



REPORT No.: SZ24100313W06

TEST REPORT

APPLICANT : BLU Products, Inc.

PRODUCT NAME : Smart Phone

MODEL NAME : G65L

BRAND NAME : BLU

FCC ID : YHLBLU65LW

STANDARD(S) : 47 CFR Part 2
47 CFR Part 22, Subpart H
47 CFR Part 24, Subpart E
47 CFR Part 27, Subpart F&H&L&M&N

RECEIPT DATE : 2024-12-10

TEST DATE : 2024-12-10 to 2025-01-06

ISSUE DATE : 2025-01-15

Edited by:

Zeng Xiaoying
Zeng Xiaoying (Rapporteur)

Approved by:

Shen Junsheng
Shen Junsheng (Supervisor)

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

MORLAB

Shenzhen Morlab Communications Technology Co., Ltd.
FL.1-3, Building A, FeiYang Science Park, No.8 LongChang Road,
Block67, BaoAn District, ShenZhen , GuangDong Province, P. R. China

Tel: 86-755-36698555

Http://www.morlab.cn

Fax: 86-755-36698525

E-mail: service@morlab.cn





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	5
1.4. Test Standards and Results	7
1.5. Environmental Conditions	8
2. 47 CFR Part 2, Part 22H, Part 24E, Part 27 F&H&L&M&N Requirements	9
2.1. Transmitter Conducted Output Power and E.R.P./E.I.R.P.	9
2.2. Occupied Bandwidth	83
2.3. Frequency Stability	150
2.4. Peak to Average Ratio	155
2.5. Conducted Spurious Emissions	189
2.6. Band Edge	211
2.7. Radiated Spurious Emissions	238
Annex A Test Uncertainty	289
Annex B Testing Laboratory Information	290

Change History		
Version	Date	Reason for change
1.0	2025-01-15	First edition



1. Technical Information

Note: Provide by applicant.

1.1. Applicant and Manufacturer Information

Applicant:	BLU Products, Inc.
Applicant Address:	8600 NW 36th Street, Suite #300 Miami, FL 33166, USA
Manufacturer:	BLU Products, Inc.
Manufacturer Address:	8600 NW 36th Street, Suite #300 Miami, FL 33166, USA

1.2. Equipment Under Test (EUT) Description

Product Name:	Smart Phone	
Sample No.:	5#, 6#, 7#	
Hardware Version:	A661-MB-V0.1	
Software Version:	BLU_G1130_V14.0.03.01 GENERIC 27-12-2024 22:29	
Modulation Type:	QPSK, 16QAM, 64QAM	
Operation Band:	Band 2 / 4 / 5 / 7 / 12 / 17 / 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 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
	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 7	5 MHz, 10MHz, 15MHz, 20MHz
	LTE Band 12	1.4MHz, 3 MHz, 5 MHz, 10MHz
	LTE Band 17	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	-0.94dBi
	LTE Band 4	-0.94dBi
	LTE Band 5	-2.20dBi
	LTE Band 7	-1.05dBi
	LTE Band 12	-1.38dBi
	LTE Band 17	-1.24dBi
	LTE Band 66	-0.89dBi
	LTE Band 71	-2.35dBi
Accessory Information:	Battery	
	Brand Name:	BLU
	Model No.:	C986642500P
	Serial No.:	N/A
	Capacity:	5000mAh
	Rated Voltage:	3.87V
	Charge Limit:	4.45V
	Manufacturer:	HUNAN GAOYUAN BATTERY CO.,LTD
	AC Adapter	
	Brand Name:	BLU
	Model No.:	US-WS-2000
	Serial No.:	N/A
	Rated Output:	5.0V $\Rightarrow$ 2000mA
	Rated Input:	100-240V $\sim$ 50/60Hz, 0.3A
	Manufacturer:	Huizhou wanzhisheng NEW ENERGY Technology Co.,Ltd.

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	64QAM	QPSK	16QAM	64QAM
20	0.215	0.173	0.136	17M9G7D	18M0W7D	18M0W7D
15	0.213	0.170	0.137	13M5G7D	13M5W7D	13M5W7D
10	0.211	0.173	0.136	9M00G7D	8M96W7D	8M99W7D
5	0.212	0.170	0.133	4M49G7D	4M49W7D	4M50W7D
3	0.213	0.171	0.135	2M72G7D	2M72W7D	2M72W7D
1.4	0.212	0.171	0.137	1M10G7D	1M10W7D	1M11W7D
LTE Band 4	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.200	0.163	0.128	17M9G7D	18M0W7D	17M9W7D
15	0.199	0.159	0.125	13M5G7D	13M5W7D	13M5W7D
10	0.198	0.162	0.125	8M99G7D	8M96W7D	8M99W7D
5	0.198	0.159	0.128	4M49G7D	4M49W7D	4M49W7D
3	0.197	0.161	0.126	2M72G7D	2M71W7D	2M71W7D
1.4	0.198	0.158	0.129	1M10G7D	1M10W7D	1M11W7D
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	0.088	0.073	0.056	8M98G7D	8M94W7D	8M99W7D
5	0.087	0.070	0.056	4M49G7D	4M49W7D	4M49W7D
3	0.088	0.070	0.055	2M73G7D	2M72W7D	2M71W7D
1.4	0.088	0.071	0.057	1M10G7D	1M10W7D	1M10W7D
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	0.193	0.155	0.122	17M9G7D	18M0W7D	17M9W7D
15	0.192	0.156	0.122	13M5G7D	13M5W7D	13M4W7D
10	0.191	0.154	0.119	9M01G7D	8M96W7D	8M98W7D
5	0.193	0.157	0.122	4M49G7D	4M48W7D	4M49W7D
LTE Band 12	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10	0.108	0.086	0.067	9M00G7D	8M97W7D	8M99W7D
5	0.107	0.084	0.067	4M49G7D	4M49W7D	4M49W7D
3	0.107	0.086	0.068	2M71G7D	2M71W7D	2M71W7D
1.4	0.106	0.086	0.068	1M10G7D	1M10W7D	1M11W7D



LTE Band 17	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10	0.109	0.086	0.068	8M99G7D	8M94W7D	8M98W7D
5	0.108	0.087	0.068	4M49G7D	4M49W7D	4M49W7D
LTE Band 66	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.223	0.175	0.138	17M9G7D	18M0W7D	18M0W7D
15	0.221	0.175	0.136	13M5G7D	13M5W7D	13M4W7D
10	0.220	0.174	0.135	8M98G7D	8M96W7D	8M98W7D
5	0.218	0.177	0.138	4M48G7D	4M49W7D	4M49W7D
3	0.219	0.176	0.139	2M71G7D	2M72W7D	2M71W7D
1.4	0.219	0.176	0.138	1M10G7D	1M10W7D	1M11W7D
LTE Band 71	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.084	0.068	0.053	17M9G7D	17M9W7D	17M9W7D
15	0.083	0.067	0.053	13M5G7D	13M5W7D	13M5W7D
10	0.082	0.067	0.053	9M01G7D	8M97W7D	8M99W7D
5	0.083	0.068	0.052	4M49G7D	4M49W7D	4M49W7D



1.4. Test Standards and Results

The objective of the report is to perform testing according to Part 2, Part 22, Part 24 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
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) 27.50(h)(2)	Transmitter Conducted Output Power and E.R.P./E.I.R.P.	Jan. 02&06, 2025	Shen Biaohong Gan Jing	PASS	No deviation
2.1049	Occupied Bandwidth	Dec. 16&17, 2024	Gan Jing	PASS	No deviation
2.1055 22.355 24.235 27.54	Frequency Stability	Jan. 06, 2025	Gan Jing	PASS	No deviation
24.232(d), 27.50(d)(5)	Peak to Average Radio	Dec. 17, 2024	Gan Jing	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(c)(2) 27.53(g) 27.53(h) 27.53(m)(4)	Conducted Spurious Emissions	Dec. 17, 2024	Gan Jing	PASS	No deviation
2.1051 22.917(a)	Band Edge	Dec. 17, 2024	Gan Jing	PASS	No deviation



24.238(a) 27.53(c)(2) 27.53(g) 27.53(h) 27.53(m)(4)					
2.1053 22.917(a) 24.238(a) 27.53(c)(2) 27.53(g) 27.53(h) 27.53(m)(4)	Radiated Spurious Emissions	Dec. 25, 2024	Yang Lian	PASS	No deviation

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

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

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

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

1.5. Environmental Conditions

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

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



2.47 CFR Part 2, Part 22H, Part 24E, Part 27 F&H&L&M&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.

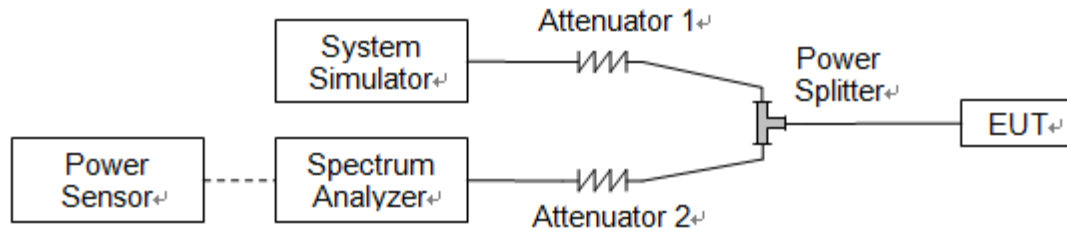
According to FCC section 27.50 (d)(4) for LTE Band 4, Fixed, mobile and portable (hand-held) stations in the 1710-1755MHz band are limited to 1wat E.I.R.P.

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 12/17/71, 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.

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

$$\text{E.R.P. (dBm)} = \text{E.I.R.P. (dBm)} - 2.15$$

**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	24.22	24.26	24.17
20	QPSK	1	49	24.14	24.21	24.00
20	QPSK	1	99	24.09	24.10	23.94
20	QPSK	50	0	23.11	23.14	23.08
20	QPSK	50	24	23.05	23.10	23.01
20	QPSK	50	50	22.94	22.96	22.88
20	QPSK	100	0	22.99	23.02	22.95
20	16QAM	1	0	23.25	23.31	23.19
20	16QAM	1	49	23.14	23.15	23.09
20	16QAM	1	99	23.01	23.07	22.99
20	16QAM	50	0	22.22	22.30	22.17
20	16QAM	50	24	22.14	22.17	22.09
20	16QAM	50	50	22.05	22.08	22.02
20	16QAM	100	0	21.99	22.00	21.96
20	64QAM	1	0	22.18	22.26	22.12
20	64QAM	1	49	22.05	22.12	22.03
20	64QAM	1	99	22.04	22.07	21.94
20	64QAM	50	0	21.50	21.59	21.45
20	64QAM	50	24	21.46	21.49	21.36
20	64QAM	50	50	21.42	21.44	21.39
20	64QAM	100	0	21.37	21.32	21.38



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	24.17	24.22	24.09
15	QPSK	1	37	24.11	24.14	24.04
15	QPSK	1	74	24.06	24.05	23.90
15	QPSK	36	0	23.15	23.09	23.11
15	QPSK	36	20	22.97	23.05	23.07
15	QPSK	36	39	23.04	22.94	22.92
15	QPSK	75	0	23.00	22.97	22.84
15	16QAM	1	0	23.24	23.19	23.12
15	16QAM	1	37	23.19	23.07	22.94
15	16QAM	1	74	23.04	23.03	22.87
15	16QAM	36	0	22.28	22.31	22.23
15	16QAM	36	20	22.13	22.20	22.07
15	16QAM	36	39	22.15	21.99	21.92
15	16QAM	75	0	21.98	22.00	21.99
15	64QAM	1	0	22.26	22.31	21.97
15	64QAM	1	37	21.96	22.00	21.90
15	64QAM	1	74	21.89	21.94	21.99
15	64QAM	36	0	21.50	21.68	21.41
15	64QAM	36	20	21.34	21.52	21.41
15	64QAM	36	39	21.27	21.46	21.45
15	64QAM	75	0	21.24	21.20	21.23



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				18650	18900	19150
Frequency (MHz)				1855	1880	1905
10	QPSK	1	0	24.15	24.19	24.14
10	QPSK	1	25	24.09	24.15	24.05
10	QPSK	1	49	24.01	24.12	23.97
10	QPSK	25	0	23.02	22.99	22.99
10	QPSK	25	12	23.08	23.03	23.11
10	QPSK	25	25	22.89	23.02	22.75
10	QPSK	50	0	22.94	22.99	22.82
10	16QAM	1	0	23.27	23.31	23.16
10	16QAM	1	25	23.17	23.20	23.03
10	16QAM	1	49	23.11	23.00	22.95
10	16QAM	25	0	22.30	22.19	22.25
10	16QAM	25	12	22.08	22.09	22.07
10	16QAM	25	25	22.09	21.97	22.03
10	16QAM	50	0	22.05	22.10	22.03
10	64QAM	1	0	22.27	22.15	21.97
10	64QAM	1	25	21.94	22.21	22.11
10	64QAM	1	49	21.98	22.05	21.90
10	64QAM	25	0	21.54	21.58	21.47
10	64QAM	25	12	21.51	21.57	21.41
10	64QAM	25	25	21.33	21.30	21.36
10	64QAM	50	0	21.37	21.37	21.44



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	24.13	24.21	24.08
5	QPSK	1	12	24.05	24.10	24.03
5	QPSK	1	24	24.11	24.10	23.89
5	QPSK	12	0	23.15	23.00	23.09
5	QPSK	12	7	23.12	22.96	23.11
5	QPSK	12	13	22.92	22.85	22.93
5	QPSK	25	0	23.00	23.06	22.93
5	16QAM	1	0	23.15	23.24	23.05
5	16QAM	1	12	23.06	23.09	23.02
5	16QAM	1	24	22.96	22.93	22.87
5	16QAM	12	0	22.07	22.19	22.23
5	16QAM	12	7	22.04	22.06	22.03
5	16QAM	12	13	22.13	22.10	21.90
5	16QAM	25	0	21.96	21.92	22.03
5	64QAM	1	0	22.15	22.16	22.14
5	64QAM	1	12	22.04	22.18	22.06
5	64QAM	1	24	22.02	21.95	21.91
5	64QAM	12	0	21.44	21.66	21.42
5	64QAM	12	7	21.50	21.46	21.36
5	64QAM	12	13	21.44	21.34	21.42
5	64QAM	25	0	21.41	21.26	21.32



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	24.09	24.23	24.12
3	QPSK	1	8	24.05	24.08	24.05
3	QPSK	1	14	23.99	24.02	24.02
3	QPSK	8	0	23.20	23.22	23.07
3	QPSK	8	4	23.11	23.09	22.96
3	QPSK	8	7	23.04	22.96	22.90
3	QPSK	15	0	22.91	22.87	22.84
3	16QAM	1	0	23.20	23.26	23.05
3	16QAM	1	8	23.04	23.14	22.97
3	16QAM	1	14	22.97	22.94	22.95
3	16QAM	8	0	22.20	22.25	22.03
3	16QAM	8	4	22.03	22.13	22.01
3	16QAM	8	7	22.00	22.17	21.90
3	16QAM	15	0	22.08	22.07	21.90
3	64QAM	1	0	22.23	22.24	22.04
3	64QAM	1	8	21.93	22.21	21.89
3	64QAM	1	14	21.92	21.92	22.00
3	64QAM	8	0	21.56	21.60	21.43
3	64QAM	8	4	21.38	21.48	21.31
3	64QAM	8	7	21.36	21.51	21.29
3	64QAM	15	0	21.28	21.39	21.40



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	24.13	24.20	24.15
1.4	QPSK	1	3	24.08	24.18	23.90
1.4	QPSK	1	5	23.98	24.04	24.02
1.4	QPSK	3	0	23.02	23.23	23.04
1.4	QPSK	3	1	23.10	23.03	23.09
1.4	QPSK	3	3	23.04	23.05	23.01
1.4	QPSK	6	0	23.05	23.04	22.83
1.4	16QAM	1	0	23.27	23.27	23.15
1.4	16QAM	1	3	23.19	23.06	23.06
1.4	16QAM	1	5	22.96	23.05	23.01
1.4	16QAM	3	0	22.12	22.24	22.08
1.4	16QAM	3	1	22.11	22.13	22.02
1.4	16QAM	3	3	22.11	22.08	22.11
1.4	16QAM	6	0	22.05	21.92	21.85
1.4	64QAM	1	0	22.20	22.31	22.16
1.4	64QAM	1	3	22.01	22.02	22.01
1.4	64QAM	1	5	22.00	22.10	21.96
1.4	64QAM	3	0	21.52	21.49	21.31
1.4	64QAM	3	1	21.49	21.35	21.44
1.4	64QAM	3	3	21.31	21.50	21.44
1.4	64QAM	6	0	21.38	21.22	21.42



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	23.91	23.96	23.92
20	QPSK	1	49	23.89	23.82	23.78
20	QPSK	1	99	23.84	23.91	23.86
20	QPSK	50	0	22.88	22.91	22.87
20	QPSK	50	24	22.74	22.76	22.68
20	QPSK	50	50	22.66	22.75	22.77
20	QPSK	100	0	22.72	22.86	22.74
20	16QAM	1	0	22.96	23.07	22.98
20	16QAM	1	49	22.77	22.88	22.78
20	16QAM	1	99	22.73	22.90	22.79
20	16QAM	50	0	21.83	21.97	21.75
20	16QAM	50	24	21.90	21.93	21.77
20	16QAM	50	50	21.82	21.68	21.71
20	16QAM	100	0	21.69	21.72	21.60
20	64QAM	1	0	21.97	22.02	21.91
20	64QAM	1	49	21.67	21.88	21.80
20	64QAM	1	99	21.71	21.73	21.71
20	64QAM	50	0	21.14	21.33	21.04
20	64QAM	50	24	21.19	21.13	20.97
20	64QAM	50	50	21.03	21.04	21.14
20	64QAM	100	0	20.97	20.90	21.15



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	23.82	23.93	23.90
15	QPSK	1	37	23.74	23.81	23.78
15	QPSK	1	74	23.69	23.84	23.80
15	QPSK	36	0	22.83	22.89	22.85
15	QPSK	36	20	22.65	22.77	22.66
15	QPSK	36	39	22.70	22.73	22.70
15	QPSK	75	0	22.74	22.78	22.69
15	16QAM	1	0	22.95	22.90	22.87
15	16QAM	1	37	22.75	22.89	22.80
15	16QAM	1	74	22.80	22.82	22.71
15	16QAM	36	0	21.77	21.92	21.81
15	16QAM	36	20	21.85	21.95	21.72
15	16QAM	36	39	21.85	21.64	21.70
15	16QAM	75	0	21.55	21.56	21.66
15	64QAM	1	0	21.80	21.92	21.83
15	64QAM	1	37	21.81	21.85	21.77
15	64QAM	1	74	21.82	21.72	21.67
15	64QAM	36	0	21.17	21.27	21.13
15	64QAM	36	20	21.25	21.29	21.14
15	64QAM	36	39	21.00	21.02	20.99
15	64QAM	75	0	20.93	21.08	21.05



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	23.85	23.90	23.87
10	QPSK	1	25	23.78	23.81	23.78
10	QPSK	1	49	23.81	23.80	23.74
10	QPSK	25	0	22.70	22.70	22.67
10	QPSK	25	12	22.79	22.80	22.80
10	QPSK	25	25	22.74	22.64	22.59
10	QPSK	50	0	22.63	22.74	22.56
10	16QAM	1	0	22.82	23.04	22.90
10	16QAM	1	25	22.77	22.73	22.85
10	16QAM	1	49	22.72	22.72	22.76
10	16QAM	25	0	21.88	22.00	21.93
10	16QAM	25	12	21.75	21.88	21.71
10	16QAM	25	25	21.75	21.74	21.69
10	16QAM	50	0	21.76	21.73	21.65
10	64QAM	1	0	21.74	21.83	21.91
10	64QAM	1	25	21.74	21.84	21.65
10	64QAM	1	49	21.63	21.79	21.67
10	64QAM	25	0	21.07	21.26	21.18
10	64QAM	25	12	21.16	21.11	21.10
10	64QAM	25	25	21.04	21.23	21.06
10	64QAM	50	0	21.01	20.96	21.14



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19975	20175	20375
Frequency (MHz)				1712.5	1732.5	1752.5
5	QPSK	1	0	23.86	23.91	23.88
5	QPSK	1	12	23.71	23.88	23.79
5	QPSK	1	24	23.66	23.71	23.70
5	QPSK	12	0	22.74	22.84	22.82
5	QPSK	12	7	22.64	22.81	22.60
5	QPSK	12	13	22.67	22.74	22.67
5	QPSK	25	0	22.59	22.79	22.59
5	16QAM	1	0	22.83	22.95	22.95
5	16QAM	1	12	22.87	22.93	22.70
5	16QAM	1	24	22.63	22.82	22.59
5	16QAM	12	0	21.80	22.07	21.87
5	16QAM	12	7	21.74	21.75	21.76
5	16QAM	12	13	21.79	21.87	21.79
5	16QAM	25	0	21.62	21.60	21.65
5	64QAM	1	0	21.90	22.01	21.87
5	64QAM	1	12	21.67	21.74	21.82
5	64QAM	1	24	21.83	21.81	21.74
5	64QAM	12	0	21.14	21.34	21.20
5	64QAM	12	7	21.14	21.14	20.98
5	64QAM	12	13	21.17	21.01	20.98
5	64QAM	25	0	20.97	21.00	21.10



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	23.82	23.89	23.75
3	QPSK	1	8	23.70	23.86	23.72
3	QPSK	1	14	23.76	23.77	23.69
3	QPSK	8	0	22.69	22.75	22.63
3	QPSK	8	4	22.82	22.75	22.58
3	QPSK	8	7	22.67	22.57	22.60
3	QPSK	15	0	22.70	22.71	22.64
3	16QAM	1	0	22.89	23.02	22.81
3	16QAM	1	8	22.85	22.85	22.67
3	16QAM	1	14	22.62	22.82	22.73
3	16QAM	8	0	22.01	21.97	21.95
3	16QAM	8	4	21.89	21.88	21.76
3	16QAM	8	7	21.61	21.87	21.75
3	16QAM	15	0	21.67	21.75	21.59
3	64QAM	1	0	21.76	21.94	21.69
3	64QAM	1	8	21.67	21.82	21.74
3	64QAM	1	14	21.79	21.87	21.56
3	64QAM	8	0	21.11	21.29	21.19
3	64QAM	8	4	21.25	21.22	21.06
3	64QAM	8	7	21.09	21.09	20.95
3	64QAM	15	0	20.93	20.93	21.17



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	23.86	23.90	23.86
1.4	QPSK	1	3	23.85	23.85	23.71
1.4	QPSK	1	5	23.72	23.75	23.74
1.4	QPSK	3	0	22.83	22.69	22.69
1.4	QPSK	3	1	22.60	22.84	22.70
1.4	QPSK	3	3	22.51	22.63	22.52
1.4	QPSK	6	0	22.62	22.65	22.70
1.4	16QAM	1	0	22.81	22.92	22.81
1.4	16QAM	1	3	22.83	22.89	22.76
1.4	16QAM	1	5	22.56	22.78	22.74
1.4	16QAM	3	0	21.94	21.96	21.88
1.4	16QAM	3	1	21.94	21.87	21.67
1.4	16QAM	3	3	21.67	21.76	21.69
1.4	16QAM	6	0	21.76	21.73	21.72
1.4	64QAM	1	0	21.89	22.06	21.78
1.4	64QAM	1	3	21.66	21.85	21.78
1.4	64QAM	1	5	21.78	21.75	21.69
1.4	64QAM	3	0	21.23	21.19	21.16
1.4	64QAM	3	1	21.08	21.25	21.15
1.4	64QAM	3	3	21.17	21.10	21.03
1.4	64QAM	6	0	21.02	21.00	20.96



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	23.76	23.81	23.74
10	QPSK	1	25	23.73	23.75	23.60
10	QPSK	1	49	23.62	23.69	23.57
10	QPSK	25	0	22.68	22.79	22.60
10	QPSK	25	12	22.65	22.54	22.64
10	QPSK	25	25	22.62	22.61	22.54
10	QPSK	50	0	22.54	22.63	22.59
10	16QAM	1	0	22.84	22.96	22.65
10	16QAM	1	25	22.68	22.60	22.59
10	16QAM	1	49	22.61	22.64	22.46
10	16QAM	25	0	21.83	21.73	21.79
10	16QAM	25	12	21.62	21.65	21.69
10	16QAM	25	25	21.59	21.51	21.47
10	16QAM	50	0	21.42	21.41	21.59
10	64QAM	1	0	21.75	21.85	21.56
10	64QAM	1	25	21.50	21.54	21.57
10	64QAM	1	49	21.48	21.57	21.49
10	64QAM	25	0	20.92	21.09	21.04
10	64QAM	25	12	21.04	21.11	20.91
10	64QAM	25	25	20.86	21.03	20.88
10	64QAM	50	0	20.83	20.85	20.80



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	23.64	23.76	23.69
5	QPSK	1	12	23.57	23.64	23.56
5	QPSK	1	24	23.61	23.70	23.51
5	QPSK	12	0	22.62	22.77	22.63
5	QPSK	12	7	22.68	22.53	22.56
5	QPSK	12	13	22.57	22.57	22.58
5	QPSK	25	0	22.51	22.60	22.52
5	16QAM	1	0	22.67	22.82	22.83
5	16QAM	1	12	22.73	22.61	22.66
5	16QAM	1	24	22.47	22.64	22.55
5	16QAM	12	0	21.87	21.84	21.63
5	16QAM	12	7	21.66	21.78	21.70
5	16QAM	12	13	21.70	21.62	21.60
5	16QAM	25	0	21.42	21.63	21.39
5	64QAM	1	0	21.81	21.84	21.75
5	64QAM	1	12	21.60	21.74	21.48
5	64QAM	1	24	21.69	21.68	21.46
5	64QAM	12	0	21.08	21.22	20.89
5	64QAM	12	7	21.05	21.06	20.92
5	64QAM	12	13	20.94	21.00	20.96
5	64QAM	25	0	20.90	20.88	20.96



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	23.69	23.79	23.72
3	QPSK	1	8	23.74	23.68	23.58
3	QPSK	1	14	23.69	23.60	23.55
3	QPSK	8	0	22.62	22.71	22.58
3	QPSK	8	4	22.55	22.52	22.53
3	QPSK	8	7	22.47	22.59	22.57
3	QPSK	15	0	22.53	22.61	22.57
3	16QAM	1	0	22.72	22.83	22.68
3	16QAM	1	8	22.62	22.70	22.71
3	16QAM	1	14	22.61	22.66	22.53
3	16QAM	8	0	21.74	21.70	21.70
3	16QAM	8	4	21.72	21.72	21.72
3	16QAM	8	7	21.67	21.67	21.45
3	16QAM	15	0	21.41	21.48	21.47
3	64QAM	1	0	21.73	21.70	21.60
3	64QAM	1	8	21.68	21.74	21.53
3	64QAM	1	14	21.55	21.70	21.56
3	64QAM	8	0	20.95	21.17	20.95
3	64QAM	8	4	21.10	21.09	20.93
3	64QAM	8	7	21.03	21.00	20.98
3	64QAM	15	0	20.83	20.88	21.00



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	23.69	23.72	23.70
1.4	QPSK	1	3	23.61	23.78	23.62
1.4	QPSK	1	5	23.53	23.60	23.48
1.4	QPSK	3	0	22.69	22.72	22.66
1.4	QPSK	3	1	22.56	22.71	22.56
1.4	QPSK	3	3	22.59	22.57	22.53
1.4	QPSK	6	0	22.61	22.58	22.42
1.4	16QAM	1	0	22.70	22.84	22.72
1.4	16QAM	1	3	22.77	22.71	22.58
1.4	16QAM	1	5	22.65	22.51	22.49
1.4	16QAM	3	0	21.81	21.84	21.76
1.4	16QAM	3	1	21.60	21.64	21.54
1.4	16QAM	3	3	21.59	21.61	21.49
1.4	16QAM	6	0	21.40	21.48	21.42
1.4	64QAM	1	0	21.75	21.89	21.59
1.4	64QAM	1	3	21.56	21.64	21.67
1.4	64QAM	1	5	21.54	21.54	21.52
1.4	64QAM	3	0	20.97	21.05	21.01
1.4	64QAM	3	1	21.01	20.96	20.91
1.4	64QAM	3	3	20.91	21.01	20.97
1.4	64QAM	6	0	20.95	20.93	21.01



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	23.85	23.91	23.88
20	QPSK	1	49	23.79	23.89	23.74
20	QPSK	1	99	23.66	23.75	23.63
20	QPSK	50	0	22.77	22.80	22.67
20	QPSK	50	24	22.74	22.67	22.65
20	QPSK	50	50	22.60	22.72	22.57
20	QPSK	100	0	22.68	22.70	22.59
20	16QAM	1	0	22.91	22.94	22.73
20	16QAM	1	49	22.83	22.75	22.62
20	16QAM	1	99	22.71	22.79	22.66
20	16QAM	50	0	21.82	21.83	21.72
20	16QAM	50	24	21.73	21.75	21.68
20	16QAM	50	50	21.65	21.79	21.59
20	16QAM	100	0	21.61	21.59	21.47
20	64QAM	1	0	21.91	21.80	21.80
20	64QAM	1	49	21.72	21.87	21.58
20	64QAM	1	99	21.71	21.66	21.58
20	64QAM	50	0	21.19	21.24	21.03
20	64QAM	50	24	21.07	21.07	20.99
20	64QAM	50	50	20.97	21.07	21.14
20	64QAM	100	0	21.11	21.01	20.88



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	23.82	23.89	23.80
15	QPSK	1	37	23.71	23.85	23.56
15	QPSK	1	74	23.61	23.71	23.62
15	QPSK	36	0	22.82	22.68	22.64
15	QPSK	36	20	22.79	22.61	22.58
15	QPSK	36	39	22.60	22.60	22.63
15	QPSK	75	0	22.68	22.68	22.70
15	16QAM	1	0	22.75	22.98	22.91
15	16QAM	1	37	22.76	22.80	22.73
15	16QAM	1	74	22.59	22.69	22.59
15	16QAM	36	0	21.74	21.90	21.85
15	16QAM	36	20	21.82	21.76	21.64
15	16QAM	36	39	21.69	21.80	21.71
15	16QAM	75	0	21.61	21.71	21.58
15	64QAM	1	0	21.86	21.91	21.69
15	64QAM	1	37	21.79	21.66	21.59
15	64QAM	1	74	21.74	21.79	21.62
15	64QAM	36	0	21.04	21.21	21.12
15	64QAM	36	20	21.06	21.16	20.89
15	64QAM	36	39	20.94	21.03	21.04
15	64QAM	75	0	20.98	20.88	21.10



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	23.85	23.87	23.82
10	QPSK	1	25	23.65	23.81	23.75
10	QPSK	1	49	23.66	23.80	23.68
10	QPSK	25	0	22.79	22.70	22.65
10	QPSK	25	12	22.80	22.75	22.61
10	QPSK	25	25	22.66	22.68	22.47
10	QPSK	50	0	22.51	22.54	22.58
10	16QAM	1	0	22.93	22.86	22.80
10	16QAM	1	25	22.85	22.83	22.79
10	16QAM	1	49	22.55	22.80	22.66
10	16QAM	25	0	21.90	22.02	21.72
10	16QAM	25	12	21.77	21.69	21.72
10	16QAM	25	25	21.68	21.75	21.67
10	16QAM	50	0	21.62	21.66	21.59
10	64QAM	1	0	21.78	21.79	21.80
10	64QAM	1	25	21.61	21.69	21.59
10	64QAM	1	49	21.57	21.60	21.60
10	64QAM	25	0	21.07	21.34	21.14
10	64QAM	25	12	21.15	21.17	21.09
10	64QAM	25	25	21.09	21.10	21.13
10	64QAM	50	0	20.88	20.89	21.08



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	23.76	23.90	23.79
5	QPSK	1	12	23.72	23.82	23.56
5	QPSK	1	24	23.68	23.83	23.59
5	QPSK	12	0	22.78	22.65	22.80
5	QPSK	12	7	22.61	22.78	22.67
5	QPSK	12	13	22.57	22.71	22.59
5	QPSK	25	0	22.63	22.72	22.67
5	16QAM	1	0	22.82	23.01	22.87
5	16QAM	1	12	22.80	22.77	22.71
5	16QAM	1	24	22.63	22.69	22.65
5	16QAM	12	0	21.88	21.91	21.70
5	16QAM	12	7	21.88	21.83	21.61
5	16QAM	12	13	21.65	21.74	21.53
5	16QAM	25	0	21.53	21.55	21.69
5	64QAM	1	0	21.91	21.93	21.87
5	64QAM	1	12	21.67	21.67	21.73
5	64QAM	1	24	21.76	21.78	21.67
5	64QAM	12	0	21.09	21.18	21.14
5	64QAM	12	7	20.97	21.10	20.88
5	64QAM	12	13	20.94	20.96	20.91
5	64QAM	25	0	20.98	20.88	20.90



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	23.77	23.86	23.84
10	QPSK	1	25	23.70	23.67	23.66
10	QPSK	1	49	23.64	23.71	23.59
10	QPSK	25	0	22.75	22.81	22.72
10	QPSK	25	12	22.69	22.61	22.70
10	QPSK	25	25	22.54	22.74	22.63
10	QPSK	50	0	22.60	22.64	22.57
10	16QAM	1	0	22.80	22.86	22.66
10	16QAM	1	25	22.84	22.60	22.60
10	16QAM	1	49	22.71	22.63	22.57
10	16QAM	25	0	21.72	21.79	21.62
10	16QAM	25	12	21.62	21.69	21.66
10	16QAM	25	25	21.57	21.55	21.49
10	16QAM	50	0	21.64	21.61	21.57
10	64QAM	1	0	21.71	21.74	21.61
10	64QAM	1	25	21.62	21.79	21.52
10	64QAM	1	49	21.71	21.54	21.59
10	64QAM	25	0	21.09	21.22	21.01
10	64QAM	25	12	21.14	21.17	20.96
10	64QAM	25	25	20.87	21.08	20.96
10	64QAM	50	0	20.89	20.86	20.99



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	23.74	23.83	23.75
5	QPSK	1	12	23.72	23.79	23.70
5	QPSK	1	24	23.60	23.66	23.61
5	QPSK	12	0	22.76	22.75	22.74
5	QPSK	12	7	22.69	22.66	22.59
5	QPSK	12	13	22.64	22.63	22.55
5	QPSK	25	0	22.44	22.70	22.53
5	16QAM	1	0	22.72	22.77	22.78
5	16QAM	1	12	22.70	22.60	22.54
5	16QAM	1	24	22.56	22.71	22.50
5	16QAM	12	0	21.68	21.81	21.63
5	16QAM	12	7	21.76	21.62	21.73
5	16QAM	12	13	21.68	21.58	21.50
5	16QAM	25	0	21.49	21.70	21.57
5	64QAM	1	0	21.80	21.81	21.69
5	64QAM	1	12	21.69	21.76	21.63
5	64QAM	1	24	21.67	21.65	21.49
5	64QAM	12	0	21.20	21.27	20.90
5	64QAM	12	7	21.00	21.03	21.04
5	64QAM	12	13	21.07	20.97	21.06
5	64QAM	25	0	20.89	20.92	21.00



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	23.79	23.82	23.64
3	QPSK	1	8	23.77	23.76	23.66
3	QPSK	1	14	23.60	23.60	23.55
3	QPSK	8	0	22.57	22.81	22.65
3	QPSK	8	4	22.70	22.78	22.54
3	QPSK	8	7	22.61	22.63	22.59
3	QPSK	15	0	22.57	22.60	22.47
3	16QAM	1	0	22.74	22.86	22.64
3	16QAM	1	8	22.71	22.75	22.67
3	16QAM	1	14	22.68	22.71	22.65
3	16QAM	8	0	21.67	21.84	21.77
3	16QAM	8	4	21.69	21.62	21.57
3	16QAM	8	7	21.62	21.56	21.50
3	16QAM	15	0	21.65	21.57	21.61
3	64QAM	1	0	21.74	21.84	21.80
3	64QAM	1	8	21.62	21.74	21.57
3	64QAM	1	14	21.71	21.67	21.58
3	64QAM	8	0	21.01	21.19	20.90
3	64QAM	8	4	20.92	21.04	20.97
3	64QAM	8	7	21.11	21.10	20.89
3	64QAM	15	0	20.87	20.86	21.04



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	23.71	23.80	23.70
1.4	QPSK	1	3	23.63	23.69	23.70
1.4	QPSK	1	5	23.64	23.68	23.58
1.4	QPSK	3	0	22.58	22.68	22.67
1.4	QPSK	3	1	22.74	22.72	22.51
1.4	QPSK	3	3	22.43	22.62	22.42
1.4	QPSK	6	0	22.47	22.50	22.53
1.4	16QAM	1	0	22.81	22.85	22.84
1.4	16QAM	1	3	22.79	22.60	22.65
1.4	16QAM	1	5	22.57	22.59	22.61
1.4	16QAM	3	0	21.91	21.81	21.86
1.4	16QAM	3	1	21.61	21.65	21.60
1.4	16QAM	3	3	21.75	21.63	21.67
1.4	16QAM	6	0	21.50	21.52	21.52
1.4	64QAM	1	0	21.85	21.71	21.65
1.4	64QAM	1	3	21.75	21.79	21.64
1.4	64QAM	1	5	21.72	21.71	21.56
1.4	64QAM	3	0	21.06	21.05	21.04
1.4	64QAM	3	1	21.13	21.16	20.90
1.4	64QAM	3	3	20.90	20.98	20.84
1.4	64QAM	6	0	20.93	21.00	21.01



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	23.74	23.77	23.62
10	QPSK	1	25	23.70	23.71	23.55
10	QPSK	1	49	23.64	23.66	23.51
10	QPSK	25	0	22.51	22.60	22.48
10	QPSK	25	12	22.45	22.56	22.41
10	QPSK	25	25	22.39	22.54	22.42
10	QPSK	50	0	22.51	22.55	22.50
10	16QAM	1	0	22.62	22.75	22.69
10	16QAM	1	25	22.62	22.63	22.55
10	16QAM	1	49	22.62	22.66	22.44
10	16QAM	25	0	21.70	21.73	21.63
10	16QAM	25	12	21.53	21.65	21.71
10	16QAM	25	25	21.67	21.62	21.52
10	16QAM	50	0	21.43	21.57	21.51
10	64QAM	1	0	21.56	21.66	21.70
10	64QAM	1	25	21.44	21.71	21.40
10	64QAM	1	49	21.48	21.55	21.49
10	64QAM	25	0	21.04	21.14	21.00
10	64QAM	25	12	20.85	20.95	20.82
10	64QAM	25	25	20.85	20.86	20.99
10	64QAM	50	0	20.95	20.80	20.92



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	23.64	23.74	23.67
5	QPSK	1	12	23.51	23.63	23.55
5	QPSK	1	24	23.55	23.60	23.47
5	QPSK	12	0	22.52	22.60	22.49
5	QPSK	12	7	22.46	22.57	22.48
5	QPSK	12	13	22.40	22.36	22.31
5	QPSK	25	0	22.41	22.53	22.51
5	16QAM	1	0	22.65	22.68	22.81
5	16QAM	1	12	22.73	22.71	22.59
5	16QAM	1	24	22.51	22.64	22.54
5	16QAM	12	0	21.77	21.72	21.57
5	16QAM	12	7	21.54	21.63	21.52
5	16QAM	12	13	21.56	21.65	21.62
5	16QAM	25	0	21.45	21.38	21.44
5	64QAM	1	0	21.72	21.69	21.66
5	64QAM	1	12	21.60	21.70	21.56
5	64QAM	1	24	21.53	21.66	21.42
5	64QAM	12	0	21.10	20.99	20.88
5	64QAM	12	7	21.04	20.87	20.82
5	64QAM	12	13	21.01	20.86	20.78
5	64QAM	25	0	20.79	20.89	20.95



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	24.35	24.37	24.23
20	QPSK	1	49	24.20	24.25	24.07
20	QPSK	1	99	24.12	24.18	24.11
20	QPSK	50	0	23.13	23.16	23.10
20	QPSK	50	24	23.02	23.06	22.95
20	QPSK	50	50	22.88	22.99	22.90
20	QPSK	100	0	23.10	23.14	22.99
20	16QAM	1	0	23.29	23.32	23.14
20	16QAM	1	49	23.09	23.26	23.07
20	16QAM	1	99	23.00	23.21	22.95
20	16QAM	50	0	22.19	22.33	22.30
20	16QAM	50	24	22.17	22.21	22.23
20	16QAM	50	50	22.03	22.00	22.04
20	16QAM	100	0	22.00	21.94	21.94
20	64QAM	1	0	22.13	22.29	22.22
20	64QAM	1	49	22.01	22.23	22.00
20	64QAM	1	99	22.02	22.09	21.93
20	64QAM	50	0	21.57	21.50	21.56
20	64QAM	50	24	21.52	21.40	21.49
20	64QAM	50	50	21.39	21.44	21.43
20	64QAM	100	0	21.31	21.30	21.43



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	24.27	24.33	24.19
15	QPSK	1	37	24.14	24.29	24.15
15	QPSK	1	74	24.22	24.15	24.03
15	QPSK	36	0	23.08	23.21	23.15
15	QPSK	36	20	23.14	23.13	22.98
15	QPSK	36	39	22.88	22.91	23.02
15	QPSK	75	0	23.01	22.93	22.87
15	16QAM	1	0	23.23	23.33	23.16
15	16QAM	1	37	23.07	23.19	23.22
15	16QAM	1	74	23.07	22.97	23.04
15	16QAM	36	0	22.25	22.22	22.18
15	16QAM	36	20	22.04	22.32	22.12
15	16QAM	36	39	21.96	22.11	22.13
15	16QAM	75	0	22.00	21.97	22.03
15	64QAM	1	0	22.13	22.24	22.09
15	64QAM	1	37	22.10	22.03	21.97
15	64QAM	1	74	21.94	22.13	21.96
15	64QAM	36	0	21.58	21.56	21.41
15	64QAM	36	20	21.43	21.45	21.30
15	64QAM	36	39	21.57	21.40	21.31
15	64QAM	75	0	21.33	21.27	21.46



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	24.24	24.31	24.09
10	QPSK	1	25	24.11	24.29	24.15
10	QPSK	1	49	24.07	24.15	24.05
10	QPSK	25	0	23.16	23.25	23.01
10	QPSK	25	12	23.07	23.13	22.97
10	QPSK	25	25	22.92	23.02	22.94
10	QPSK	50	0	22.99	22.94	23.09
10	16QAM	1	0	23.26	23.29	23.15
10	16QAM	1	25	23.13	23.11	23.22
10	16QAM	1	49	23.15	22.97	22.97
10	16QAM	25	0	22.36	22.30	22.28
10	16QAM	25	12	22.06	22.15	22.16
10	16QAM	25	25	22.14	22.18	22.04
10	16QAM	50	0	22.11	22.09	21.89
10	64QAM	1	0	22.15	22.19	22.02
10	64QAM	1	25	22.02	22.06	21.93
10	64QAM	1	49	22.17	22.16	21.92
10	64QAM	25	0	21.53	21.55	21.48
10	64QAM	25	12	21.39	21.43	21.46
10	64QAM	25	25	21.33	21.46	21.44
10	64QAM	50	0	21.42	21.33	21.38



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	24.12	24.28	24.14
5	QPSK	1	12	24.18	24.23	24.03
5	QPSK	1	24	24.13	24.04	23.96
5	QPSK	12	0	23.21	23.09	23.18
5	QPSK	12	7	23.17	23.17	23.00
5	QPSK	12	13	22.90	22.92	23.01
5	QPSK	25	0	22.95	23.15	22.86
5	16QAM	1	0	23.33	23.36	23.23
5	16QAM	1	12	23.06	23.16	23.23
5	16QAM	1	24	23.07	23.04	23.07
5	16QAM	12	0	22.23	22.34	22.28
5	16QAM	12	7	22.20	22.30	22.17
5	16QAM	12	13	22.01	22.20	22.03
5	16QAM	25	0	21.96	22.04	22.08
5	64QAM	1	0	22.25	22.28	22.15
5	64QAM	1	12	22.09	22.24	21.98
5	64QAM	1	24	21.96	22.11	21.92
5	64QAM	12	0	21.47	21.70	21.54
5	64QAM	12	7	21.38	21.61	21.34
5	64QAM	12	13	21.51	21.38	21.35
5	64QAM	25	0	21.27	21.32	21.33



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	24.25	24.30	24.24
3	QPSK	1	8	24.18	24.24	24.08
3	QPSK	1	14	24.16	24.13	23.96
3	QPSK	8	0	23.16	23.09	23.00
3	QPSK	8	4	23.15	23.09	23.09
3	QPSK	8	7	23.00	22.96	22.78
3	QPSK	15	0	23.12	22.92	22.85
3	16QAM	1	0	23.35	23.27	23.09
3	16QAM	1	8	23.20	23.29	23.04
3	16QAM	1	14	23.02	22.97	23.12
3	16QAM	8	0	22.15	22.33	22.28
3	16QAM	8	4	22.20	22.23	22.08
3	16QAM	8	7	22.00	22.07	22.07
3	16QAM	15	0	22.14	22.04	21.94
3	64QAM	1	0	22.13	22.31	22.27
3	64QAM	1	8	22.04	22.09	22.06
3	64QAM	1	14	21.96	22.17	22.06
3	64QAM	8	0	21.57	21.63	21.55
3	64QAM	8	4	21.52	21.49	21.50
3	64QAM	8	7	21.40	21.56	21.49
3	64QAM	15	0	21.45	21.34	21.29



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	24.19	24.29	24.20
1.4	QPSK	1	3	24.04	24.11	23.93
1.4	QPSK	1	5	24.03	24.07	24.03
1.4	QPSK	3	0	23.13	23.25	23.14
1.4	QPSK	3	1	23.02	23.24	23.10
1.4	QPSK	3	3	23.00	23.04	23.01
1.4	QPSK	6	0	22.90	23.01	22.85
1.4	16QAM	1	0	23.34	23.35	23.26
1.4	16QAM	1	3	23.26	23.10	23.24
1.4	16QAM	1	5	22.93	23.08	22.94
1.4	16QAM	3	0	22.19	22.26	22.29
1.4	16QAM	3	1	22.10	22.28	22.06
1.4	16QAM	3	3	22.07	22.16	22.15
1.4	16QAM	6	0	21.98	22.05	22.06
1.4	64QAM	1	0	22.22	22.29	22.26
1.4	64QAM	1	3	22.13	22.27	22.04
1.4	64QAM	1	5	22.06	22.12	21.90
1.4	64QAM	3	0	21.42	21.53	21.37
1.4	64QAM	3	1	21.43	21.59	21.28
1.4	64QAM	3	3	21.57	21.46	21.41
1.4	64QAM	6	0	21.34	21.37	21.45



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	23.67	23.72	23.64
20	QPSK	1	49	23.54	23.59	23.53
20	QPSK	1	99	23.52	23.61	23.49
20	QPSK	50	0	22.55	22.61	22.58
20	QPSK	50	24	22.53	22.57	22.57
20	QPSK	50	50	22.51	22.53	22.52
20	QPSK	100	0	22.53	22.54	22.50
20	16QAM	1	0	22.76	22.82	22.74
20	16QAM	1	49	22.52	22.70	22.54
20	16QAM	1	99	22.52	22.63	22.51
20	16QAM	50	0	21.62	21.78	21.57
20	16QAM	50	24	21.69	21.68	21.65
20	16QAM	50	50	21.53	21.51	21.54
20	16QAM	100	0	21.58	21.43	21.57
20	64QAM	1	0	21.71	21.77	21.58
20	64QAM	1	49	21.50	21.56	21.56
20	64QAM	1	99	21.51	21.67	21.52
20	64QAM	50	0	20.91	21.17	21.05
20	64QAM	50	24	20.85	20.90	20.97
20	64QAM	50	50	20.88	20.83	20.88
20	64QAM	100	0	20.87	20.69	20.96



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)				670.5	680.5	690.5
15	QPSK	1	0	23.64	23.68	23.63
15	QPSK	1	37	23.60	23.61	23.50
15	QPSK	1	74	23.52	23.59	23.51
15	QPSK	36	0	22.58	22.67	22.55
15	QPSK	36	20	22.56	22.65	22.49
15	QPSK	36	39	22.54	22.56	22.52
15	QPSK	75	0	22.49	22.54	22.49
15	16QAM	1	0	22.68	22.75	22.73
15	16QAM	1	37	22.55	22.72	22.59
15	16QAM	1	74	22.54	22.57	22.50
15	16QAM	36	0	21.83	21.88	21.70
15	16QAM	36	20	21.68	21.56	21.61
15	16QAM	36	39	21.50	21.56	21.59
15	16QAM	75	0	21.43	21.53	21.44
15	64QAM	1	0	21.72	21.63	21.57
15	64QAM	1	37	21.56	21.57	21.52
15	64QAM	1	74	21.54	21.51	21.54
15	64QAM	36	0	20.88	21.17	21.01
15	64QAM	36	20	20.93	20.88	20.93
15	64QAM	36	39	20.99	21.03	20.90
15	64QAM	75	0	20.82	20.83	20.95



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	23.64	23.66	23.59
10	QPSK	1	25	23.58	23.64	23.53
10	QPSK	1	49	23.59	23.57	23.57
10	QPSK	25	0	22.57	22.70	22.67
10	QPSK	25	12	22.62	22.64	22.46
10	QPSK	25	25	22.55	22.47	22.53
10	QPSK	50	0	22.59	22.53	22.49
10	16QAM	1	0	22.78	22.72	22.79
10	16QAM	1	25	22.65	22.65	22.46
10	16QAM	1	49	22.49	22.57	22.55
10	16QAM	25	0	21.63	21.70	21.66
10	16QAM	25	12	21.53	21.57	21.55
10	16QAM	25	25	21.57	21.68	21.49
10	16QAM	50	0	21.59	21.49	21.52
10	64QAM	1	0	21.59	21.70	21.74
10	64QAM	1	25	21.59	21.53	21.51
10	64QAM	1	49	21.52	21.53	21.57
10	64QAM	25	0	20.92	21.10	20.92
10	64QAM	25	12	21.08	20.97	20.92
10	64QAM	25	25	20.90	21.03	20.77
10	64QAM	50	0	20.92	20.87	20.79



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	23.63	23.67	23.65
5	QPSK	1	12	23.52	23.59	23.61
5	QPSK	1	24	23.59	23.62	23.49
5	QPSK	12	0	22.56	22.72	22.46
5	QPSK	12	7	22.62	22.52	22.45
5	QPSK	12	13	22.57	22.42	22.48
5	QPSK	25	0	22.42	22.48	22.49
5	16QAM	1	0	22.69	22.80	22.68
5	16QAM	1	12	22.54	22.64	22.47
5	16QAM	1	24	22.55	22.58	22.43
5	16QAM	12	0	21.66	21.84	21.73
5	16QAM	12	7	21.51	21.67	21.55
5	16QAM	12	13	21.56	21.46	21.64
5	16QAM	25	0	21.46	21.53	21.48
5	64QAM	1	0	21.70	21.63	21.54
5	64QAM	1	12	21.54	21.69	21.45
5	64QAM	1	24	21.63	21.49	21.47
5	64QAM	12	0	21.01	21.14	20.84
5	64QAM	12	7	21.06	20.99	20.82
5	64QAM	12	13	20.86	20.95	20.98
5	64QAM	25	0	20.74	20.81	20.97

**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	23.28	0.213	23.32	0.215	23.23	0.210
20	QPSK	1	49	23.20	0.209	23.27	0.212	23.06	0.202
20	QPSK	1	99	23.15	0.207	23.16	0.207	23.00	0.200
20	QPSK	50	0	22.17	0.165	22.20	0.166	22.14	0.164
20	QPSK	50	24	22.11	0.163	22.16	0.164	22.07	0.161
20	QPSK	50	50	22.00	0.158	22.02	0.159	21.94	0.156
20	QPSK	100	0	22.05	0.160	22.08	0.161	22.01	0.159
20	16QAM	1	0	22.31	0.170	22.37	0.173	22.25	0.168
20	16QAM	1	49	22.20	0.166	22.21	0.166	22.15	0.164
20	16QAM	1	99	22.07	0.161	22.13	0.163	22.05	0.160
20	16QAM	50	0	21.28	0.134	21.36	0.137	21.23	0.133
20	16QAM	50	24	21.20	0.132	21.23	0.133	21.15	0.130
20	16QAM	50	50	21.11	0.129	21.14	0.130	21.08	0.128
20	16QAM	100	0	21.05	0.127	21.06	0.128	21.02	0.126
20	64QAM	1	0	21.24	0.133	21.32	0.136	21.18	0.131
20	64QAM	1	49	21.11	0.129	21.18	0.131	21.09	0.129
20	64QAM	1	99	21.10	0.129	21.13	0.130	21.00	0.126
20	64QAM	50	0	20.56	0.114	20.65	0.116	20.51	0.112
20	64QAM	50	24	20.52	0.113	20.55	0.114	20.42	0.110
20	64QAM	50	50	20.48	0.112	20.50	0.112	20.45	0.111
20	64QAM	100	0	20.43	0.110	20.38	0.109	20.44	0.111



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	23.23	0.210	23.28	0.213	23.15	0.207
15	QPSK	1	37	23.17	0.207	23.20	0.209	23.10	0.204
15	QPSK	1	74	23.12	0.205	23.11	0.205	22.96	0.198
15	QPSK	36	0	22.21	0.166	22.15	0.164	22.17	0.165
15	QPSK	36	20	22.03	0.160	22.11	0.163	22.13	0.163
15	QPSK	36	39	22.10	0.162	22.00	0.158	21.98	0.158
15	QPSK	75	0	22.06	0.161	22.03	0.160	21.90	0.155
15	16QAM	1	0	22.30	0.170	22.25	0.168	22.18	0.165
15	16QAM	1	37	22.25	0.168	22.13	0.163	22.00	0.158
15	16QAM	1	74	22.10	0.162	22.09	0.162	21.93	0.156
15	16QAM	36	0	21.34	0.136	21.37	0.137	21.29	0.135
15	16QAM	36	20	21.19	0.132	21.26	0.134	21.13	0.130
15	16QAM	36	39	21.21	0.132	21.05	0.127	20.98	0.125
15	16QAM	75	0	21.04	0.127	21.06	0.128	21.05	0.127
15	64QAM	1	0	21.32	0.136	21.37	0.137	21.03	0.127
15	64QAM	1	37	21.02	0.126	21.06	0.128	20.96	0.125
15	64QAM	1	74	20.95	0.124	21.00	0.126	21.05	0.127
15	64QAM	36	0	20.56	0.114	20.74	0.119	20.47	0.111
15	64QAM	36	20	20.40	0.110	20.58	0.114	20.47	0.111
15	64QAM	36	39	20.33	0.108	20.52	0.113	20.51	0.112
15	64QAM	75	0	20.30	0.107	20.26	0.106	20.29	0.107



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	23.21	0.209	23.25	0.211	23.20	0.209
10	QPSK	1	25	23.15	0.207	23.21	0.209	23.11	0.205
10	QPSK	1	49	23.07	0.203	23.18	0.208	23.03	0.201
10	QPSK	25	0	22.08	0.161	22.05	0.160	22.05	0.160
10	QPSK	25	12	22.14	0.164	22.09	0.162	22.17	0.165
10	QPSK	25	25	21.95	0.157	22.08	0.161	21.81	0.152
10	QPSK	50	0	22.00	0.158	22.05	0.160	21.88	0.154
10	16QAM	1	0	22.33	0.171	22.37	0.173	22.22	0.167
10	16QAM	1	25	22.23	0.167	22.26	0.168	22.09	0.162
10	16QAM	1	49	22.17	0.165	22.06	0.161	22.01	0.159
10	16QAM	25	0	21.36	0.137	21.25	0.133	21.31	0.135
10	16QAM	25	12	21.14	0.130	21.15	0.130	21.13	0.130
10	16QAM	25	25	21.15	0.130	21.03	0.127	21.09	0.129
10	16QAM	50	0	21.11	0.129	21.16	0.131	21.09	0.129
10	64QAM	1	0	21.33	0.136	21.21	0.132	21.03	0.127
10	64QAM	1	25	21.00	0.126	21.27	0.134	21.17	0.131
10	64QAM	1	49	21.04	0.127	21.11	0.129	20.96	0.125
10	64QAM	25	0	20.60	0.115	20.64	0.116	20.53	0.113
10	64QAM	25	12	20.57	0.114	20.63	0.116	20.47	0.111
10	64QAM	25	25	20.39	0.109	20.36	0.109	20.42	0.110
10	64QAM	50	0	20.43	0.110	20.43	0.110	20.50	0.112



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	23.19	0.208	23.27	0.212	23.14	0.206
5	QPSK	1	12	23.11	0.205	23.16	0.207	23.09	0.204
5	QPSK	1	24	23.17	0.207	23.16	0.207	22.95	0.197
5	QPSK	12	0	22.21	0.166	22.06	0.161	22.15	0.164
5	QPSK	12	7	22.18	0.165	22.02	0.159	22.17	0.165
5	QPSK	12	13	21.98	0.158	21.91	0.155	21.99	0.158
5	QPSK	25	0	22.06	0.161	22.12	0.163	21.99	0.158
5	16QAM	1	0	22.21	0.166	22.30	0.170	22.11	0.163
5	16QAM	1	12	22.12	0.163	22.15	0.164	22.08	0.161
5	16QAM	1	24	22.02	0.159	21.99	0.158	21.93	0.156
5	16QAM	12	0	21.13	0.130	21.25	0.133	21.29	0.135
5	16QAM	12	7	21.10	0.129	21.12	0.129	21.09	0.129
5	16QAM	12	13	21.19	0.132	21.16	0.131	20.96	0.125
5	16QAM	25	0	21.02	0.126	20.98	0.125	21.09	0.129
5	64QAM	1	0	21.21	0.132	21.22	0.132	21.20	0.132
5	64QAM	1	12	21.10	0.129	21.24	0.133	21.12	0.129
5	64QAM	1	24	21.08	0.128	21.01	0.126	20.97	0.125
5	64QAM	12	0	20.50	0.112	20.72	0.118	20.48	0.112
5	64QAM	12	7	20.56	0.114	20.52	0.113	20.42	0.110
5	64QAM	12	13	20.50	0.112	20.40	0.110	20.48	0.112
5	64QAM	25	0	20.47	0.111	20.32	0.108	20.38	0.109



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	23.15	0.207	23.29	0.213	23.18	0.208
3	QPSK	1	8	23.11	0.205	23.14	0.206	23.11	0.205
3	QPSK	1	14	23.05	0.202	23.08	0.203	23.08	0.203
3	QPSK	8	0	22.26	0.168	22.28	0.169	22.13	0.163
3	QPSK	8	4	22.17	0.165	22.15	0.164	22.02	0.159
3	QPSK	8	7	22.10	0.162	22.02	0.159	21.96	0.157
3	QPSK	15	0	21.97	0.157	21.93	0.156	21.90	0.155
3	16QAM	1	0	22.26	0.168	22.32	0.171	22.11	0.163
3	16QAM	1	8	22.10	0.162	22.20	0.166	22.03	0.160
3	16QAM	1	14	22.03	0.160	22.00	0.158	22.01	0.159
3	16QAM	8	0	21.26	0.134	21.31	0.135	21.09	0.129
3	16QAM	8	4	21.09	0.129	21.19	0.132	21.07	0.128
3	16QAM	8	7	21.06	0.128	21.23	0.133	20.96	0.125
3	16QAM	15	0	21.14	0.130	21.13	0.130	20.96	0.125
3	64QAM	1	0	21.29	0.135	21.30	0.135	21.10	0.129
3	64QAM	1	8	20.99	0.126	21.27	0.134	20.95	0.124
3	64QAM	1	14	20.98	0.125	20.98	0.125	21.06	0.128
3	64QAM	8	0	20.62	0.115	20.66	0.116	20.49	0.112
3	64QAM	8	4	20.44	0.111	20.54	0.113	20.37	0.109
3	64QAM	8	7	20.42	0.110	20.57	0.114	20.35	0.108
3	64QAM	15	0	20.34	0.108	20.45	0.111	20.46	0.111



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	23.19	0.208	23.26	0.212	23.21	0.209
1.4	QPSK	1	3	23.14	0.206	23.24	0.211	22.96	0.198
1.4	QPSK	1	5	23.04	0.201	23.10	0.204	23.08	0.203
1.4	QPSK	3	0	22.08	0.161	22.29	0.169	22.10	0.162
1.4	QPSK	3	1	22.16	0.164	22.09	0.162	22.15	0.164
1.4	QPSK	3	3	22.10	0.162	22.11	0.163	22.07	0.161
1.4	QPSK	6	0	22.11	0.163	22.10	0.162	21.89	0.155
1.4	16QAM	1	0	22.33	0.171	22.33	0.171	22.21	0.166
1.4	16QAM	1	3	22.25	0.168	22.12	0.163	22.12	0.163
1.4	16QAM	1	5	22.02	0.159	22.11	0.163	22.07	0.161
1.4	16QAM	3	0	21.18	0.131	21.30	0.135	21.14	0.130
1.4	16QAM	3	1	21.17	0.131	21.19	0.132	21.08	0.128
1.4	16QAM	3	3	21.17	0.131	21.14	0.130	21.17	0.131
1.4	16QAM	6	0	21.11	0.129	20.98	0.125	20.91	0.123
1.4	64QAM	1	0	21.26	0.134	21.37	0.137	21.22	0.132
1.4	64QAM	1	3	21.07	0.128	21.08	0.128	21.07	0.128
1.4	64QAM	1	5	21.06	0.128	21.16	0.131	21.02	0.126
1.4	64QAM	3	0	20.58	0.114	20.55	0.114	20.37	0.109
1.4	64QAM	3	1	20.55	0.114	20.41	0.110	20.50	0.112
1.4	64QAM	3	3	20.37	0.109	20.56	0.114	20.50	0.112
1.4	64QAM	6	0	20.44	0.111	20.28	0.107	20.48	0.112



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20050		20175		20300	
Frequency (MHz)				1720		1732.5		1745	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	22.97	0.198	23.02	0.200	22.98	0.199
20	QPSK	1	49	22.95	0.197	22.88	0.194	22.84	0.192
20	QPSK	1	99	22.90	0.195	22.97	0.198	22.92	0.196
20	QPSK	50	0	21.94	0.156	21.97	0.157	21.93	0.156
20	QPSK	50	24	21.80	0.151	21.82	0.152	21.74	0.149
20	QPSK	50	50	21.72	0.149	21.81	0.152	21.83	0.152
20	QPSK	100	0	21.78	0.151	21.92	0.156	21.80	0.151
20	16QAM	1	0	22.02	0.159	22.13	0.163	22.04	0.160
20	16QAM	1	49	21.83	0.152	21.94	0.156	21.84	0.153
20	16QAM	1	99	21.79	0.151	21.96	0.157	21.85	0.153
20	16QAM	50	0	20.89	0.123	21.03	0.127	20.81	0.121
20	16QAM	50	24	20.96	0.125	20.99	0.126	20.83	0.121
20	16QAM	50	50	20.88	0.122	20.74	0.119	20.77	0.119
20	16QAM	100	0	20.75	0.119	20.78	0.120	20.66	0.116
20	64QAM	1	0	21.03	0.127	21.08	0.128	20.97	0.125
20	64QAM	1	49	20.73	0.118	20.94	0.124	20.86	0.122
20	64QAM	1	99	20.77	0.119	20.79	0.120	20.77	0.119
20	64QAM	50	0	20.20	0.105	20.39	0.109	20.10	0.102
20	64QAM	50	24	20.25	0.106	20.19	0.104	20.03	0.101
20	64QAM	50	50	20.09	0.102	20.10	0.102	20.20	0.105
20	64QAM	100	0	20.03	0.101	19.96	0.099	20.21	0.105



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20025		20175		20325	
Frequency (MHz)				1717.5		1732.5		1747.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	22.88	0.194	22.99	0.199	22.96	0.198
15	QPSK	1	37	22.80	0.191	22.87	0.194	22.84	0.192
15	QPSK	1	74	22.75	0.188	22.90	0.195	22.86	0.193
15	QPSK	36	0	21.89	0.155	21.95	0.157	21.91	0.155
15	QPSK	36	20	21.71	0.148	21.83	0.152	21.72	0.149
15	QPSK	36	39	21.76	0.150	21.79	0.151	21.76	0.150
15	QPSK	75	0	21.80	0.151	21.84	0.153	21.75	0.150
15	16QAM	1	0	22.01	0.159	21.96	0.157	21.93	0.156
15	16QAM	1	37	21.81	0.152	21.95	0.157	21.86	0.153
15	16QAM	1	74	21.86	0.153	21.88	0.154	21.77	0.150
15	16QAM	36	0	20.83	0.121	20.98	0.125	20.87	0.122
15	16QAM	36	20	20.91	0.123	21.01	0.126	20.78	0.120
15	16QAM	36	39	20.91	0.123	20.70	0.117	20.76	0.119
15	16QAM	75	0	20.61	0.115	20.62	0.115	20.72	0.118
15	64QAM	1	0	20.86	0.122	20.98	0.125	20.89	0.123
15	64QAM	1	37	20.87	0.122	20.91	0.123	20.83	0.121
15	64QAM	1	74	20.88	0.122	20.78	0.120	20.73	0.118
15	64QAM	36	0	20.23	0.105	20.33	0.108	20.19	0.104
15	64QAM	36	20	20.31	0.107	20.35	0.108	20.20	0.105
15	64QAM	36	39	20.06	0.101	20.08	0.102	20.05	0.101
15	64QAM	75	0	19.99	0.100	20.14	0.103	20.11	0.103



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20000		20175		20350	
Frequency (MHz)				1715		1732.5		1750	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	22.91	0.195	22.96	0.198	22.93	0.196
10	QPSK	1	25	22.84	0.192	22.87	0.194	22.84	0.192
10	QPSK	1	49	22.87	0.194	22.86	0.193	22.80	0.191
10	QPSK	25	0	21.76	0.150	21.76	0.150	21.73	0.149
10	QPSK	25	12	21.85	0.153	21.86	0.153	21.86	0.153
10	QPSK	25	25	21.80	0.151	21.70	0.148	21.65	0.146
10	QPSK	50	0	21.69	0.148	21.80	0.151	21.62	0.145
10	16QAM	1	0	21.88	0.154	22.10	0.162	21.96	0.157
10	16QAM	1	25	21.83	0.152	21.79	0.151	21.91	0.155
10	16QAM	1	49	21.78	0.151	21.78	0.151	21.82	0.152
10	16QAM	25	0	20.94	0.124	21.06	0.128	20.99	0.126
10	16QAM	25	12	20.81	0.121	20.94	0.124	20.77	0.119
10	16QAM	25	25	20.81	0.121	20.80	0.120	20.75	0.119
10	16QAM	50	0	20.82	0.121	20.79	0.120	20.71	0.118
10	64QAM	1	0	20.80	0.120	20.89	0.123	20.97	0.125
10	64QAM	1	25	20.80	0.120	20.90	0.123	20.71	0.118
10	64QAM	1	49	20.69	0.117	20.85	0.122	20.73	0.118
10	64QAM	25	0	20.13	0.103	20.32	0.108	20.24	0.106
10	64QAM	25	12	20.22	0.105	20.17	0.104	20.16	0.104
10	64QAM	25	25	20.10	0.102	20.29	0.107	20.12	0.103
10	64QAM	50	0	20.07	0.102	20.02	0.100	20.20	0.105



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19975		20175		20375	
Frequency (MHz)				1712.5		1732.5		1752.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	22.92	0.196	22.97	0.198	22.94	0.197
5	QPSK	1	12	22.77	0.189	22.94	0.197	22.85	0.193
5	QPSK	1	24	22.72	0.187	22.77	0.189	22.76	0.189
5	QPSK	12	0	21.80	0.151	21.90	0.155	21.88	0.154
5	QPSK	12	7	21.70	0.148	21.87	0.154	21.66	0.147
5	QPSK	12	13	21.73	0.149	21.80	0.151	21.73	0.149
5	QPSK	25	0	21.65	0.146	21.85	0.153	21.65	0.146
5	16QAM	1	0	21.89	0.155	22.01	0.159	22.01	0.159
5	16QAM	1	12	21.93	0.156	21.99	0.158	21.76	0.150
5	16QAM	1	24	21.69	0.148	21.88	0.154	21.65	0.146
5	16QAM	12	0	20.86	0.122	21.13	0.130	20.93	0.124
5	16QAM	12	7	20.80	0.120	20.81	0.121	20.82	0.121
5	16QAM	12	13	20.85	0.122	20.93	0.124	20.85	0.122
5	16QAM	25	0	20.68	0.117	20.66	0.116	20.71	0.118
5	64QAM	1	0	20.96	0.125	21.07	0.128	20.93	0.124
5	64QAM	1	12	20.73	0.118	20.80	0.120	20.88	0.122
5	64QAM	1	24	20.89	0.123	20.87	0.122	20.80	0.120
5	64QAM	12	0	20.20	0.105	20.40	0.110	20.26	0.106
5	64QAM	12	7	20.20	0.105	20.20	0.105	20.04	0.101
5	64QAM	12	13	20.23	0.105	20.07	0.102	20.04	0.101
5	64QAM	25	0	20.03	0.101	20.06	0.101	20.16	0.104



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19965		20175		20385	
Frequency (MHz)				1711.5		1732.5		1753.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	22.88	0.194	22.95	0.197	22.81	0.191
3	QPSK	1	8	22.76	0.189	22.92	0.196	22.78	0.190
3	QPSK	1	14	22.82	0.191	22.83	0.192	22.75	0.188
3	QPSK	8	0	21.75	0.150	21.81	0.152	21.69	0.148
3	QPSK	8	4	21.88	0.154	21.81	0.152	21.64	0.146
3	QPSK	8	7	21.73	0.149	21.63	0.146	21.66	0.147
3	QPSK	15	0	21.76	0.150	21.77	0.150	21.70	0.148
3	16QAM	1	0	21.95	0.157	22.08	0.161	21.87	0.154
3	16QAM	1	8	21.91	0.155	21.91	0.155	21.73	0.149
3	16QAM	1	14	21.68	0.147	21.88	0.154	21.79	0.151
3	16QAM	8	0	21.07	0.128	21.03	0.127	21.01	0.126
3	16QAM	8	4	20.95	0.124	20.94	0.124	20.82	0.121
3	16QAM	8	7	20.67	0.117	20.93	0.124	20.81	0.121
3	16QAM	15	0	20.73	0.118	20.81	0.121	20.65	0.116
3	64QAM	1	0	20.82	0.121	21.00	0.126	20.75	0.119
3	64QAM	1	8	20.73	0.118	20.88	0.122	20.80	0.120
3	64QAM	1	14	20.85	0.122	20.93	0.124	20.62	0.115
3	64QAM	8	0	20.17	0.104	20.35	0.108	20.25	0.106
3	64QAM	8	4	20.31	0.107	20.28	0.107	20.12	0.103
3	64QAM	8	7	20.15	0.104	20.15	0.104	20.01	0.100
3	64QAM	15	0	19.99	0.100	19.99	0.100	20.23	0.105



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19957		20175		20393	
Frequency (MHz)				1710.7		1732.5		1754.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	22.92	0.196	22.96	0.198	22.92	0.196
1.4	QPSK	1	3	22.91	0.195	22.91	0.195	22.77	0.189
1.4	QPSK	1	5	22.78	0.190	22.81	0.191	22.80	0.191
1.4	QPSK	3	0	21.89	0.155	21.75	0.150	21.75	0.150
1.4	QPSK	3	1	21.66	0.147	21.90	0.155	21.76	0.150
1.4	QPSK	3	3	21.57	0.144	21.69	0.148	21.58	0.144
1.4	QPSK	6	0	21.68	0.147	21.71	0.148	21.76	0.150
1.4	16QAM	1	0	21.87	0.154	21.98	0.158	21.87	0.154
1.4	16QAM	1	3	21.89	0.155	21.95	0.157	21.82	0.152
1.4	16QAM	1	5	21.62	0.145	21.84	0.153	21.80	0.151
1.4	16QAM	3	0	21.00	0.126	21.02	0.126	20.94	0.124
1.4	16QAM	3	1	21.00	0.126	20.93	0.124	20.73	0.118
1.4	16QAM	3	3	20.73	0.118	20.82	0.121	20.75	0.119
1.4	16QAM	6	0	20.82	0.121	20.79	0.120	20.78	0.120
1.4	64QAM	1	0	20.95	0.124	21.12	0.129	20.84	0.121
1.4	64QAM	1	3	20.72	0.118	20.91	0.123	20.84	0.121
1.4	64QAM	1	5	20.84	0.121	20.81	0.121	20.75	0.119
1.4	64QAM	3	0	20.29	0.107	20.25	0.106	20.22	0.105
1.4	64QAM	3	1	20.14	0.103	20.31	0.107	20.21	0.105
1.4	64QAM	3	3	20.23	0.105	20.16	0.104	20.09	0.102
1.4	64QAM	6	0	20.08	0.102	20.06	0.101	20.02	0.100



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20450		20525		20600	
Frequency (MHz)				829		836.5		844	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	19.41	0.087	19.46	0.088	19.39	0.087
10	QPSK	1	25	19.38	0.087	19.40	0.087	19.25	0.084
10	QPSK	1	49	19.27	0.085	19.34	0.086	19.22	0.084
10	QPSK	25	0	18.33	0.068	18.44	0.070	18.25	0.067
10	QPSK	25	12	18.30	0.068	18.19	0.066	18.29	0.067
10	QPSK	25	25	18.27	0.067	18.26	0.067	18.19	0.066
10	QPSK	50	0	18.19	0.066	18.28	0.067	18.24	0.067
10	16QAM	1	0	18.49	0.071	18.61	0.073	18.30	0.068
10	16QAM	1	25	18.33	0.068	18.25	0.067	18.24	0.067
10	16QAM	1	49	18.26	0.067	18.29	0.067	18.11	0.065
10	16QAM	25	0	17.48	0.056	17.38	0.055	17.44	0.055
10	16QAM	25	12	17.27	0.053	17.30	0.054	17.34	0.054
10	16QAM	25	25	17.24	0.053	17.16	0.052	17.12	0.052
10	16QAM	50	0	17.07	0.051	17.06	0.051	17.24	0.053
10	64QAM	1	0	17.40	0.055	17.50	0.056	17.21	0.053
10	64QAM	1	25	17.15	0.052	17.19	0.052	17.22	0.053
10	64QAM	1	49	17.13	0.052	17.22	0.053	17.14	0.052
10	64QAM	25	0	16.57	0.045	16.74	0.047	16.69	0.047
10	64QAM	25	12	16.69	0.047	16.76	0.047	16.56	0.045
10	64QAM	25	25	16.51	0.045	16.68	0.047	16.53	0.045
10	64QAM	50	0	16.48	0.044	16.50	0.045	16.45	0.044



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20425		20525		20625	
Frequency (MHz)				826.5		836.5		846.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	19.29	0.085	19.41	0.087	19.34	0.086
5	QPSK	1	12	19.22	0.084	19.29	0.085	19.21	0.083
5	QPSK	1	24	19.26	0.084	19.35	0.086	19.16	0.082
5	QPSK	12	0	18.27	0.067	18.42	0.070	18.28	0.067
5	QPSK	12	7	18.33	0.068	18.18	0.066	18.21	0.066
5	QPSK	12	13	18.22	0.066	18.22	0.066	18.23	0.067
5	QPSK	25	0	18.16	0.065	18.25	0.067	18.17	0.066
5	16QAM	1	0	18.32	0.068	18.47	0.070	18.48	0.070
5	16QAM	1	12	18.38	0.069	18.26	0.067	18.31	0.068
5	16QAM	1	24	18.12	0.065	18.29	0.067	18.20	0.066
5	16QAM	12	0	17.52	0.056	17.49	0.056	17.28	0.053
5	16QAM	12	7	17.31	0.054	17.43	0.055	17.35	0.054
5	16QAM	12	13	17.35	0.054	17.27	0.053	17.25	0.053
5	16QAM	25	0	17.07	0.051	17.28	0.053	17.04	0.051
5	64QAM	1	0	17.46	0.056	17.49	0.056	17.40	0.055
5	64QAM	1	12	17.25	0.053	17.39	0.055	17.13	0.052
5	64QAM	1	24	17.34	0.054	17.33	0.054	17.11	0.051
5	64QAM	12	0	16.73	0.047	16.87	0.049	16.54	0.045
5	64QAM	12	7	16.70	0.047	16.71	0.047	16.57	0.045
5	64QAM	12	13	16.59	0.046	16.65	0.046	16.61	0.046
5	64QAM	25	0	16.55	0.045	16.53	0.045	16.61	0.046



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20415		20525		20635	
Frequency (MHz)				825.5		836.5		847.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	19.34	0.086	19.44	0.088	19.37	0.086
3	QPSK	1	8	19.39	0.087	19.33	0.086	19.23	0.084
3	QPSK	1	14	19.34	0.086	19.25	0.084	19.20	0.083
3	QPSK	8	0	18.27	0.067	18.36	0.069	18.23	0.067
3	QPSK	8	4	18.20	0.066	18.17	0.066	18.18	0.066
3	QPSK	8	7	18.12	0.065	18.24	0.067	18.22	0.066
3	QPSK	15	0	18.18	0.066	18.26	0.067	18.22	0.066
3	16QAM	1	0	18.37	0.069	18.48	0.070	18.33	0.068
3	16QAM	1	8	18.27	0.067	18.35	0.068	18.36	0.069
3	16QAM	1	14	18.26	0.067	18.31	0.068	18.18	0.066
3	16QAM	8	0	17.39	0.055	17.35	0.054	17.35	0.054
3	16QAM	8	4	17.37	0.055	17.37	0.055	17.37	0.055
3	16QAM	8	7	17.32	0.054	17.32	0.054	17.10	0.051
3	16QAM	15	0	17.06	0.051	17.13	0.052	17.12	0.052
3	64QAM	1	0	17.38	0.055	17.35	0.054	17.25	0.053
3	64QAM	1	8	17.33	0.054	17.39	0.055	17.18	0.052
3	64QAM	1	14	17.20	0.052	17.35	0.054	17.21	0.053
3	64QAM	8	0	16.60	0.046	16.82	0.048	16.60	0.046
3	64QAM	8	4	16.75	0.047	16.74	0.047	16.58	0.045
3	64QAM	8	7	16.68	0.047	16.65	0.046	16.63	0.046
3	64QAM	15	0	16.48	0.044	16.53	0.045	16.65	0.046



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20407		20525		20643	
Frequency (MHz)				824.7		836.5		848.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	19.34	0.086	19.37	0.086	19.35	0.086
1.4	QPSK	1	3	19.26	0.084	19.43	0.088	19.27	0.085
1.4	QPSK	1	5	19.18	0.083	19.25	0.084	19.13	0.082
1.4	QPSK	3	0	18.34	0.068	18.37	0.069	18.31	0.068
1.4	QPSK	3	1	18.21	0.066	18.36	0.069	18.21	0.066
1.4	QPSK	3	3	18.24	0.067	18.22	0.066	18.18	0.066
1.4	QPSK	6	0	18.26	0.067	18.23	0.067	18.07	0.064
1.4	16QAM	1	0	18.35	0.068	18.49	0.071	18.37	0.069
1.4	16QAM	1	3	18.42	0.070	18.36	0.069	18.23	0.067
1.4	16QAM	1	5	18.30	0.068	18.16	0.065	18.14	0.065
1.4	16QAM	3	0	17.46	0.056	17.49	0.056	17.41	0.055
1.4	16QAM	3	1	17.25	0.053	17.29	0.054	17.19	0.052
1.4	16QAM	3	3	17.24	0.053	17.26	0.053	17.14	0.052
1.4	16QAM	6	0	17.05	0.051	17.13	0.052	17.07	0.051
1.4	64QAM	1	0	17.40	0.055	17.54	0.057	17.24	0.053
1.4	64QAM	1	3	17.21	0.053	17.29	0.054	17.32	0.054
1.4	64QAM	1	5	17.19	0.052	17.19	0.052	17.17	0.052
1.4	64QAM	3	0	16.62	0.046	16.70	0.047	16.66	0.046
1.4	64QAM	3	1	16.66	0.046	16.61	0.046	16.56	0.045
1.4	64QAM	3	3	16.56	0.045	16.66	0.046	16.62	0.046
1.4	64QAM	6	0	16.60	0.046	16.58	0.045	16.66	0.046



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20850		21100		21350	
Frequency (MHz)				2510		2535		2560	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	22.80	0.191	22.86	0.193	22.83	0.192
20	QPSK	1	49	22.74	0.188	22.84	0.192	22.69	0.186
20	QPSK	1	99	22.61	0.182	22.70	0.186	22.58	0.181
20	QPSK	50	0	21.72	0.149	21.75	0.150	21.62	0.145
20	QPSK	50	24	21.69	0.148	21.62	0.145	21.60	0.145
20	QPSK	50	50	21.55	0.143	21.67	0.147	21.52	0.142
20	QPSK	100	0	21.63	0.146	21.65	0.146	21.54	0.143
20	16QAM	1	0	21.86	0.153	21.89	0.155	21.68	0.147
20	16QAM	1	49	21.78	0.151	21.70	0.148	21.57	0.144
20	16QAM	1	99	21.66	0.147	21.74	0.149	21.61	0.145
20	16QAM	50	0	20.77	0.119	20.78	0.120	20.67	0.117
20	16QAM	50	24	20.68	0.117	20.70	0.117	20.63	0.116
20	16QAM	50	50	20.60	0.115	20.74	0.119	20.54	0.113
20	16QAM	100	0	20.56	0.114	20.54	0.113	20.42	0.110
20	64QAM	1	0	20.86	0.122	20.75	0.119	20.75	0.119
20	64QAM	1	49	20.67	0.117	20.82	0.121	20.53	0.113
20	64QAM	1	99	20.66	0.116	20.61	0.115	20.53	0.113
20	64QAM	50	0	20.14	0.103	20.19	0.104	19.98	0.100
20	64QAM	50	24	20.02	0.100	20.02	0.100	19.94	0.099
20	64QAM	50	50	19.92	0.098	20.02	0.100	20.09	0.102
20	64QAM	100	0	20.06	0.101	19.96	0.099	19.83	0.096



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	22.77	0.189	22.84	0.192	22.75	0.188
15	QPSK	1	37	22.66	0.185	22.80	0.191	22.51	0.178
15	QPSK	1	74	22.56	0.180	22.66	0.185	22.57	0.181
15	QPSK	36	0	21.77	0.150	21.63	0.146	21.59	0.144
15	QPSK	36	20	21.74	0.149	21.56	0.143	21.53	0.142
15	QPSK	36	39	21.55	0.143	21.55	0.143	21.58	0.144
15	QPSK	75	0	21.63	0.146	21.63	0.146	21.65	0.146
15	16QAM	1	0	21.70	0.148	21.93	0.156	21.86	0.153
15	16QAM	1	37	21.71	0.148	21.75	0.150	21.68	0.147
15	16QAM	1	74	21.54	0.143	21.64	0.146	21.54	0.143
15	16QAM	36	0	20.69	0.117	20.85	0.122	20.80	0.120
15	16QAM	36	20	20.77	0.119	20.71	0.118	20.59	0.115
15	16QAM	36	39	20.64	0.116	20.75	0.119	20.66	0.116
15	16QAM	75	0	20.56	0.114	20.66	0.116	20.53	0.113
15	64QAM	1	0	20.81	0.121	20.86	0.122	20.64	0.116
15	64QAM	1	37	20.74	0.119	20.61	0.115	20.54	0.113
15	64QAM	1	74	20.69	0.117	20.74	0.119	20.57	0.114
15	64QAM	36	0	19.99	0.100	20.16	0.104	20.07	0.102
15	64QAM	36	20	20.01	0.100	20.11	0.103	19.84	0.096
15	64QAM	36	39	19.89	0.097	19.98	0.100	19.99	0.100
15	64QAM	75	0	19.93	0.098	19.83	0.096	20.05	0.101



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	22.80	0.191	22.82	0.191	22.77	0.189
10	QPSK	1	25	22.60	0.182	22.76	0.189	22.70	0.186
10	QPSK	1	49	22.61	0.182	22.75	0.188	22.63	0.183
10	QPSK	25	0	21.74	0.149	21.65	0.146	21.60	0.145
10	QPSK	25	12	21.75	0.150	21.70	0.148	21.56	0.143
10	QPSK	25	25	21.61	0.145	21.63	0.146	21.42	0.139
10	QPSK	50	0	21.46	0.140	21.49	0.141	21.53	0.142
10	16QAM	1	0	21.88	0.154	21.81	0.152	21.75	0.150
10	16QAM	1	25	21.80	0.151	21.78	0.151	21.74	0.149
10	16QAM	1	49	21.50	0.141	21.75	0.150	21.61	0.145
10	16QAM	25	0	20.85	0.122	20.97	0.125	20.67	0.117
10	16QAM	25	12	20.72	0.118	20.64	0.116	20.67	0.117
10	16QAM	25	25	20.63	0.116	20.70	0.117	20.62	0.115
10	16QAM	50	0	20.57	0.114	20.61	0.115	20.54	0.113
10	64QAM	1	0	20.73	0.118	20.74	0.119	20.75	0.119
10	64QAM	1	25	20.56	0.114	20.64	0.116	20.54	0.113
10	64QAM	1	49	20.52	0.113	20.55	0.114	20.55	0.114
10	64QAM	25	0	20.02	0.100	20.29	0.107	20.09	0.102
10	64QAM	25	12	20.10	0.102	20.12	0.103	20.04	0.101
10	64QAM	25	25	20.04	0.101	20.05	0.101	20.08	0.102
10	64QAM	50	0	19.83	0.096	19.84	0.096	20.03	0.101



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	22.71	0.187	22.85	0.193	22.74	0.188
5	QPSK	1	12	22.67	0.185	22.77	0.189	22.51	0.178
5	QPSK	1	24	22.63	0.183	22.78	0.190	22.54	0.179
5	QPSK	12	0	21.73	0.149	21.60	0.145	21.75	0.150
5	QPSK	12	7	21.56	0.143	21.73	0.149	21.62	0.145
5	QPSK	12	13	21.52	0.142	21.66	0.147	21.54	0.143
5	QPSK	25	0	21.58	0.144	21.67	0.147	21.62	0.145
5	16QAM	1	0	21.77	0.150	21.96	0.157	21.82	0.152
5	16QAM	1	12	21.75	0.150	21.72	0.149	21.66	0.147
5	16QAM	1	24	21.58	0.144	21.64	0.146	21.60	0.145
5	16QAM	12	0	20.83	0.121	20.86	0.122	20.65	0.116
5	16QAM	12	7	20.83	0.121	20.78	0.120	20.56	0.114
5	16QAM	12	13	20.60	0.115	20.69	0.117	20.48	0.112
5	16QAM	25	0	20.48	0.112	20.50	0.112	20.64	0.116
5	64QAM	1	0	20.86	0.122	20.88	0.122	20.82	0.121
5	64QAM	1	12	20.62	0.115	20.62	0.115	20.68	0.117
5	64QAM	1	24	20.71	0.118	20.73	0.118	20.62	0.115
5	64QAM	12	0	20.04	0.101	20.13	0.103	20.09	0.102
5	64QAM	12	7	19.92	0.098	20.05	0.101	19.83	0.096
5	64QAM	12	13	19.89	0.097	19.91	0.098	19.86	0.097
5	64QAM	25	0	19.93	0.098	19.83	0.096	19.85	0.097



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23060		23095		23130	
Frequency (MHz)				704		707.5		711	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	20.24	0.106	20.33	0.108	20.31	0.107
10	QPSK	1	25	20.17	0.104	20.14	0.103	20.13	0.103
10	QPSK	1	49	20.11	0.103	20.18	0.104	20.06	0.101
10	QPSK	25	0	19.22	0.084	19.28	0.085	19.19	0.083
10	QPSK	25	12	19.16	0.082	19.08	0.081	19.17	0.083
10	QPSK	25	25	19.01	0.080	19.21	0.083	19.10	0.081
10	QPSK	50	0	19.07	0.081	19.11	0.081	19.04	0.080
10	16QAM	1	0	19.27	0.085	19.33	0.086	19.13	0.082
10	16QAM	1	25	19.31	0.085	19.07	0.081	19.07	0.081
10	16QAM	1	49	19.18	0.083	19.10	0.081	19.04	0.080
10	16QAM	25	0	18.19	0.066	18.26	0.067	18.09	0.064
10	16QAM	25	12	18.09	0.064	18.16	0.065	18.13	0.065
10	16QAM	25	25	18.04	0.064	18.02	0.063	17.96	0.063
10	16QAM	50	0	18.11	0.065	18.08	0.064	18.04	0.064
10	64QAM	1	0	18.18	0.066	18.21	0.066	18.08	0.064
10	64QAM	1	25	18.09	0.064	18.26	0.067	17.99	0.063
10	64QAM	1	49	18.18	0.066	18.01	0.063	18.06	0.064
10	64QAM	25	0	17.56	0.057	17.69	0.059	17.48	0.056
10	64QAM	25	12	17.61	0.058	17.64	0.058	17.43	0.055
10	64QAM	25	25	17.34	0.054	17.55	0.057	17.43	0.055
10	64QAM	50	0	17.36	0.054	17.33	0.054	17.46	0.056



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23035		23095		23155	
Frequency (MHz)				701.5		707.5		713.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	20.21	0.105	20.30	0.107	20.22	0.105
5	QPSK	1	12	20.19	0.104	20.26	0.106	20.17	0.104
5	QPSK	1	24	20.07	0.102	20.13	0.103	20.08	0.102
5	QPSK	12	0	19.23	0.084	19.22	0.084	19.21	0.083
5	QPSK	12	7	19.16	0.082	19.13	0.082	19.06	0.081
5	QPSK	12	13	19.11	0.081	19.10	0.081	19.02	0.080
5	QPSK	25	0	18.91	0.078	19.17	0.083	19.00	0.079
5	16QAM	1	0	19.19	0.083	19.24	0.084	19.25	0.084
5	16QAM	1	12	19.17	0.083	19.07	0.081	19.01	0.080
5	16QAM	1	24	19.03	0.080	19.18	0.083	18.97	0.079
5	16QAM	12	0	18.15	0.065	18.28	0.067	18.10	0.065
5	16QAM	12	7	18.23	0.067	18.09	0.064	18.20	0.066
5	16QAM	12	13	18.15	0.065	18.05	0.064	17.97	0.063
5	16QAM	25	0	17.96	0.063	18.17	0.066	18.04	0.064
5	64QAM	1	0	18.27	0.067	18.28	0.067	18.16	0.065
5	64QAM	1	12	18.16	0.065	18.23	0.067	18.10	0.065
5	64QAM	1	24	18.14	0.065	18.12	0.065	17.96	0.063
5	64QAM	12	0	17.67	0.058	17.74	0.059	17.37	0.055
5	64QAM	12	7	17.47	0.056	17.50	0.056	17.51	0.056
5	64QAM	12	13	17.54	0.057	17.44	0.055	17.53	0.057
5	64QAM	25	0	17.36	0.054	17.39	0.055	17.47	0.056



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23025		23095		23165	
Frequency (MHz)				700.5		707.5		714.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	20.26	0.106	20.29	0.107	20.11	0.103
3	QPSK	1	8	20.24	0.106	20.23	0.105	20.13	0.103
3	QPSK	1	14	20.07	0.102	20.07	0.102	20.02	0.100
3	QPSK	8	0	19.04	0.080	19.28	0.085	19.12	0.082
3	QPSK	8	4	19.17	0.083	19.25	0.084	19.01	0.080
3	QPSK	8	7	19.08	0.081	19.10	0.081	19.06	0.081
3	QPSK	15	0	19.04	0.080	19.07	0.081	18.94	0.078
3	16QAM	1	0	19.21	0.083	19.33	0.086	19.11	0.081
3	16QAM	1	8	19.18	0.083	19.22	0.084	19.14	0.082
3	16QAM	1	14	19.15	0.082	19.18	0.083	19.12	0.082
3	16QAM	8	0	18.14	0.065	18.31	0.068	18.24	0.067
3	16QAM	8	4	18.16	0.065	18.09	0.064	18.04	0.064
3	16QAM	8	7	18.09	0.064	18.03	0.064	17.97	0.063
3	16QAM	15	0	18.12	0.065	18.04	0.064	18.08	0.064
3	64QAM	1	0	18.21	0.066	18.31	0.068	18.27	0.067
3	64QAM	1	8	18.09	0.064	18.21	0.066	18.04	0.064
3	64QAM	1	14	18.18	0.066	18.14	0.065	18.05	0.064
3	64QAM	8	0	17.48	0.056	17.66	0.058	17.37	0.055
3	64QAM	8	4	17.39	0.055	17.51	0.056	17.44	0.055
3	64QAM	8	7	17.58	0.057	17.57	0.057	17.36	0.054
3	64QAM	15	0	17.34	0.054	17.33	0.054	17.51	0.056



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23017		23095		23173	
Frequency (MHz)				699.7		707.5		715.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	20.18	0.104	20.27	0.106	20.17	0.104
1.4	QPSK	1	3	20.10	0.102	20.16	0.104	20.17	0.104
1.4	QPSK	1	5	20.11	0.103	20.15	0.104	20.05	0.101
1.4	QPSK	3	0	19.05	0.080	19.15	0.082	19.14	0.082
1.4	QPSK	3	1	19.21	0.083	19.19	0.083	18.98	0.079
1.4	QPSK	3	3	18.90	0.078	19.09	0.081	18.89	0.077
1.4	QPSK	6	0	18.94	0.078	18.97	0.079	19.00	0.079
1.4	16QAM	1	0	19.28	0.085	19.32	0.086	19.31	0.085
1.4	16QAM	1	3	19.26	0.084	19.07	0.081	19.12	0.082
1.4	16QAM	1	5	19.04	0.080	19.06	0.081	19.08	0.081
1.4	16QAM	3	0	18.38	0.069	18.28	0.067	18.33	0.068
1.4	16QAM	3	1	18.08	0.064	18.12	0.065	18.07	0.064
1.4	16QAM	3	3	18.22	0.066	18.10	0.065	18.14	0.065
1.4	16QAM	6	0	17.97	0.063	17.99	0.063	17.99	0.063
1.4	64QAM	1	0	18.32	0.068	18.18	0.066	18.12	0.065
1.4	64QAM	1	3	18.22	0.066	18.26	0.067	18.11	0.065
1.4	64QAM	1	5	18.19	0.066	18.18	0.066	18.03	0.064
1.4	64QAM	3	0	17.53	0.057	17.52	0.056	17.51	0.056
1.4	64QAM	3	1	17.60	0.058	17.63	0.058	17.37	0.055
1.4	64QAM	3	3	17.37	0.055	17.45	0.056	17.31	0.054
1.4	64QAM	6	0	17.40	0.055	17.47	0.056	17.48	0.056



LTE Band 17				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23780		23790		23800	
Frequency (MHz)				709		710		711	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	20.35	0.108	20.38	0.109	20.23	0.105
10	QPSK	1	25	20.31	0.107	20.32	0.108	20.16	0.104
10	QPSK	1	49	20.25	0.106	20.27	0.106	20.12	0.103
10	QPSK	25	0	19.12	0.082	19.21	0.083	19.09	0.081
10	QPSK	25	12	19.06	0.081	19.17	0.083	19.02	0.080
10	QPSK	25	25	19.00	0.079	19.15	0.082	19.03	0.080
10	QPSK	50	0	19.12	0.082	19.16	0.082	19.11	0.081
10	16QAM	1	0	19.23	0.084	19.36	0.086	19.30	0.085
10	16QAM	1	25	19.23	0.084	19.24	0.084	19.16	0.082
10	16QAM	1	49	19.23	0.084	19.27	0.085	19.05	0.080
10	16QAM	25	0	18.31	0.068	18.34	0.068	18.24	0.067
10	16QAM	25	12	18.14	0.065	18.26	0.067	18.32	0.068
10	16QAM	25	25	18.28	0.067	18.23	0.067	18.13	0.065
10	16QAM	50	0	18.04	0.064	18.18	0.066	18.12	0.065
10	64QAM	1	0	18.17	0.066	18.27	0.067	18.31	0.068
10	64QAM	1	25	18.05	0.064	18.32	0.068	18.01	0.063
10	64QAM	1	49	18.09	0.064	18.16	0.065	18.10	0.065
10	64QAM	25	0	17.65	0.058	17.75	0.060	17.61	0.058
10	64QAM	25	12	17.46	0.056	17.56	0.057	17.43	0.055
10	64QAM	25	25	17.46	0.056	17.47	0.056	17.60	0.058
10	64QAM	50	0	17.56	0.057	17.41	0.055	17.53	0.057



LTE Band 17				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23755		23790		23825	
Frequency (MHz)				706.5		710		713.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	20.25	0.106	20.35	0.108	20.28	0.107
5	QPSK	1	12	20.12	0.103	20.24	0.106	20.16	0.104
5	QPSK	1	24	20.16	0.104	20.21	0.105	20.08	0.102
5	QPSK	12	0	19.13	0.082	19.21	0.083	19.10	0.081
5	QPSK	12	7	19.07	0.081	19.18	0.083	19.09	0.081
5	QPSK	12	13	19.01	0.080	18.97	0.079	18.92	0.078
5	QPSK	25	0	19.02	0.080	19.14	0.082	19.12	0.082
5	16QAM	1	0	19.26	0.084	19.29	0.085	19.42	0.087
5	16QAM	1	12	19.34	0.086	19.32	0.086	19.20	0.083
5	16QAM	1	24	19.12	0.082	19.25	0.084	19.15	0.082
5	16QAM	12	0	18.38	0.069	18.33	0.068	18.18	0.066
5	16QAM	12	7	18.15	0.065	18.24	0.067	18.13	0.065
5	16QAM	12	13	18.17	0.066	18.26	0.067	18.23	0.067
5	16QAM	25	0	18.06	0.064	17.99	0.063	18.05	0.064
5	64QAM	1	0	18.33	0.068	18.30	0.068	18.27	0.067
5	64QAM	1	12	18.21	0.066	18.31	0.068	18.17	0.066
5	64QAM	1	24	18.14	0.065	18.27	0.067	18.03	0.064
5	64QAM	12	0	17.71	0.059	17.60	0.058	17.49	0.056
5	64QAM	12	7	17.65	0.058	17.48	0.056	17.43	0.055
5	64QAM	12	13	17.62	0.058	17.47	0.056	17.39	0.055
5	64QAM	25	0	17.40	0.055	17.50	0.056	17.56	0.057



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132072		132322		132572	
Frequency (MHz)				1720		1745		1770	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	23.46	0.222	23.48	0.223	23.34	0.216
20	QPSK	1	49	23.31	0.214	23.36	0.217	23.18	0.208
20	QPSK	1	99	23.23	0.210	23.29	0.213	23.22	0.210
20	QPSK	50	0	22.24	0.167	22.27	0.169	22.21	0.166
20	QPSK	50	24	22.13	0.163	22.17	0.165	22.06	0.161
20	QPSK	50	50	21.99	0.158	22.10	0.162	22.01	0.159
20	QPSK	100	0	22.21	0.166	22.25	0.168	22.10	0.162
20	16QAM	1	0	22.40	0.174	22.43	0.175	22.25	0.168
20	16QAM	1	49	22.20	0.166	22.37	0.173	22.18	0.165
20	16QAM	1	99	22.11	0.163	22.32	0.171	22.06	0.161
20	16QAM	50	0	21.30	0.135	21.44	0.139	21.41	0.138
20	16QAM	50	24	21.28	0.134	21.32	0.136	21.34	0.136
20	16QAM	50	50	21.14	0.130	21.11	0.129	21.15	0.130
20	16QAM	100	0	21.11	0.129	21.05	0.127	21.05	0.127
20	64QAM	1	0	21.24	0.133	21.40	0.138	21.33	0.136
20	64QAM	1	49	21.12	0.129	21.34	0.136	21.11	0.129
20	64QAM	1	99	21.13	0.130	21.20	0.132	21.04	0.127
20	64QAM	50	0	20.68	0.117	20.61	0.115	20.67	0.117
20	64QAM	50	24	20.63	0.116	20.51	0.112	20.60	0.115
20	64QAM	50	50	20.50	0.112	20.55	0.114	20.54	0.113
20	64QAM	100	0	20.42	0.110	20.41	0.110	20.54	0.113



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132047		132322		132597	
Frequency (MHz)				1717.5		1745		1772.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	23.38	0.218	23.44	0.221	23.30	0.214
15	QPSK	1	37	23.25	0.211	23.40	0.219	23.26	0.212
15	QPSK	1	74	23.33	0.215	23.26	0.212	23.14	0.206
15	QPSK	36	0	22.19	0.166	22.32	0.171	22.26	0.168
15	QPSK	36	20	22.25	0.168	22.24	0.167	22.09	0.162
15	QPSK	36	39	21.99	0.158	22.02	0.159	22.13	0.163
15	QPSK	75	0	22.12	0.163	22.04	0.160	21.98	0.158
15	16QAM	1	0	22.34	0.171	22.44	0.175	22.27	0.169
15	16QAM	1	37	22.18	0.165	22.30	0.170	22.33	0.171
15	16QAM	1	74	22.18	0.165	22.08	0.161	22.15	0.164
15	16QAM	36	0	21.36	0.137	21.33	0.136	21.29	0.135
15	16QAM	36	20	21.15	0.130	21.43	0.139	21.23	0.133
15	16QAM	36	39	21.07	0.128	21.22	0.132	21.24	0.133
15	16QAM	75	0	21.11	0.129	21.08	0.128	21.14	0.130
15	64QAM	1	0	21.24	0.133	21.35	0.136	21.20	0.132
15	64QAM	1	37	21.21	0.132	21.14	0.130	21.08	0.128
15	64QAM	1	74	21.05	0.127	21.24	0.133	21.07	0.128
15	64QAM	36	0	20.69	0.117	20.67	0.117	20.52	0.113
15	64QAM	36	20	20.54	0.113	20.56	0.114	20.41	0.110
15	64QAM	36	39	20.68	0.117	20.51	0.112	20.42	0.110
15	64QAM	75	0	20.44	0.111	20.38	0.109	20.57	0.114



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132022		132322		132622	
Frequency (MHz)				1715		1745		1775	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	23.35	0.216	23.42	0.220	23.20	0.209
10	QPSK	1	25	23.22	0.210	23.40	0.219	23.26	0.212
10	QPSK	1	49	23.18	0.208	23.26	0.212	23.16	0.207
10	QPSK	25	0	22.27	0.169	22.36	0.172	22.12	0.163
10	QPSK	25	12	22.18	0.165	22.24	0.167	22.08	0.161
10	QPSK	25	25	22.03	0.160	22.13	0.163	22.05	0.160
10	QPSK	50	0	22.10	0.162	22.05	0.160	22.20	0.166
10	16QAM	1	0	22.37	0.173	22.40	0.174	22.26	0.168
10	16QAM	1	25	22.24	0.167	22.22	0.167	22.33	0.171
10	16QAM	1	49	22.26	0.168	22.08	0.161	22.08	0.161
10	16QAM	25	0	21.47	0.140	21.41	0.138	21.39	0.138
10	16QAM	25	12	21.17	0.131	21.26	0.134	21.27	0.134
10	16QAM	25	25	21.25	0.133	21.29	0.135	21.15	0.130
10	16QAM	50	0	21.22	0.132	21.20	0.132	21.00	0.126
10	64QAM	1	0	21.26	0.134	21.30	0.135	21.13	0.130
10	64QAM	1	25	21.13	0.130	21.17	0.131	21.04	0.127
10	64QAM	1	49	21.28	0.134	21.27	0.134	21.03	0.127
10	64QAM	25	0	20.64	0.116	20.66	0.116	20.59	0.115
10	64QAM	25	12	20.50	0.112	20.54	0.113	20.57	0.114
10	64QAM	25	25	20.44	0.111	20.57	0.114	20.55	0.114
10	64QAM	50	0	20.53	0.113	20.44	0.111	20.49	0.112



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131997		132322		132647	
Frequency (MHz)				1712.5		1745		1777.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	23.23	0.210	23.39	0.218	23.25	0.211
5	QPSK	1	12	23.29	0.213	23.34	0.216	23.14	0.206
5	QPSK	1	24	23.24	0.211	23.15	0.207	23.07	0.203
5	QPSK	12	0	22.32	0.171	22.20	0.166	22.29	0.169
5	QPSK	12	7	22.28	0.169	22.28	0.169	22.11	0.163
5	QPSK	12	13	22.01	0.159	22.03	0.160	22.12	0.163
5	QPSK	25	0	22.06	0.161	22.26	0.168	21.97	0.157
5	16QAM	1	0	22.44	0.175	22.47	0.177	22.34	0.171
5	16QAM	1	12	22.17	0.165	22.27	0.169	22.34	0.171
5	16QAM	1	24	22.18	0.165	22.15	0.164	22.18	0.165
5	16QAM	12	0	21.34	0.136	21.45	0.140	21.39	0.138
5	16QAM	12	7	21.31	0.135	21.41	0.138	21.28	0.134
5	16QAM	12	13	21.12	0.129	21.31	0.135	21.14	0.130
5	16QAM	25	0	21.07	0.128	21.15	0.130	21.19	0.132
5	64QAM	1	0	21.36	0.137	21.39	0.138	21.26	0.134
5	64QAM	1	12	21.20	0.132	21.35	0.136	21.09	0.129
5	64QAM	1	24	21.07	0.128	21.22	0.132	21.03	0.127
5	64QAM	12	0	20.58	0.114	20.81	0.121	20.65	0.116
5	64QAM	12	7	20.49	0.112	20.72	0.118	20.45	0.111
5	64QAM	12	13	20.62	0.115	20.49	0.112	20.46	0.111
5	64QAM	25	0	20.38	0.109	20.43	0.110	20.44	0.111



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131987		132322		132657	
Frequency (MHz)				1711.5		1745		1778.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	23.36	0.217	23.41	0.219	23.35	0.216
3	QPSK	1	8	23.29	0.213	23.35	0.216	23.19	0.208
3	QPSK	1	14	23.27	0.212	23.24	0.211	23.07	0.203
3	QPSK	8	0	22.27	0.169	22.20	0.166	22.11	0.163
3	QPSK	8	4	22.26	0.168	22.20	0.166	22.20	0.166
3	QPSK	8	7	22.11	0.163	22.07	0.161	21.89	0.155
3	QPSK	15	0	22.23	0.167	22.03	0.160	21.96	0.157
3	16QAM	1	0	22.46	0.176	22.38	0.173	22.20	0.166
3	16QAM	1	8	22.31	0.170	22.40	0.174	22.15	0.164
3	16QAM	1	14	22.13	0.163	22.08	0.161	22.23	0.167
3	16QAM	8	0	21.26	0.134	21.44	0.139	21.39	0.138
3	16QAM	8	4	21.31	0.135	21.34	0.136	21.19	0.132
3	16QAM	8	7	21.11	0.129	21.18	0.131	21.18	0.131
3	16QAM	15	0	21.25	0.133	21.15	0.130	21.05	0.127
3	64QAM	1	0	21.24	0.133	21.42	0.139	21.38	0.137
3	64QAM	1	8	21.15	0.130	21.20	0.132	21.17	0.131
3	64QAM	1	14	21.07	0.128	21.28	0.134	21.17	0.131
3	64QAM	8	0	20.68	0.117	20.74	0.119	20.66	0.116
3	64QAM	8	4	20.63	0.116	20.60	0.115	20.61	0.115
3	64QAM	8	7	20.51	0.112	20.67	0.117	20.60	0.115
3	64QAM	15	0	20.56	0.114	20.45	0.111	20.40	0.110



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131979		132322		132665	
Frequency (MHz)				1710.7		1745		1779.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	23.30	0.214	23.40	0.219	23.31	0.214
1.4	QPSK	1	3	23.15	0.207	23.22	0.210	23.04	0.201
1.4	QPSK	1	5	23.14	0.206	23.18	0.208	23.14	0.206
1.4	QPSK	3	0	22.24	0.167	22.36	0.172	22.25	0.168
1.4	QPSK	3	1	22.13	0.163	22.35	0.172	22.21	0.166
1.4	QPSK	3	3	22.11	0.163	22.15	0.164	22.12	0.163
1.4	QPSK	6	0	22.01	0.159	22.12	0.163	21.96	0.157
1.4	16QAM	1	0	22.45	0.176	22.46	0.176	22.37	0.173
1.4	16QAM	1	3	22.37	0.173	22.21	0.166	22.35	0.172
1.4	16QAM	1	5	22.04	0.160	22.19	0.166	22.05	0.160
1.4	16QAM	3	0	21.30	0.135	21.37	0.137	21.40	0.138
1.4	16QAM	3	1	21.21	0.132	21.39	0.138	21.17	0.131
1.4	16QAM	3	3	21.18	0.131	21.27	0.134	21.26	0.134
1.4	16QAM	6	0	21.09	0.129	21.16	0.131	21.17	0.131
1.4	64QAM	1	0	21.33	0.136	21.40	0.138	21.37	0.137
1.4	64QAM	1	3	21.24	0.133	21.38	0.137	21.15	0.130
1.4	64QAM	1	5	21.17	0.131	21.23	0.133	21.01	0.126
1.4	64QAM	3	0	20.53	0.113	20.64	0.116	20.48	0.112
1.4	64QAM	3	1	20.54	0.113	20.70	0.117	20.39	0.109
1.4	64QAM	3	3	20.68	0.117	20.57	0.114	20.52	0.113
1.4	64QAM	6	0	20.45	0.111	20.48	0.112	20.56	0.114



LTE Band 71				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133222		133322		133372	
Frequency (MHz)				673		683		688	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	19.17	0.083	19.22	0.084	19.14	0.082
20	QPSK	1	49	19.04	0.080	19.09	0.081	19.03	0.080
20	QPSK	1	99	19.02	0.080	19.11	0.081	18.99	0.079
20	QPSK	50	0	18.05	0.064	18.11	0.065	18.08	0.064
20	QPSK	50	24	18.03	0.064	18.07	0.064	18.07	0.064
20	QPSK	50	50	18.01	0.063	18.03	0.064	18.02	0.063
20	QPSK	100	0	18.03	0.064	18.04	0.064	18.00	0.063
20	16QAM	1	0	18.26	0.067	18.32	0.068	18.24	0.067
20	16QAM	1	49	18.02	0.063	18.20	0.066	18.04	0.064
20	16QAM	1	99	18.02	0.063	18.13	0.065	18.01	0.063
20	16QAM	50	0	17.12	0.052	17.28	0.053	17.07	0.051
20	16QAM	50	24	17.19	0.052	17.18	0.052	17.15	0.052
20	16QAM	50	50	17.03	0.050	17.01	0.050	17.04	0.051
20	16QAM	100	0	17.08	0.051	16.93	0.049	17.07	0.051
20	64QAM	1	0	17.21	0.053	17.27	0.053	17.08	0.051
20	64QAM	1	49	17.00	0.050	17.06	0.051	17.06	0.051
20	64QAM	1	99	17.01	0.050	17.17	0.052	17.02	0.050
20	64QAM	50	0	16.41	0.044	16.67	0.046	16.55	0.045
20	64QAM	50	24	16.35	0.043	16.40	0.044	16.47	0.044
20	64QAM	50	50	16.38	0.043	16.33	0.043	16.38	0.043
20	64QAM	100	0	16.37	0.043	16.19	0.042	16.46	0.044



LTE Band 71				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133197		133297		133397	
Frequency (MHz)				670.5		680.5		690.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	19.14	0.082	19.18	0.083	19.13	0.082
15	QPSK	1	37	19.10	0.081	19.11	0.081	19.00	0.079
15	QPSK	1	74	19.02	0.080	19.09	0.081	19.01	0.080
15	QPSK	36	0	18.08	0.064	18.17	0.066	18.05	0.064
15	QPSK	36	20	18.06	0.064	18.15	0.065	17.99	0.063
15	QPSK	36	39	18.04	0.064	18.06	0.064	18.02	0.063
15	QPSK	75	0	17.99	0.063	18.04	0.064	17.99	0.063
15	16QAM	1	0	18.18	0.066	18.25	0.067	18.23	0.067
15	16QAM	1	37	18.05	0.064	18.22	0.066	18.09	0.064
15	16QAM	1	74	18.04	0.064	18.07	0.064	18.00	0.063
15	16QAM	36	0	17.33	0.054	17.38	0.055	17.20	0.052
15	16QAM	36	20	17.18	0.052	17.06	0.051	17.11	0.051
15	16QAM	36	39	17.00	0.050	17.06	0.051	17.09	0.051
15	16QAM	75	0	16.93	0.049	17.03	0.050	16.94	0.049
15	64QAM	1	0	17.22	0.053	17.13	0.052	17.07	0.051
15	64QAM	1	37	17.06	0.051	17.07	0.051	17.02	0.050
15	64QAM	1	74	17.04	0.051	17.01	0.050	17.04	0.051
15	64QAM	36	0	16.38	0.043	16.67	0.046	16.51	0.045
15	64QAM	36	20	16.43	0.044	16.38	0.043	16.43	0.044
15	64QAM	36	39	16.49	0.045	16.53	0.045	16.40	0.044
15	64QAM	75	0	16.32	0.043	16.33	0.043	16.45	0.044



LTE Band 71				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133172		133297		133422	
Frequency (MHz)				668		680.5		693	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	19.14	0.082	19.16	0.082	19.09	0.081
10	QPSK	1	25	19.08	0.081	19.14	0.082	19.03	0.080
10	QPSK	1	49	19.09	0.081	19.07	0.081	19.07	0.081
10	QPSK	25	0	18.07	0.064	18.20	0.066	18.17	0.066
10	QPSK	25	12	18.12	0.065	18.14	0.065	17.96	0.063
10	QPSK	25	25	18.05	0.064	17.97	0.063	18.03	0.064
10	QPSK	50	0	18.09	0.064	18.03	0.064	17.99	0.063
10	16QAM	1	0	18.28	0.067	18.22	0.066	18.29	0.067
10	16QAM	1	25	18.15	0.065	18.15	0.065	17.96	0.063
10	16QAM	1	49	17.99	0.063	18.07	0.064	18.05	0.064
10	16QAM	25	0	17.13	0.052	17.20	0.052	17.16	0.052
10	16QAM	25	12	17.03	0.050	17.07	0.051	17.05	0.051
10	16QAM	25	25	17.07	0.051	17.18	0.052	16.99	0.050
10	16QAM	50	0	17.09	0.051	16.99	0.050	17.02	0.050
10	64QAM	1	0	17.09	0.051	17.20	0.052	17.24	0.053
10	64QAM	1	25	17.09	0.051	17.03	0.050	17.01	0.050
10	64QAM	1	49	17.02	0.050	17.03	0.050	17.07	0.051
10	64QAM	25	0	16.42	0.044	16.60	0.046	16.42	0.044
10	64QAM	25	12	16.58	0.045	16.47	0.044	16.42	0.044
10	64QAM	25	25	16.40	0.044	16.53	0.045	16.27	0.042
10	64QAM	50	0	16.42	0.044	16.37	0.043	16.29	0.043



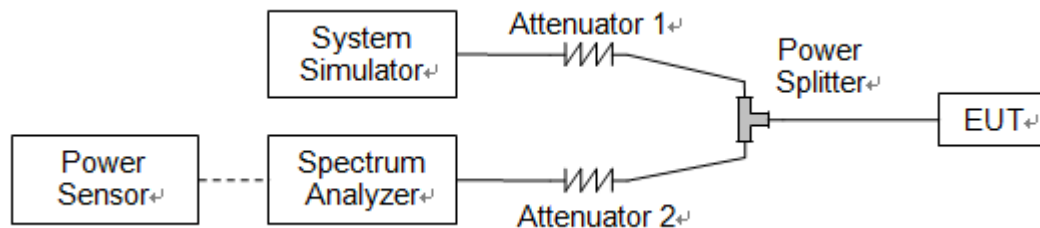
LTE Band 71				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133147		133297		133447	
Frequency (MHz)				665.5		680.5		695.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	19.13	0.082	19.17	0.083	19.15	0.082
5	QPSK	1	12	19.02	0.080	19.09	0.081	19.11	0.081
5	QPSK	1	24	19.09	0.081	19.12	0.082	18.99	0.079
5	QPSK	12	0	18.06	0.064	18.22	0.066	17.96	0.063
5	QPSK	12	7	18.12	0.065	18.02	0.063	17.95	0.062
5	QPSK	12	13	18.07	0.064	17.92	0.062	17.98	0.063
5	QPSK	25	0	17.92	0.062	17.98	0.063	17.99	0.063
5	16QAM	1	0	18.19	0.066	18.30	0.068	18.18	0.066
5	16QAM	1	12	18.04	0.064	18.14	0.065	17.97	0.063
5	16QAM	1	24	18.05	0.064	18.08	0.064	17.93	0.062
5	16QAM	12	0	17.16	0.052	17.34	0.054	17.23	0.053
5	16QAM	12	7	17.01	0.050	17.17	0.052	17.05	0.051
5	16QAM	12	13	17.06	0.051	16.96	0.050	17.14	0.052
5	16QAM	25	0	16.96	0.050	17.03	0.050	16.98	0.050
5	64QAM	1	0	17.20	0.052	17.13	0.052	17.04	0.051
5	64QAM	1	12	17.04	0.051	17.19	0.052	16.95	0.050
5	64QAM	1	24	17.13	0.052	16.99	0.050	16.97	0.050
5	64QAM	12	0	16.51	0.045	16.64	0.046	16.34	0.043
5	64QAM	12	7	16.56	0.045	16.49	0.045	16.32	0.043
5	64QAM	12	13	16.36	0.043	16.45	0.044	16.48	0.044
5	64QAM	25	0	16.24	0.042	16.31	0.043	16.47	0.044

2.2. Occupied Bandwidth

2.2.1. Requirement

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

2.2.2. Test Description



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

2.2.3. Test Procedure

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



2.2.4. Test Result

LTE Band	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	99% BW (MHz)	26dB BW (MHz)	Verdict
B2	1.4	Low	18607	1850.7	QPSK	1.0962	1.2457	PASS
B2	1.4	Low	18607	1850.7	16QAM	1.0980	1.2466	PASS
B2	1.4	Low	18607	1850.7	64QAM	1.1025	1.2457	PASS
B2	1.4	Mid	18900	1880	QPSK	1.1003	1.2477	PASS
B2	1.4	Mid	18900	1880	16QAM	1.0991	1.5565	PASS
B2	1.4	Mid	18900	1880	64QAM	1.1113	1.2824	PASS
B2	1.4	High	19193	1909.3	QPSK	1.0962	1.2395	PASS
B2	1.4	High	19193	1909.3	16QAM	1.0983	1.2547	PASS
B2	1.4	High	19193	1909.3	64QAM	1.1058	1.2539	PASS
B2	3	Low	18615	1851.5	QPSK	2.7159	3.0424	PASS
B2	3	Low	18615	1851.5	16QAM	2.7215	3.0700	PASS
B2	3	Low	18615	1851.5	64QAM	2.7115	3.0264	PASS
B2	3	Mid	18900	1880	QPSK	2.7187	3.0675	PASS
B2	3	Mid	18900	1880	16QAM	2.7165	3.0681	PASS
B2	3	Mid	18900	1880	64QAM	2.7215	3.8057	PASS
B2	3	High	19185	1908.5	QPSK	2.7138	3.0512	PASS
B2	3	High	19185	1908.5	16QAM	2.7139	4.0405	PASS
B2	3	High	19185	1908.5	64QAM	2.7115	3.0417	PASS
B2	5	Low	18625	1852.5	QPSK	4.4855	4.9300	PASS
B2	5	Low	18625	1852.5	16QAM	4.4876	4.9707	PASS
B2	5	Low	18625	1852.5	64QAM	4.4936	4.9206	PASS
B2	5	Mid	18900	1880	QPSK	4.4872	4.9304	PASS
B2	5	Mid	18900	1880	16QAM	4.4928	4.9451	PASS
B2	5	Mid	18900	1880	64QAM	4.4909	4.9322	PASS
B2	5	High	19175	1907.5	QPSK	4.4880	4.9269	PASS
B2	5	High	19175	1907.5	16QAM	4.4802	4.9488	PASS
B2	5	High	19175	1907.5	64QAM	4.4961	4.9422	PASS
B2	10	Low	18650	1855	QPSK	8.9737	9.8653	PASS
B2	10	Low	18650	1855	16QAM	8.9545	9.8042	PASS
B2	10	Low	18650	1855	64QAM	8.9707	9.9018	PASS
B2	10	Mid	18900	1880	QPSK	9.0002	9.8515	PASS
B2	10	Mid	18900	1880	16QAM	8.9598	9.8164	PASS
B2	10	Mid	18900	1880	64QAM	8.9707	9.8765	PASS



REPORT No.: SZ24100313W06

B2	10	High	19150	1905	QPSK	8.9708	9.8395	PASS
B2	10	High	19150	1905	16QAM	8.9490	9.8096	PASS
B2	10	High	19150	1905	64QAM	8.9900	9.8954	PASS
B2	15	Low	18675	1857.5	QPSK	13.432	14.672	PASS
B2	15	Low	18675	1857.5	16QAM	13.445	14.871	PASS
B2	15	Low	18675	1857.5	64QAM	13.449	14.824	PASS
B2	15	Mid	18900	1880	QPSK	13.448	14.784	PASS
B2	15	Mid	18900	1880	16QAM	13.458	14.879	PASS
B2	15	Mid	18900	1880	64QAM	13.408	14.808	PASS
B2	15	High	19125	1902.5	QPSK	13.456	14.848	PASS
B2	15	High	19125	1902.5	16QAM	13.463	14.919	PASS
B2	15	High	19125	1902.5	64QAM	13.450	14.892	PASS
B2	20	Low	18700	1860	QPSK	17.918	19.688	PASS
B2	20	Low	18700	1860	16QAM	17.962	19.670	PASS
B2	20	Low	18700	1860	64QAM	17.941	19.484	PASS
B2	20	Mid	18900	1880	QPSK	17.949	19.608	PASS
B2	20	Mid	18900	1880	16QAM	17.957	19.775	PASS
B2	20	Mid	18900	1880	64QAM	17.957	19.666	PASS
B2	20	High	19100	1900	QPSK	17.935	19.587	PASS
B2	20	High	19100	1900	16QAM	17.961	19.697	PASS
B2	20	High	19100	1900	64QAM	17.954	19.556	PASS



LTE Band	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	99% BW (MHz)	26dB BW (MHz)	Verdict
B4	1.4	Low	19957	1710.7	QPSK	1.0952	1.2427	PASS
B4	1.4	Low	19957	1710.7	16QAM	1.0987	1.2428	PASS
B4	1.4	Low	19957	1710.7	64QAM	1.1073	1.2689	PASS
B4	1.4	Mid	20175	1732.5	QPSK	1.0979	1.2457	PASS
B4	1.4	Mid	20175	1732.5	16QAM	1.0948	1.2537	PASS
B4	1.4	Mid	20175	1732.5	64QAM	1.0996	1.2497	PASS
B4	1.4	High	20393	1754.3	QPSK	1.0976	1.2464	PASS
B4	1.4	High	20393	1754.3	16QAM	1.0971	1.2513	PASS
B4	1.4	High	20393	1754.3	64QAM	1.1063	1.2503	PASS
B4	3	Low	19965	1711.5	QPSK	2.7166	3.0633	PASS
B4	3	Low	19965	1711.5	16QAM	2.7110	3.0521	PASS
B4	3	Low	19965	1711.5	64QAM	2.7072	3.0291	PASS
B4	3	Mid	20175	1732.5	QPSK	2.7141	3.0537	PASS
B4	3	Mid	20175	1732.5	16QAM	2.7108	3.0323	PASS
B4	3	Mid	20175	1732.5	64QAM	2.7111	3.0470	PASS
B4	3	High	20385	1753.5	QPSK	2.7123	3.0521	PASS
B4	3	High	20385	1753.5	16QAM	2.7102	3.0400	PASS
B4	3	High	20385	1753.5	64QAM	2.7110	3.0339	PASS
B4	5	Low	19975	1712.5	QPSK	4.4778	4.9249	PASS
B4	5	Low	19975	1712.5	16QAM	4.4778	4.9404	PASS
B4	5	Low	19975	1712.5	64QAM	4.4846	4.9408	PASS
B4	5	Mid	20175	1732.5	QPSK	4.4767	4.9397	PASS
B4	5	Mid	20175	1732.5	16QAM	4.4896	4.9384	PASS
B4	5	Mid	20175	1732.5	64QAM	4.4899	4.9680	PASS
B4	5	High	20375	1752.5	QPSK	4.4878	4.9295	PASS
B4	5	High	20375	1752.5	16QAM	4.4888	4.9103	PASS
B4	5	High	20375	1752.5	64QAM	4.4853	4.9541	PASS
B4	10	Low	20000	1715	QPSK	8.9920	9.8568	PASS
B4	10	Low	20000	1715	16QAM	8.9394	9.8351	PASS
B4	10	Low	20000	1715	64QAM	8.9883	9.8532	PASS
B4	10	Mid	20175	1732.5	QPSK	8.9831	9.7661	PASS
B4	10	Mid	20175	1732.5	16QAM	8.9455	9.7913	PASS
B4	10	Mid	20175	1732.5	64QAM	8.9507	9.9205	PASS
B4	10	High	20350	1750	QPSK	8.9698	9.7227	PASS
B4	10	High	20350	1750	16QAM	8.9628	9.7800	PASS



REPORT No.: SZ24100313W06

B4	10	High	20350	1750	64QAM	8.9788	9.8961	PASS
B4	15	Low	20025	1717.5	QPSK	13.430	14.850	PASS
B4	15	Low	20025	1717.5	16QAM	13.447	14.819	PASS
B4	15	Low	20025	1717.5	64QAM	13.444	14.820	PASS
B4	15	Mid	20175	1732.5	QPSK	13.460	14.785	PASS
B4	15	Mid	20175	1732.5	16QAM	13.454	14.760	PASS
B4	15	Mid	20175	1732.5	64QAM	13.453	14.793	PASS
B4	15	High	20325	1747.5	QPSK	13.438	14.692	PASS
B4	15	High	20325	1747.5	16QAM	13.454	14.894	PASS
B4	15	High	20325	1747.5	64QAM	13.422	14.734	PASS
B4	20	Low	20050	1720	QPSK	17.914	19.523	PASS
B4	20	Low	20050	1720	16QAM	17.943	19.649	PASS
B4	20	Low	20050	1720	64QAM	17.910	19.557	PASS
B4	20	Mid	20175	1732.5	QPSK	17.942	19.557	PASS
B4	20	Mid	20175	1732.5	16QAM	17.953	19.554	PASS
B4	20	Mid	20175	1732.5	64QAM	17.940	19.607	PASS
B4	20	High	20300	1745	QPSK	17.911	19.606	PASS
B4	20	High	20300	1745	16QAM	17.953	19.669	PASS
B4	20	High	20300	1745	64QAM	17.933	19.578	PASS



LTE Band	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	99% BW (MHz)	26dB BW (MHz)	Verdict
B5	1.4	Low	20407	824.7	QPSK	1.0968	1.2373	PASS
B5	1.4	Low	20407	824.7	16QAM	1.0965	1.2479	PASS
B5	1.4	Low	20407	824.7	64QAM	1.1020	1.2497	PASS
B5	1.4	Mid	20525	836.5	QPSK	1.0965	1.2449	PASS
B5	1.4	Mid	20525	836.5	16QAM	1.0939	1.2410	PASS
B5	1.4	Mid	20525	836.5	64QAM	1.1008	1.2406	PASS
B5	1.4	High	20643	848.3	QPSK	1.0983	1.2427	PASS
B5	1.4	High	20643	848.3	16QAM	1.0957	1.2515	PASS
B5	1.4	High	20643	848.3	64QAM	1.1013	1.2529	PASS
B5	3	Low	20415	825.5	QPSK	2.7184	3.0328	PASS
B5	3	Low	20415	825.5	16QAM	2.7083	3.0466	PASS
B5	3	Low	20415	825.5	64QAM	2.7090	3.0380	PASS
B5	3	Mid	20525	836.5	QPSK	2.7250	3.0583	PASS
B5	3	Mid	20525	836.5	16QAM	2.7202	3.0434	PASS
B5	3	Mid	20525	836.5	64QAM	2.7121	3.0156	PASS
B5	3	High	20635	847.5	QPSK	2.7148	3.0424	PASS
B5	3	High	20635	847.5	16QAM	2.7174	3.0590	PASS
B5	3	High	20635	847.5	64QAM	2.7076	3.0340	PASS
B5	5	Low	20425	826.5	QPSK	4.4836	4.9293	PASS
B5	5	Low	20425	826.5	16QAM	4.4859	4.9376	PASS
B5	5	Low	20425	826.5	64QAM	4.4886	4.9241	PASS
B5	5	Mid	20525	836.5	QPSK	4.4856	4.9205	PASS
B5	5	Mid	20525	836.5	16QAM	4.4847	4.9517	PASS
B5	5	Mid	20525	836.5	64QAM	4.4876	4.9352	PASS
B5	5	High	20625	846.5	QPSK	4.4775	4.9182	PASS
B5	5	High	20625	846.5	16QAM	4.4795	4.9396	PASS
B5	5	High	20625	846.5	64QAM	4.4863	4.9310	PASS
B5	10	Low	20450	829	QPSK	8.9781	9.8389	PASS
B5	10	Low	20450	829	16QAM	8.9428	9.7092	PASS
B5	10	Low	20450	829	64QAM	8.9890	9.9134	PASS
B5	10	Mid	20525	836.5	QPSK	8.9669	9.8506	PASS
B5	10	Mid	20525	836.5	16QAM	8.9417	9.7608	PASS
B5	10	Mid	20525	836.5	64QAM	8.9699	9.8636	PASS
B5	10	High	20600	844	QPSK	8.9813	9.8612	PASS
B5	10	High	20600	844	16QAM	8.9410	9.7684	PASS



REPORT No.: SZ24100313W06

B5	10	High	20600	844	64QAM	8.9647	9.8000	PASS
----	----	------	-------	-----	-------	--------	--------	------

LTE Band	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	99% BW (MHz)	26dB BW (MHz)	Verdict
B7	5	Low	20775	2502.5	QPSK	4.4882	4.8984	PASS
B7	5	Low	20775	2502.5	16QAM	4.4813	4.9274	PASS
B7	5	Low	20775	2502.5	64QAM	4.4877	4.9528	PASS
B7	5	Mid	21100	2535	QPSK	4.4863	4.9431	PASS
B7	5	Mid	21100	2535	16QAM	4.4765	4.9460	PASS
B7	5	Mid	21100	2535	64QAM	4.4862	4.9372	PASS
B7	5	High	21425	2567.5	QPSK	4.4763	4.9188	PASS
B7	5	High	21425	2567.5	16QAM	4.4834	4.9249	PASS
B7	5	High	21425	2567.5	64QAM	4.4858	4.9314	PASS
B7	10	Low	20800	2505	QPSK	8.9742	9.8180	PASS
B7	10	Low	20800	2505	16QAM	8.9472	9.7209	PASS
B7	10	Low	20800	2505	64QAM	8.9763	9.9125	PASS
B7	10	Mid	21100	2535	QPSK	8.9764	9.7597	PASS
B7	10	Mid	21100	2535	16QAM	8.9434	9.8141	PASS
B7	10	Mid	21100	2535	64QAM	8.9786	9.8587	PASS
B7	10	High	21400	2565	QPSK	9.0056	9.8381	PASS
B7	10	High	21400	2565	16QAM	8.9582	9.7883	PASS
B7	10	High	21400	2565	64QAM	8.9793	9.8460	PASS
B7	15	Low	20825	2507.5	QPSK	13.446	14.789	PASS
B7	15	Low	20825	2507.5	16QAM	13.465	14.866	PASS
B7	15	Low	20825	2507.5	64QAM	13.427	14.861	PASS
B7	15	Mid	21100	2535	QPSK	13.443	14.834	PASS
B7	15	Mid	21100	2535	16QAM	13.459	14.881	PASS
B7	15	Mid	21100	2535	64QAM	13.426	14.766	PASS
B7	15	High	21375	2562.5	QPSK	13.451	14.816	PASS
B7	15	High	21375	2562.5	16QAM	13.442	14.872	PASS
B7	15	High	21375	2562.5	64QAM	13.415	14.796	PASS
B7	20	Low	20850	2510	QPSK	17.922	19.635	PASS
B7	20	Low	20850	2510	16QAM	17.963	19.534	PASS
B7	20	Low	20850	2510	64QAM	17.933	19.743	PASS
B7	20	Mid	21100	2535	QPSK	17.939	19.651	PASS
B7	20	Mid	21100	2535	16QAM	17.960	19.625	PASS
B7	20	Mid	21100	2535	64QAM	17.939	19.673	PASS



REPORT No.: SZ24100313W06

B7	20	High	21350	2560	QPSK	17.915	19.613	PASS
B7	20	High	21350	2560	16QAM	17.962	19.630	PASS
B7	20	High	21350	2560	64QAM	17.926	19.527	PASS



LTE Band	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	99% BW (MHz)	26dB BW (MHz)	Verdict
B12	1.4	Low	23017	699.7	QPSK	1.0909	1.2427	PASS
B12	1.4	Low	23017	699.7	16QAM	1.1011	1.2498	PASS
B12	1.4	Low	23017	699.7	64QAM	1.1057	1.2511	PASS
B12	1.4	Mid	23095	707.5	QPSK	1.0935	1.2390	PASS
B12	1.4	Mid	23095	707.5	16QAM	1.0946	1.2411	PASS
B12	1.4	Mid	23095	707.5	64QAM	1.1036	1.2474	PASS
B12	1.4	High	23173	715.3	QPSK	1.0974	1.2423	PASS
B12	1.4	High	23173	715.3	16QAM	1.0967	1.2467	PASS
B12	1.4	High	23173	715.3	64QAM	1.1044	1.2449	PASS
B12	3	Low	23025	700.5	QPSK	2.7134	3.0678	PASS
B12	3	Low	23025	700.5	16QAM	2.7114	3.0638	PASS
B12	3	Low	23025	700.5	64QAM	2.7022	3.0588	PASS
B12	3	Mid	23095	707.5	QPSK	2.7129	3.0408	PASS
B12	3	Mid	23095	707.5	16QAM	2.7100	3.0533	PASS
B12	3	Mid	23095	707.5	64QAM	2.7131	3.0357	PASS
B12	3	High	23165	714.5	QPSK	2.7105	3.0433	PASS
B12	3	High	23165	714.5	16QAM	2.7104	3.0331	PASS
B12	3	High	23165	714.5	64QAM	2.7124	3.0456	PASS
B12	5	Low	23035	701.5	QPSK	4.4864	4.9377	PASS
B12	5	Low	23035	701.5	16QAM	4.4858	4.9609	PASS
B12	5	Low	23035	701.5	64QAM	4.4913	4.9221	PASS
B12	5	Mid	23095	707.5	QPSK	4.4824	4.9455	PASS
B12	5	Mid	23095	707.5	16QAM	4.4863	4.9154	PASS
B12	5	Mid	23095	707.5	64QAM	4.4910	4.9561	PASS
B12	5	High	23155	713.5	QPSK	4.4808	4.8976	PASS
B12	5	High	23155	713.5	16QAM	4.4778	4.9411	PASS
B12	5	High	23155	713.5	64QAM	4.4882	4.9385	PASS
B12	10	Low	23060	704	QPSK	8.9959	9.8351	PASS
B12	10	Low	23060	704	16QAM	8.9714	9.7502	PASS
B12	10	Low	23060	704	64QAM	8.9922	9.9277	PASS
B12	10	Mid	23095	707.5	QPSK	8.9801	9.8144	PASS
B12	10	Mid	23095	707.5	16QAM	8.9610	9.7586	PASS
B12	10	Mid	23095	707.5	64QAM	8.9692	9.8665	PASS
B12	10	High	23130	711	QPSK	8.9579	9.7556	PASS
B12	10	High	23130	711	16QAM	8.9344	9.7241	PASS



B12	10	High	23130	711	64QAM	8.9638	9.8316	PASS
-----	----	------	-------	-----	-------	--------	--------	------

LTE Band	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	99% BW (MHz)	26dB BW (MHz)	Verdict
B17	5	Low	23755	706.5	QPSK	4.4879	4.9387	PASS
B17	5	Low	23755	706.5	16QAM	4.4862	4.9262	PASS
B17	5	Low	23755	706.5	64QAM	4.4941	4.9540	PASS
B17	5	Mid	23790	710	QPSK	4.4809	4.9134	PASS
B17	5	Mid	23790	710	16QAM	4.4754	4.9343	PASS
B17	5	Mid	23790	710	64QAM	4.4916	4.9300	PASS
B17	5	High	23825	713.5	QPSK	4.4844	4.9166	PASS
B17	5	High	23825	713.5	16QAM	4.4825	4.9572	PASS
B17	5	High	23825	713.5	64QAM	4.4880	4.9021	PASS
B17	10	Low	23780	709	QPSK	8.9853	9.8562	PASS
B17	10	Low	23780	709	16QAM	8.9431	9.7606	PASS
B17	10	Low	23780	709	64QAM	8.9817	9.8590	PASS
B17	10	Mid	23790	710	QPSK	8.9715	9.7696	PASS
B17	10	Mid	23790	710	16QAM	8.9442	9.7034	PASS
B17	10	Mid	23790	710	64QAM	8.9622	9.8052	PASS
B17	10	High	23800	711	QPSK	8.9775	9.8234	PASS
B17	10	High	23800	711	16QAM	8.9398	9.7421	PASS
B17	10	High	23800	711	64QAM	8.9587	9.8483	PASS



LTE Band	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	99% BW (MHz)	26dB BW (MHz)	Verdict
B66	1.4	Low	131979	1710.7	QPSK	1.0973	1.2511	PASS
B66	1.4	Low	131979	1710.7	16QAM	1.1008	1.2487	PASS
B66	1.4	Low	131979	1710.7	64QAM	1.1035	1.2526	PASS
B66	1.4	Mid	132322	1745	QPSK	1.0966	1.2426	PASS
B66	1.4	Mid	132322	1745	16QAM	1.0975	1.2501	PASS
B66	1.4	Mid	132322	1745	64QAM	1.1053	1.2492	PASS
B66	1.4	High	132665	1779.3	QPSK	1.0989	1.2462	PASS
B66	1.4	High	132665	1779.3	16QAM	1.1002	1.2555	PASS
B66	1.4	High	132665	1779.3	64QAM	1.1011	1.2492	PASS
B66	3	Low	131987	1711.5	QPSK	2.7093	3.0504	PASS
B66	3	Low	131987	1711.5	16QAM	2.7176	3.0378	PASS
B66	3	Low	131987	1711.5	64QAM	2.7085	3.0387	PASS
B66	3	Mid	132322	1745	QPSK	2.7127	3.0461	PASS
B66	3	Mid	132322	1745	16QAM	2.7187	3.0472	PASS
B66	3	Mid	132322	1745	64QAM	2.7081	3.0542	PASS
B66	3	High	132657	1778.5	QPSK	2.7091	3.0428	PASS
B66	3	High	132657	1778.5	16QAM	2.7073	3.0539	PASS
B66	3	High	132657	1778.5	64QAM	2.7113	3.0533	PASS
B66	5	Low	131997	1712.5	QPSK	4.4843	4.9281	PASS
B66	5	Low	131997	1712.5	16QAM	4.4860	4.9440	PASS
B66	5	Low	131997	1712.5	64QAM	4.4823	4.9176	PASS
B66	5	Mid	132322	1745	QPSK	4.4782	4.9437	PASS
B66	5	Mid	132322	1745	16QAM	4.4852	4.9505	PASS
B66	5	Mid	132322	1745	64QAM	4.4872	4.9469	PASS
B66	5	High	132647	1777.5	QPSK	4.4803	4.9431	PASS
B66	5	High	132647	1777.5	16QAM	4.4905	4.9159	PASS
B66	5	High	132647	1777.5	64QAM	4.4897	4.9352	PASS
B66	10	Low	132022	1715	QPSK	8.9666	9.7898	PASS
B66	10	Low	132022	1715	16QAM	8.9341	9.7253	PASS
B66	10	Low	132022	1715	64QAM	8.9681	9.8096	PASS
B66	10	Mid	132322	1745	QPSK	8.9786	9.8594	PASS
B66	10	Mid	132322	1745	16QAM	8.9555	9.7280	PASS
B66	10	Mid	132322	1745	64QAM	8.9744	9.8747	PASS
B66	10	High	132622	1775	QPSK	8.9746	9.8269	PASS
B66	10	High	132622	1775	16QAM	8.9508	9.7535	PASS



REPORT No.: SZ24100313W06

B66	10	High	132622	1775	64QAM	8.9831	9.8715	PASS
B66	15	Low	132047	1717.5	QPSK	13.437	14.715	PASS
B66	15	Low	132047	1717.5	16QAM	13.448	14.798	PASS
B66	15	Low	132047	1717.5	64QAM	13.417	14.710	PASS
B66	15	Mid	132322	1745	QPSK	13.431	14.778	PASS
B66	15	Mid	132322	1745	16QAM	13.440	14.871	PASS
B66	15	Mid	132322	1745	64QAM	13.442	14.749	PASS
B66	15	High	132597	1772.5	QPSK	13.452	14.785	PASS
B66	15	High	132597	1772.5	16QAM	13.465	14.944	PASS
B66	15	High	132597	1772.5	64QAM	13.443	14.792	PASS
B66	20	Low	132072	1720	QPSK	17.909	19.527	PASS
B66	20	Low	132072	1720	16QAM	17.931	19.712	PASS
B66	20	Low	132072	1720	64QAM	17.908	19.599	PASS
B66	20	Mid	132322	1745	QPSK	17.934	19.566	PASS
B66	20	Mid	132322	1745	16QAM	17.950	19.680	PASS
B66	20	Mid	132322	1745	64QAM	17.963	19.656	PASS
B66	20	High	132572	1770	QPSK	17.943	19.479	PASS
B66	20	High	132572	1770	16QAM	17.956	19.735	PASS
B66	20	High	132572	1770	64QAM	17.944	19.598	PASS



LTE Band	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	99% BW (MHz)	26dB BW (MHz)	Verdict
B71	5	Low	133147	665.5	QPSK	4.4836	4.9244	PASS
B71	5	Low	133147	665.5	16QAM	4.4806	4.9369	PASS
B71	5	Low	133147	665.5	64QAM	4.4863	4.9426	PASS
B71	5	Mid	133297	680.5	QPSK	4.4877	4.9099	PASS
B71	5	Mid	133297	680.5	16QAM	4.4865	4.9468	PASS
B71	5	Mid	133297	680.5	64QAM	4.4888	4.9655	PASS
B71	5	High	133447	695.5	QPSK	4.4820	4.9335	PASS
B71	5	High	133447	695.5	16QAM	4.4802	4.9106	PASS
B71	5	High	133447	695.5	64QAM	4.4944	4.9171	PASS
B71	10	Low	133172	668	QPSK	8.9816	9.7489	PASS
B71	10	Low	133172	668	16QAM	8.9430	9.7253	PASS
B71	10	Low	133172	668	64QAM	8.9808	9.8475	PASS
B71	10	Mid	133297	680.5	QPSK	9.0124	9.8122	PASS
B71	10	Mid	133297	680.5	16QAM	8.9739	9.7527	PASS
B71	10	Mid	133297	680.5	64QAM	8.9937	9.8930	PASS
B71	10	High	133422	693	QPSK	8.9903	9.8307	PASS
B71	10	High	133422	693	16QAM	8.9628	9.8423	PASS
B71	10	High	133422	693	64QAM	8.9851	9.8284	PASS
B71	15	Low	133197	670.5	QPSK	13.470	14.754	PASS
B71	15	Low	133197	670.5	16QAM	13.428	14.669	PASS
B71	15	Low	133197	670.5	64QAM	13.428	14.851	PASS
B71	15	Mid	133297	680.5	QPSK	13.494	14.745	PASS
B71	15	Mid	133297	680.5	16QAM	13.469	14.902	PASS
B71	15	Mid	133297	680.5	64QAM	13.456	14.745	PASS
B71	15	High	133397	690.5	QPSK	13.449	14.732	PASS
B71	15	High	133397	690.5	16QAM	13.434	14.889	PASS
B71	15	High	133397	690.5	64QAM	13.393	14.677	PASS
B71	20	Low	133222	673	QPSK	17.914	19.594	PASS
B71	20	Low	133222	673	16QAM	17.948	19.636	PASS
B71	20	Low	133222	673	64QAM	17.925	19.504	PASS
B71	20	Mid	133322	683	QPSK	17.936	19.517	PASS
B71	20	Mid	133322	683	16QAM	17.915	19.627	PASS
B71	20	Mid	133322	683	64QAM	17.921	19.591	PASS
B71	20	High	133372	688	QPSK	17.873	19.507	PASS
B71	20	High	133372	688	16QAM	17.879	19.662	PASS

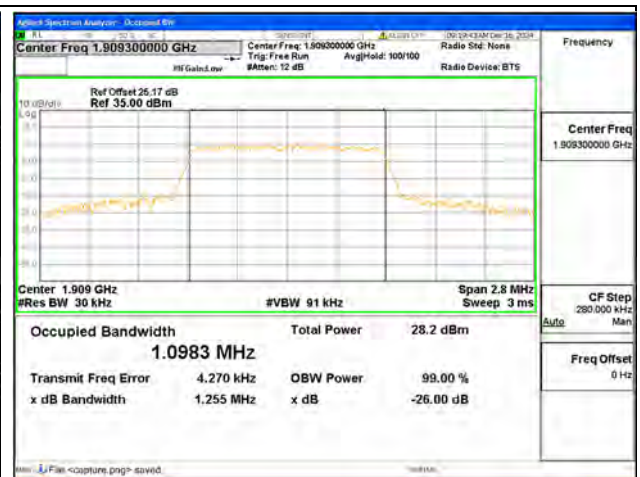


B71	20	High	133372	688	64QAM	17.852	19.533	PASS
-----	----	------	--------	-----	-------	--------	--------	------





B2 / 1.4MHz / QPSK/ High CH



B2 / 1.4MHz / 16QAM/ High CH



B2 / 1.4MHz / 64QAM/ High CH



B2 / 3MHz / QPSK/ Low CH



B2 / 3MHz / 16QAM/ Low CH



B2 / 3MHz / 64QAM/ Low CH





B2 / 5MHz / QPSK/ Low CH



B2 / 5MHz / 16QAM/ Low CH



B2 / 5MHz / 64QAM/ Low CH



B2 / 5MHz / QPSK/ Mid CH



B2 / 5MHz / 16QAM/ Mid CH



B2 / 5MHz / 64QAM/ Mid CH



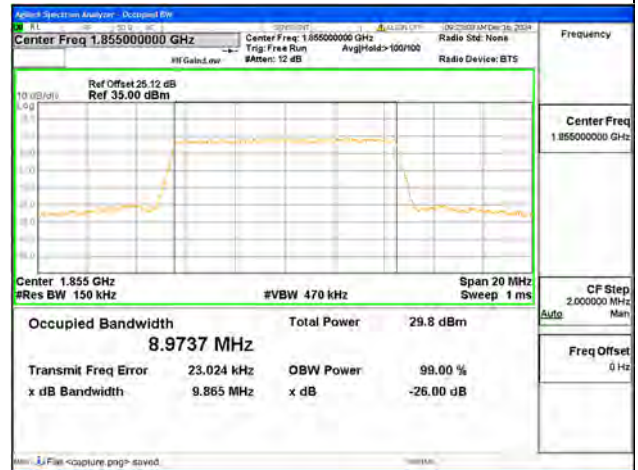
B2 / 5MHz / QPSK/ High CH



B2 / 5MHz / 16QAM/ High CH



B2 / 5MHz / 64QAM/ High CH



B2 / 10MHz / QPSK/ Low CH



B2 / 10MHz / 16QAM/ Low CH



B2 / 10MHz / 64QAM/ Low CH



B2 / 10MHz / QPSK/ Mid CH



B2 / 10MHz / 16QAM/ Mid CH



B2 / 10MHz / 64QAM/ Mid CH



B2 / 10MHz / QPSK/ High CH



B2 / 10MHz / 16QAM/ High CH



B2 / 10MHz / 64QAM/ High CH



B2 / 15MHz / QPSK/ Low CH



B2 / 15MHz / 16QAM/ Low CH



B2 / 15MHz / 64QAM/ Low CH



B2 / 15MHz / QPSK/ Mid CH



B2 / 15MHz / 16QAM/ Mid CH



B2 / 15MHz / 64QAM/ Mid CH



B2 / 15MHz / QPSK/ High CH



B2 / 15MHz / 16QAM/ High CH



B2 / 15MHz / 64QAM/ High CH



B2 / 20MHz / QPSK/ Low CH



B2 / 20MHz / 16QAM/ Low CH



B2 / 20MHz / 64QAM/ Low CH

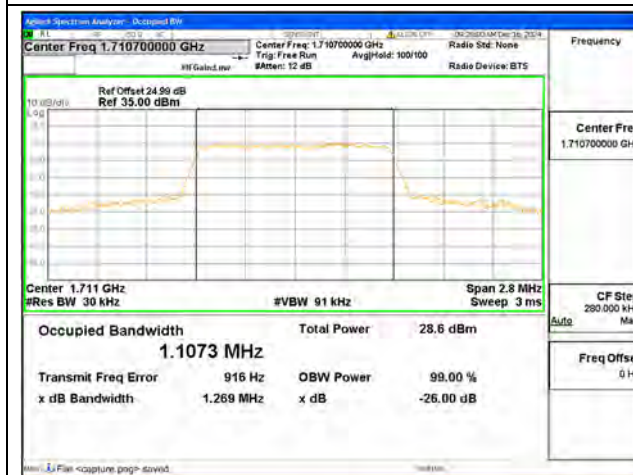




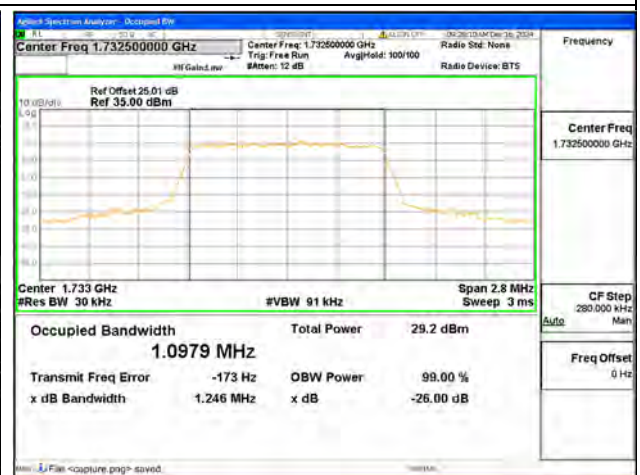
B4 / 1.4MHz / QPSK/ Low CH



B4 / 1.4MHz / 16QAM/ Low CH



B4 / 1.4MHz / 64QAM/ Low CH



B4 / 1.4MHz / QPSK/ Mid CH



B4 / 1.4MHz / 16QAM/ Mid CH



B4 / 1.4MHz / 64QAM/ Mid CH







B4 / 5MHz / QPSK/ Low CH



B4 / 5MHz / 16QAM/ Low CH



B4 / 5MHz / 64QAM/ Low CH



B4 / 5MHz / QPSK/ Mid CH



B4 / 5MHz / 16QAM/ Mid CH



B4 / 5MHz / 64QAM/ Mid CH





B4 / 10MHz / QPSK/ Mid CH



B4 / 10MHz / 16QAM/ Mid CH



B4 / 10MHz / 64QAM/ Mid CH



B4 / 10MHz / QPSK/ High CH



B4 / 10MHz / 16QAM/ High CH



B4 / 10MHz / 64QAM/ High CH



B4 / 15MHz / QPSK/ Low CH



B4 / 15MHz / 16QAM/ Low CH



B4 / 15MHz / 64QAM/ Low CH



B4 / 15MHz / QPSK/ Mid CH



B4 / 15MHz / 16QAM/ Mid CH



B4 / 15MHz / 64QAM/ Mid CH







B5 / 1.4MHz / QPSK/ Low CH



B5 / 1.4MHz / 16QAM/ Low CH



B5 / 1.4MHz / 64QAM/ Low CH



B5 / 1.4MHz / QPSK/ Mid CH



B5 / 1.4MHz / 16QAM/ Mid CH



B5 / 1.4MHz / 64QAM/ Mid CH







B5 / 5MHz / QPSK/ Low CH



B5 / 5MHz / 16QAM/ Low CH



B5 / 5MHz / 64QAM/ Low CH



B5 / 5MHz / QPSK/ Mid CH



B5 / 5MHz / 16QAM/ Mid CH



B5 / 5MHz / 64QAM/ Mid CH







B7 / 5MHz / QPSK/ Low CH



B7 / 5MHz / 16QAM/ Low CH



B7 / 5MHz / 64QAM/ Low CH



B7 / 5MHz / QPSK/ Mid CH



B7 / 5MHz / 16QAM/ Mid CH



B7 / 5MHz / 64QAM/ Mid CH





B7 / 10MHz / QPSK/ Mid CH



B7 / 10MHz / 16QAM/ Mid CH



B7 / 10MHz / 64QAM/ Mid CH



B7 / 10MHz / QPSK/ High CH



B7 / 10MHz / 16QAM/ High CH



B7 / 10MHz / 64QAM/ High CH



B7 / 15MHz / QPSK/ Low CH



B7 / 15MHz / 16QAM/ Low CH



B7 / 15MHz / 64QAM/ Low CH



B7 / 15MHz / QPSK/ Mid CH



B7 / 15MHz / 16QAM/ Mid CH



B7 / 15MHz / 64QAM/ Mid CH



B7 / 15MHz / QPSK/ High CH



B7 / 15MHz / 16QAM/ High CH



B7 / 15MHz / 64QAM/ High CH



B7 / 20MHz / QPSK/ Low CH



B7 / 20MHz / 16QAM/ Low CH



B7 / 20MHz / 64QAM/ Low CH





B12 / 1.4MHz / QPSK/ Low CH



B12 / 1.4MHz / 16QAM/ Low CH



B12 / 1.4MHz / 64QAM/ Low CH



B12 / 1.4MHz / QPSK/ Mid CH



B12 / 1.4MHz / 16QAM/ Mid CH



B12 / 1.4MHz / 64QAM/ Mid CH



B12 / 1.4MHz / QPSK/ High CH



B12 / 1.4MHz / 16QAM/ High CH



B12 / 1.4MHz / 64QAM/ High CH



B12 / 3MHz / QPSK/ Low CH



B12 / 3MHz / 16QAM/ Low CH



B12 / 3MHz / 64QAM/ Low CH



B12 / 3MHz / QPSK/ Mid CH



B12 / 3MHz / 16QAM/ Mid CH



B12 / 3MHz / 64QAM/ Mid CH



B12 / 3MHz / QPSK/ High CH



B12 / 3MHz / 16QAM/ High CH



B12 / 3MHz / 64QAM/ High CH



B12 / 5MHz / QPSK/ Low CH



B12 / 5MHz / 16QAM/ Low CH



B12 / 5MHz / 64QAM/ Low CH



B12 / 5MHz / QPSK/ Mid CH



B12 / 5MHz / 16QAM/ Mid CH



B12 / 5MHz / 64QAM/ Mid CH





B12 / 10MHz / QPSK/ Mid CH



B12 / 10MHz / 16QAM/ Mid CH



B12 / 10MHz / 64QAM/ Mid CH



B12 / 10MHz / QPSK/ High CH



B12 / 10MHz / 16QAM/ High CH



B12 / 10MHz / 64QAM/ High CH



B17 / 5MHz / QPSK/ Low CH



B17 / 5MHz / 16QAM/ Low CH



B17 / 5MHz / 64QAM/ Low CH



B17 / 5MHz / QPSK/ Mid CH



B17 / 5MHz / 16QAM/ Mid CH



B17 / 5MHz / 64QAM/ Mid CH

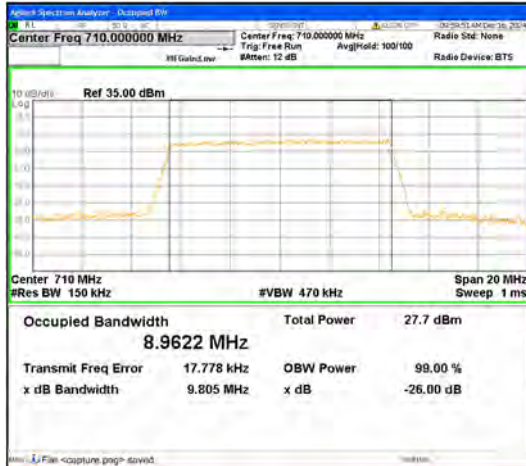




B17 / 10MHz / QPSK/ Mid CH



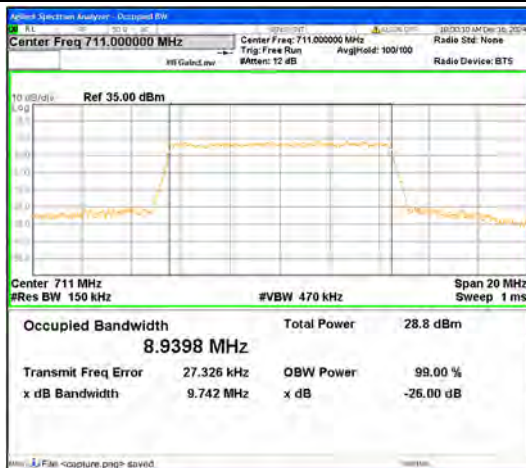
B17 / 10MHz / 16QAM/ Mid CH



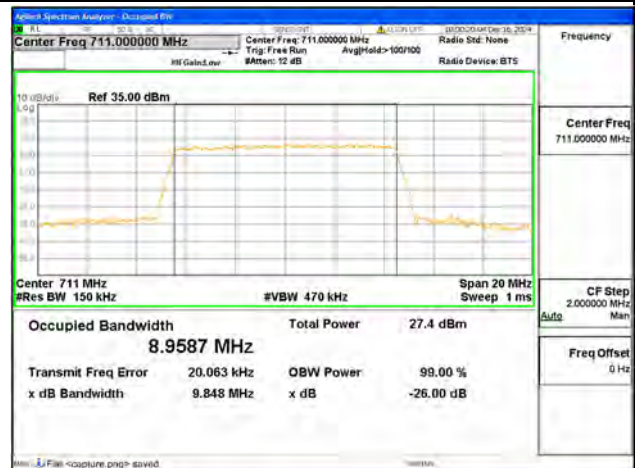
B17 / 10MHz / 64QAM/ Mid CH



B17 / 10MHz / QPSK/ High CH



B17 / 10MHz / 16QAM/ High CH



B17 / 10MHz / 64QAM/ High CH









B66 / 5MHz / QPSK/ Low CH



B66 / 5MHz / 16QAM/ Low CH



B66 / 5MHz / 64QAM/ Low CH



B66 / 5MHz / QPSK/ Mid CH



B66 / 5MHz / 16QAM/ Mid CH



B66 / 5MHz / 64QAM/ Mid CH



B66 / 5MHz / QPSK/ High CH



B66 / 5MHz / 16QAM/ High CH



B66 / 5MHz / 64QAM/ High CH



B66 / 10MHz / QPSK/ Low CH



B66 / 10MHz / 16QAM/ Low CH



B66 / 10MHz / 64QAM/ Low CH



B66 / 10MHz / QPSK/ Mid CH



B66 / 10MHz / 16QAM/ Mid CH



B66 / 10MHz / 64QAM/ Mid CH



B66 / 10MHz / QPSK/ High CH



B66 / 10MHz / 16QAM/ High CH



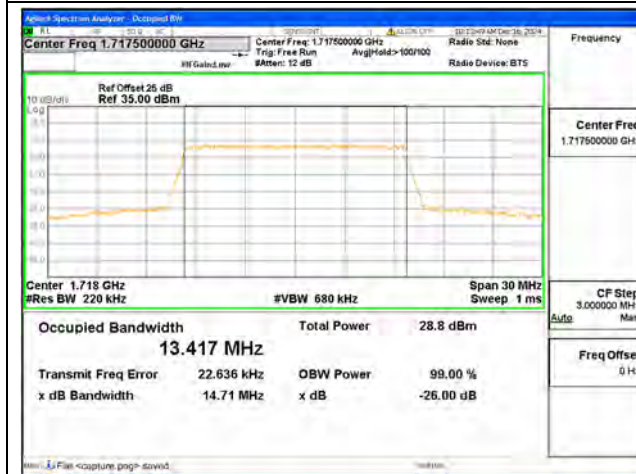
B66 / 10MHz / 64QAM/ High CH



B66 / 15MHz / QPSK/ Low CH



B66 / 15MHz / 16QAM/ Low CH



B66 / 15MHz / 64QAM/ Low CH



B66 / 15MHz / QPSK/ Mid CH



B66 / 15MHz / 16QAM/ Mid CH



B66 / 15MHz / 64QAM/ Mid CH







B71 / 5MHz / QPSK/ Low CH



B71 / 5MHz / 16QAM/ Low CH



B71 / 5MHz / 64QAM/ Low CH



B71 / 5MHz / QPSK/ Mid CH



B71 / 5MHz / 16QAM/ Mid CH



B71 / 5MHz / 64QAM/ Mid CH



B71 / 5MHz / QPSK/ High CH



B71 / 5MHz / 16QAM/ High CH



B71 / 5MHz / 64QAM/ High CH



B71 / 10MHz / QPSK/ Low CH



B71 / 10MHz / 16QAM/ Low CH



B71 / 10MHz / 64QAM/ Low CH





B71 / 15MHz / QPSK/ Low CH



B71 / 15MHz / 16QAM/ Low CH



B71 / 15MHz / 64QAM/ Low CH



B71 / 15MHz / QPSK/ Mid CH



B71 / 15MHz / 16QAM/ Mid CH



B71 / 15MHz / 64QAM/ Mid CH



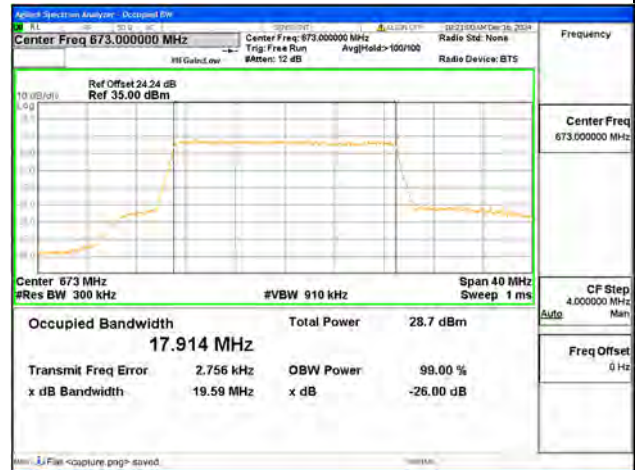
B71 / 15MHz / QPSK/ High CH



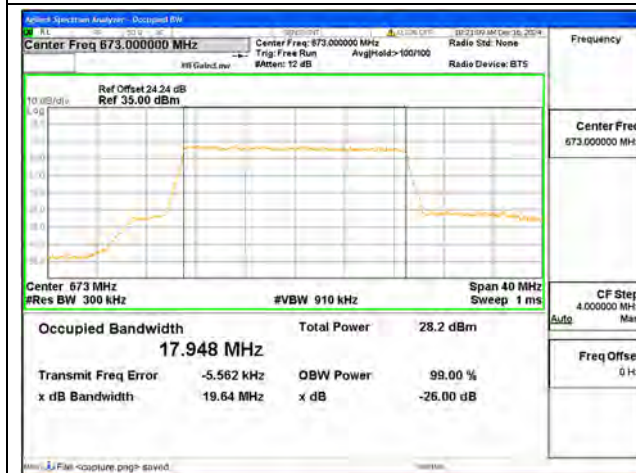
B71 / 15MHz / 16QAM/ High CH



B71 / 15MHz / 64QAM/ High CH



B71 / 20MHz / QPSK/ Low CH



B71 / 20MHz / 16QAM/ Low CH



B71 / 20MHz / 64QAM/ Low CH



2.3. Frequency Stability

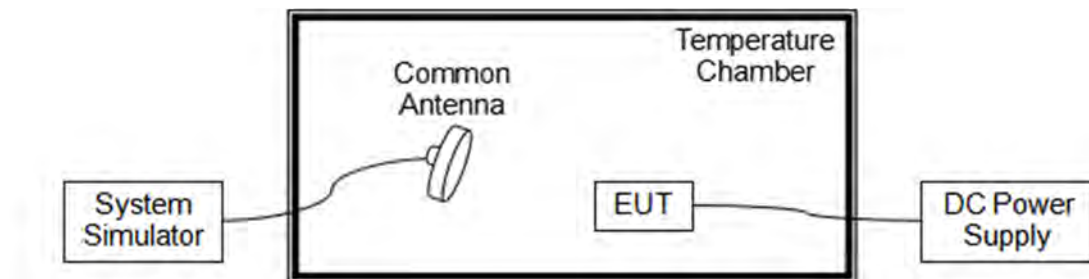
2.3.1. Requirement

According to FCC section 2.1055, 24.235, 27.54, the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block. According to FCC section 2.1055, the test conditions are:

- (a) The temperature is varied from -30°C to $+50^{\circ}\text{C}$ at intervals of not more than 10°C .
- (b) For hand carried battery powered equipment, the primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacture. The supply voltage shall be measured at the input to the cable normally provided with the equipment, or at the power supply terminals if cables are not normally provided.

Note: The operating temperature of EUT is from -10°C to 55°C , which are specified by the applicant.

2.3.2. Test Description



The EUT which is powered by the DC Power Supply directly, is located in the Temperature Chamber. The EUT is commanded by the System Simulator (SS) to operate at the maximum output power. A call is established between the EUT and the SS via a Common Antenna.

2.3.3. Test Procedure

KDB 971168 D01v03 Section 9.0 and ANSI/TIA-603-E-2016.

**2.3.4. Test Result**

The nominal, highest and lowest extreme voltages are separately 3.87V, 4.45V and 3.60V, which are specified by the applicant; the normal temperature here used is 20°C.

LTE Band 2, 64QAM, Channel 18900, Frequency 1880.0MHz					
Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev.(Hz)	Deviation (ppm)	Result
Normal	3.87	+20(Ref)	19	0.010	PASS
Normal		-10	20	0.011	
Normal		0	20	0.011	
Normal		+10	21	0.011	
Normal		+20	3	0.002	
Normal		+30	13	0.007	
Normal		+40	20	0.011	
Normal		+50	18	0.010	
Normal		+55	11	0.006	
High	4.45	+20	16	0.009	
BATT.ENDPOINT	3.60	+20	20	0.011	

LTE Band 4, 64QAM, Channel 20175, Frequency 1732.5MHz					
Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev.(Hz)	Deviation (ppm)	Result
Normal	3.87	+20(Ref)	20	0.012	PASS
Normal		-10	14	0.008	
Normal		0	-1	-0.001	
Normal		+10	17	0.010	
Normal		+20	-8	-0.005	
Normal		+30	20	0.012	
Normal		+40	-19	-0.011	
Normal		+50	5	0.003	
Normal		+55	20	0.012	
High	4.45	+20	14	0.008	
BATT.ENDPOINT	3.60	+20	19	0.011	



LTE Band 5, 64QAM, Channel 20525, Frequency 836.5MHz Limit=±2.5ppm					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev.(Hz)	Deviation (ppm)	Result
Normal	3.87	+20(Ref)	19	0.023	PASS
Normal		-10	9	0.011	
Normal		0	19	0.023	
Normal		+10	-9	-0.011	
Normal		+20	17	0.020	
Normal		+30	-1	-0.001	
Normal		+40	17	0.020	
Normal		+50	0	0.000	
Normal		+55	16	0.019	
High	4.45	+20	18	0.022	
BATT.ENDPOINT	3.60	+20	18	0.022	

LTE Band 7, 64QAM, Channel 21100, Frequency 2535.0MHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.87	+20(Ref)	8	0.003	PASS
Normal		-10	19	0.007	
Normal		0	-19	-0.007	
Normal		+10	-18	-0.007	
Normal		+20	4	0.002	
Normal		+30	20	0.008	
Normal		+40	13	0.005	
Normal		+50	21	0.008	
Normal		+55	18	0.007	
High	4.45	+20	20	0.008	
BATT.ENDPOINT	3.60	+20	5	0.002	



LTE Band 12, 64QAM, Channel 23095, Frequency 707.5MHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev.(Hz)	Deviation (ppm)	Result
Normal	3.87	+20(Ref)	14	0.020	PASS
Normal		-10	14	0.020	
Normal		0	15	0.021	
Normal		+10	-10	-0.014	
Normal		+20	20	0.028	
Normal		+30	20	0.028	
Normal		+40	-4	-0.006	
Normal		+50	15	0.021	
Normal		+55	16	0.023	
High	4.45	+20	16	0.023	
BATT.ENDPOINT	3.60	+20	13	0.018	

LTE Band 17, 64QAM, Channel 23790, Frequency 710.0MHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.87	+20(Ref)	20	0.028	PASS
Normal		-10	4	0.006	
Normal		0	18	0.025	
Normal		+10	13	0.018	
Normal		+20	-22	-0.031	
Normal		+30	23	0.032	
Normal		+40	-1	-0.001	
Normal		+50	17	0.024	
Normal		+55	-20	-0.028	
High	4.45	+20	4	0.006	
BATT.ENDPOINT	3.60	+20	19	0.027	



LTE Band 66, 64QAM, Channel 132322, Frequency 1745.0MHz					
Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.87	+20(Ref)	14	0.008	PASS
Normal		-10	15	0.009	
Normal		0	4	0.002	
Normal		+10	13	0.007	
Normal		+20	20	0.011	
Normal		+30	-9	-0.005	
Normal		+40	20	0.011	
Normal		+50	8	0.005	
Normal		+55	15	0.009	
High	4.45	+20	-18	-0.010	
BATT.ENDPOINT	3.60	+20	-18	-0.010	

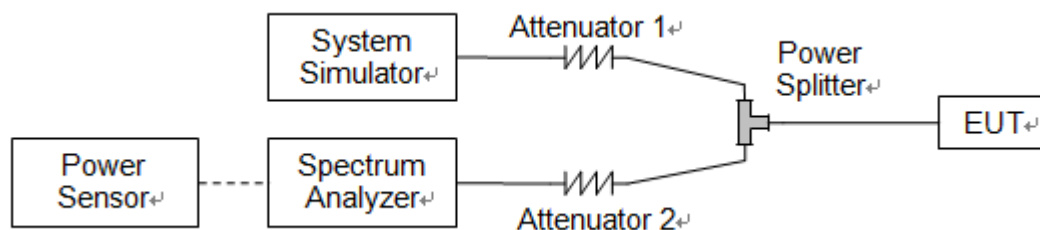
LTE Band 71, 64QAM, Channel 133322, Frequency 683.0MHz					
Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.87	+20(Ref)	0	0.000	PASS
Normal		-10	20	0.029	
Normal		0	17	0.025	
Normal		+10	-9	-0.013	
Normal		+20	13	0.019	
Normal		+30	20	0.029	
Normal		+40	18	0.026	
Normal		+50	19	0.028	
Normal		+55	19	0.028	
High	4.45	+20	8	0.012	
BATT.ENDPOINT	3.60	+20	18	0.026	

2.4. Peak to Average Ratio

2.4.1. Requirement

According to FCC section 24.232(d), 27.50(d) and 27.50(j)(4), the peak to average ratio (PAR) of the transmission may not exceed 13dB.

2.4.2. 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.

2.4.3. Test Procedure

KDB 971168 D01v03 Section 5.7 and ANSI/TIA-603-E-2016.



2.4.4. Test Result

Record the maximum PAPR level associated with a probability of 0.1%.

LTE Band	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	Peak to Average Radio(dB)	Verdict
B2	1.4	Low	18607	1850.7	QPSK	5.22	PASS
B2	1.4	Low	18607	1850.7	16QAM	6.85	PASS
B2	1.4	Low	18607	1850.7	64QAM	6.46	PASS
B2	1.4	Mid	18900	1880	QPSK	4.29	PASS
B2	1.4	Mid	18900	1880	16QAM	6.45	PASS
B2	1.4	Mid	18900	1880	64QAM	5.63	PASS
B2	1.4	High	19193	1909.3	QPSK	5.02	PASS
B2	1.4	High	19193	1909.3	16QAM	6.51	PASS
B2	1.4	High	19193	1909.3	64QAM	5.82	PASS
B2	3	Low	18615	1851.5	QPSK	5.47	PASS
B2	3	Low	18615	1851.5	16QAM	8.04	PASS
B2	3	Low	18615	1851.5	64QAM	6.47	PASS
B2	3	Mid	18900	1880	QPSK	4.38	PASS
B2	3	Mid	18900	1880	16QAM	5.24	PASS
B2	3	Mid	18900	1880	64QAM	5.56	PASS
B2	3	High	19185	1908.5	QPSK	4.74	PASS
B2	3	High	19185	1908.5	16QAM	6.87	PASS
B2	3	High	19185	1908.5	64QAM	5.72	PASS
B2	5	Low	18625	1852.5	QPSK	5.61	PASS
B2	5	Low	18625	1852.5	16QAM	6.09	PASS
B2	5	Low	18625	1852.5	64QAM	6.36	PASS
B2	5	Mid	18900	1880	QPSK	4.78	PASS
B2	5	Mid	18900	1880	16QAM	5.43	PASS
B2	5	Mid	18900	1880	64QAM	5.97	PASS
B2	5	High	19175	1907.5	QPSK	4.87	PASS
B2	5	High	19175	1907.5	16QAM	5.50	PASS
B2	5	High	19175	1907.5	64QAM	6.04	PASS
B2	10	Low	18650	1855	QPSK	5.60	PASS
B2	10	Low	18650	1855	16QAM	6.24	PASS
B2	10	Low	18650	1855	64QAM	6.45	PASS
B2	10	Mid	18900	1880	QPSK	4.90	PASS



REPORT No.: SZ24100313W06

B2	10	Mid	18900	1880	16QAM	5.62	PASS
B2	10	Mid	18900	1880	64QAM	5.98	PASS
B2	10	High	19150	1905	QPSK	4.93	PASS
B2	10	High	19150	1905	16QAM	5.69	PASS
B2	10	High	19150	1905	64QAM	6.05	PASS
B2	15	Low	18675	1857.5	QPSK	5.55	PASS
B2	15	Low	18675	1857.5	16QAM	6.22	PASS
B2	15	Low	18675	1857.5	64QAM	6.43	PASS
B2	15	Mid	18900	1880	QPSK	4.64	PASS
B2	15	Mid	18900	1880	16QAM	6.33	PASS
B2	15	Mid	18900	1880	64QAM	5.81	PASS
B2	15	High	19125	1902.5	QPSK	4.79	PASS
B2	15	High	19125	1902.5	16QAM	6.37	PASS
B2	15	High	19125	1902.5	64QAM	5.93	PASS
B2	20	Low	18700	1860	QPSK	5.47	PASS
B2	20	Low	18700	1860	16QAM	6.21	PASS
B2	20	Low	18700	1860	64QAM	6.53	PASS
B2	20	Mid	18900	1880	QPSK	5.02	PASS
B2	20	Mid	18900	1880	16QAM	5.71	PASS
B2	20	Mid	18900	1880	64QAM	6.05	PASS
B2	20	High	19100	1900	QPSK	5.01	PASS
B2	20	High	19100	1900	16QAM	5.73	PASS
B2	20	High	19100	1900	64QAM	6.05	PASS