



REPORT No.: SZ21040156W02

TEST REPORT

APPLICANT : Reliance Communications LLC

PRODUCT NAME : Orbic Smart Wrist

MODEL NAME : RC178LWRT

BRAND NAME : Orbic

FCC ID : 2ABGH-RC178LWRT

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

RECEIPT DATE : 2020-12-17

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Change History		
Version	Date	Reason for change
1.0	2021-04-29	First edition



1. Technical Information

Note: Provide by applicant.

1.1. Applicant and Manufacturer Information

Applicant:	Reliance Communications LLC
Applicant Address:	91 Colin Drive, Unit 1, HOLBROOK, New York 11741, United States
Manufacturer:	Unimaxcomm
Manufacturer Address:	Room 602, Floor 6th, Building B, Software Park T3, Hi-Tech Park South, Nanshan District, Shenzhen, P.R. China

1.2. Equipment Under Test (EUT) Description

Product Name:	Orbic Smart Wrist	
Serial No.:	(N/A, marked #1 by test site)	
Hardware Version:	V1.1	
Software Version:	ORB178LWRT_v1.0.10_BVZRT	
Modulation Type:	QPSK, 16QAM	
Carrier Aggregation:	Not support	
Operation Band:	Band 2 / 4 / 5 / 12 / 13 / 66 / 71	
Frequency Range:	LTE Band 2	Tx: 1850MHz–1910MHz
		Rx: 1930MHz–1990MHz
	LTE Band 4	Tx: 1710MHz–1755MHz
		Rx: 2110MHz–2155MHz
	LTE Band 5	Tx: 824MHz–849MHz
		Rx: 869MHz–894MHz
	LTE Band 12	Tx: 699MHz - 716MHz
		Rx: 729MHz – 746MHz
	LTE Band 13	Tx: 777MHz–787MHz
		Rx: 746MHz–756MHz
	LTE Band 66	Tx: 1710MHz –1780MHz
		Rx: 2110MHz –2200MHz
	LTE Band 71	Tx: 663MHz –698MHz
		Rx: 617MHz –652MHz



Channel Bandwidth:	LTE Band 2	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 4	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 5	1.4MHz, 3MHz, 5MHz, 10MHz
	LTE Band 12	1.4MHz, 3 MHz, 5 MHz, 10MHz
	LTE Band 13	5 MHz, 10MHz
	LTE Band 66	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 71	5MHz, 10MHz, 15MHz, 20MHz
Antenna Type:	PIFA Antenna	
Antenna Gain:	LTE Band 2	0.6dBi
	LTE Band 4	0.6dBi
	LTE Band 5	0.5dBi
	LTE Band 12	0.5dBi
	LTE Band 13	0.5dBi
	LTE Band 66	0.6dBi
	LTE Band 71	0.6dBi
Accessory Information:	Battery	
	Brand Name:	Orbic
	Model No.:	BTE-430
	Serial No.:	(N/A, marked #1 by test site)
	Capacity:	420mAh
	Rated Voltage:	3.87V
	Charge Limit:	4.45V
	Manufacturer:	JIAD E ENERGY TECHNOLOGY (ZHUHAI)CO.,LTD
	Charging Base	
	Brand Name:	UNI
	Model No.:	W1-U01
	Serial No.:	(N/A, marked #1 by test site)
	Rated Output:	5V=1.5A
	Rated Input:	5V=2.0A
	Manufacturer:	SHEN ZHEN JINFULIN ELECTRONICS CO.,LTD

Note 1: This test report is variant from the original report (Report No.: SZ20110391W02, FCC ID: 2ABGH-RC178LW), based on the similarity between before, only changed model name, software version and FCC ID, the others are the same as before. The changes do not affect the results in this report.

Note 2: For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.

1.3. Maximum E.R.P./E.I.R.P. and Emission Designator

LTE Band 2		Maximum E.R.P./E.I.R.P. (W)		Emission Designator (99%OBW)	
BW(MHz)		QPSK	16QAM	QPSK	16QAM
20		0.239	0.208	17M9G7D	17M9W7D
15		0.237	0.206	13M5G7D	13M4W7D
10		0.231	0.199	8M99G7D	8M96W7D
5		0.231	0.205	4M51G7D	4M51W7D
3		0.235	0.203	2M70G7D	2M70W7D
1.4		0.237	0.208	1M10G7D	1M10W7D
LTE Band 4		Maximum E.R.P./E.I.R.P. (W)		Emission Designator (99%OBW)	
BW(MHz)		QPSK	16QAM	QPSK	16QAM
20		0.259	0.198	17M9G7D	17M9W7D
15		0.239	0.195	13M5G7D	13M5W7D
10		0.237	0.197	9M00G7D	8M96W7D
5		0.238	0.196	4M50G7D	4M51W7D
3		0.236	0.191	2M70G7D	2M70W7D
1.4		0.236	0.193	1M10G7D	1M10W7D
LTE Band 5		Maximum E.R.P./E.I.R.P. (W)		Emission Designator (99%OBW)	
BW(MHz)		QPSK	16QAM	QPSK	16QAM
10		0.142	0.121	8M99G7D	8M95W7D
5		0.140	0.123	4M51G7D	4M50W7D
3		0.137	0.117	2M70G7D	2M70W7D
1.4		0.147	0.118	1M10G7D	1M10W7D
LTE Band 12		Maximum E.R.P./E.I.R.P. (W)		Emission Designator (99%OBW)	
BW(MHz)		QPSK	16QAM	QPSK	16QAM
10		0.144	0.123	8M99G7D	8M95W7D
5		0.136	0.122	4M50G7D	4M50W7D
3		0.141	0.122	2M70G7D	2M70W7D
1.4		0.142	0.119	1M10G7D	1M10W7D
LTE Band 13		Maximum E.R.P./E.I.R.P. (W)		Emission Designator (99%OBW)	
BW(MHz)		QPSK	16QAM	QPSK	16QAM
10		0.128	0.101	8M96G7D	8M94W7D
5		0.127	0.096	4M50G7D	4M51W7D



LTE Band 66	Maximum E.R.P./E.I.R.P. (W)		Emission Designator (99%OBW)	
BW(MHz)	QPSK	16QAM	QPSK	16QAM
20	0.261	0.205	18M0G7D	18M0W7D
15	0.251	0.216	13M4G7D	13M5W7D
10	0.263	0.213	8M99G7D	8M94W7D
5	0.261	0.208	4M50G7D	4M50W7D
3	0.253	0.210	2M70G7D	2M69W7D
1.4	0.256	0.211	1M10G7D	1M10W7D
LTE Band 71	Maximum E.R.P./E.I.R.P. (W)		Emission Designator (99%OBW)	
BW(MHz)	QPSK	16QAM	QPSK	16QAM
20	0.150	0.138	17M9G7D	17M9W7D
15	0.146	0.125	13M5G7D	13M4W7D
10	0.147	0.129	8M99G7D	8M94W7D
5	0.146	0.122	4M50G7D	4M50W7D



1.4. Test Standards and Results

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

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

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

Section	Description	Test Date	Test Engineer	Result	Method Determination /Remark
2.1046 22.913(a)(2) 24.232(c) 27.50(b)(10) 27.50(c)(10) 27.50(d)(4)	Transmitter Conducted Output Power and E.R.P./E.I.R.P.	Mar 08&10, 2021	Chen Hao Lin Jiayong	PASS _{Note1}	No deviation
2.1049	Occupied Bandwidth	Dec 16&24&25, 2020	Ling Keye	PASS _{Note1}	No deviation
2.1055 22.355 24.235 27.54	Frequency Stability	Mar 08, 2021	Ling Keye	PASS _{Note1}	No deviation
24.232(d), 27.50(d)(5)	Peak to Average Radio	Dec 24&25, 2020 Feb 10, 2021	Ling Keye	PASS _{Note1}	No deviation
2.1051 22.917(a) 24.238(a) 27.53(c)(2) 27.53(g) 27.53(h)	Conducted Spurious Emissions	Dec 16&24, 2020	Ling Keye	PASS _{Note1}	No deviation
2.1051 22.917(a) 24.238(a)	Band Edge	Dec 17&24&25, 2020	Ling Keye	PASS _{Note1}	No deviation



27.53(c)(2) 27.53(g) 27.53(h)					
2.1051 22.917(a) 24.238(a) 27.53(c)(2) 27.53(g) 27.53(h)	Radiated Spurious Emissions	Feb 21&22, 2021 Mar 05, 2021	Lin Jiayong	PASS _{Note1}	No deviation

Note 1: The test results of these test items in this report refer to the test report (Report No.: SZ20110391W02).

Note 2: The tests were performed according to the method of measurements prescribed in KDB971168 D01 v03r01 and ANSI/TIA-603-E-2016.

Note 3: The path loss during the RF test is calibrated to correct the results by the offset setting in the test equipments. The ref offset 23.5dB contains two parts that cable loss 13.5dB and Attenuator 10dB.

Note 4: 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 5: When the test result is a critical value, we will use the measurement uncertainty give the judgment result based on the 95% risk level.

1.5. Environmental Conditions

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

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

2.47 CFR Part 2, Part 22H, Part 24E, Part 27 F&H&L&N Requirements

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

2.1.1. Requirement

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

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

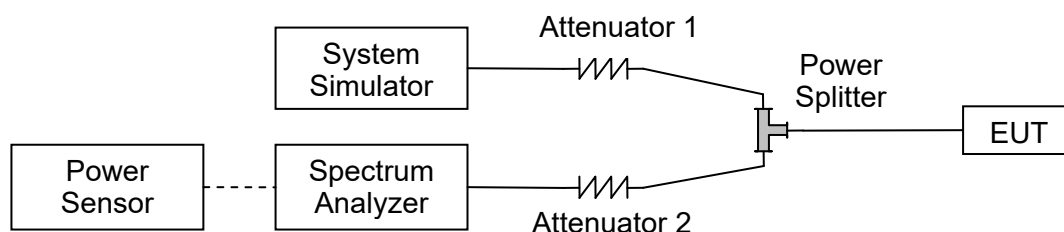
According to FCC section 27.50 (d)(4) for LTE Band 4/66, Fixed, mobile and portable (hand-held) stations in the 1710-1755MHz band are limited to 1wat E.I.R.P.

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

According to FCC section 27.50 (c)(10) for LTE Band 12/71, Portable stations (hand-held devices) operating in the 704-716MHz band are limited to 3watts E.R.P.

According to FCC section 27.50 (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.

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	23.11	23.18	23.15
20	QPSK	1	49	23.08	22.93	23.01
20	QPSK	1	99	23.07	23.14	23.12
20	QPSK	50	0	22.48	22.52	22.23
20	QPSK	50	24	22.31	22.31	22.26
20	QPSK	50	50	22.41	22.38	22.33
20	QPSK	100	0	22.45	22.26	22.36
20	16QAM	1	0	22.58	22.32	22.22
20	16QAM	1	49	22.35	22.64	22.45
20	16QAM	1	99	22.36	22.26	22.35
20	16QAM	50	0	22.23	22.06	22.22
20	16QAM	50	24	22.19	22.16	22.34
20	16QAM	50	50	22.35	22.04	22.00
20	16QAM	100	0	22.28	22.04	22.24



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18675	18900	19125
Frequency (MHz)				1857.5	1880	1902.5
15	QPSK	1	0	23.14	22.97	23.04
15	QPSK	1	37	22.97	23.01	23.04
15	QPSK	1	74	22.97	23.01	23.14
15	QPSK	36	0	22.29	22.18	21.91
15	QPSK	36	20	22.34	22.03	22.02
15	QPSK	36	39	22.22	22.06	22.27
15	QPSK	75	0	22.32	22.09	22.35
15	16QAM	1	0	22.38	22.19	22.34
15	16QAM	1	37	22.54	22.01	22.12
15	16QAM	1	74	22.15	22.14	22.18
15	16QAM	36	0	22.42	22.05	22.23
15	16QAM	36	20	22.36	22.12	22.27
15	16QAM	36	39	22.28	22.08	22.22
15	16QAM	75	0	22.31	22.19	22.24



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18650	18900	19150
Frequency (MHz)				1855	1880	1905
10	QPSK	1	0	23.03	22.88	23.03
10	QPSK	1	25	23.00	22.91	22.92
10	QPSK	1	49	22.97	22.90	23.03
10	QPSK	25	0	22.31	22.05	22.33
10	QPSK	25	12	22.28	22.04	22.24
10	QPSK	25	25	22.26	22.09	22.34
10	QPSK	50	0	22.24	22.02	22.04
10	16QAM	1	0	22.30	22.26	21.88
10	16QAM	1	25	22.38	22.21	22.16
10	16QAM	1	49	22.36	22.26	22.03
10	16QAM	25	0	22.29	22.02	22.07
10	16QAM	25	12	22.11	22.19	22.05
10	16QAM	25	25	22.15	22.25	22.16
10	16QAM	50	0	22.17	22.14	22.23



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	22.88	22.93	22.91
5	QPSK	1	12	23.03	23.04	23.01
5	QPSK	1	24	22.92	22.96	22.88
5	QPSK	12	0	22.31	22.04	22.37
5	QPSK	12	7	22.33	22.03	22.21
5	QPSK	12	13	22.21	22.01	22.29
5	QPSK	25	0	22.29	22.19	22.44
5	16QAM	1	0	22.50	22.12	22.47
5	16QAM	1	12	22.46	22.42	22.44
5	16QAM	1	24	22.51	22.26	22.25
5	16QAM	12	0	22.28	22.27	22.38
5	16QAM	12	7	22.30	22.07	22.26
5	16QAM	12	13	22.20	22.19	22.33
5	16QAM	25	0	22.36	22.10	22.29



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18615	18900	19185
Frequency (MHz)				1851.5	1880	1908.5
3	QPSK	1	0	23.09	23.02	23.01
3	QPSK	1	8	23.05	23.04	23.05
3	QPSK	1	14	23.03	22.97	23.11
3	QPSK	8	0	22.22	22.05	22.24
3	QPSK	8	4	22.27	22.07	22.15
3	QPSK	8	7	22.31	22.07	22.09
3	QPSK	15	0	22.26	22.04	22.18
3	16QAM	1	0	22.30	22.44	22.25
3	16QAM	1	8	22.39	22.19	22.23
3	16QAM	1	14	22.35	22.21	22.44
3	16QAM	8	0	22.47	22.04	22.18
3	16QAM	8	4	22.25	22.11	22.16
3	16QAM	8	7	22.33	22.08	22.18
3	16QAM	15	0	22.32	22.23	22.22



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18607	18900	19193
Frequency (MHz)				1850.7	1880	1909.3
1.4	QPSK	1	0	23.07	23.03	23.05
1.4	QPSK	1	3	23.08	22.97	22.98
1.4	QPSK	1	5	22.95	23.11	23.00
1.4	QPSK	3	0	23.12	22.90	23.06
1.4	QPSK	3	1	23.14	23.01	23.05
1.4	QPSK	3	3	23.09	22.96	22.95
1.4	QPSK	6	0	22.38	22.21	22.20
1.4	16QAM	1	0	22.42	22.42	22.36
1.4	16QAM	1	3	22.49	22.47	22.13
1.4	16QAM	1	5	22.43	22.48	22.13
1.4	16QAM	3	0	22.41	22.34	22.38
1.4	16QAM	3	1	22.59	22.33	22.40
1.4	16QAM	3	3	22.45	22.27	22.43
1.4	16QAM	6	0	22.25	22.29	22.26



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	23.32	23.54	23.51
20	QPSK	1	49	23.16	23.15	22.94
20	QPSK	1	99	22.98	22.96	22.98
20	QPSK	50	0	22.22	22.25	22.21
20	QPSK	50	24	22.10	22.06	22.21
20	QPSK	50	50	22.22	22.01	22.12
20	QPSK	100	0	22.03	22.16	22.14
20	16QAM	1	0	22.21	22.15	22.08
20	16QAM	1	49	22.02	22.11	22.34
20	16QAM	1	99	22.22	22.12	22.12
20	16QAM	50	0	22.36	22.17	22.28
20	16QAM	50	24	22.30	22.20	22.13
20	16QAM	50	50	22.23	22.04	22.01
20	16QAM	100	0	22.25	22.11	22.15



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	23.19	23.14	23.02
15	QPSK	1	37	22.93	23.04	23.04
15	QPSK	1	74	23.07	22.95	23.00
15	QPSK	36	0	22.31	22.16	22.21
15	QPSK	36	20	22.32	22.24	22.22
15	QPSK	36	39	22.24	22.22	22.13
15	QPSK	75	0	22.34	22.17	22.22
15	16QAM	1	0	22.13	22.15	22.03
15	16QAM	1	37	22.03	22.03	22.27
15	16QAM	1	74	22.31	21.92	22.20
15	16QAM	36	0	22.30	22.19	22.16
15	16QAM	36	20	22.23	22.18	22.19
15	16QAM	36	39	22.19	22.10	22.04
15	16QAM	75	0	22.29	22.16	22.11



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20000	20175	20350
Frequency (MHz)				1715	1732.5	1750
10	QPSK	1	0	22.88	23.15	23.07
10	QPSK	1	25	22.88	23.05	22.92
10	QPSK	1	49	23.11	23.02	23.08
10	QPSK	25	0	22.34	22.23	22.24
10	QPSK	25	12	22.38	22.28	22.17
10	QPSK	25	25	22.27	22.17	22.18
10	QPSK	50	0	22.31	22.24	22.29
10	16QAM	1	0	22.12	22.15	22.24
10	16QAM	1	25	22.03	22.19	22.25
10	16QAM	1	49	22.22	22.26	22.08
10	16QAM	25	0	22.21	22.28	22.26
10	16QAM	25	12	21.93	22.35	22.18
10	16QAM	25	25	22.20	22.25	22.20
10	16QAM	50	0	22.32	22.16	22.20



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				19975	20175	20375
Frequency (MHz)				1712.5	1732.5	1752.5
5	QPSK	1	0	23.17	23.02	23.00
5	QPSK	1	12	23.16	23.04	22.98
5	QPSK	1	24	23.01	22.86	23.02
5	QPSK	12	0	22.28	22.16	22.26
5	QPSK	12	7	22.34	22.21	22.17
5	QPSK	12	13	22.26	22.14	22.23
5	QPSK	25	0	22.28	22.22	22.25
5	16QAM	1	0	22.04	22.26	22.16
5	16QAM	1	12	22.12	22.18	22.24
5	16QAM	1	24	22.24	22.17	22.24
5	16QAM	12	0	22.26	22.13	22.26
5	16QAM	12	7	22.24	22.26	22.33
5	16QAM	12	13	22.16	22.17	22.15
5	16QAM	25	0	22.23	22.06	22.25



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	22.99	23.10	23.12
3	QPSK	1	8	23.07	23.00	23.03
3	QPSK	1	14	22.71	23.06	23.00
3	QPSK	8	0	22.12	22.04	22.03
3	QPSK	8	4	22.03	22.03	22.08
3	QPSK	8	7	22.22	22.25	22.12
3	QPSK	15	0	22.15	22.16	22.10
3	16QAM	1	0	22.13	22.02	22.13
3	16QAM	1	8	22.03	22.15	22.26
3	16QAM	1	14	22.12	22.12	22.23
3	16QAM	8	0	21.95	22.21	21.99
3	16QAM	8	4	21.99	21.91	21.95
3	16QAM	8	7	21.92	22.15	21.96
3	16QAM	15	0	21.98	22.03	22.26



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	23.12	23.07	22.95
1.4	QPSK	1	3	23.07	23.10	22.95
1.4	QPSK	1	5	23.10	22.98	23.02
1.4	QPSK	3	0	22.94	23.11	23.09
1.4	QPSK	3	1	22.74	23.07	23.00
1.4	QPSK	3	3	23.07	22.81	23.07
1.4	QPSK	6	0	22.23	22.12	22.21
1.4	16QAM	1	0	22.26	22.06	21.92
1.4	16QAM	1	3	22.03	22.22	22.03
1.4	16QAM	1	5	22.05	22.05	22.04
1.4	16QAM	3	0	22.09	22.03	22.10
1.4	16QAM	3	1	21.92	22.23	22.02
1.4	16QAM	3	3	22.26	22.13	22.16
1.4	16QAM	6	0	22.11	22.11	22.15



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20450	20525	20600
Frequency (MHz)				829	836.5	844
10	QPSK	1	0	23.05	23.18	23.08
10	QPSK	1	25	23.03	23.13	23.14
10	QPSK	1	49	22.99	23.11	23.09
10	QPSK	25	0	22.42	22.56	22.49
10	QPSK	25	12	22.49	22.42	22.49
10	QPSK	25	25	22.41	22.49	22.41
10	QPSK	50	0	22.53	22.40	22.24
10	16QAM	1	0	22.32	22.36	22.01
10	16QAM	1	25	22.49	22.42	22.07
10	16QAM	1	49	22.29	22.02	22.17
10	16QAM	25	0	21.92	22.14	22.06
10	16QAM	25	12	22.24	22.11	22.03
10	16QAM	25	25	22.06	22.13	22.12
10	16QAM	50	0	22.24	22.12	22.06



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20425	20525	20625
Frequency (MHz)				826.5	836.5	846.5
5	QPSK	1	0	22.98	23.09	23.11
5	QPSK	1	12	22.89	22.93	23.06
5	QPSK	1	24	22.98	23.01	22.99
5	QPSK	12	0	22.25	22.55	22.21
5	QPSK	12	7	22.51	22.58	22.16
5	QPSK	12	13	22.45	22.49	22.23
5	QPSK	25	0	22.31	22.60	22.23
5	16QAM	1	0	22.03	22.24	22.07
5	16QAM	1	12	22.12	22.10	22.56
5	16QAM	1	24	22.06	22.11	22.36
5	16QAM	12	0	22.25	22.13	22.13
5	16QAM	12	7	22.12	22.15	22.14
5	16QAM	12	13	22.22	22.02	22.18
5	16QAM	25	0	22.34	22.24	22.21



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20415	20525	20635
Frequency (MHz)				825.5	836.5	847.5
3	QPSK	1	0	22.69	23.03	22.83
3	QPSK	1	8	22.69	22.98	22.91
3	QPSK	1	14	22.69	23.11	22.89
3	QPSK	8	0	22.42	22.32	22.53
3	QPSK	8	4	22.49	22.35	22.43
3	QPSK	8	7	22.37	22.41	22.32
3	QPSK	15	0	22.43	22.45	22.24
3	16QAM	1	0	22.12	22.00	22.33
3	16QAM	1	8	22.12	22.24	22.23
3	16QAM	1	14	22.10	22.12	22.31
3	16QAM	8	0	22.24	22.09	22.11
3	16QAM	8	4	22.03	22.14	22.32
3	16QAM	8	7	22.13	22.25	22.21
3	16QAM	15	0	22.12	22.19	22.14



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	23.00	23.21
1.4	QPSK	1	3	23.31	23.06	23.21
1.4	QPSK	1	5	23.20	22.90	22.98
1.4	QPSK	3	0	23.19	23.06	23.08
1.4	QPSK	3	1	23.04	23.14	23.15
1.4	QPSK	3	3	23.13	23.06	23.15
1.4	QPSK	6	0	22.29	22.07	22.24
1.4	16QAM	1	0	22.11	22.07	22.12
1.4	16QAM	1	3	22.18	22.15	22.17
1.4	16QAM	1	5	22.16	22.17	22.17
1.4	16QAM	3	0	22.22	22.21	22.20
1.4	16QAM	3	1	22.12	22.14	22.17
1.4	16QAM	3	3	22.37	22.15	22.24
1.4	16QAM	6	0	22.15	22.29	22.24



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23060	23095	23130
Frequency (MHz)				704	707.5	711
10	QPSK	1	0	23.09	23.23	22.99
10	QPSK	1	25	22.99	23.14	23.08
10	QPSK	1	49	22.96	23.14	23.01
10	QPSK	25	0	22.15	22.20	22.08
10	QPSK	25	12	22.13	22.00	22.18
10	QPSK	25	25	22.17	22.08	22.15
10	QPSK	50	0	22.04	22.08	22.00
10	16QAM	1	0	22.32	22.13	22.35
10	16QAM	1	25	22.35	22.50	22.36
10	16QAM	1	49	22.54	22.43	22.38
10	16QAM	25	0	21.45	21.33	21.41
10	16QAM	25	12	21.30	21.46	21.50
10	16QAM	25	25	21.54	21.49	21.36
10	16QAM	50	0	21.58	21.39	21.34



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23035	23095	23155
Frequency (MHz)				701.5	707.5	713.5
5	QPSK	1	0	22.99	22.92	22.94
5	QPSK	1	12	22.81	23.13	23.10
5	QPSK	1	24	22.82	22.99	23.02
5	QPSK	12	0	21.82	21.87	22.11
5	QPSK	12	7	21.81	22.02	22.14
5	QPSK	12	13	22.00	22.10	22.26
5	QPSK	25	0	22.11	21.92	22.21
5	16QAM	1	0	22.22	22.29	22.31
5	16QAM	1	12	22.28	22.52	22.29
5	16QAM	1	24	22.24	22.30	22.53
5	16QAM	12	0	21.20	21.22	21.17
5	16QAM	12	7	21.17	21.46	21.26
5	16QAM	12	13	21.25	21.33	21.26
5	16QAM	25	0	21.23	21.36	21.25



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23025	23095	23165
Frequency (MHz)				700.5	707.5	714.5
3	QPSK	1	0	22.70	22.98	23.11
3	QPSK	1	8	22.72	23.01	23.11
3	QPSK	1	14	22.84	22.99	23.15
3	QPSK	8	0	22.12	21.99	22.25
3	QPSK	8	4	22.30	22.10	22.32
3	QPSK	8	7	22.31	22.04	22.23
3	QPSK	15	0	22.34	21.91	22.26
3	16QAM	1	0	22.19	22.50	22.33
3	16QAM	1	8	22.29	22.45	22.31
3	16QAM	1	14	22.22	22.48	22.33
3	16QAM	8	0	21.32	21.01	21.19
3	16QAM	8	4	21.11	21.06	21.17
3	16QAM	8	7	21.09	21.20	21.35
3	16QAM	15	0	21.12	21.03	21.32



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23017	23095	23173
Frequency (MHz)				699.7	707.5	715.3
1.4	QPSK	1	0	22.74	22.89	23.18
1.4	QPSK	1	3	22.68	22.95	23.01
1.4	QPSK	1	5	22.72	22.99	23.09
1.4	QPSK	3	0	22.83	23.03	23.01
1.4	QPSK	3	1	22.75	23.06	22.88
1.4	QPSK	3	3	22.90	23.07	22.99
1.4	QPSK	6	0	22.32	22.11	22.28
1.4	16QAM	1	0	22.22	22.40	22.34
1.4	16QAM	1	3	22.13	22.20	22.20
1.4	16QAM	1	5	22.19	22.11	22.30
1.4	16QAM	3	0	22.29	22.02	22.03
1.4	16QAM	3	1	22.23	22.14	22.18
1.4	16QAM	3	3	22.17	21.98	22.25
1.4	16QAM	6	0	21.13	21.15	21.46



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	/	22.72	/
10	QPSK	1	25	/	22.68	/
10	QPSK	1	49	/	22.71	/
10	QPSK	25	0	/	21.95	/
10	QPSK	25	12	/	21.77	/
10	QPSK	25	25	/	21.75	/
10	QPSK	50	0	/	21.75	/
10	16QAM	1	0	/	21.46	/
10	16QAM	1	25	/	21.68	/
10	16QAM	1	49	/	21.49	/
10	16QAM	25	0	/	21.69	/
10	16QAM	25	12	/	21.61	/
10	16QAM	25	25	/	21.52	/
10	16QAM	50	0	/	21.40	/



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	22.51	22.70	22.37
5	QPSK	1	12	22.63	22.65	22.34
5	QPSK	1	24	22.34	22.47	22.54
5	QPSK	12	0	21.17	21.23	21.30
5	QPSK	12	7	21.27	21.31	21.39
5	QPSK	12	13	21.37	21.26	21.24
5	QPSK	25	0	21.56	21.59	21.46
5	16QAM	1	0	21.40	21.38	21.15
5	16QAM	1	12	21.25	21.17	21.25
5	16QAM	1	24	21.48	21.17	21.49
5	16QAM	12	0	21.27	21.37	21.49
5	16QAM	12	7	21.24	21.29	21.48
5	16QAM	12	13	21.33	21.20	21.59
5	16QAM	25	0	21.32	21.22	21.24



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	23.40	23.64	23.51
20	QPSK	1	49	23.34	23.57	23.32
20	QPSK	1	99	23.24	23.16	23.22
20	QPSK	50	0	22.36	22.79	22.50
20	QPSK	50	24	22.48	22.68	22.63
20	QPSK	50	50	22.50	22.62	22.79
20	QPSK	100	0	22.55	22.62	22.19
20	16QAM	1	0	22.42	22.37	22.35
20	16QAM	1	49	22.52	22.35	22.31
20	16QAM	1	99	22.38	22.37	22.39
20	16QAM	50	0	21.35	21.56	21.28
20	16QAM	50	24	21.45	21.67	21.25
20	16QAM	50	50	21.50	21.70	21.32
20	16QAM	100	0	21.49	21.64	21.22



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132047	132322	132597
Frequency (MHz)				1717.5	1745	1772.5
15	QPSK	1	0	23.11	23.39	23.08
15	QPSK	1	37	23.37	23.37	23.04
15	QPSK	1	74	23.38	23.20	23.34
15	QPSK	36	0	22.37	22.59	22.24
15	QPSK	36	20	22.38	22.65	22.19
15	QPSK	36	39	22.40	22.64	22.29
15	QPSK	75	0	22.43	22.56	22.08
15	16QAM	1	0	22.25	22.50	22.30
15	16QAM	1	37	22.49	22.75	22.25
15	16QAM	1	74	22.51	22.32	22.35
15	16QAM	36	0	21.31	21.53	21.54
15	16QAM	36	20	21.33	21.61	21.55
15	16QAM	36	39	21.36	21.49	21.50
15	16QAM	75	0	21.40	21.56	21.44



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	23.39	23.48	23.52
10	QPSK	1	25	23.44	23.60	23.39
10	QPSK	1	49	23.22	23.35	23.37
10	QPSK	25	0	22.35	22.65	22.52
10	QPSK	25	12	22.39	22.66	22.39
10	QPSK	25	25	22.40	22.70	22.54
10	QPSK	50	0	22.39	22.70	22.39
10	16QAM	1	0	22.32	22.69	22.35
10	16QAM	1	25	22.49	22.44	22.35
10	16QAM	1	49	22.38	22.35	22.39
10	16QAM	25	0	21.38	21.68	21.55
10	16QAM	25	12	21.45	21.35	21.66
10	16QAM	25	25	21.67	21.22	21.25
10	16QAM	50	0	21.44	21.71	21.51



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				131997	132322	132647
Frequency (MHz)				1712.5	1745	1777.5
5	QPSK	1	0	23.31	23.32	23.30
5	QPSK	1	12	23.18	23.56	23.24
5	QPSK	1	24	23.23	23.34	23.29
5	QPSK	12	0	22.37	22.62	22.63
5	QPSK	12	7	22.31	22.59	22.62
5	QPSK	12	13	22.33	22.61	22.55
5	QPSK	25	0	22.22	22.62	22.62
5	16QAM	1	0	22.17	22.59	22.42
5	16QAM	1	12	22.29	22.12	22.39
5	16QAM	1	24	22.31	22.52	22.40
5	16QAM	12	0	21.52	21.64	21.70
5	16QAM	12	7	21.59	21.66	21.49
5	16QAM	12	13	21.53	21.66	21.22
5	16QAM	25	0	21.35	21.63	21.14



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	23.31	23.35	23.32
3	QPSK	1	8	23.28	23.43	23.42
3	QPSK	1	14	23.19	23.19	23.19
3	QPSK	8	0	22.58	22.56	22.52
3	QPSK	8	4	22.57	22.54	22.56
3	QPSK	8	7	22.52	22.55	22.45
3	QPSK	15	0	22.47	22.49	22.38
3	16QAM	1	0	22.52	22.49	22.53
3	16QAM	1	8	22.62	22.63	22.62
3	16QAM	1	14	22.41	22.47	22.46
3	16QAM	8	0	21.77	21.55	21.62
3	16QAM	8	4	21.55	21.62	21.55
3	16QAM	8	7	21.62	21.55	21.54
3	16QAM	15	0	21.55	21.64	21.56



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	23.32	23.36	23.33
1.4	QPSK	1	3	23.48	23.44	23.43
1.4	QPSK	1	5	23.20	23.20	23.20
1.4	QPSK	3	0	22.59	22.57	22.53
1.4	QPSK	3	1	22.58	22.55	22.57
1.4	QPSK	3	3	22.53	22.56	22.46
1.4	QPSK	6	0	22.48	22.50	22.39
1.4	16QAM	1	0	22.53	22.50	22.54
1.4	16QAM	1	3	22.63	22.64	22.63
1.4	16QAM	1	5	22.42	22.48	22.47
1.4	16QAM	3	0	22.49	22.27	22.34
1.4	16QAM	3	1	22.27	22.34	22.27
1.4	16QAM	3	3	22.34	22.27	22.26
1.4	16QAM	6	0	21.27	21.36	21.28



LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133222	133322	133372
Frequency (MHz)				673	683	688
20	QPSK	1	0	23.24	23.42	23.13
20	QPSK	1	49	23.36	23.38	23.34
20	QPSK	1	99	23.21	23.32	23.19
20	QPSK	50	0	22.60	22.73	22.63
20	QPSK	50	24	22.53	22.59	22.63
20	QPSK	50	50	22.66	22.61	22.51
20	QPSK	100	0	22.46	22.49	22.38
20	16QAM	1	0	22.70	22.64	22.67
20	16QAM	1	49	23.04	22.67	22.77
20	16QAM	1	99	22.67	22.64	22.66
20	16QAM	50	0	21.49	21.49	21.56
20	16QAM	50	24	21.53	21.51	21.48
20	16QAM	50	50	21.45	21.41	21.32
20	16QAM	100	0	21.49	21.47	21.40



LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133197	133297	133397
Frequency (MHz)				670.8	680.5	690.5
15	QPSK	1	0	23.25	23.12	23.12
15	QPSK	1	37	23.17	23.29	23.26
15	QPSK	1	74	23.18	23.16	23.12
15	QPSK	36	0	22.22	22.29	22.26
15	QPSK	36	20	22.20	22.17	22.12
15	QPSK	36	39	22.26	22.13	22.00
15	QPSK	75	0	22.21	22.17	22.16
15	16QAM	1	0	22.33	22.45	22.27
15	16QAM	1	37	22.63	22.58	22.47
15	16QAM	1	74	22.37	22.37	22.44
15	16QAM	36	0	21.24	21.39	21.20
15	16QAM	36	20	21.33	21.22	21.22
15	16QAM	36	39	21.24	21.14	21.04
15	16QAM	75	0	21.28	21.15	21.22



LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133172	133272	133422
Frequency (MHz)				668	678	693
10	QPSK	1	0	23.27	23.27	23.29
10	QPSK	1	25	23.32	23.26	23.21
10	QPSK	1	49	23.21	23.03	23.11
10	QPSK	25	0	22.32	22.21	22.27
10	QPSK	25	12	22.40	22.30	22.25
10	QPSK	25	25	22.31	22.23	22.19
10	QPSK	50	0	22.40	22.30	22.08
10	16QAM	1	0	22.32	22.38	22.34
10	16QAM	1	25	22.77	22.75	22.38
10	16QAM	1	49	22.71	22.37	22.35
10	16QAM	25	0	21.34	21.21	21.29
10	16QAM	25	12	21.37	21.34	21.17
10	16QAM	25	25	21.38	21.26	21.25
10	16QAM	50	0	21.36	21.32	21.18



LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133147	133247	133447
Frequency (MHz)				665.5	675.5	695.5
5	QPSK	1	0	23.18	23.08	23.08
5	QPSK	1	12	23.26	23.29	23.24
5	QPSK	1	24	23.18	23.10	23.02
5	QPSK	12	0	22.24	22.25	22.22
5	QPSK	12	7	22.36	22.29	22.23
5	QPSK	12	13	22.26	22.19	22.22
5	QPSK	25	0	22.32	22.28	22.27
5	16QAM	1	0	22.38	22.18	22.52
5	16QAM	1	12	22.42	22.53	22.44
5	16QAM	1	24	22.34	22.09	22.49
5	16QAM	12	0	21.31	21.23	21.25
5	16QAM	12	7	21.30	21.37	21.22
5	16QAM	12	13	21.28	21.19	21.17
5	16QAM	25	0	21.29	21.26	21.15

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

LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18700		18900		19100	
Frequency (MHz)				1860		1880		1900	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	23.71	0.235	23.78	0.239	23.75	0.237
20	QPSK	1	49	23.68	0.233	23.53	0.225	23.61	0.230
20	QPSK	1	99	23.67	0.233	23.74	0.237	23.72	0.236
20	QPSK	50	0	23.08	0.203	23.12	0.205	22.83	0.192
20	QPSK	50	24	22.91	0.195	22.91	0.195	22.86	0.193
20	QPSK	50	50	23.01	0.200	22.98	0.199	22.93	0.196
20	QPSK	100	0	23.05	0.202	22.86	0.193	22.96	0.198
20	16QAM	1	0	23.18	0.208	22.92	0.196	22.82	0.191
20	16QAM	1	49	22.95	0.197	23.24	0.211	23.05	0.202
20	16QAM	1	99	22.96	0.198	22.86	0.193	22.95	0.197
20	16QAM	50	0	22.83	0.192	22.66	0.185	22.82	0.191
20	16QAM	50	24	22.79	0.190	22.76	0.189	22.94	0.197
20	16QAM	50	50	22.95	0.197	22.64	0.184	22.60	0.182
20	16QAM	100	0	22.88	0.194	22.64	0.184	22.84	0.192



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	23.74	0.237	23.57	0.228	23.64	0.231
15	QPSK	1	37	23.57	0.228	23.61	0.230	23.64	0.231
15	QPSK	1	74	23.57	0.228	23.61	0.230	23.74	0.237
15	QPSK	36	0	22.89	0.195	22.78	0.190	22.51	0.178
15	QPSK	36	20	22.94	0.197	22.63	0.183	22.62	0.183
15	QPSK	36	39	22.82	0.191	22.66	0.185	22.87	0.194
15	QPSK	75	0	22.92	0.196	22.69	0.186	22.95	0.197
15	16QAM	1	0	22.98	0.199	22.79	0.190	22.94	0.197
15	16QAM	1	37	23.14	0.206	22.61	0.182	22.72	0.187
15	16QAM	1	74	22.75	0.188	22.74	0.188	22.78	0.190
15	16QAM	36	0	23.02	0.200	22.65	0.184	22.83	0.192
15	16QAM	36	20	22.96	0.198	22.72	0.187	22.87	0.194
15	16QAM	36	39	22.88	0.194	22.68	0.185	22.82	0.191
15	16QAM	75	0	22.91	0.195	22.79	0.190	22.84	0.192



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	23.63	0.231	23.48	0.223	23.63	0.231
10	QPSK	1	25	23.60	0.229	23.51	0.224	23.52	0.225
10	QPSK	1	49	23.57	0.228	23.50	0.224	23.63	0.231
10	QPSK	25	0	22.91	0.195	22.65	0.184	22.93	0.196
10	QPSK	25	12	22.88	0.194	22.64	0.184	22.84	0.192
10	QPSK	25	25	22.86	0.193	22.69	0.186	22.94	0.197
10	QPSK	50	0	22.84	0.192	22.62	0.183	22.64	0.184
10	16QAM	1	0	22.90	0.195	22.86	0.193	22.48	0.177
10	16QAM	1	25	22.98	0.199	22.81	0.191	22.76	0.189
10	16QAM	1	49	22.96	0.198	22.86	0.193	22.63	0.183
10	16QAM	25	0	22.89	0.195	22.62	0.183	22.67	0.185
10	16QAM	25	12	22.71	0.187	22.79	0.190	22.65	0.184
10	16QAM	25	25	22.75	0.188	22.85	0.193	22.76	0.189
10	16QAM	50	0	22.77	0.189	22.74	0.188	22.83	0.192



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	23.48	0.223	23.53	0.225	23.51	0.224
5	QPSK	1	12	23.63	0.231	23.64	0.231	23.61	0.230
5	QPSK	1	24	23.52	0.225	23.56	0.227	23.48	0.223
5	QPSK	12	0	22.91	0.195	22.64	0.184	22.97	0.198
5	QPSK	12	7	22.93	0.196	22.63	0.183	22.81	0.191
5	QPSK	12	13	22.81	0.191	22.61	0.182	22.89	0.195
5	QPSK	25	0	22.89	0.195	22.79	0.190	23.04	0.201
5	16QAM	1	0	23.10	0.204	22.72	0.187	23.07	0.203
5	16QAM	1	12	23.06	0.202	23.02	0.200	23.04	0.201
5	16QAM	1	24	23.11	0.205	22.86	0.193	22.85	0.193
5	16QAM	12	0	22.88	0.194	22.87	0.194	22.98	0.199
5	16QAM	12	7	22.90	0.195	22.67	0.185	22.86	0.193
5	16QAM	12	13	22.80	0.191	22.79	0.190	22.93	0.196
5	16QAM	25	0	22.96	0.198	22.70	0.186	22.89	0.195



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	23.69	0.234	23.62	0.230	23.61	0.230
3	QPSK	1	8	23.65	0.232	23.64	0.231	23.65	0.232
3	QPSK	1	14	23.63	0.231	23.57	0.228	23.71	0.235
3	QPSK	8	0	22.82	0.191	22.65	0.184	22.84	0.192
3	QPSK	8	4	22.87	0.194	22.67	0.185	22.75	0.188
3	QPSK	8	7	22.91	0.195	22.67	0.185	22.69	0.186
3	QPSK	15	0	22.86	0.193	22.64	0.184	22.78	0.190
3	16QAM	1	0	22.90	0.195	23.04	0.201	22.85	0.193
3	16QAM	1	8	22.99	0.199	22.79	0.190	22.83	0.192
3	16QAM	1	14	22.95	0.197	22.81	0.191	23.04	0.201
3	16QAM	8	0	23.07	0.203	22.64	0.184	22.78	0.190
3	16QAM	8	4	22.85	0.193	22.71	0.187	22.76	0.189
3	16QAM	8	7	22.93	0.196	22.68	0.185	22.78	0.190
3	16QAM	15	0	22.92	0.196	22.83	0.192	22.82	0.191



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	23.67	0.233	23.63	0.231	23.65	0.232
1.4	QPSK	1	3	23.68	0.233	23.57	0.228	23.58	0.228
1.4	QPSK	1	5	23.55	0.226	23.71	0.235	23.60	0.229
1.4	QPSK	3	0	23.72	0.236	23.50	0.224	23.66	0.232
1.4	QPSK	3	1	23.74	0.237	23.61	0.230	23.65	0.232
1.4	QPSK	3	3	23.69	0.234	23.56	0.227	23.55	0.226
1.4	QPSK	6	0	22.98	0.199	22.81	0.191	22.80	0.191
1.4	16QAM	1	0	23.02	0.200	23.02	0.200	22.96	0.198
1.4	16QAM	1	3	23.09	0.204	23.07	0.203	22.73	0.187
1.4	16QAM	1	5	23.03	0.201	23.08	0.203	22.73	0.187
1.4	16QAM	3	0	23.01	0.200	22.94	0.197	22.98	0.199
1.4	16QAM	3	1	23.19	0.208	22.93	0.196	23.00	0.200
1.4	16QAM	3	3	23.05	0.202	22.87	0.194	23.03	0.201
1.4	16QAM	6	0	22.85	0.193	22.89	0.195	22.86	0.193



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	23.92	0.247	24.14	0.259	24.11	0.258
20	QPSK	1	49	23.76	0.238	23.75	0.237	23.54	0.226
20	QPSK	1	99	23.58	0.228	23.56	0.227	23.58	0.228
20	QPSK	50	0	22.82	0.191	22.85	0.193	22.81	0.191
20	QPSK	50	24	22.70	0.186	22.66	0.185	22.81	0.191
20	QPSK	50	50	22.82	0.191	22.61	0.182	22.72	0.187
20	QPSK	100	0	22.63	0.183	22.76	0.189	22.74	0.188
20	16QAM	1	0	22.81	0.191	22.75	0.188	22.68	0.185
20	16QAM	1	49	22.62	0.183	22.71	0.187	22.94	0.197
20	16QAM	1	99	22.82	0.191	22.72	0.187	22.72	0.187
20	16QAM	50	0	22.96	0.198	22.77	0.189	22.88	0.194
20	16QAM	50	24	22.90	0.195	22.80	0.191	22.73	0.187
20	16QAM	50	50	22.83	0.192	22.64	0.184	22.61	0.182
20	16QAM	100	0	22.85	0.193	22.71	0.187	22.75	0.188



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	23.79	0.239	23.74	0.237	23.62	0.230
15	QPSK	1	37	23.53	0.225	23.64	0.231	23.64	0.231
15	QPSK	1	74	23.67	0.233	23.55	0.226	23.60	0.229
15	QPSK	36	0	22.91	0.195	22.76	0.189	22.81	0.191
15	QPSK	36	20	22.92	0.196	22.84	0.192	22.82	0.191
15	QPSK	36	39	22.84	0.192	22.82	0.191	22.73	0.187
15	QPSK	75	0	22.94	0.197	22.77	0.189	22.82	0.191
15	16QAM	1	0	22.73	0.187	22.75	0.188	22.63	0.183
15	16QAM	1	37	22.63	0.183	22.63	0.183	22.87	0.194
15	16QAM	1	74	22.91	0.195	22.52	0.179	22.80	0.191
15	16QAM	36	0	22.90	0.195	22.79	0.190	22.76	0.189
15	16QAM	36	20	22.83	0.192	22.78	0.190	22.79	0.190
15	16QAM	36	39	22.79	0.190	22.70	0.186	22.64	0.184
15	16QAM	75	0	22.89	0.195	22.76	0.189	22.71	0.187