QPSK	1	25	24.32	0.270	24.33	0.271	24.22	0.264
10	QPSK	1	49	24.39	0.275	24.25	0.266	24.22	0.264
10	QPSK	25	0	23.72	0.236	23.65	0.232	23.73	0.236
10	QPSK	25	12	23.81	0.240	23.78	0.239	23.68	0.233
10	QPSK	25	25	23.80	0.240	23.70	0.234	23.77	0.238
10	QPSK	50	0	23.48	0.223	23.50	0.224	23.49	0.223
10	16QAM	1	0	23.52	0.225	23.68	0.233	23.52	0.225
10	16QAM	1	25	23.70	0.234	23.63	0.231	23.50	0.224
10	16QAM	1	49	23.36	0.217	23.66	0.232	23.44	0.221
10	16QAM	25	0	23.44	0.221	23.42	0.220	23.60	0.229
10	16QAM	25	12	23.52	0.225	23.52	0.225	23.39	0.218
10	16QAM	25	25	23.51	0.224	23.47	0.222	23.56	0.227
10	16QAM	50	0	23.34	0.216	23.33	0.215	23.51	0.224
10	64QAM	1	0	22.58	0.181	22.56	0.180	22.65	0.184
10	64QAM	1	25	22.61	0.182	22.81	0.191	22.50	0.178
10	64QAM	1	49	22.51	0.178	22.52	0.179	22.70	0.186
10	64QAM	25	0	22.30	0.170	22.34	0.171	22.26	0.168
10	64QAM	25	12	22.29	0.169	22.40	0.174	22.26	0.168
10	64QAM	25	25	22.30	0.170	22.32	0.171	22.18	0.165
10	64QAM	50	0	22.40	0.174	22.21	0.166	22.33	0.171



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	24.17	0.261	24.21	0.264	24.18	0.262
5	QPSK	1	12	24.32	0.270	24.36	0.273	24.37	0.274
5	QPSK	1	24	24.17	0.261	24.27	0.267	24.28	0.268
5	QPSK	12	0	23.62	0.230	23.51	0.224	23.55	0.226
5	QPSK	12	7	23.72	0.236	23.65	0.232	23.6	0.229
5	QPSK	12	13	23.67	0.233	23.65	0.232	23.6	0.229
5	QPSK	25	0	23.63	0.231	23.58	0.228	23.57	0.228
5	16QAM	1	0	23.69	0.234	23.54	0.226	23.62	0.230
5	16QAM	1	12	23.58	0.228	23.66	0.232	23.58	0.228
5	16QAM	1	24	23.70	0.234	23.6	0.229	23.61	0.230
5	16QAM	12	0	23.61	0.230	23.6	0.229	23.57	0.228
5	16QAM	12	7	23.71	0.235	23.72	0.236	23.61	0.230
5	16QAM	12	13	23.68	0.233	23.55	0.226	23.58	0.228
5	16QAM	25	0	23.45	0.221	23.42	0.220	23.34	0.216
5	64QAM	1	0	22.42	0.175	22.14	0.164	22.59	0.182
5	64QAM	1	12	22.33	0.171	22.31	0.170	22.40	0.174
5	64QAM	1	24	22.32	0.171	22.09	0.162	22.59	0.182
5	64QAM	12	0	22.58	0.181	22.64	0.184	22.69	0.186
5	64QAM	12	7	22.84	0.192	22.58	0.181	22.71	0.187
5	64QAM	12	13	22.67	0.185	22.67	0.185	22.69	0.186
5	64QAM	25	0	22.75	0.188	22.66	0.185	22.65	0.184



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	24.73	0.297	24.78	0.301	24.75	0.299
20	QPSK	1	49	24.73	0.297	24.74	0.298	24.53	0.284
20	QPSK	1	99	24.40	0.275	24.34	0.272	24.46	0.279
20	QPSK	50	0	23.62	0.230	23.76	0.238	23.73	0.236
20	QPSK	50	24	23.67	0.233	23.69	0.234	23.69	0.234
20	QPSK	50	50	23.61	0.230	23.46	0.222	23.59	0.229
20	QPSK	100	0	23.72	0.236	23.63	0.231	23.73	0.236
20	16QAM	1	0	23.12	0.205	23.33	0.215	23.21	0.209
20	16QAM	1	49	23.36	0.217	23.36	0.217	23.4	0.219
20	16QAM	1	99	23.33	0.215	23.29	0.213	23.38	0.218
20	16QAM	50	0	23.29	0.213	23.18	0.208	23.31	0.214
20	16QAM	50	24	23.17	0.207	23.21	0.209	23.22	0.210
20	16QAM	50	50	23.17	0.207	23.10	0.204	23.16	0.207
20	16QAM	100	0	23.26	0.212	23.23	0.210	23.27	0.212
20	64QAM	1	0	22.38	0.173	22.36	0.172	22.32	0.171
20	64QAM	1	49	22.30	0.170	22.29	0.169	22.28	0.169
20	64QAM	1	99	22.36	0.172	22.28	0.169	22.44	0.175
20	64QAM	50	0	22.23	0.167	22.26	0.168	22.3	0.170
20	64QAM	50	24	22.27	0.169	22.21	0.166	22.24	0.167
20	64QAM	50	50	22.21	0.166	22.22	0.167	22.22	0.167
20	64QAM	100	0	22.21	0.166	22.27	0.169	22.24	0.167