



# TEST REPORT

**APPLICANT** : BLU Products, Inc.

**PRODUCT NAME** : Smart Phone

**MODEL NAME** : G71

**BRAND NAME** : BLU

**FCC ID** : YHLBLUG71

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

**RECEIPT DATE** : 2020-12-11

**TEST DATE** : 2020-12-15 to 2021-02-04

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Peng Huarui (Supervisor)

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Change History		
Version	Date	Reason for change
1.0	2021-02-04	First edition



# 1. Technical Information

**Note:** Provide by applicant.

## 1.1. Applicant and Manufacturer Information

<b>Applicant:</b>	BLU Products, Inc.
<b>Applicant Address:</b>	10814 NW 33rd St # 100 Doral, FL 33172,USA
<b>Manufacturer:</b>	BLU Products, Inc.
<b>Manufacturer Address:</b>	10814 NW 33rd St # 100 Doral, FL 33172,USA

## 1.2. Equipment Under Test (EUT) Description

<b>Product Name:</b>	Smart Phone	
<b>Serial No.:</b>	(N/A, marked #1 by test site)	
<b>Hardware Version:</b>	V1.0	
<b>Software Version:</b>	BLU_G0430WW_V10.0.01.01_GENERIC 27-11-2020 14:31	
<b>Modulation Type:</b>	QPSK, 16QAM, 64QAM	
<b>Carrier Aggregation:</b>	Not support	
<b>Operation Band:</b>	Band 2 / 4 / 5 / 7 / 12 / 17	
<b>Frequency Range:</b>	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 12	Tx: 699MHz - 716MHz
		Rx: 729MHz – 746MHz
	LTE Band 17	Tx: 704MHz - 716MHz
		Rx: 734MHz – 746MHz



<b>Channel Bandwidth:</b>	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 12	1.4MHz, 3 MHz, 5 MHz, 10MHz
	LTE Band 17	5 MHz, 10MHz
<b>Antenna Type:</b>	Fixed Internal Antenna	
<b>Antenna Gain:</b>	LTE Band 2	-2.7dBi
	LTE Band 4	-2.5dBi
	LTE Band 5	-4.5dBi
	LTE Band 7	-0.6dBi
	LTE Band 12	-7.0dBi
	LTE Band 17	-7.0dBi
<b>Accessory Information:</b>	Battery	
	Brand Name:	BLU
	Model No.:	C976447500L
	Serial No.:	(N/A, marked #1 by test site)
	Capacity:	5000mAh
	Rated Voltage:	3.85V
	Charge Limit:	4.40V
	Manufacturer:	Zhongshan TianMao Battery Co., LTD
	AC Adapter	
	Brand Name:	BLU
	Model No.:	US-CR-2000
	Serial No.:	(N/A, marked #1 by test site)
	Rated Output:	5V=2000mA
	Rated Input:	100-240V~50/60Hz, 0.3A
	Manufacturer:	BJD GROUP CO., LIMITED

**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

<b>LTE Band 2</b>		<b>Maximum E.R.P./E.I.R.P. (W)</b>			<b>Emission Designator (99%OBW)</b>		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
20	0.091	0.084	0.060	18M0G7D	18M0W7D	18M0W7D	
15	0.089	0.076	0.059	13M5G7D	13M5W7D	13M5W7D	
10	0.090	0.079	0.057	9M01G7D	8M96W7D	8M99W7D	
5	0.089	0.075	0.058	4M49G7D	4M50W7D	4M49W7D	
3	0.092	0.078	0.060	2M69G7D	2M69W7D	2M70W7D	
1.4	0.090	0.081	0.090	1M09G7D	1M10W7D	1M10W7D	
<b>LTE Band 4</b>		<b>Maximum E.R.P./E.I.R.P. (W)</b>			<b>Emission Designator (99%OBW)</b>		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
20	0.095	0.077	0.061	18M0G7D	18M0W7D	18M0W7D	
15	0.092	0.081	0.061	13M5G7D	13M5W7D	13M5W7D	
10	0.095	0.085	0.061	9M01G7D	8M97W7D	8M97W7D	
5	0.094	0.082	0.060	4M50G7D	4M50W7D	4M50W7D	
3	0.094	0.078	0.063	2M69G7D	2M69W7D	2M70W7D	
1.4	0.094	0.081	0.092	1M10G7D	1M10W7D	1M10W7D	
<b>LTE Band 5</b>		<b>Maximum E.R.P./E.I.R.P. (W)</b>			<b>Emission Designator (99%OBW)</b>		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
10	0.060	0.049	0.039	8M99G7D	8M97W7D	8M98W7D	
5	0.060	0.050	0.039	4M50G7D	4M50W7D	4M50W7D	
3	0.061	0.051	0.039	2M69G7D	2M70W7D	2M70W7D	
1.4	0.060	0.047	0.039	1M10G7D	1M10W7D	1M10W7D	
<b>LTE Band 7</b>		<b>Maximum E.R.P./E.I.R.P. (W)</b>			<b>Emission Designator (99%OBW)</b>		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
20	0.091	0.083	0.077	18M0G7D	18M0W7D	18M0W7D	
15	0.050	0.043	0.039	13M5G7D	13M5W7D	13M5W7D	
10	0.047	0.040	0.042	9M01G7D	8M97W7D	9M00W7D	
5	0.095	0.084	0.079	4M50G7D	4M51W7D	4M50W7D	
<b>LTE Band 12</b>		<b>Maximum E.R.P./E.I.R.P. (W)</b>			<b>Emission Designator (99%OBW)</b>		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
10	0.023	0.019	0.014	9M02G7D	8M99W7D	9M00W7D	
5	0.021	0.018	0.013	4M53G7D	4M52W7D	4M52W7D	
3	0.021	0.018	0.013	2M69G7D	2M69W7D	2M70W7D	
1.4	0.021	0.018	0.014	1M09G7D	1M10W7D	1M10W7D	



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LTE Band 17	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
	BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM
10	0.022	0.018	0.014	9M03G7D	8M99W7D	9M02W7D
5	0.021	0.019	0.014	4M52G7D	4M53W7D	4M51W7D

## 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(c)(10) 27.50(d)(4) 27.50(h)(2)	Transmitter Conducted Output Power and E.R.P./E.I.R.P.	Feb 04, 2021	Chen Hao Peng Xuewei	PASS	No deviation
2.1049	Occupied Bandwidth	Dec 18, 2020	Zhou Xiaolong	PASS	No deviation
2.1055 22.355 24.235 27.54	Frequency Stability	Jan 29, 2021	Zhou Xiaolong	PASS	No deviation
24.232(d), 27.50(d)(5)	Peak to Average Radio	Dec 18, 2020	Zhou Xiaolong	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(g) 27.53(h) 27.53(m)(4)	Conducted Spurious Emissions	Dec 18&23, 2020	Zhou Xiaolong	PASS	No deviation
2.1051 22.917(a) 24.238(a)	Band Edge	Dec 21&22, 2020	Zhou Xiaolong	PASS	No deviation

27.53(g) 27.53(h) 27.53(m)(4)					
2.1051 22.917(a) 24.238(a) 27.53(g) 27.53(h) 27.53(m)(4)	Radiated Spurious Emissions	Dec 15&16&17, 2020	Peng Xuewei	PASS	No deviation

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

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

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

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

## 1.5. Environmental Conditions

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

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



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

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

#### 2.1.1. Requirement

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

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

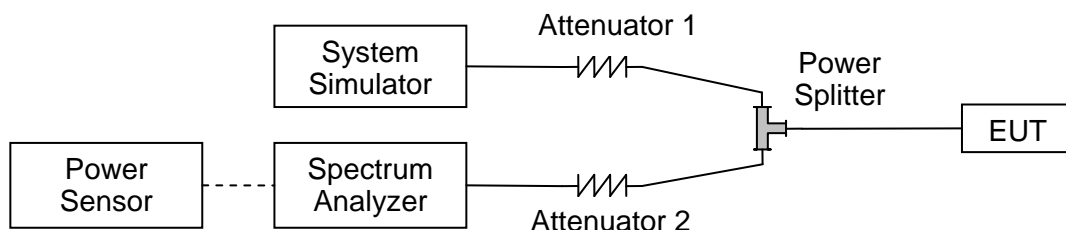
According to FCC section 27.50 (d)(4) for LTE Band 4, Fixed, mobile and portable (hand-held) stations in the 1710-1755MHz band are limited to 1wat E.I.R.P.

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

According to FCC section 27.50 (h)(2) for LTE Band 7, 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.

#### 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:**

<b>LTE Band 2</b>						
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	22.14	22.12	22.03
20	QPSK	1	49	22.30	22.28	22.24
20	QPSK	1	99	22.11	22.22	22.09
20	QPSK	50	0	21.62	21.58	21.53
20	QPSK	50	24	21.57	21.49	21.53
20	QPSK	50	50	21.56	21.51	21.41
20	QPSK	100	0	21.36	21.39	21.28
20	16QAM	1	0	21.60	21.54	21.57
20	16QAM	1	49	21.94	21.57	21.67
20	16QAM	1	99	21.57	21.54	21.56
20	16QAM	50	0	20.39	20.39	20.46
20	16QAM	50	24	20.43	20.41	20.38
20	16QAM	50	50	20.35	20.31	20.22
20	16QAM	100	0	20.39	20.37	20.30
20	64QAM	1	0	20.33	20.39	20.31
20	64QAM	1	49	20.41	20.47	20.49
20	64QAM	1	99	20.43	20.37	20.42
20	64QAM	50	0	20.35	20.37	20.41
20	64QAM	50	24	20.44	20.29	20.39
20	64QAM	50	50	20.33	20.33	20.25
20	64QAM	100	0	20.41	20.31	20.25



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	22.15	22.02	22.02
15	QPSK	1	37	22.07	22.19	22.16
15	QPSK	1	74	22.08	22.06	22.02
15	QPSK	36	0	21.12	21.19	21.16
15	QPSK	36	20	21.10	21.07	21.02
15	QPSK	36	39	21.16	21.03	20.90
15	QPSK	75	0	21.11	21.07	21.06
15	16QAM	1	0	21.23	21.35	21.17
15	16QAM	1	37	21.53	21.48	21.37
15	16QAM	1	74	21.27	21.27	21.34
15	16QAM	36	0	20.14	20.29	20.10
15	16QAM	36	20	20.23	20.12	20.12
15	16QAM	36	39	20.14	20.04	19.94
15	16QAM	75	0	20.18	20.05	20.12
15	64QAM	1	0	20.09	20.10	20.28
15	64QAM	1	37	20.17	20.27	20.03
15	64QAM	1	74	20.38	20.02	20.12
15	64QAM	36	0	20.20	20.17	20.13
15	64QAM	36	20	20.07	20.11	20.16
15	64QAM	36	39	20.03	20.09	20.07
15	64QAM	75	0	20.20	20.15	20.09



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	22.17	22.17	22.19
10	QPSK	1	25	22.22	22.16	22.11
10	QPSK	1	49	22.11	21.93	22.01
10	QPSK	25	0	21.22	21.11	21.17
10	QPSK	25	12	21.30	21.20	21.15
10	QPSK	25	25	21.21	21.13	21.09
10	QPSK	50	0	21.30	21.20	20.98
10	16QAM	1	0	21.22	21.28	21.24
10	16QAM	1	25	21.67	21.65	21.28
10	16QAM	1	49	21.61	21.27	21.25
10	16QAM	25	0	20.24	20.11	20.19
10	16QAM	25	12	20.27	20.24	20.07
10	16QAM	25	25	20.28	20.16	20.15
10	16QAM	50	0	20.26	20.22	20.08
10	64QAM	1	0	20.22	20.29	20.26
10	64QAM	1	25	20.21	20.28	20.16
10	64QAM	1	49	20.18	20.12	20.14
10	64QAM	25	0	20.20	20.12	20.13
10	64QAM	25	12	20.18	20.13	20.19
10	64QAM	25	25	20.28	20.12	20.13
10	64QAM	50	0	20.24	20.26	20.09



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	22.08	21.98	21.98
5	QPSK	1	12	22.16	22.19	22.14
5	QPSK	1	24	22.08	22.00	21.92
5	QPSK	12	0	21.14	21.15	21.12
5	QPSK	12	7	21.26	21.19	21.13
5	QPSK	12	13	21.16	21.09	21.12
5	QPSK	25	0	21.22	21.18	21.17
5	16QAM	1	0	21.28	21.08	21.42
5	16QAM	1	12	21.32	21.43	21.34
5	16QAM	1	24	21.24	20.99	21.39
5	16QAM	12	0	20.21	20.13	20.15
5	16QAM	12	7	20.20	20.27	20.12
5	16QAM	12	13	20.18	20.09	20.07
5	16QAM	25	0	20.19	20.16	20.05
5	64QAM	1	0	20.11	20.14	20.34
5	64QAM	1	12	20.19	20.28	20.31
5	64QAM	1	24	20.11	20.10	20.14
5	64QAM	12	0	20.15	20.10	20.10
5	64QAM	12	7	20.30	20.17	20.16
5	64QAM	12	13	20.13	20.03	20.16
5	64QAM	25	0	20.14	20.12	20.18



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	22.31	22.14	22.11
3	QPSK	1	8	22.30	22.09	22.22
3	QPSK	1	14	22.33	22.12	22.10
3	QPSK	8	0	21.23	21.31	21.18
3	QPSK	8	4	21.22	21.22	21.13
3	QPSK	8	7	21.22	21.17	21.19
3	QPSK	15	0	21.24	21.25	21.27
3	16QAM	1	0	21.49	21.25	21.55
3	16QAM	1	8	21.35	21.35	21.62
3	16QAM	1	14	21.16	21.25	21.63
3	16QAM	8	0	20.28	20.40	20.33
3	16QAM	8	4	20.42	20.31	20.32
3	16QAM	8	7	20.42	20.36	20.22
3	16QAM	15	0	20.18	20.40	20.02
3	64QAM	1	0	20.33	20.03	20.22
3	64QAM	1	8	20.40	20.23	20.06
3	64QAM	1	14	20.36	20.15	20.21
3	64QAM	8	0	20.40	20.16	20.32
3	64QAM	8	4	20.34	20.47	20.26
3	64QAM	8	7	20.43	20.19	20.22
3	64QAM	15	0	20.23	20.13	20.19



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				18607	18900	19193
Frequency (MHz)				1850.7	1880	1909.3
1.4	QPSK	1	0	22.23	22.07	22.13
1.4	QPSK	1	3	21.99	22.10	22.16
1.4	QPSK	1	5	22.08	22.07	21.95
1.4	QPSK	3	0	22.10	22.22	22.13
1.4	QPSK	3	1	21.97	22.18	22.18
1.4	QPSK	3	3	22.00	22.21	22.22
1.4	QPSK	6	0	21.23	21.26	21.11
1.4	16QAM	1	0	21.52	21.43	21.41
1.4	16QAM	1	3	21.76	21.57	21.37
1.4	16QAM	1	5	21.53	21.32	21.46
1.4	16QAM	3	0	21.18	21.29	21.46
1.4	16QAM	3	1	21.46	21.32	21.22
1.4	16QAM	3	3	21.39	21.14	21.30
1.4	16QAM	6	0	20.57	20.43	20.20
1.4	64QAM	1	0	20.12	20.16	19.96
1.4	64QAM	1	3	20.34	20.30	20.06
1.4	64QAM	1	5	20.27	20.41	19.98
1.4	64QAM	3	0	20.24	20.34	20.05
1.4	64QAM	3	1	20.29	20.31	20.10
1.4	64QAM	3	3	20.26	20.27	20.01
1.4	64QAM	6	0	22.23	22.07	22.13





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				20050	20175	20300
Frequency (MHz)				1720	1732.5	1745
20	QPSK	1	0	22.07	22.03	22.11
20	QPSK	1	49	22.24	22.28	22.16
20	QPSK	1	99	21.79	21.83	21.89
20	QPSK	50	0	21.25	21.31	21.26
20	QPSK	50	24	21.20	21.13	21.17
20	QPSK	50	50	21.26	21.06	21.12
20	QPSK	100	0	21.22	21.05	21.24
20	16QAM	1	0	21.19	21.23	21.11
20	16QAM	1	49	21.18	21.14	21.37
20	16QAM	1	99	21.01	20.89	21.02
20	16QAM	50	0	20.20	20.35	20.38
20	16QAM	50	24	20.17	20.15	20.33
20	16QAM	50	50	20.20	20.12	20.06
20	16QAM	100	0	20.26	20.16	20.22
20	64QAM	1	0	20.12	20.14	20.15
20	64QAM	1	49	20.28	20.19	20.10
20	64QAM	1	99	20.10	20.09	20.20
20	64QAM	50	0	20.15	20.22	20.32
20	64QAM	50	24	20.18	20.20	20.28
20	64QAM	50	50	20.23	20.07	20.18
20	64QAM	100	0	20.24	20.19	20.22



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				20025	20175	20325
Frequency (MHz)				1717.5	1732.5	1747.5
15	QPSK	1	0	22.05	22.14	22.10
15	QPSK	1	37	22.11	22.10	22.18
15	QPSK	1	74	21.94	21.97	22.11
15	QPSK	36	0	21.25	21.17	21.22
15	QPSK	36	20	21.17	21.17	21.18
15	QPSK	36	39	21.22	21.10	21.12
15	QPSK	75	0	21.15	21.12	21.15
15	16QAM	1	0	21.60	21.27	21.32
15	16QAM	1	37	21.36	21.27	21.10
15	16QAM	1	74	21.22	21.42	21.19
15	16QAM	36	0	20.17	20.24	20.21
15	16QAM	36	20	20.20	20.19	20.14
15	16QAM	36	39	20.11	20.06	20.12
15	16QAM	75	0	20.14	20.13	20.22
15	64QAM	1	0	20.11	20.20	20.19
15	64QAM	1	37	20.19	20.11	20.12
15	64QAM	1	74	20.37	20.11	20.04
15	64QAM	36	0	20.26	20.12	20.13
15	64QAM	36	20	20.22	20.12	20.25
15	64QAM	36	39	20.13	20.13	20.18
15	64QAM	75	0	20.27	20.15	20.20



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				20000	20175	20350
Frequency (MHz)				1715	1732.5	1750
10	QPSK	1	0	22.12	22.18	22.21
10	QPSK	1	25	22.27	22.24	22.19
10	QPSK	1	49	22.27	22.00	22.03
10	QPSK	25	0	21.30	21.27	21.27
10	QPSK	25	12	21.31	21.25	21.26
10	QPSK	25	25	21.32	21.10	21.21
10	QPSK	50	0	21.37	21.20	21.25
10	16QAM	1	0	21.44	21.78	21.39
10	16QAM	1	25	21.53	21.41	21.37
10	16QAM	1	49	21.29	21.66	21.62
10	16QAM	25	0	20.28	20.41	20.37
10	16QAM	25	12	20.28	20.37	20.41
10	16QAM	25	25	20.32	20.12	20.33
10	16QAM	50	0	20.25	20.17	20.25
10	64QAM	1	0	20.17	20.19	20.16
10	64QAM	1	25	20.15	20.20	20.24
10	64QAM	1	49	20.26	20.17	20.17
10	64QAM	25	0	20.29	20.14	20.23
10	64QAM	25	12	20.27	20.35	20.27
10	64QAM	25	25	20.24	20.14	20.35
10	64QAM	50	0	20.28	20.14	20.27



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19975	20175	20375
Frequency (MHz)				1712.5	1732.5	1752.5
5	QPSK	1	0	21.99	22.02	22.07
5	QPSK	1	12	22.11	22.13	22.23
5	QPSK	1	24	21.95	21.98	22.09
5	QPSK	12	0	21.14	21.16	21.20
5	QPSK	12	7	21.25	21.25	21.19
5	QPSK	12	13	21.22	21.05	21.15
5	QPSK	25	0	21.38	21.35	21.36
5	16QAM	1	0	21.37	21.63	21.29
5	16QAM	1	12	21.49	21.41	21.55
5	16QAM	1	24	21.40	21.62	21.38
5	16QAM	12	0	20.22	20.26	20.25
5	16QAM	12	7	20.20	20.27	20.31
5	16QAM	12	13	20.17	20.09	20.23
5	16QAM	25	0	20.24	20.15	20.14
5	64QAM	1	0	20.18	20.14	20.26
5	64QAM	1	12	20.16	20.15	20.15
5	64QAM	1	24	20.26	20.26	20.11
5	64QAM	12	0	20.24	20.05	20.23
5	64QAM	12	7	20.18	20.19	20.17
5	64QAM	12	13	20.24	20.10	20.01
5	64QAM	25	0	20.23	20.19	20.16



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	22.13	22.18	22.25
3	QPSK	1	8	22.22	22.14	22.10
3	QPSK	1	14	22.15	22.19	22.10
3	QPSK	8	0	21.31	21.15	21.17
3	QPSK	8	4	21.36	21.18	21.29
3	QPSK	8	7	21.35	21.15	21.21
3	QPSK	15	0	21.32	21.24	21.13
3	16QAM	1	0	21.44	21.30	21.26
3	16QAM	1	8	21.17	21.19	21.27
3	16QAM	1	14	21.28	21.29	21.35
3	16QAM	8	0	20.31	20.30	20.34
3	16QAM	8	4	20.34	20.41	20.31
3	16QAM	8	7	20.27	20.20	20.35
3	16QAM	15	0	20.23	20.20	20.22
3	64QAM	1	0	20.19	20.34	20.17
3	64QAM	1	8	20.37	20.29	20.10
3	64QAM	1	14	20.28	20.17	20.09
3	64QAM	8	0	20.35	20.30	20.22
3	64QAM	8	4	20.35	20.26	20.16
3	64QAM	8	7	20.50	20.49	20.23
3	64QAM	15	0	20.21	20.25	20.23



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	22.15	22.08	22.04
1.4	QPSK	1	3	22.06	22.19	22.12
1.4	QPSK	1	5	22.14	22.03	22.04
1.4	QPSK	3	0	22.22	22.24	22.08
1.4	QPSK	3	1	22.13	22.25	22.18
1.4	QPSK	3	3	22.20	22.18	22.12
1.4	QPSK	6	0	21.35	21.25	21.24
1.4	16QAM	1	0	21.39	21.32	21.29
1.4	16QAM	1	3	21.56	21.44	21.41
1.4	16QAM	1	5	21.45	21.23	21.25
1.4	16QAM	3	0	21.37	21.32	21.26
1.4	16QAM	3	1	21.26	21.20	21.40
1.4	16QAM	3	3	21.37	21.31	21.34
1.4	16QAM	6	0	20.43	20.32	20.35
1.4	64QAM	1	0	20.35	20.31	20.03
1.4	64QAM	1	3	20.49	20.48	20.05
1.4	64QAM	1	5	20.22	20.26	20.00
1.4	64QAM	3	0	20.28	20.11	19.96
1.4	64QAM	3	1	20.28	20.04	20.15
1.4	64QAM	3	3	20.34	20.12	19.96
1.4	64QAM	6	0	22.15	22.08	22.04



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20450	20525	20600
Frequency (MHz)				829	836.5	844
10	QPSK	1	0	22.49	22.49	22.42
10	QPSK	1	25	22.56	22.55	22.53
10	QPSK	1	49	22.41	22.45	22.30
10	QPSK	25	0	21.59	21.48	21.51
10	QPSK	25	12	21.58	21.49	21.50
10	QPSK	25	25	21.53	21.50	21.48
10	QPSK	50	0	21.44	21.49	21.50
10	16QAM	1	0	21.52	21.64	21.69
10	16QAM	1	25	21.54	21.49	21.54
10	16QAM	1	49	21.46	21.53	21.47
10	16QAM	25	0	20.48	20.56	20.50
10	16QAM	25	12	20.49	20.53	20.51
10	16QAM	25	25	20.54	20.61	20.61
10	16QAM	50	0	20.51	20.69	20.68
10	64QAM	1	0	20.33	20.39	20.13
10	64QAM	1	25	20.23	20.33	20.42
10	64QAM	1	49	20.13	20.38	20.29
10	64QAM	25	0	20.57	20.39	20.47
10	64QAM	25	12	20.69	20.54	20.53
10	64QAM	25	25	20.57	20.52	20.53
10	64QAM	50	0	20.48	20.59	20.56



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	22.26	22.31	22.33
5	QPSK	1	12	22.48	22.33	22.52
5	QPSK	1	24	22.41	22.24	22.36
5	QPSK	12	0	21.44	21.47	21.45
5	QPSK	12	7	21.48	21.57	21.50
5	QPSK	12	13	21.47	21.50	21.39
5	QPSK	25	0	21.38	21.42	21.47
5	16QAM	1	0	21.48	21.45	21.42
5	16QAM	1	12	21.38	21.43	21.39
5	16QAM	1	24	21.21	21.51	21.70
5	16QAM	12	0	20.53	20.50	20.52
5	16QAM	12	7	20.49	20.61	20.51
5	16QAM	12	13	20.54	20.51	20.44
5	16QAM	25	0	20.43	20.64	20.50
5	64QAM	1	0	20.52	20.43	20.22
5	64QAM	1	12	20.58	20.44	20.41
5	64QAM	1	24	20.42	20.55	20.42
5	64QAM	12	0	20.36	20.56	20.48
5	64QAM	12	7	20.41	20.58	20.53
5	64QAM	12	13	20.52	20.48	20.57
5	64QAM	25	0	20.65	20.60	20.50





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	22.58	22.49	22.40
3	QPSK	1	8	22.53	22.49	22.42
3	QPSK	1	14	22.50	22.52	22.39
3	QPSK	8	0	21.51	21.47	21.56
3	QPSK	8	4	21.57	21.56	21.55
3	QPSK	8	7	21.51	21.48	21.46
3	QPSK	15	0	21.59	21.55	21.43
3	16QAM	1	0	21.77	21.50	21.54
3	16QAM	1	8	21.80	21.53	21.55
3	16QAM	1	14	21.77	21.48	21.60
3	16QAM	8	0	20.61	20.58	20.70
3	16QAM	8	4	20.72	20.65	20.49
3	16QAM	8	7	20.75	20.53	20.69
3	16QAM	15	0	20.55	20.53	20.58
3	64QAM	1	0	20.47	20.48	20.50
3	64QAM	1	8	20.59	20.53	20.57
3	64QAM	1	14	20.55	20.46	20.27
3	64QAM	8	0	20.52	20.50	20.49
3	64QAM	8	4	20.63	20.63	20.69
3	64QAM	8	7	20.56	20.55	20.56
3	64QAM	15	0	20.53	20.49	20.52



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				20407	20525	20643
Frequency (MHz)				824.7	836.5	848.3
1.4	QPSK	1	0	22.29	22.28	22.24
1.4	QPSK	1	3	22.48	22.37	22.38
1.4	QPSK	1	5	22.38	22.36	22.23
1.4	QPSK	3	0	22.42	22.45	22.39
1.4	QPSK	3	1	22.53	22.39	22.51
1.4	QPSK	3	3	22.55	22.46	22.36
1.4	QPSK	6	0	21.42	21.48	21.41
1.4	16QAM	1	0	21.39	21.12	21.38
1.4	16QAM	1	3	21.49	21.49	21.49
1.4	16QAM	1	5	21.29	21.38	21.48
1.4	16QAM	3	0	21.23	21.07	21.35
1.4	16QAM	3	1	21.38	21.48	21.48
1.4	16QAM	3	3	21.44	21.52	21.36
1.4	16QAM	6	0	20.63	20.75	20.70
1.4	64QAM	1	0	20.23	20.66	20.53
1.4	64QAM	1	3	20.33	20.71	20.27
1.4	64QAM	1	5	20.25	20.61	20.53
1.4	64QAM	3	0	20.19	20.30	20.21
1.4	64QAM	3	1	20.22	20.22	20.21
1.4	64QAM	3	3	20.11	20.20	20.14
1.4	64QAM	6	0	20.49	20.45	20.47



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	19.74	19.76	19.85
20	QPSK	1	49	20.05	20.21	20.21
20	QPSK	1	99	19.85	19.91	19.91
20	QPSK	50	0	19.06	19.13	19.27
20	QPSK	50	24	19.10	19.18	19.21
20	QPSK	50	50	19.20	19.31	19.26
20	QPSK	100	0	19.10	19.22	19.25
20	16QAM	1	0	19.03	19.16	19.17
20	16QAM	1	49	19.79	19.61	19.62
20	16QAM	1	99	19.41	19.61	19.05
20	16QAM	50	0	18.16	18.11	18.40
20	16QAM	50	24	18.13	18.27	18.26
20	16QAM	50	50	18.21	18.30	18.33
20	16QAM	100	0	18.21	18.22	18.30
20	64QAM	1	0	18.71	18.74	18.93
20	64QAM	1	49	19.36	19.45	19.17
20	64QAM	1	99	19.12	19.12	19.06
20	64QAM	50	0	18.11	18.20	18.27
20	64QAM	50	24	18.08	18.32	18.30
20	64QAM	50	50	18.20	18.38	18.22
20	64QAM	100	0	18.17	18.31	18.24



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	17.42	16.78	16.32
15	QPSK	1	37	17.57	16.90	16.61
15	QPSK	1	74	17.00	16.66	16.42
15	QPSK	36	0	16.19	15.90	15.71
15	QPSK	36	20	16.33	15.93	15.64
15	QPSK	36	39	16.18	15.94	15.56
15	QPSK	75	0	16.21	15.86	15.71
15	16QAM	1	0	16.97	16.13	16.08
15	16QAM	1	37	16.78	16.65	15.98
15	16QAM	1	74	16.30	15.64	15.63
15	16QAM	36	0	15.16	14.87	14.64
15	16QAM	36	20	15.27	14.87	14.60
15	16QAM	36	39	15.31	15.04	14.51
15	16QAM	75	0	15.29	14.95	14.73
15	64QAM	1	0	16.49	16.12	15.75
15	64QAM	1	37	16.44	16.03	15.76
15	64QAM	1	74	16.55	16.54	15.59
15	64QAM	36	0	15.26	14.86	14.75
15	64QAM	36	20	15.25	14.81	14.62
15	64QAM	36	39	15.27	14.95	14.56
15	64QAM	75	0	15.27	15.12	14.80



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	17.27	16.64	16.34
10	QPSK	1	25	17.33	16.97	16.50
10	QPSK	1	49	17.11	16.70	16.37
10	QPSK	25	0	16.09	15.88	15.70
10	QPSK	25	12	16.36	15.78	15.55
10	QPSK	25	25	16.40	15.84	15.61
10	QPSK	50	0	16.27	15.75	15.61
10	16QAM	1	0	16.63	15.97	15.52
10	16QAM	1	25	16.58	16.53	16.24
10	16QAM	1	49	16.23	16.01	15.73
10	16QAM	25	0	15.16	14.85	14.67
10	16QAM	25	12	15.28	14.87	14.55
10	16QAM	25	25	15.32	14.94	14.63
10	16QAM	50	0	15.23	15.00	14.65
10	64QAM	1	0	16.83	15.74	15.40
10	64QAM	1	25	16.40	16.27	15.91
10	64QAM	1	49	16.31	16.30	15.41
10	64QAM	25	0	15.12	14.83	14.58
10	64QAM	25	12	15.41	14.86	14.47
10	64QAM	25	25	15.49	14.91	14.46
10	64QAM	50	0	15.21	14.87	14.69



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	19.99	19.99	20.24
5	QPSK	1	12	20.19	20.36	20.30
5	QPSK	1	24	19.81	19.97	19.98
5	QPSK	12	0	19.01	19.15	19.29
5	QPSK	12	7	19.12	19.30	19.35
5	QPSK	12	13	19.15	19.16	19.25
5	QPSK	25	0	19.09	19.20	19.28
5	16QAM	1	0	19.58	19.65	19.82
5	16QAM	1	12	19.84	19.64	20.18
5	16QAM	1	24	19.25	19.30	19.84
5	16QAM	12	0	18.03	18.21	18.30
5	16QAM	12	7	18.19	18.38	18.29
5	16QAM	12	13	18.23	18.22	18.26
5	16QAM	25	0	18.13	18.22	18.25
5	64QAM	1	0	19.16	18.94	19.36
5	64QAM	1	12	19.08	19.59	19.49
5	64QAM	1	24	19.11	19.31	19.33
5	64QAM	12	0	18.18	18.26	18.34
5	64QAM	12	7	18.13	18.20	18.35
5	64QAM	12	13	18.02	18.16	18.35
5	64QAM	25	0	18.13	18.26	18.26



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	22.46	22.47	22.42
10	QPSK	1	25	22.63	22.58	22.68
10	QPSK	1	49	22.46	22.43	22.54
10	QPSK	25	0	21.49	21.45	21.61
10	QPSK	25	12	21.58	21.46	21.55
10	QPSK	25	25	21.57	21.46	21.57
10	QPSK	50	0	21.53	21.48	21.49
10	16QAM	1	0	21.56	21.90	21.91
10	16QAM	1	25	21.73	21.68	21.82
10	16QAM	1	49	21.60	21.92	21.67
10	16QAM	25	0	20.57	20.50	20.63
10	16QAM	25	12	20.63	20.49	20.57
10	16QAM	25	25	20.46	20.53	20.58
10	16QAM	50	0	20.56	20.47	20.52
10	64QAM	1	0	20.53	20.57	20.50
10	64QAM	1	25	20.55	20.41	20.42
10	64QAM	1	49	20.42	20.42	20.51
10	64QAM	25	0	20.55	20.41	20.59
10	64QAM	25	12	20.52	20.54	20.42
10	64QAM	25	25	20.51	20.59	20.51
10	64QAM	50	0	20.47	20.47	20.48



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	22.19	22.23	22.19
5	QPSK	1	12	22.33	22.38	22.45
5	QPSK	1	24	22.24	22.24	22.14
5	QPSK	12	0	21.28	21.21	21.25
5	QPSK	12	7	21.32	21.35	21.24
5	QPSK	12	13	21.33	21.26	21.36
5	QPSK	25	0	21.35	21.29	21.31
5	16QAM	1	0	21.42	21.37	21.62
5	16QAM	1	12	21.49	21.39	21.39
5	16QAM	1	24	21.65	21.60	21.36
5	16QAM	12	0	20.33	20.28	20.20
5	16QAM	12	7	20.24	20.26	20.30
5	16QAM	12	13	20.31	20.21	20.22
5	16QAM	25	0	20.36	20.26	20.17
5	64QAM	1	0	20.25	20.21	20.21
5	64QAM	1	12	20.15	20.32	20.15
5	64QAM	1	24	20.31	20.21	20.34
5	64QAM	12	0	20.20	20.19	20.25
5	64QAM	12	7	20.28	20.31	20.33
5	64QAM	12	13	20.21	20.24	20.33
5	64QAM	25	0	20.28	20.16	20.26





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	22.26	22.10	22.17
3	QPSK	1	8	22.21	22.16	22.16
3	QPSK	1	14	22.29	22.25	22.17
3	QPSK	8	0	21.24	21.27	21.28
3	QPSK	8	4	21.35	21.33	21.26
3	QPSK	8	7	21.24	21.26	21.20
3	QPSK	15	0	21.21	21.20	21.21
3	16QAM	1	0	21.53	21.77	21.30
3	16QAM	1	8	21.75	21.69	21.29
3	16QAM	1	14	21.77	21.43	21.39
3	16QAM	8	0	20.27	20.26	20.30
3	16QAM	8	4	20.34	20.32	20.35
3	16QAM	8	7	20.35	20.26	20.47
3	16QAM	15	0	20.30	20.30	20.21
3	64QAM	1	0	20.36	20.16	20.30
3	64QAM	1	8	20.27	20.31	20.17
3	64QAM	1	14	20.26	20.28	20.28
3	64QAM	8	0	20.09	20.20	20.17
3	64QAM	8	4	20.21	20.17	20.33
3	64QAM	8	7	20.07	20.25	20.28
3	64QAM	15	0	20.20	20.17	20.12



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	22.17	22.25	22.16
1.4	QPSK	1	3	22.26	22.23	22.43
1.4	QPSK	1	5	22.13	22.18	22.22
1.4	QPSK	3	0	22.36	22.34	22.30
1.4	QPSK	3	1	22.32	22.40	22.29
1.4	QPSK	3	3	22.33	22.23	22.22
1.4	QPSK	6	0	21.30	21.25	21.28
1.4	16QAM	1	0	21.28	21.62	21.52
1.4	16QAM	1	3	21.39	21.49	21.38
1.4	16QAM	1	5	21.19	21.64	21.55
1.4	16QAM	3	0	21.07	21.14	21.24
1.4	16QAM	3	1	21.19	21.15	21.38
1.4	16QAM	3	3	21.16	21.29	21.22
1.4	16QAM	6	0	20.37	20.38	20.41
1.4	64QAM	1	0	20.28	20.14	20.40
1.4	64QAM	1	3	20.09	20.27	20.35
1.4	64QAM	1	5	19.99	20.17	20.19
1.4	64QAM	3	0	20.23	20.19	20.05
1.4	64QAM	3	1	20.26	20.27	20.49
1.4	64QAM	3	3	20.17	20.27	20.09
1.4	64QAM	6	0	20.47	20.26	20.25



LTE Band 17						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23780	23790	23800
Frequency (MHz)				709	710	711
10	QPSK	1	0	22.34	22.51	22.44
10	QPSK	1	25	22.41	22.44	22.52
10	QPSK	1	49	22.25	22.49	22.28
10	QPSK	25	0	21.63	21.74	21.77
10	QPSK	25	12	21.67	21.73	21.65
10	QPSK	25	25	21.70	21.65	21.68
10	QPSK	50	0	21.63	21.69	21.55
10	16QAM	1	0	21.45	21.57	21.65
10	16QAM	1	25	21.55	21.40	21.46
10	16QAM	1	49	21.56	21.65	21.51
10	16QAM	25	0	20.76	20.79	20.64
10	16QAM	25	12	20.61	20.79	20.62
10	16QAM	25	25	20.65	20.67	20.61
10	16QAM	50	0	20.67	20.66	20.68
10	64QAM	1	0	20.58	20.65	20.38
10	64QAM	1	25	20.45	20.45	20.43
10	64QAM	1	49	20.38	20.25	20.38
10	64QAM	25	0	20.45	20.39	20.45
10	64QAM	25	12	20.73	20.61	20.67
10	64QAM	25	25	20.62	20.72	20.68
10	64QAM	50	0	20.59	20.67	20.71



LTE Band 17						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23755	23790	23825
Frequency (MHz)				706.5	710	713.5
5	QPSK	1	0	22.31	22.22	22.28
5	QPSK	1	12	22.31	22.28	22.34
5	QPSK	1	24	22.19	22.28	22.29
5	QPSK	12	0	21.59	21.60	21.53
5	QPSK	12	7	21.69	21.61	21.63
5	QPSK	12	13	21.49	21.59	21.61
5	QPSK	25	0	21.62	21.65	21.60
5	16QAM	1	0	21.59	21.54	21.86
5	16QAM	1	12	21.93	21.58	21.69
5	16QAM	1	24	21.66	21.56	21.49
5	16QAM	12	0	20.50	20.44	20.60
5	16QAM	12	7	20.56	20.59	20.66
5	16QAM	12	13	20.65	20.53	20.59
5	16QAM	25	0	20.59	20.59	20.67
5	64QAM	1	0	20.37	20.45	20.58
5	64QAM	1	12	20.36	20.69	20.69
5	64QAM	1	24	20.55	20.73	20.63
5	64QAM	12	0	20.57	20.60	20.56
5	64QAM	12	7	20.72	20.60	20.54
5	64QAM	12	13	20.51	20.43	20.47
5	64QAM	25	0	20.50	20.50	20.55



**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	19.44	0.088	19.42	0.087	19.33	0.086
20	QPSK	1	49	19.60	0.091	19.58	0.091	19.54	0.090
20	QPSK	1	99	19.41	0.087	19.52	0.090	19.39	0.087
20	QPSK	50	0	18.92	0.078	18.88	0.077	18.83	0.076
20	QPSK	50	24	18.87	0.077	18.79	0.076	18.83	0.076
20	QPSK	50	50	18.86	0.077	18.81	0.076	18.71	0.074
20	QPSK	100	0	18.66	0.073	18.69	0.074	18.58	0.072
20	16QAM	1	0	18.90	0.078	18.84	0.077	18.87	0.077
20	16QAM	1	49	19.24	0.084	18.87	0.077	18.97	0.079
20	16QAM	1	99	18.87	0.077	18.84	0.077	18.86	0.077
20	16QAM	50	0	17.69	0.059	17.69	0.059	17.76	0.060
20	16QAM	50	24	17.73	0.059	17.71	0.059	17.68	0.059
20	16QAM	50	50	17.65	0.058	17.61	0.058	17.52	0.056
20	16QAM	100	0	17.69	0.059	17.67	0.058	17.60	0.058
20	64QAM	1	0	17.63	0.058	17.69	0.059	17.61	0.058
20	64QAM	1	49	17.71	0.059	17.77	0.060	17.79	0.060
20	64QAM	1	99	17.73	0.059	17.67	0.058	17.72	0.059
20	64QAM	50	0	17.65	0.058	17.67	0.058	17.71	0.059
20	64QAM	50	24	17.74	0.059	17.59	0.057	17.69	0.059
20	64QAM	50	50	17.63	0.058	17.63	0.058	17.55	0.057
20	64QAM	100	0	17.71	0.059	17.61	0.058	17.55	0.057



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	19.45	0.088	19.32	0.086	19.32	0.086
15	QPSK	1	37	19.37	0.086	19.49	0.089	19.46	0.088
15	QPSK	1	74	19.38	0.087	19.36	0.086	19.32	0.086
15	QPSK	36	0	18.42	0.070	18.49	0.071	18.46	0.070
15	QPSK	36	20	18.40	0.069	18.37	0.069	18.32	0.068
15	QPSK	36	39	18.46	0.070	18.33	0.068	18.20	0.066
15	QPSK	75	0	18.41	0.069	18.37	0.069	18.36	0.069
15	16QAM	1	0	18.53	0.071	18.65	0.073	18.47	0.070
15	16QAM	1	37	18.83	0.076	18.78	0.076	18.67	0.074
15	16QAM	1	74	18.57	0.072	18.57	0.072	18.64	0.073
15	16QAM	36	0	17.44	0.055	17.59	0.057	17.40	0.055
15	16QAM	36	20	17.53	0.057	17.42	0.055	17.42	0.055
15	16QAM	36	39	17.44	0.055	17.34	0.054	17.24	0.053
15	16QAM	75	0	17.48	0.056	17.35	0.054	17.42	0.055
15	64QAM	1	0	17.39	0.055	17.40	0.055	17.58	0.057
15	64QAM	1	37	17.47	0.056	17.57	0.057	17.33	0.054
15	64QAM	1	74	17.68	0.059	17.32	0.054	17.42	0.055
15	64QAM	36	0	17.50	0.056	17.47	0.056	17.43	0.055
15	64QAM	36	20	17.37	0.055	17.41	0.055	17.46	0.056
15	64QAM	36	39	17.33	0.054	17.39	0.055	17.37	0.055
15	64QAM	75	0	17.50	0.056	17.45	0.056	17.39	0.055



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	19.47	0.089	19.47	0.089	19.49	0.089
10	QPSK	1	25	19.52	0.090	19.46	0.088	19.41	0.087
10	QPSK	1	49	19.41	0.087	19.23	0.084	19.31	0.085
10	QPSK	25	0	18.52	0.071	18.41	0.069	18.47	0.070
10	QPSK	25	12	18.60	0.072	18.50	0.071	18.45	0.070
10	QPSK	25	25	18.51	0.071	18.43	0.070	18.39	0.069
10	QPSK	50	0	18.60	0.072	18.50	0.071	18.28	0.067
10	16QAM	1	0	18.52	0.071	18.58	0.072	18.54	0.071
10	16QAM	1	25	18.97	0.079	18.95	0.079	18.58	0.072
10	16QAM	1	49	18.91	0.078	18.57	0.072	18.55	0.072
10	16QAM	25	0	17.54	0.057	17.41	0.055	17.49	0.056
10	16QAM	25	12	17.57	0.057	17.54	0.057	17.37	0.055
10	16QAM	25	25	17.58	0.057	17.46	0.056	17.45	0.056
10	16QAM	50	0	17.56	0.057	17.52	0.056	17.38	0.055
10	64QAM	1	0	17.52	0.056	17.59	0.057	17.56	0.057
10	64QAM	1	25	17.51	0.056	17.58	0.057	17.46	0.056
10	64QAM	1	49	17.48	0.056	17.42	0.055	17.44	0.055
10	64QAM	25	0	17.50	0.056	17.42	0.055	17.43	0.055
10	64QAM	25	12	17.48	0.056	17.43	0.055	17.49	0.056
10	64QAM	25	25	17.58	0.057	17.42	0.055	17.43	0.055
10	64QAM	50	0	17.54	0.057	17.56	0.057	17.39	0.055



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	19.38	0.087	19.28	0.085	19.28	0.085
5	QPSK	1	12	19.46	0.088	19.49	0.089	19.44	0.088
5	QPSK	1	24	19.38	0.087	19.30	0.085	19.22	0.084
5	QPSK	12	0	18.44	0.070	18.45	0.070	18.42	0.070
5	QPSK	12	7	18.56	0.072	18.49	0.071	18.43	0.070
5	QPSK	12	13	18.46	0.070	18.39	0.069	18.42	0.070
5	QPSK	25	0	18.52	0.071	18.48	0.070	18.47	0.070
5	16QAM	1	0	18.58	0.072	18.38	0.069	18.72	0.074
5	16QAM	1	12	18.62	0.073	18.73	0.075	18.64	0.073
5	16QAM	1	24	18.54	0.071	18.29	0.067	18.69	0.074
5	16QAM	12	0	17.51	0.056	17.43	0.055	17.45	0.056
5	16QAM	12	7	17.50	0.056	17.57	0.057	17.42	0.055
5	16QAM	12	13	17.48	0.056	17.39	0.055	17.37	0.055
5	16QAM	25	0	17.49	0.056	17.46	0.056	17.35	0.054
5	64QAM	1	0	17.41	0.055	17.44	0.055	17.64	0.058
5	64QAM	1	12	17.49	0.056	17.58	0.057	17.61	0.058
5	64QAM	1	24	17.41	0.055	17.40	0.055	17.44	0.055
5	64QAM	12	0	17.45	0.056	17.40	0.055	17.40	0.055
5	64QAM	12	7	17.60	0.058	17.47	0.056	17.46	0.056
5	64QAM	12	13	17.43	0.055	17.33	0.054	17.46	0.056
5	64QAM	25	0	17.44	0.055	17.42	0.055	17.48	0.056





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	19.61	0.091	19.44	0.088	19.41	0.087
3	QPSK	1	8	19.60	0.091	19.39	0.087	19.52	0.090
3	QPSK	1	14	19.63	0.092	19.42	0.087	19.40	0.087
3	QPSK	8	0	18.53	0.071	18.61	0.073	18.48	0.070
3	QPSK	8	4	18.52	0.071	18.52	0.071	18.43	0.070
3	QPSK	8	7	18.52	0.071	18.47	0.070	18.49	0.071
3	QPSK	15	0	18.54	0.071	18.55	0.072	18.57	0.072
3	16QAM	1	0	18.79	0.076	18.55	0.072	18.85	0.077
3	16QAM	1	8	18.65	0.073	18.65	0.073	18.92	0.078
3	16QAM	1	14	18.46	0.070	18.55	0.072	18.93	0.078
3	16QAM	8	0	17.58	0.057	17.70	0.059	17.63	0.058
3	16QAM	8	4	17.72	0.059	17.61	0.058	17.62	0.058
3	16QAM	8	7	17.72	0.059	17.66	0.058	17.52	0.056
3	16QAM	15	0	17.48	0.056	17.70	0.059	17.32	0.054
3	64QAM	1	0	17.63	0.058	17.33	0.054	17.52	0.056
3	64QAM	1	8	17.70	0.059	17.53	0.057	17.36	0.054
3	64QAM	1	14	17.66	0.058	17.45	0.056	17.51	0.056
3	64QAM	8	0	17.70	0.059	17.46	0.056	17.62	0.058
3	64QAM	8	4	17.64	0.058	17.77	0.060	17.56	0.057
3	64QAM	8	7	17.73	0.059	17.49	0.056	17.52	0.056
3	64QAM	15	0	17.53	0.057	17.43	0.055	17.49	0.056



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	19.53	0.090	19.37	0.086	19.43	0.088
1.4	QPSK	1	3	19.29	0.085	19.40	0.087	19.46	0.088
1.4	QPSK	1	5	19.38	0.087	19.37	0.086	19.25	0.084
1.4	QPSK	3	0	19.40	0.087	19.52	0.090	19.43	0.088
1.4	QPSK	3	1	19.27	0.085	19.48	0.089	19.48	0.089
1.4	QPSK	3	3	19.30	0.085	19.51	0.089	19.52	0.090
1.4	QPSK	6	0	18.53	0.071	18.56	0.072	18.41	0.069
1.4	16QAM	1	0	18.82	0.076	18.73	0.075	18.71	0.074
1.4	16QAM	1	3	19.06	0.081	18.87	0.077	18.67	0.074
1.4	16QAM	1	5	18.83	0.076	18.62	0.073	18.76	0.075
1.4	16QAM	3	0	18.48	0.070	18.59	0.072	18.76	0.075
1.4	16QAM	3	1	18.76	0.075	18.62	0.073	18.52	0.071
1.4	16QAM	3	3	18.69	0.074	18.44	0.070	18.60	0.072
1.4	16QAM	6	0	17.87	0.061	17.73	0.059	17.50	0.056
1.4	64QAM	1	0	17.42	0.055	17.46	0.056	17.26	0.053
1.4	64QAM	1	3	17.64	0.058	17.60	0.058	17.36	0.054
1.4	64QAM	1	5	17.57	0.057	17.71	0.059	17.28	0.053
1.4	64QAM	3	0	17.54	0.057	17.64	0.058	17.35	0.054
1.4	64QAM	3	1	17.59	0.057	17.61	0.058	17.40	0.055
1.4	64QAM	3	3	17.56	0.057	17.57	0.057	17.31	0.054
1.4	64QAM	6	0	19.53	0.090	19.37	0.086	19.43	0.088



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20050		20175		20300	
Frequency (MHz)				1720		1732.5		1745	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	19.57	0.091	19.53	0.090	19.61	0.091
20	QPSK	1	49	19.74	0.094	19.78	0.095	19.66	0.092
20	QPSK	1	99	19.29	0.085	19.33	0.086	19.39	0.087
20	QPSK	50	0	18.75	0.075	18.81	0.076	18.76	0.075
20	QPSK	50	24	18.70	0.074	18.63	0.073	18.67	0.074
20	QPSK	50	50	18.76	0.075	18.56	0.072	18.62	0.073
20	QPSK	100	0	18.72	0.074	18.55	0.072	18.74	0.075
20	16QAM	1	0	18.69	0.074	18.73	0.075	18.61	0.073
20	16QAM	1	49	18.68	0.074	18.64	0.073	18.87	0.077
20	16QAM	1	99	18.51	0.071	18.39	0.069	18.52	0.071
20	16QAM	50	0	17.70	0.059	17.85	0.061	17.88	0.061
20	16QAM	50	24	17.67	0.058	17.65	0.058	17.83	0.061
20	16QAM	50	50	17.70	0.059	17.62	0.058	17.56	0.057
20	16QAM	100	0	17.76	0.060	17.66	0.058	17.72	0.059
20	64QAM	1	0	17.62	0.058	17.64	0.058	17.65	0.058
20	64QAM	1	49	17.78	0.060	17.69	0.059	17.60	0.058
20	64QAM	1	99	17.60	0.058	17.59	0.057	17.70	0.059
20	64QAM	50	0	17.65	0.058	17.72	0.059	17.82	0.061
20	64QAM	50	24	17.68	0.059	17.70	0.059	17.78	0.060
20	64QAM	50	50	17.73	0.059	17.57	0.057	17.68	0.059
20	64QAM	100	0	17.74	0.059	17.69	0.059	17.72	0.059



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	19.55	0.090	19.64	0.092	19.60	0.091
15	QPSK	1	37	19.61	0.091	19.60	0.091	19.68	0.093
15	QPSK	1	74	19.44	0.088	19.47	0.089	19.61	0.091
15	QPSK	36	0	18.75	0.075	18.67	0.074	18.72	0.074
15	QPSK	36	20	18.67	0.074	18.67	0.074	18.68	0.074
15	QPSK	36	39	18.72	0.074	18.60	0.072	18.62	0.073
15	QPSK	75	0	18.65	0.073	18.62	0.073	18.65	0.073
15	16QAM	1	0	19.10	0.081	18.77	0.075	18.82	0.076
15	16QAM	1	37	18.86	0.077	18.77	0.075	18.60	0.072
15	16QAM	1	74	18.72	0.074	18.92	0.078	18.69	0.074
15	16QAM	36	0	17.67	0.058	17.74	0.059	17.71	0.059
15	16QAM	36	20	17.70	0.059	17.69	0.059	17.64	0.058
15	16QAM	36	39	17.61	0.058	17.56	0.057	17.62	0.058
15	16QAM	75	0	17.64	0.058	17.63	0.058	17.72	0.059
15	64QAM	1	0	17.61	0.058	17.70	0.059	17.69	0.059
15	64QAM	1	37	17.69	0.059	17.61	0.058	17.62	0.058
15	64QAM	1	74	17.87	0.061	17.61	0.058	17.54	0.057
15	64QAM	36	0	17.76	0.060	17.62	0.058	17.63	0.058
15	64QAM	36	20	17.72	0.059	17.62	0.058	17.75	0.060
15	64QAM	36	39	17.63	0.058	17.63	0.058	17.68	0.059
15	64QAM	75	0	17.77	0.060	17.65	0.058	17.70	0.059



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20000		20175		20350	
Frequency (MHz)				1715		1732.5		1750	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	19.62	0.092	19.68	0.093	19.71	0.094
10	QPSK	1	25	19.77	0.095	19.74	0.094	19.69	0.093
10	QPSK	1	49	19.77	0.095	19.50	0.089	19.53	0.090
10	QPSK	25	0	18.80	0.076	18.77	0.075	18.77	0.075
10	QPSK	25	12	18.81	0.076	18.75	0.075	18.76	0.075
10	QPSK	25	25	18.82	0.076	18.60	0.072	18.71	0.074
10	QPSK	50	0	18.87	0.077	18.70	0.074	18.75	0.075
10	16QAM	1	0	18.94	0.078	19.28	0.085	18.89	0.077
10	16QAM	1	25	19.03	0.080	18.91	0.078	18.87	0.077
10	16QAM	1	49	18.79	0.076	19.16	0.082	19.12	0.082
10	16QAM	25	0	17.78	0.060	17.91	0.062	17.87	0.061
10	16QAM	25	12	17.78	0.060	17.87	0.061	17.91	0.062
10	16QAM	25	25	17.82	0.061	17.62	0.058	17.83	0.061
10	16QAM	50	0	17.75	0.060	17.67	0.058	17.75	0.060
10	64QAM	1	0	17.67	0.058	17.69	0.059	17.66	0.058
10	64QAM	1	25	17.65	0.058	17.70	0.059	17.74	0.059
10	64QAM	1	49	17.76	0.060	17.67	0.058	17.67	0.058
10	64QAM	25	0	17.79	0.060	17.64	0.058	17.73	0.059
10	64QAM	25	12	17.77	0.060	17.85	0.061	17.77	0.060
10	64QAM	25	25	17.74	0.059	17.64	0.058	17.85	0.061
10	64QAM	50	0	17.78	0.060	17.64	0.058	17.77	0.060