



REPORT No.: SZ24050296W07

TEST REPORT

APPLICANT : BLU Products, Inc.

PRODUCT NAME : Smart Phone

MODEL NAME : G84

BRAND NAME : BLU

FCC ID : YHLBLU84C

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 : 2024-06-12

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Change History		
Version	Date	Reason for change
1.0	2024-08-01	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.:	7#	
Hardware Version:	KE35NC_01	
Software Version:	BLU_G1050_V14.0.0100_GENERIC 01-06-2024	
Modulation Type:	QPSK, 16QAM, 64QAM	
Carrier Aggregation:	Not Support	
Operation Band:	Band 2 / 4 / 5 / 7 / 12 / 13 / 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 13	Tx: 777MHz–787MHz
		Rx: 746MHz–756MHz
	LTE Band 17	Tx: 704MHz - 716MHz
		Rx: 734MHz – 746MHz
	LTE Band 66	Tx: 1710MHz –1780MHz
		Rx: 2110MHz –2200MHz



Channel Bandwidth:	LTE Band 71	Tx: 663MHz –698MHz Rx: 617MHz –652MHz
	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 13	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	-2.26dBi
	LTE Band 4	-2.30dBi
	LTE Band 5	-3.50dBi
	LTE Band 7	-0.03dBi
	LTE Band 12	-3.40dBi
	LTE Band 13	-3.40dBi
	LTE Band 17	-3.50dBi
	LTE Band 66	-2.30dBi
	LTE Band 71	-3.80dBi
Accessory Information:	Battery	
	Brand Name:	BLU
	Model No.:	C986544500P
	Serial No.:	N/A
	Capacity:	4850mAh
	Rated Voltage:	3.87V
	Charge Limit:	4.45V
	Manufacturer:	Huizhou Highpower Technology Co., Ltd.
	AC Adapter	
	Brand Name:	BLU
	Model No.:	US-KB-2009
	Serial No.:	N/A
	Rated Output:	9V=2000mA
	Rated Input:	100-240V~50/60Hz, 0.6A
	Manufacturer:	Shenzhen Huajin Electronics Co., Ltd.



Note 1: 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		0.127	0.106	0.082	17M9G7D	17M9W7D	17M9W7D
15		0.125	0.106	0.081	13M4G7D	13M4W7D	13M4W7D
10		0.126	0.105	0.081	8M96G7D	8M94W7D	8M94W7D
5		0.127	0.104	0.081	4M48G7D	4M47W7D	4M48W7D
3		0.126	0.106	0.080	2M69G7D	2M70W7D	2M70W7D
1.4		0.127	0.106	0.080	1M09G7D	1M10W7D	1M10W7D
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		0.118	0.102	0.078	17M9G7D	17M9W7D	17M9W7D
15		0.117	0.101	0.077	13M4G7D	13M4W7D	13M4W7D
10		0.117	0.100	0.077	8M96G7D	8M94W7D	8M95W7D
5		0.117	0.101	0.078	4M47G7D	4M48W7D	4M48W7D
3		0.118	0.101	0.078	2M69G7D	2M69W7D	2M70W7D
1.4		0.116	0.101	0.078	1M09G7D	1M10W7D	1M10W7D
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		0.059	0.049	0.039	8M95G7D	8M93W7D	8M95W7D
5		0.058	0.048	0.039	4M47G7D	4M47W7D	4M48W7D
3		0.058	0.048	0.038	2M69G7D	2M70W7D	2M70W7D
1.4		0.058	0.049	0.038	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		0.213	0.175	0.136	17M9G7D	17M9W7D	17M9W7D
15		0.211	0.173	0.133	13M4G7D	13M4W7D	13M4W7D
10		0.210	0.174	0.134	8M96G7D	8M94W7D	8M94W7D
5		0.208	0.173	0.134	4M48G7D	4M47W7D	4M48W7D
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		0.060	0.051	0.040	8M97G7D	8M94W7D	8M96W7D
5		0.059	0.050	0.039	4M49G7D	4M48W7D	4M49W7D



3	0.059	0.050	0.039	2M69G7D	2M69W7D	2M70W7D
1.4	0.059	0.050	0.039	1M10G7D	1M10W7D	1M10W7D
LTE Band 13	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10	0.061	0.051	0.040	8M97G7D	8M95W7D	8M95W7D
5	0.061	0.051	0.040	4M48G7D	4M48W7D	4M49W7D
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	0.058	0.047	0.037	8M96G7D	8M94W7D	8M95W7D
5	0.057	0.047	0.037	4M48G7D	4M48W7D	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	0.119	0.099	0.078	17M9G7D	17M9W7D	17M9W7D
15	0.119	0.098	0.077	13M5G7D	13M4W7D	13M4W7D
10	0.118	0.097	0.077	8M96G7D	8M94W7D	8M96W7D
5	0.118	0.097	0.078	4M48G7D	4M48W7D	4M49W7D
3	0.118	0.099	0.078	2M69G7D	2M70W7D	2M70W7D
1.4	0.117	0.099	0.078	1M09G7D	1M10W7D	1M10W7D
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	0.053	0.045	0.034	17M9G7D	17M9W7D	17M9W7D
15	0.052	0.044	0.033	13M5G7D	13M4W7D	13M4W7D
10	0.052	0.044	0.034	8M96G7D	8M94W7D	8M97W7D
5	0.052	0.044	0.034	4M48G7D	4M48W7D	4M49W7D



1.4. Test Standards and Results

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

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

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

Section	Description	Test Date	Test Engineer	Result	Method Determination /Remark
2.1046 22.913(a)(2) 24.232(c) 27.50(b)(10) 27.50(c)(10) 27.50(d)(4) 27.50(h)(2)	Transmitter Conducted Output Power and E.R.P./E.I.R.P.	Jul. 17, 2024	Zheng Jianhua Gan Jing	PASS	No deviation
2.1049	Occupied Bandwidth	Jun. 20, 2024	Gan Jing	PASS	No deviation
2.1055 22.355 24.235 27.54	Frequency Stability	Jul. 16, 2024	Gan Jing	PASS	No deviation
24.232(d), 27.50(d)(5)	Peak to Average Radio	Jun. 19, 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	Jun. 20, 2024	Gan Jing	PASS	No deviation
2.1051 22.917(a)	Band Edge	Jun. 17&18, 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	Jul. 03&04, 2024	Gao Jianrou	PASS	No deviation

Note 1: The tests were performed according to the method of measurements prescribed in KDB 971168 D01 v03 and ANSI/TIA-603-E-2016.

Note 2: 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 3: 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 4/66, Fixed, mobile and portable (hand-held) stations in the 1710-1755MHz band are limited to 1wat E.I.R.P.

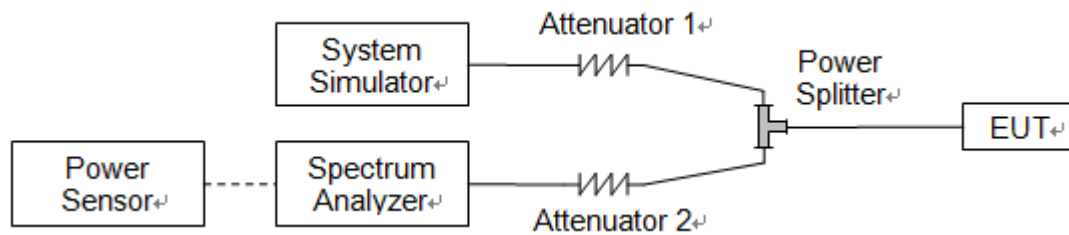
According to FCC section 22.913 (a)(2) for LTE Band 5, the E.R.P. of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

According to FCC section 27.50 (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 (b)(10) for LTE Band 13, Portable stations (hand-held devices) transmitting in the 746-757 MHz, 776-788 MHz, and 805-806 MHz bands are limited to 3 watts E.R.P.

According to FCC section 27.50 (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.

E.I.R.P. (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi)

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

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

LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18700	18900	19100
Frequency (MHz)				1860	1880	1900
20	QPSK	1	0	22.92	23.07	22.95
20	QPSK	1	49	23.26	23.31	23.23
20	QPSK	1	99	22.94	23.00	22.93
20	QPSK	50	0	22.14	22.21	22.20
20	QPSK	50	24	22.27	22.30	22.21
20	QPSK	50	50	22.19	22.27	22.22
20	QPSK	100	0	22.20	22.24	22.18
20	16QAM	1	0	22.25	22.33	22.25
20	16QAM	1	49	22.50	22.52	22.46
20	16QAM	1	99	22.21	22.30	22.22
20	16QAM	50	0	21.17	21.23	21.20
20	16QAM	50	24	21.18	21.28	21.20
20	16QAM	50	50	21.17	21.25	21.21
20	16QAM	100	0	21.17	21.24	21.17
20	64QAM	1	0	21.35	21.38	21.28
20	64QAM	1	49	21.21	21.24	21.15
20	64QAM	1	99	21.12	21.22	21.14
20	64QAM	50	0	20.24	20.25	20.21
20	64QAM	50	24	20.21	20.29	20.22
20	64QAM	50	50	20.24	20.27	20.26
20	64QAM	100	0	20.20	20.24	20.22



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18675	18900	19125
Frequency (MHz)				1857.5	1880	1902.5
15	QPSK	1	0	22.84	23.00	22.85
15	QPSK	1	37	23.16	23.22	23.13
15	QPSK	1	74	22.85	22.98	22.88
15	QPSK	36	0	22.13	22.14	22.14
15	QPSK	36	20	22.17	22.25	22.15
15	QPSK	36	39	22.13	22.26	22.21
15	QPSK	75	0	22.15	22.23	22.15
15	16QAM	1	0	22.18	22.23	22.19
15	16QAM	1	37	22.44	22.50	22.44
15	16QAM	1	74	22.14	22.29	22.15
15	16QAM	36	0	21.07	21.19	21.13
15	16QAM	36	20	21.16	21.26	21.10
15	16QAM	36	39	21.15	21.18	21.18
15	16QAM	75	0	21.09	21.22	21.15
15	64QAM	1	0	21.33	21.32	21.20
15	64QAM	1	37	21.18	21.19	21.06
15	64QAM	1	74	21.10	21.16	21.10
15	64QAM	36	0	20.15	20.23	20.11
15	64QAM	36	20	20.18	20.24	20.13
15	64QAM	36	39	20.17	20.25	20.24
15	64QAM	75	0	20.15	20.19	20.20



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18650	18900	19150
Frequency (MHz)				1855	1880	1905
10	QPSK	1	0	22.89	22.97	22.92
10	QPSK	1	25	23.18	23.28	23.15
10	QPSK	1	49	22.90	22.93	22.92
10	QPSK	25	0	22.07	22.13	22.19
10	QPSK	25	12	22.17	22.20	22.12
10	QPSK	25	25	22.18	22.19	22.14
10	QPSK	50	0	22.10	22.15	22.09
10	16QAM	1	0	22.22	22.29	22.17
10	16QAM	1	25	22.42	22.49	22.40
10	16QAM	1	49	22.16	22.27	22.12
10	16QAM	25	0	21.14	21.19	21.14
10	16QAM	25	12	21.15	21.23	21.13
10	16QAM	25	25	21.07	21.24	21.19
10	16QAM	50	0	21.14	21.18	21.14
10	64QAM	1	0	21.27	21.33	21.27
10	64QAM	1	25	21.20	21.16	21.12
10	64QAM	1	49	21.10	21.14	21.11
10	64QAM	25	0	20.19	20.24	20.20
10	64QAM	25	12	20.11	20.22	20.20
10	64QAM	25	25	20.15	20.21	20.23
10	64QAM	50	0	20.14	20.16	20.16



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18625	18900	19175
Frequency (MHz)				1852.5	1880	1907.5
5	QPSK	1	0	22.91	23.00	22.94
5	QPSK	1	12	23.25	23.29	23.17
5	QPSK	1	24	22.85	22.95	22.91
5	QPSK	12	0	22.08	22.11	22.15
5	QPSK	12	7	22.17	22.26	22.20
5	QPSK	12	13	22.14	22.24	22.15
5	QPSK	25	0	22.13	22.18	22.11
5	16QAM	1	0	22.17	22.30	22.18
5	16QAM	1	12	22.42	22.45	22.39
5	16QAM	1	24	22.11	22.23	22.13
5	16QAM	12	0	21.08	21.19	21.16
5	16QAM	12	7	21.15	21.20	21.10
5	16QAM	12	13	21.13	21.17	21.19
5	16QAM	25	0	21.11	21.22	21.12
5	64QAM	1	0	21.32	21.33	21.22
5	64QAM	1	12	21.18	21.19	21.05
5	64QAM	1	24	21.05	21.12	21.06
5	64QAM	12	0	20.23	20.16	20.11
5	64QAM	12	7	20.15	20.24	20.14
5	64QAM	12	13	20.22	20.23	20.16
5	64QAM	25	0	20.18	20.23	20.12



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18615	18900	19185
Frequency (MHz)				1851.5	1880	1908.5
3	QPSK	1	0	22.91	22.99	22.94
3	QPSK	1	8	23.17	23.27	23.18
3	QPSK	1	14	22.86	22.96	22.90
3	QPSK	8	0	22.08	22.19	22.10
3	QPSK	8	4	22.22	22.29	22.11
3	QPSK	8	7	22.16	22.24	22.19
3	QPSK	15	0	22.14	22.22	22.08
3	16QAM	1	0	22.23	22.25	22.20
3	16QAM	1	8	22.46	22.50	22.39
3	16QAM	1	14	22.15	22.29	22.18
3	16QAM	8	0	21.13	21.16	21.18
3	16QAM	8	4	21.13	21.24	21.10
3	16QAM	8	7	21.16	21.17	21.20
3	16QAM	15	0	21.16	21.17	21.08
3	64QAM	1	0	21.29	21.29	21.25
3	64QAM	1	8	21.16	21.19	21.10
3	64QAM	1	14	21.06	21.18	21.07
3	64QAM	8	0	20.21	20.17	20.16
3	64QAM	8	4	20.13	20.26	20.13
3	64QAM	8	7	20.20	20.20	20.18
3	64QAM	15	0	20.10	20.22	20.19



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18607	18900	19193
Frequency (MHz)				1850.7	1880	1909.3
1.4	QPSK	1	0	22.84	22.99	22.89
1.4	QPSK	1	3	23.20	23.30	23.19
1.4	QPSK	1	5	22.84	22.93	22.83
1.4	QPSK	3	0	22.94	23.03	23.07
1.4	QPSK	3	1	23.11	23.16	23.03
1.4	QPSK	3	3	23.05	23.08	23.07
1.4	QPSK	6	0	22.11	22.14	22.11
1.4	16QAM	1	0	22.21	22.23	22.22
1.4	16QAM	1	3	22.48	22.51	22.43
1.4	16QAM	1	5	22.19	22.25	22.21
1.4	16QAM	3	0	22.00	22.03	22.04
1.4	16QAM	3	1	22.03	22.09	22.07
1.4	16QAM	3	3	21.97	22.07	22.01
1.4	16QAM	6	0	21.13	21.20	21.12
1.4	64QAM	1	0	21.30	21.31	21.25
1.4	64QAM	1	3	21.18	21.18	21.08
1.4	64QAM	1	5	21.03	21.19	21.09
1.4	64QAM	3	0	21.11	21.06	21.05
1.4	64QAM	3	1	21.04	21.13	21.02
1.4	64QAM	3	3	21.08	21.08	21.07
1.4	64QAM	6	0	20.10	20.23	20.14



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				20050	20175	20300
Frequency (MHz)				1720	1732.5	1745
20	QPSK	1	0	22.87	22.80	22.74
20	QPSK	1	49	23.03	22.94	23.01
20	QPSK	1	99	22.75	22.67	22.71
20	QPSK	50	0	21.99	21.97	21.98
20	QPSK	50	24	22.05	22.02	21.95
20	QPSK	50	50	21.91	21.90	21.89
20	QPSK	100	0	21.97	21.87	21.93
20	16QAM	1	0	22.22	22.21	22.18
20	16QAM	1	49	22.38	22.36	22.33
20	16QAM	1	99	22.05	21.96	22.00
20	16QAM	50	0	21.03	20.96	21.00
20	16QAM	50	24	21.05	21.03	20.97
20	16QAM	50	50	20.98	20.88	20.90
20	16QAM	100	0	21.00	20.92	20.99
20	64QAM	1	0	21.00	20.90	20.96
20	64QAM	1	49	21.24	21.19	21.22
20	64QAM	1	99	20.92	20.85	20.90
20	64QAM	50	0	20.05	19.95	20.04
20	64QAM	50	24	20.03	19.99	19.98
20	64QAM	50	50	19.98	19.93	19.89
20	64QAM	100	0	20.01	19.96	19.93



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20025	20175	20325
Frequency (MHz)				1717.5	1732.5	1747.5
15	QPSK	1	0	22.77	22.77	22.71
15	QPSK	1	37	22.97	22.84	22.92
15	QPSK	1	74	22.73	22.64	22.61
15	QPSK	36	0	21.93	21.96	21.91
15	QPSK	36	20	22.01	22.01	21.89
15	QPSK	36	39	21.83	21.82	21.84
15	QPSK	75	0	21.92	21.85	21.90
15	16QAM	1	0	22.12	22.18	22.13
15	16QAM	1	37	22.34	22.26	22.31
15	16QAM	1	74	22.02	21.89	21.98
15	16QAM	36	0	21.00	20.94	20.91
15	16QAM	36	20	20.96	21.00	20.94
15	16QAM	36	39	20.88	20.83	20.88
15	16QAM	75	0	20.94	20.85	20.89
15	64QAM	1	0	20.99	20.82	20.90
15	64QAM	1	37	21.15	21.11	21.12
15	64QAM	1	74	20.83	20.77	20.86
15	64QAM	36	0	19.97	19.90	19.94
15	64QAM	36	20	20.00	19.96	19.97
15	64QAM	36	39	19.95	19.83	19.83
15	64QAM	75	0	19.98	19.88	19.88



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20000	20175	20350
Frequency (MHz)				1715	1732.5	1750
10	QPSK	1	0	22.84	22.74	22.64
10	QPSK	1	25	22.98	22.90	22.93
10	QPSK	1	49	22.65	22.66	22.68
10	QPSK	25	0	21.92	21.94	21.97
10	QPSK	25	12	21.99	21.97	21.93
10	QPSK	25	25	21.84	21.88	21.83
10	QPSK	50	0	21.96	21.80	21.91
10	16QAM	1	0	22.18	22.16	22.16
10	16QAM	1	25	22.28	22.30	22.26
10	16QAM	1	49	22.04	21.94	21.96
10	16QAM	25	0	20.99	20.88	20.98
10	16QAM	25	12	21.01	20.99	20.87
10	16QAM	25	25	20.89	20.80	20.86
10	16QAM	50	0	20.99	20.87	20.98
10	64QAM	1	0	20.90	20.83	20.90
10	64QAM	1	25	21.15	21.14	21.15
10	64QAM	1	49	20.84	20.82	20.81
10	64QAM	25	0	20.00	19.91	19.96
10	64QAM	25	12	20.02	19.93	19.97
10	64QAM	25	25	19.97	19.89	19.85
10	64QAM	50	0	19.94	19.88	19.84



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19975	20175	20375
Frequency (MHz)				1712.5	1732.5	1752.5
5	QPSK	1	0	22.78	22.73	22.73
5	QPSK	1	12	23.00	22.84	22.99
5	QPSK	1	24	22.73	22.60	22.66
5	QPSK	12	0	21.94	21.91	21.96
5	QPSK	12	7	22.03	21.92	21.94
5	QPSK	12	13	21.83	21.85	21.85
5	QPSK	25	0	21.87	21.84	21.84
5	16QAM	1	0	22.13	22.18	22.16
5	16QAM	1	12	22.34	22.33	22.31
5	16QAM	1	24	21.96	21.87	21.95
5	16QAM	12	0	20.96	20.95	20.98
5	16QAM	12	7	20.96	21.00	20.93
5	16QAM	12	13	20.90	20.86	20.89
5	16QAM	25	0	20.95	20.88	20.91
5	64QAM	1	0	20.95	20.82	20.93
5	64QAM	1	12	21.22	21.10	21.15
5	64QAM	1	24	20.88	20.83	20.88
5	64QAM	12	0	19.95	19.85	19.99
5	64QAM	12	7	20.00	19.94	19.89
5	64QAM	12	13	19.88	19.85	19.82
5	64QAM	25	0	19.96	19.89	19.84



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19965	20175	20385
Frequency (MHz)				1711.5	1732.5	1753.5
3	QPSK	1	0	22.84	22.76	22.64
3	QPSK	1	8	23.02	22.85	22.98
3	QPSK	1	14	22.68	22.59	22.66
3	QPSK	8	0	21.98	21.88	21.95
3	QPSK	8	4	21.97	22.00	21.89
3	QPSK	8	7	21.84	21.85	21.88
3	QPSK	15	0	21.95	21.77	21.92
3	16QAM	1	0	22.14	22.20	22.16
3	16QAM	1	8	22.31	22.33	22.27
3	16QAM	1	14	22.04	21.94	21.92
3	16QAM	8	0	20.93	20.92	20.98
3	16QAM	8	4	21.01	20.94	20.88
3	16QAM	8	7	20.97	20.85	20.84
3	16QAM	15	0	20.92	20.86	20.92
3	64QAM	1	0	20.96	20.83	20.88
3	64QAM	1	8	21.23	21.14	21.15
3	64QAM	1	14	20.85	20.77	20.85
3	64QAM	8	0	19.97	19.92	20.01
3	64QAM	8	4	19.99	19.89	19.92
3	64QAM	8	7	19.97	19.86	19.82
3	64QAM	15	0	19.95	19.89	19.90



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19957	20175	20393
Frequency (MHz)				1710.7	1732.5	1754.3
1.4	QPSK	1	0	22.83	22.77	22.64
1.4	QPSK	1	3	22.96	22.88	22.91
1.4	QPSK	1	5	22.67	22.59	22.61
1.4	QPSK	3	0	22.78	22.78	22.82
1.4	QPSK	3	1	22.87	22.87	22.74
1.4	QPSK	3	3	22.73	22.74	22.67
1.4	QPSK	6	0	21.93	21.83	21.85
1.4	16QAM	1	0	22.16	22.18	22.09
1.4	16QAM	1	3	22.32	22.33	22.28
1.4	16QAM	1	5	21.96	21.90	21.93
1.4	16QAM	3	0	21.85	21.80	21.79
1.4	16QAM	3	1	21.84	21.86	21.83
1.4	16QAM	3	3	21.80	21.74	21.68
1.4	16QAM	6	0	20.92	20.88	20.96
1.4	64QAM	1	0	20.90	20.88	20.94
1.4	64QAM	1	3	21.21	21.09	21.16
1.4	64QAM	1	5	20.82	20.75	20.83
1.4	64QAM	3	0	20.87	20.82	20.84
1.4	64QAM	3	1	20.85	20.82	20.80
1.4	64QAM	3	3	20.83	20.75	20.69
1.4	64QAM	6	0	20.00	19.93	19.83



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	23.28	23.29	23.25
10	QPSK	1	25	23.26	23.33	23.28
10	QPSK	1	49	23.14	23.18	23.17
10	QPSK	25	0	22.27	22.28	22.21
10	QPSK	25	12	22.28	22.34	22.25
10	QPSK	25	25	22.24	22.28	22.25
10	QPSK	50	0	22.24	22.33	22.32
10	16QAM	1	0	22.51	22.55	22.46
10	16QAM	1	25	22.42	22.52	22.44
10	16QAM	1	49	22.35	22.43	22.36
10	16QAM	25	0	21.37	21.43	21.35
10	16QAM	25	12	21.40	21.41	21.33
10	16QAM	25	25	21.35	21.39	21.33
10	16QAM	50	0	21.32	21.40	21.39
10	64QAM	1	0	21.47	21.55	21.48
10	64QAM	1	25	21.46	21.52	21.51
10	64QAM	1	49	21.45	21.47	21.46
10	64QAM	25	0	20.36	20.39	20.37
10	64QAM	25	12	20.32	20.38	20.29
10	64QAM	25	25	20.30	20.36	20.34
10	64QAM	50	0	20.33	20.35	20.26



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	23.19	23.19	23.23
5	QPSK	1	12	23.17	23.29	23.20
5	QPSK	1	24	23.07	23.14	23.10
5	QPSK	12	0	22.26	22.18	22.11
5	QPSK	12	7	22.22	22.24	22.16
5	QPSK	12	13	22.18	22.20	22.16
5	QPSK	25	0	22.22	22.28	22.31
5	16QAM	1	0	22.43	22.49	22.38
5	16QAM	1	12	22.35	22.48	22.36
5	16QAM	1	24	22.30	22.34	22.26
5	16QAM	12	0	21.33	21.36	21.30
5	16QAM	12	7	21.33	21.36	21.28
5	16QAM	12	13	21.27	21.32	21.23
5	16QAM	25	0	21.22	21.31	21.29
5	64QAM	1	0	21.46	21.54	21.43
5	64QAM	1	12	21.42	21.51	21.41
5	64QAM	1	24	21.38	21.39	21.44
5	64QAM	12	0	20.27	20.37	20.30
5	64QAM	12	7	20.26	20.37	20.27
5	64QAM	12	13	20.20	20.26	20.32
5	64QAM	25	0	20.32	20.28	20.24



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20415	20525	20635
Frequency (MHz)				825.5	836.5	847.5
3	QPSK	1	0	22.97	23.03	23.01
3	QPSK	1	8	22.93	23.06	22.99
3	QPSK	1	14	22.99	23.04	22.90
3	QPSK	8	0	21.99	22.07	22.06
3	QPSK	8	4	22.04	21.98	21.97
3	QPSK	8	7	22.00	22.04	21.98
3	QPSK	15	0	21.90	22.05	22.00
3	16QAM	1	0	22.09	22.19	22.07
3	16QAM	1	8	22.06	22.09	22.06
3	16QAM	1	14	22.07	22.14	22.02
3	16QAM	8	0	21.09	21.17	21.10
3	16QAM	8	4	20.99	21.03	21.00
3	16QAM	8	7	20.96	20.93	20.88
3	16QAM	15	0	20.89	20.88	20.85
3	64QAM	1	0	21.21	21.29	21.21
3	64QAM	1	8	21.22	21.28	21.24
3	64QAM	1	14	21.19	21.24	21.21
3	64QAM	8	0	19.84	19.88	19.83
3	64QAM	8	4	19.81	19.80	19.78
3	64QAM	8	7	19.89	19.82	19.82
3	64QAM	15	0	19.74	19.83	19.74



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	23.23	23.27	23.24
1.4	QPSK	1	3	23.18	23.32	23.22
1.4	QPSK	1	5	23.09	23.11	23.10
1.4	QPSK	3	0	22.22	22.18	22.17
1.4	QPSK	3	1	22.27	22.26	22.18
1.4	QPSK	3	3	22.15	22.22	22.19
1.4	QPSK	6	0	22.22	22.28	22.25
1.4	16QAM	1	0	22.44	22.53	22.41
1.4	16QAM	1	3	22.36	22.47	22.39
1.4	16QAM	1	5	22.32	22.37	22.26
1.4	16QAM	3	0	21.27	21.37	21.29
1.4	16QAM	3	1	21.38	21.35	21.26
1.4	16QAM	3	3	21.27	21.31	21.29
1.4	16QAM	6	0	21.24	21.30	21.34
1.4	64QAM	1	0	21.45	21.50	21.45
1.4	64QAM	1	3	21.42	21.42	21.49
1.4	64QAM	1	5	21.39	21.43	21.45
1.4	64QAM	3	0	20.29	20.31	20.32
1.4	64QAM	3	1	20.28	20.32	20.23
1.4	64QAM	3	3	20.26	20.26	20.29
1.4	64QAM	6	0	20.28	20.29	20.25



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20850	21100	21350
Frequency (MHz)				2510	2535	2560
20	QPSK	1	0	22.84	22.89	22.90
20	QPSK	1	49	23.29	23.25	23.32
20	QPSK	1	99	23.04	23.07	23.15
20	QPSK	50	0	22.22	22.19	22.24
20	QPSK	50	24	22.35	22.26	22.36
20	QPSK	50	50	22.31	22.21	22.30
20	QPSK	100	0	22.28	22.31	22.33
20	16QAM	1	0	22.13	22.17	22.22
20	16QAM	1	49	22.45	22.33	22.43
20	16QAM	1	99	22.37	22.35	22.40
20	16QAM	50	0	21.18	21.16	21.21
20	16QAM	50	24	21.28	21.21	21.30
20	16QAM	50	50	21.24	21.21	21.31
20	16QAM	100	0	21.22	21.14	21.24
20	64QAM	1	0	21.10	21.06	21.15
20	64QAM	1	49	21.33	21.30	21.35
20	64QAM	1	99	21.20	21.21	21.28
20	64QAM	50	0	20.15	20.12	20.21
20	64QAM	50	24	20.28	20.25	20.31
20	64QAM	50	50	20.25	20.33	20.34
20	64QAM	100	0	20.23	20.19	20.23



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20825	21100	21375
Frequency (MHz)				2507.5	2535	2562.5
15	QPSK	1	0	22.78	22.83	22.84
15	QPSK	1	37	23.15	23.20	23.27
15	QPSK	1	74	22.98	23.05	23.14
15	QPSK	36	0	22.21	22.14	22.19
15	QPSK	36	20	22.34	22.17	22.33
15	QPSK	36	39	22.28	22.18	22.21
15	QPSK	75	0	22.25	22.24	22.29
15	16QAM	1	0	22.11	22.11	22.14
15	16QAM	1	37	22.35	22.26	22.40
15	16QAM	1	74	22.33	22.32	22.35
15	16QAM	36	0	21.08	21.15	21.19
15	16QAM	36	20	21.22	21.12	21.27
15	16QAM	36	39	21.21	21.13	21.22
15	16QAM	75	0	21.18	21.12	21.19
15	64QAM	1	0	21.00	21.04	21.14
15	64QAM	1	37	21.27	21.28	21.27
15	64QAM	1	74	21.19	21.19	21.19
15	64QAM	36	0	20.10	20.05	20.16
15	64QAM	36	20	20.19	20.23	20.28
15	64QAM	36	39	20.15	20.26	20.31
15	64QAM	75	0	20.16	20.12	20.19



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20800	21100	21400
Frequency (MHz)				2505	2535	2565
10	QPSK	1	0	22.82	22.84	22.82
10	QPSK	1	25	23.15	23.21	23.25
10	QPSK	1	49	22.94	22.99	23.06
10	QPSK	25	0	22.19	22.10	22.19
10	QPSK	25	12	22.32	22.19	22.34
10	QPSK	25	25	22.23	22.11	22.27
10	QPSK	50	0	22.19	22.27	22.24
10	16QAM	1	0	22.10	22.16	22.15
10	16QAM	1	25	22.44	22.24	22.41
10	16QAM	1	49	22.27	22.26	22.35
10	16QAM	25	0	21.08	21.11	21.14
10	16QAM	25	12	21.20	21.14	21.22
10	16QAM	25	25	21.19	21.18	21.24
10	16QAM	50	0	21.18	21.09	21.21
10	64QAM	1	0	21.05	20.96	21.14
10	64QAM	1	25	21.25	21.27	21.30
10	64QAM	1	49	21.10	21.12	21.25
10	64QAM	25	0	20.05	20.02	20.11
10	64QAM	25	12	20.24	20.18	20.23
10	64QAM	25	25	20.16	20.32	20.26
10	64QAM	50	0	20.16	20.16	20.16



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20775	21100	21425
Frequency (MHz)				2502.5	2535	2567.5
5	QPSK	1	0	22.76	22.87	22.89
5	QPSK	1	12	23.20	23.17	23.22
5	QPSK	1	24	22.96	22.99	23.14
5	QPSK	12	0	22.18	22.12	22.23
5	QPSK	12	7	22.28	22.22	22.28
5	QPSK	12	13	22.25	22.16	22.25
5	QPSK	25	0	22.20	22.23	22.23
5	16QAM	1	0	22.10	22.09	22.13
5	16QAM	1	12	22.40	22.24	22.37
5	16QAM	1	24	22.28	22.30	22.38
5	16QAM	12	0	21.12	21.06	21.19
5	16QAM	12	7	21.18	21.13	21.20
5	16QAM	12	13	21.14	21.12	21.26
5	16QAM	25	0	21.14	21.05	21.21
5	64QAM	1	0	21.09	20.97	21.09
5	64QAM	1	12	21.24	21.24	21.29
5	64QAM	1	24	21.16	21.14	21.25
5	64QAM	12	0	20.08	20.07	20.13
5	64QAM	12	7	20.22	20.15	20.22
5	64QAM	12	13	20.19	20.28	20.32
5	64QAM	25	0	20.14	20.16	20.21



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	23.14	23.16	23.12
10	QPSK	1	25	23.26	23.30	23.23
10	QPSK	1	49	23.13	23.22	23.14
10	QPSK	25	0	22.23	22.27	22.17
10	QPSK	25	12	22.31	22.37	22.29
10	QPSK	25	25	22.30	22.35	22.33
10	QPSK	50	0	22.31	22.33	22.30
10	16QAM	1	0	22.48	22.50	22.40
10	16QAM	1	25	22.52	22.60	22.52
10	16QAM	1	49	22.52	22.53	22.44
10	16QAM	25	0	21.17	21.27	21.18
10	16QAM	25	12	21.27	21.37	21.27
10	16QAM	25	25	21.34	21.35	21.31
10	16QAM	50	0	21.26	21.36	21.32
10	64QAM	1	0	21.33	21.35	21.26
10	64QAM	1	25	21.42	21.52	21.45
10	64QAM	1	49	21.43	21.45	21.38
10	64QAM	25	0	20.25	20.26	20.16
10	64QAM	25	12	20.33	20.37	20.27
10	64QAM	25	25	20.30	20.33	20.29
10	64QAM	50	0	20.30	20.32	20.30



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	23.12	23.11	23.05
5	QPSK	1	12	23.25	23.28	23.18
5	QPSK	1	24	23.10	23.13	23.05
5	QPSK	12	0	22.13	22.24	22.12
5	QPSK	12	7	22.29	22.29	22.22
5	QPSK	12	13	22.26	22.27	22.24
5	QPSK	25	0	22.26	22.30	22.26
5	16QAM	1	0	22.47	22.42	22.37
5	16QAM	1	12	22.48	22.57	22.47
5	16QAM	1	24	22.47	22.44	22.41
5	16QAM	12	0	21.13	21.19	21.16
5	16QAM	12	7	21.23	21.27	21.25
5	16QAM	12	13	21.29	21.27	21.21
5	16QAM	25	0	21.23	21.34	21.31
5	64QAM	1	0	21.31	21.30	21.20
5	64QAM	1	12	21.41	21.50	21.38
5	64QAM	1	24	21.36	21.43	21.33
5	64QAM	12	0	20.17	20.19	20.11
5	64QAM	12	7	20.27	20.29	20.22
5	64QAM	12	13	20.26	20.32	20.26
5	64QAM	25	0	20.29	20.31	20.26



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23025	23095	23165
Frequency (MHz)				700.5	707.5	714.5
3	QPSK	1	0	23.09	23.11	23.02
3	QPSK	1	8	23.21	23.28	23.13
3	QPSK	1	14	23.09	23.20	23.08
3	QPSK	8	0	22.19	22.23	22.15
3	QPSK	8	4	22.25	22.33	22.26
3	QPSK	8	7	22.21	22.26	22.29
3	QPSK	15	0	22.21	22.28	22.26
3	16QAM	1	0	22.47	22.47	22.36
3	16QAM	1	8	22.45	22.54	22.51
3	16QAM	1	14	22.42	22.51	22.43
3	16QAM	8	0	21.08	21.17	21.12
3	16QAM	8	4	21.17	21.33	21.17
3	16QAM	8	7	21.25	21.26	21.28
3	16QAM	15	0	21.22	21.30	21.24
3	64QAM	1	0	21.28	21.25	21.22
3	64QAM	1	8	21.35	21.50	21.38
3	64QAM	1	14	21.41	21.44	21.35
3	64QAM	8	0	20.20	20.23	20.10
3	64QAM	8	4	20.25	20.34	20.22
3	64QAM	8	7	20.27	20.29	20.25
3	64QAM	15	0	20.26	20.26	20.25



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23017	23095	23173
Frequency (MHz)				699.7	707.5	715.3
1.4	QPSK	1	0	23.09	23.08	23.03
1.4	QPSK	1	3	23.16	23.28	23.13
1.4	QPSK	1	5	23.03	23.14	23.05
1.4	QPSK	3	0	22.15	22.23	22.14
1.4	QPSK	3	1	22.23	22.32	22.19
1.4	QPSK	3	3	22.27	22.28	22.23
1.4	QPSK	6	0	22.30	22.29	22.24
1.4	16QAM	1	0	22.47	22.43	22.36
1.4	16QAM	1	3	22.49	22.50	22.46
1.4	16QAM	1	5	22.45	22.48	22.37
1.4	16QAM	3	0	21.10	21.24	21.15
1.4	16QAM	3	1	21.26	21.27	21.23
1.4	16QAM	3	3	21.32	21.29	21.29
1.4	16QAM	6	0	21.18	21.27	21.23
1.4	64QAM	1	0	21.23	21.34	21.18
1.4	64QAM	1	3	21.39	21.48	21.38
1.4	64QAM	1	5	21.38	21.41	21.30
1.4	64QAM	3	0	20.23	20.19	20.09
1.4	64QAM	3	1	20.29	20.35	20.25
1.4	64QAM	3	3	20.26	20.31	20.25
1.4	64QAM	6	0	20.28	20.29	20.20



LTE Band 13						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				/	23230	/
Frequency (MHz)				/	782	/
10	QPSK	1	0	/	23.25	/
10	QPSK	1	25	/	23.38	/
10	QPSK	1	49	/	23.24	/
10	QPSK	25	0	/	22.24	/
10	QPSK	25	12	/	22.38	/
10	QPSK	25	25	/	22.35	/
10	QPSK	50	0	/	22.33	/
10	16QAM	1	0	/	22.51	/
10	16QAM	1	25	/	22.61	/
10	16QAM	1	49	/	22.50	/
10	16QAM	25	0	/	21.43	/
10	16QAM	25	12	/	21.44	/
10	16QAM	25	25	/	21.40	/
10	16QAM	50	0	/	21.42	/
10	64QAM	1	0	/	21.56	/
10	64QAM	1	25	/	21.62	/
10	64QAM	1	49	/	21.50	/
10	64QAM	25	0	/	20.43	/
10	64QAM	25	12	/	20.40	/
10	64QAM	25	25	/	20.44	/
10	64QAM	50	0	/	20.43	/



LTE Band 13						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23205	23230	23255
Frequency (MHz)				779.5	782	784.5
5	QPSK	1	0	23.15	23.17	23.21
5	QPSK	1	12	23.33	23.37	23.28
5	QPSK	1	24	23.19	23.16	23.16
5	QPSK	12	0	22.19	22.19	22.15
5	QPSK	12	7	22.34	22.29	22.34
5	QPSK	12	13	22.27	22.29	22.25
5	QPSK	25	0	22.26	22.26	22.23
5	16QAM	1	0	22.43	22.47	22.42
5	16QAM	1	12	22.55	22.59	22.51
5	16QAM	1	24	22.44	22.45	22.49
5	16QAM	12	0	21.39	21.34	21.36
5	16QAM	12	7	21.36	21.38	21.39
5	16QAM	12	13	21.39	21.39	21.35
5	16QAM	25	0	21.38	21.38	21.41
5	64QAM	1	0	21.50	21.52	21.48
5	64QAM	1	12	21.57	21.53	21.56
5	64QAM	1	24	21.48	21.47	21.40
5	64QAM	12	0	20.38	20.40	20.38
5	64QAM	12	7	20.31	20.38	20.36
5	64QAM	12	13	20.38	20.43	20.34
5	64QAM	25	0	20.33	20.37	20.39



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	23.06	23.09	23.05
10	QPSK	1	25	23.19	23.27	23.18
10	QPSK	1	49	23.16	23.17	23.12
10	QPSK	25	0	22.24	22.29	22.19
10	QPSK	25	12	22.30	22.35	22.32
10	QPSK	25	25	22.27	22.33	22.29
10	QPSK	50	0	22.29	22.31	22.27
10	16QAM	1	0	22.27	22.32	22.30
10	16QAM	1	25	22.37	22.39	22.35
10	16QAM	1	49	22.18	22.28	22.27
10	16QAM	25	0	21.24	21.26	21.17
10	16QAM	25	12	21.30	21.34	21.30
10	16QAM	25	25	21.28	21.30	21.23
10	16QAM	50	0	21.21	21.29	21.21
10	64QAM	1	0	21.22	21.28	21.26
10	64QAM	1	25	21.32	21.39	21.36
10	64QAM	1	49	21.30	21.34	21.25
10	64QAM	25	0	20.15	20.25	20.16
10	64QAM	25	12	20.25	20.32	20.24
10	64QAM	25	25	20.25	20.30	20.28
10	64QAM	50	0	20.26	20.27	20.22



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	23.00	23.04	23.01
5	QPSK	1	12	23.13	23.18	23.13
5	QPSK	1	24	23.09	23.16	23.04
5	QPSK	12	0	22.17	22.27	22.13
5	QPSK	12	7	22.25	22.32	22.26
5	QPSK	12	13	22.17	22.27	22.28
5	QPSK	25	0	22.22	22.30	22.21
5	16QAM	1	0	22.17	22.27	22.26
5	16QAM	1	12	22.31	22.34	22.29
5	16QAM	1	24	22.11	22.23	22.20
5	16QAM	12	0	21.15	21.16	21.16
5	16QAM	12	7	21.20	21.30	21.20
5	16QAM	12	13	21.22	21.21	21.19
5	16QAM	25	0	21.12	21.23	21.13
5	64QAM	1	0	21.18	21.23	21.22
5	64QAM	1	12	21.26	21.36	21.33
5	64QAM	1	24	21.24	21.33	21.24
5	64QAM	12	0	20.07	20.16	20.10
5	64QAM	12	7	20.19	20.24	20.23
5	64QAM	12	13	20.17	20.28	20.25
5	64QAM	25	0	20.19	20.25	20.13



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132072	132322	132572
Frequency (MHz)				1720	1745	1770
20	QPSK	1	0	22.95	22.82	22.83
20	QPSK	1	49	23.07	22.98	23.03
20	QPSK	1	99	22.79	22.71	22.74
20	QPSK	50	0	22.02	21.93	22.01
20	QPSK	50	24	22.05	22.01	22.04
20	QPSK	50	50	21.98	21.89	21.93
20	QPSK	100	0	22.01	22.00	21.93
20	16QAM	1	0	22.20	22.12	22.19
20	16QAM	1	49	22.27	22.21	22.25
20	16QAM	1	99	22.02	21.93	22.01
20	16QAM	50	0	21.04	21.01	21.01
20	16QAM	50	24	21.08	21.03	21.02
20	16QAM	50	50	21.05	21.04	21.03
20	16QAM	100	0	21.02	20.98	20.96
20	64QAM	1	0	21.15	21.08	21.07
20	64QAM	1	49	21.24	21.21	21.18
20	64QAM	1	99	20.97	20.93	20.92
20	64QAM	50	0	20.03	19.99	20.00
20	64QAM	50	24	20.05	19.99	20.01
20	64QAM	50	50	20.02	19.95	19.99
20	64QAM	100	0	20.01	19.99	20.00



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132047	132322	132597
Frequency (MHz)				1717.5	1745	1772.5
15	QPSK	1	0	22.93	22.79	22.76
15	QPSK	1	37	23.04	22.97	22.98
15	QPSK	1	74	22.74	22.67	22.66
15	QPSK	36	0	21.94	21.83	22.00
15	QPSK	36	20	22.00	21.93	21.99
15	QPSK	36	39	21.95	21.79	21.84
15	QPSK	75	0	21.96	21.96	21.85
15	16QAM	1	0	22.12	22.02	22.10
15	16QAM	1	37	22.21	22.16	22.18
15	16QAM	1	74	21.98	21.91	22.00
15	16QAM	36	0	21.00	20.98	20.91
15	16QAM	36	20	21.02	21.02	20.96
15	16QAM	36	39	21.02	20.94	21.01
15	16QAM	75	0	20.92	20.96	20.92
15	64QAM	1	0	21.13	21.03	21.03
15	64QAM	1	37	21.15	21.14	21.08
15	64QAM	1	74	20.87	20.85	20.84
15	64QAM	36	0	19.98	19.96	19.94
15	64QAM	36	20	20.03	19.89	19.97
15	64QAM	36	39	19.95	19.89	19.93
15	64QAM	75	0	19.99	19.91	19.96



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132022	132322	132622
Frequency (MHz)				1715	1745	1775
10	QPSK	1	0	22.86	22.81	22.80
10	QPSK	1	25	23.03	22.95	23.01
10	QPSK	1	49	22.70	22.64	22.71
10	QPSK	25	0	21.93	21.90	21.93
10	QPSK	25	12	21.95	21.99	21.99
10	QPSK	25	25	21.96	21.85	21.85
10	QPSK	50	0	21.99	21.94	21.91
10	16QAM	1	0	22.10	22.06	22.16
10	16QAM	1	25	22.18	22.14	22.18
10	16QAM	1	49	21.97	21.91	22.00
10	16QAM	25	0	20.95	20.94	20.97
10	16QAM	25	12	21.06	20.95	20.92
10	16QAM	25	25	20.97	20.97	20.99
10	16QAM	50	0	20.95	20.88	20.89
10	64QAM	1	0	21.06	21.03	21.01
10	64QAM	1	25	21.19	21.13	21.11
10	64QAM	1	49	20.92	20.90	20.82
10	64QAM	25	0	20.02	19.97	19.95
10	64QAM	25	12	20.00	19.96	19.91
10	64QAM	25	25	19.95	19.88	19.90
10	64QAM	50	0	19.93	19.97	19.98



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				131997	132322	132647
Frequency (MHz)				1712.5	1745	1777.5
5	QPSK	1	0	22.89	22.73	22.82
5	QPSK	1	12	23.01	22.96	22.97
5	QPSK	1	24	22.76	22.65	22.66
5	QPSK	12	0	21.96	21.86	21.99
5	QPSK	12	7	22.00	21.95	21.94
5	QPSK	12	13	21.90	21.87	21.83
5	QPSK	25	0	21.98	21.90	21.89
5	16QAM	1	0	22.10	22.02	22.12
5	16QAM	1	12	22.18	22.17	22.17
5	16QAM	1	24	21.99	21.83	21.99
5	16QAM	12	0	20.97	20.98	20.92
5	16QAM	12	7	21.05	20.98	20.99
5	16QAM	12	13	20.96	20.98	21.00
5	16QAM	25	0	20.99	20.92	20.87
5	64QAM	1	0	21.13	21.02	20.97
5	64QAM	1	12	21.23	21.20	21.11
5	64QAM	1	24	20.91	20.89	20.85
5	64QAM	12	0	19.97	19.93	19.91
5	64QAM	12	7	20.00	19.96	19.96
5	64QAM	12	13	19.97	19.86	19.97
5	64QAM	25	0	19.92	19.95	19.91



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				131987	132322	132657
Frequency (MHz)				1711.5	1745	1778.5
3	QPSK	1	0	22.94	22.80	22.73
3	QPSK	1	8	23.01	22.92	22.99
3	QPSK	1	14	22.75	22.64	22.65
3	QPSK	8	0	21.93	21.92	21.98
3	QPSK	8	4	21.95	21.94	21.98
3	QPSK	8	7	21.93	21.86	21.84
3	QPSK	15	0	21.99	21.96	21.88
3	16QAM	1	0	22.10	22.05	22.11
3	16QAM	1	8	22.24	22.17	22.19
3	16QAM	1	14	21.94	21.86	21.93
3	16QAM	8	0	20.98	21.00	20.99
3	16QAM	8	4	21.05	20.95	20.99
3	16QAM	8	7	20.99	20.99	20.96
3	16QAM	15	0	20.97	20.89	20.93
3	64QAM	1	0	21.13	20.98	21.04
3	64QAM	1	8	21.23	21.11	21.14
3	64QAM	1	14	20.94	20.89	20.88
3	64QAM	8	0	20.00	19.97	19.91
3	64QAM	8	4	19.98	19.93	20.00
3	64QAM	8	7	20.01	19.88	19.93
3	64QAM	15	0	19.95	19.90	19.91



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				131979	132322	132665
Frequency (MHz)				1710.7	1745	1779.3
1.4	QPSK	1	0	22.94	22.73	22.82
1.4	QPSK	1	3	22.98	22.89	22.94
1.4	QPSK	1	5	22.76	22.64	22.71
1.4	QPSK	3	0	22.89	22.76	22.83
1.4	QPSK	3	1	22.87	22.91	22.85
1.4	QPSK	3	3	22.82	22.69	22.74
1.4	QPSK	6	0	21.97	21.97	21.84
1.4	16QAM	1	0	22.11	22.05	22.16
1.4	16QAM	1	3	22.25	22.13	22.22
1.4	16QAM	1	5	22.01	21.86	21.99
1.4	16QAM	3	0	21.89	21.87	21.84
1.4	16QAM	3	1	21.94	21.84	21.91
1.4	16QAM	3	3	21.93	21.85	21.85
1.4	16QAM	6	0	20.93	20.94	20.87
1.4	64QAM	1	0	21.08	21.01	21.06
1.4	64QAM	1	3	21.20	21.15	21.09
1.4	64QAM	1	5	20.91	20.91	20.85
1.4	64QAM	3	0	20.85	20.81	20.83
1.4	64QAM	3	1	20.91	20.79	20.82
1.4	64QAM	3	3	20.85	20.78	20.83
1.4	64QAM	6	0	19.94	19.92	19.91



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	22.89	22.93	22.91
20	QPSK	1	49	23.12	23.16	23.14
20	QPSK	1	99	22.93	22.96	22.94
20	QPSK	50	0	22.00	22.01	21.97
20	QPSK	50	24	22.08	22.13	22.07
20	QPSK	50	50	22.05	22.10	22.06
20	QPSK	100	0	21.99	22.09	22.08
20	16QAM	1	0	22.19	22.25	22.15
20	16QAM	1	49	22.42	22.44	22.38
20	16QAM	1	99	22.18	22.23	22.16
20	16QAM	50	0	20.99	21.01	20.93
20	16QAM	50	24	21.01	21.11	21.09
20	16QAM	50	50	21.06	21.10	21.00
20	16QAM	100	0	20.97	21.07	21.03
20	64QAM	1	0	20.96	20.99	20.89
20	64QAM	1	49	21.20	21.28	21.19
20	64QAM	1	99	21.11	21.14	21.08
20	64QAM	50	0	19.93	20.02	19.97
20	64QAM	50	24	20.10	20.13	20.06
20	64QAM	50	50	20.08	20.10	20.02
20	64QAM	100	0	20.01	20.08	20.06



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	22.87	22.90	22.83
15	QPSK	1	37	23.10	23.07	23.12
15	QPSK	1	74	22.84	22.95	22.89
15	QPSK	36	0	21.92	22.00	21.90
15	QPSK	36	20	21.98	22.08	21.99
15	QPSK	36	39	22.01	22.06	22.04
15	QPSK	75	0	21.96	22.06	22.01
15	16QAM	1	0	22.12	22.16	22.13
15	16QAM	1	37	22.41	22.43	22.36
15	16QAM	1	74	22.16	22.18	22.13
15	16QAM	36	0	20.92	20.92	20.83
15	16QAM	36	20	20.96	21.04	21.08
15	16QAM	36	39	21.05	21.08	20.92
15	16QAM	75	0	20.88	20.97	21.01
15	64QAM	1	0	20.90	20.97	20.80
15	64QAM	1	37	21.18	21.18	21.12
15	64QAM	1	74	21.02	21.10	20.98
15	64QAM	36	0	19.86	20.01	19.90
15	64QAM	36	20	20.02	20.10	20.04
15	64QAM	36	39	20.04	20.09	19.95
15	64QAM	75	0	19.92	20.03	19.98



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	22.86	22.84	22.83
10	QPSK	1	25	23.06	23.07	23.13
10	QPSK	1	49	22.86	22.92	22.85
10	QPSK	25	0	21.95	21.91	21.89
10	QPSK	25	12	21.99	22.12	21.95
10	QPSK	25	25	22.00	22.10	22.00
10	QPSK	50	0	21.98	22.00	22.03
10	16QAM	1	0	22.10	22.21	22.08
10	16QAM	1	25	22.41	22.38	22.28
10	16QAM	1	49	22.13	22.14	22.14
10	16QAM	25	0	20.90	20.94	20.90
10	16QAM	25	12	20.91	21.06	21.03
10	16QAM	25	25	21.02	21.00	20.91
10	16QAM	50	0	20.89	20.97	21.00
10	64QAM	1	0	20.94	20.96	20.79
10	64QAM	1	25	21.19	21.25	21.16
10	64QAM	1	49	21.03	21.10	21.00
10	64QAM	25	0	19.92	19.98	19.92
10	64QAM	25	12	20.03	20.06	19.98
10	64QAM	25	25	20.02	20.06	20.00
10	64QAM	50	0	20.00	19.98	19.99



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	22.84	22.86	22.85
5	QPSK	1	12	23.11	23.12	23.04
5	QPSK	1	24	22.87	22.91	22.90
5	QPSK	12	0	21.94	21.97	21.92
5	QPSK	12	7	22.03	22.12	22.00
5	QPSK	12	13	22.04	22.13	22.04
5	QPSK	25	0	21.96	22.02	22.00
5	16QAM	1	0	22.13	22.15	22.13
5	16QAM	1	12	22.36	22.38	22.37
5	16QAM	1	24	22.15	22.20	22.08
5	16QAM	12	0	20.98	20.92	20.86
5	16QAM	12	7	20.98	21.06	20.99
5	16QAM	12	13	20.97	21.09	20.91
5	16QAM	25	0	20.91	20.97	20.96
5	64QAM	1	0	20.91	20.93	20.83
5	64QAM	1	12	21.17	21.26	21.09
5	64QAM	1	24	21.01	21.07	21.04
5	64QAM	12	0	19.83	20.00	19.87
5	64QAM	12	7	20.03	20.05	20.05
5	64QAM	12	13	20.00	20.01	19.94
5	64QAM	25	0	19.99	19.99	19.98

**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	20.66	0.116	20.81	0.121	20.69	0.117
20	QPSK	1	49	21.00	0.126	21.05	0.127	20.97	0.125
20	QPSK	1	99	20.68	0.117	20.74	0.119	20.67	0.117
20	QPSK	50	0	19.88	0.097	19.95	0.099	19.94	0.099
20	QPSK	50	24	20.01	0.100	20.04	0.101	19.95	0.099
20	QPSK	50	50	19.93	0.098	20.01	0.100	19.96	0.099
20	QPSK	100	0	19.94	0.099	19.98	0.100	19.92	0.098
20	16QAM	1	0	19.99	0.100	20.07	0.102	19.99	0.100
20	16QAM	1	49	20.24	0.106	20.26	0.106	20.20	0.105
20	16QAM	1	99	19.95	0.099	20.04	0.101	19.96	0.099
20	16QAM	50	0	18.91	0.078	18.97	0.079	18.94	0.078
20	16QAM	50	24	18.92	0.078	19.02	0.080	18.94	0.078
20	16QAM	50	50	18.91	0.078	18.99	0.079	18.95	0.079
20	16QAM	100	0	18.91	0.078	18.98	0.079	18.91	0.078
20	64QAM	1	0	19.09	0.081	19.12	0.082	19.02	0.080
20	64QAM	1	49	18.95	0.079	18.98	0.079	18.89	0.077
20	64QAM	1	99	18.86	0.077	18.96	0.079	18.88	0.077
20	64QAM	50	0	17.98	0.063	17.99	0.063	17.95	0.062
20	64QAM	50	24	17.95	0.062	18.03	0.064	17.96	0.063
20	64QAM	50	50	17.98	0.063	18.01	0.063	18.00	0.063
20	64QAM	100	0	17.94	0.062	17.98	0.063	17.96	0.063



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18675		18900		19125	
Frequency (MHz)				1857.5		1880		1902.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	20.58	0.114	20.74	0.119	20.59	0.115
15	QPSK	1	37	20.90	0.123	20.96	0.125	20.87	0.122
15	QPSK	1	74	20.59	0.115	20.72	0.118	20.62	0.115
15	QPSK	36	0	19.87	0.097	19.88	0.097	19.88	0.097
15	QPSK	36	20	19.91	0.098	19.99	0.100	19.89	0.097
15	QPSK	36	39	19.87	0.097	20.00	0.100	19.95	0.099
15	QPSK	75	0	19.89	0.097	19.97	0.099	19.89	0.097
15	16QAM	1	0	19.92	0.098	19.97	0.099	19.93	0.098
15	16QAM	1	37	20.18	0.104	20.24	0.106	20.18	0.104
15	16QAM	1	74	19.88	0.097	20.03	0.101	19.89	0.097
15	16QAM	36	0	18.81	0.076	18.93	0.078	18.87	0.077
15	16QAM	36	20	18.90	0.078	19.00	0.079	18.84	0.077
15	16QAM	36	39	18.89	0.077	18.92	0.078	18.92	0.078
15	16QAM	75	0	18.83	0.076	18.96	0.079	18.89	0.077
15	64QAM	1	0	19.07	0.081	19.06	0.081	18.94	0.078
15	64QAM	1	37	18.92	0.078	18.93	0.078	18.80	0.076
15	64QAM	1	74	18.84	0.077	18.90	0.078	18.84	0.077
15	64QAM	36	0	17.89	0.062	17.97	0.063	17.85	0.061
15	64QAM	36	20	17.92	0.062	17.98	0.063	17.87	0.061
15	64QAM	36	39	17.91	0.062	17.99	0.063	17.98	0.063
15	64QAM	75	0	17.89	0.062	17.93	0.062	17.94	0.062



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	20.63	0.116	20.71	0.118	20.66	0.116
10	QPSK	1	25	20.92	0.124	21.02	0.126	20.89	0.123
10	QPSK	1	49	20.64	0.116	20.67	0.117	20.66	0.116
10	QPSK	25	0	19.81	0.096	19.87	0.097	19.93	0.098
10	QPSK	25	12	19.91	0.098	19.94	0.099	19.86	0.097
10	QPSK	25	25	19.92	0.098	19.93	0.098	19.88	0.097
10	QPSK	50	0	19.84	0.096	19.89	0.097	19.83	0.096
10	16QAM	1	0	19.96	0.099	20.03	0.101	19.91	0.098
10	16QAM	1	25	20.16	0.104	20.23	0.105	20.14	0.103
10	16QAM	1	49	19.90	0.098	20.01	0.100	19.86	0.097
10	16QAM	25	0	18.88	0.077	18.93	0.078	18.88	0.077
10	16QAM	25	12	18.89	0.077	18.97	0.079	18.87	0.077
10	16QAM	25	25	18.81	0.076	18.98	0.079	18.93	0.078
10	16QAM	50	0	18.88	0.077	18.92	0.078	18.88	0.077
10	64QAM	1	0	19.01	0.080	19.07	0.081	19.01	0.080
10	64QAM	1	25	18.94	0.078	18.90	0.078	18.86	0.077
10	64QAM	1	49	18.84	0.077	18.88	0.077	18.85	0.077
10	64QAM	25	0	17.93	0.062	17.98	0.063	17.94	0.062
10	64QAM	25	12	17.85	0.061	17.96	0.063	17.94	0.062
10	64QAM	25	25	17.89	0.062	17.95	0.062	17.97	0.063
10	64QAM	50	0	17.88	0.061	17.90	0.062	17.90	0.062



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	20.65	0.116	20.74	0.119	20.68	0.117
5	QPSK	1	12	20.99	0.126	21.03	0.127	20.91	0.123
5	QPSK	1	24	20.59	0.115	20.69	0.117	20.65	0.116
5	QPSK	12	0	19.82	0.096	19.85	0.097	19.89	0.097
5	QPSK	12	7	19.91	0.098	20.00	0.100	19.94	0.099
5	QPSK	12	13	19.88	0.097	19.98	0.100	19.89	0.097
5	QPSK	25	0	19.87	0.097	19.92	0.098	19.85	0.097
5	16QAM	1	0	19.91	0.098	20.04	0.101	19.92	0.098
5	16QAM	1	12	20.16	0.104	20.19	0.104	20.13	0.103
5	16QAM	1	24	19.85	0.097	19.97	0.099	19.87	0.097
5	16QAM	12	0	18.82	0.076	18.93	0.078	18.90	0.078
5	16QAM	12	7	18.89	0.077	18.94	0.078	18.84	0.077
5	16QAM	12	13	18.87	0.077	18.91	0.078	18.93	0.078
5	16QAM	25	0	18.85	0.077	18.96	0.079	18.86	0.077
5	64QAM	1	0	19.06	0.081	19.07	0.081	18.96	0.079
5	64QAM	1	12	18.92	0.078	18.93	0.078	18.79	0.076
5	64QAM	1	24	18.79	0.076	18.86	0.077	18.80	0.076
5	64QAM	12	0	17.97	0.063	17.90	0.062	17.85	0.061
5	64QAM	12	7	17.89	0.062	17.98	0.063	17.88	0.061
5	64QAM	12	13	17.96	0.063	17.97	0.063	17.90	0.062
5	64QAM	25	0	17.92	0.062	17.97	0.063	17.86	0.061



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	20.65	0.116	20.73	0.118	20.68	0.117
3	QPSK	1	8	20.91	0.123	21.01	0.126	20.92	0.124
3	QPSK	1	14	20.60	0.115	20.70	0.117	20.64	0.116
3	QPSK	8	0	19.82	0.096	19.93	0.098	19.84	0.096
3	QPSK	8	4	19.96	0.099	20.03	0.101	19.85	0.097
3	QPSK	8	7	19.90	0.098	19.98	0.100	19.93	0.098
3	QPSK	15	0	19.88	0.097	19.96	0.099	19.82	0.096
3	16QAM	1	0	19.97	0.099	19.99	0.100	19.94	0.099
3	16QAM	1	8	20.20	0.105	20.24	0.106	20.13	0.103
3	16QAM	1	14	19.89	0.097	20.03	0.101	19.92	0.098
3	16QAM	8	0	18.87	0.077	18.90	0.078	18.92	0.078
3	16QAM	8	4	18.87	0.077	18.98	0.079	18.84	0.077
3	16QAM	8	7	18.90	0.078	18.91	0.078	18.94	0.078
3	16QAM	15	0	18.90	0.078	18.91	0.078	18.82	0.076
3	64QAM	1	0	19.03	0.080	19.03	0.080	18.99	0.079
3	64QAM	1	8	18.90	0.078	18.93	0.078	18.84	0.077
3	64QAM	1	14	18.80	0.076	18.92	0.078	18.81	0.076
3	64QAM	8	0	17.95	0.062	17.91	0.062	17.90	0.062
3	64QAM	8	4	17.87	0.061	18.00	0.063	17.87	0.061
3	64QAM	8	7	17.94	0.062	17.94	0.062	17.92	0.062
3	64QAM	15	0	17.84	0.061	17.96	0.063	17.93	0.062



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	20.58	0.114	20.73	0.118	20.63	0.116
1.4	QPSK	1	3	20.94	0.124	21.04	0.127	20.93	0.124
1.4	QPSK	1	5	20.58	0.114	20.67	0.117	20.57	0.114
1.4	QPSK	3	0	20.68	0.117	20.77	0.119	20.81	0.121
1.4	QPSK	3	1	20.85	0.122	20.90	0.123	20.77	0.119
1.4	QPSK	3	3	20.79	0.120	20.82	0.121	20.81	0.121
1.4	QPSK	6	0	19.85	0.097	19.88	0.097	19.85	0.097
1.4	16QAM	1	0	19.95	0.099	19.97	0.099	19.96	0.099
1.4	16QAM	1	3	20.22	0.105	20.25	0.106	20.17	0.104
1.4	16QAM	1	5	19.93	0.098	19.99	0.100	19.95	0.099
1.4	16QAM	3	0	19.74	0.094	19.77	0.095	19.78	0.095
1.4	16QAM	3	1	19.77	0.095	19.83	0.096	19.81	0.096
1.4	16QAM	3	3	19.71	0.094	19.81	0.096	19.75	0.094
1.4	16QAM	6	0	18.87	0.077	18.94	0.078	18.86	0.077
1.4	64QAM	1	0	19.04	0.080	19.05	0.080	18.99	0.079
1.4	64QAM	1	3	18.92	0.078	18.92	0.078	18.82	0.076
1.4	64QAM	1	5	18.77	0.075	18.93	0.078	18.83	0.076
1.4	64QAM	3	0	18.85	0.077	18.80	0.076	18.79	0.076
1.4	64QAM	3	1	18.78	0.076	18.87	0.077	18.76	0.075
1.4	64QAM	3	3	18.82	0.076	18.82	0.076	18.81	0.076
1.4	64QAM	6	0	17.84	0.061	17.97	0.063	17.88	0.061



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20050		20175		20300	
Frequency (MHz)				1720		1732.5		1745	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	20.57	0.114	20.50	0.112	20.44	0.111
20	QPSK	1	49	20.73	0.118	20.64	0.116	20.71	0.118
20	QPSK	1	99	20.45	0.111	20.37	0.109	20.41	0.110
20	QPSK	50	0	19.69	0.093	19.67	0.093	19.68	0.093
20	QPSK	50	24	19.75	0.094	19.72	0.094	19.65	0.092
20	QPSK	50	50	19.61	0.091	19.60	0.091	19.59	0.091
20	QPSK	100	0	19.67	0.093	19.57	0.091	19.63	0.092
20	16QAM	1	0	19.92	0.098	19.91	0.098	19.88	0.097
20	16QAM	1	49	20.08	0.102	20.06	0.101	20.03	0.101
20	16QAM	1	99	19.75	0.094	19.66	0.092	19.70	0.093
20	16QAM	50	0	18.73	0.075	18.66	0.073	18.70	0.074
20	16QAM	50	24	18.75	0.075	18.73	0.075	18.67	0.074
20	16QAM	50	50	18.68	0.074	18.58	0.072	18.60	0.072
20	16QAM	100	0	18.70	0.074	18.62	0.073	18.69	0.074
20	64QAM	1	0	18.70	0.074	18.60	0.072	18.66	0.073
20	64QAM	1	49	18.94	0.078	18.89	0.077	18.92	0.078
20	64QAM	1	99	18.62	0.073	18.55	0.072	18.60	0.072
20	64QAM	50	0	17.75	0.060	17.65	0.058	17.74	0.059
20	64QAM	50	24	17.73	0.059	17.69	0.059	17.68	0.059
20	64QAM	50	50	17.68	0.059	17.63	0.058	17.59	0.057
20	64QAM	100	0	17.71	0.059	17.66	0.058	17.63	0.058



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	20.47	0.111	20.47	0.111	20.41	0.110
15	QPSK	1	37	20.67	0.117	20.54	0.113	20.62	0.115
15	QPSK	1	74	20.43	0.110	20.34	0.108	20.31	0.107
15	QPSK	36	0	19.63	0.092	19.66	0.092	19.61	0.091
15	QPSK	36	20	19.71	0.094	19.71	0.094	19.59	0.091
15	QPSK	36	39	19.53	0.090	19.52	0.090	19.54	0.090
15	QPSK	75	0	19.62	0.092	19.55	0.090	19.60	0.091
15	16QAM	1	0	19.82	0.096	19.88	0.097	19.83	0.096
15	16QAM	1	37	20.04	0.101	19.96	0.099	20.01	0.100
15	16QAM	1	74	19.72	0.094	19.59	0.091	19.68	0.093
15	16QAM	36	0	18.70	0.074	18.64	0.073	18.61	0.073
15	16QAM	36	20	18.66	0.073	18.70	0.074	18.64	0.073
15	16QAM	36	39	18.58	0.072	18.53	0.071	18.58	0.072
15	16QAM	75	0	18.64	0.073	18.55	0.072	18.59	0.072
15	64QAM	1	0	18.69	0.074	18.52	0.071	18.60	0.072
15	64QAM	1	37	18.85	0.077	18.81	0.076	18.82	0.076
15	64QAM	1	74	18.53	0.071	18.47	0.070	18.56	0.072
15	64QAM	36	0	17.67	0.058	17.60	0.058	17.64	0.058
15	64QAM	36	20	17.70	0.059	17.66	0.058	17.67	0.058
15	64QAM	36	39	17.65	0.058	17.53	0.057	17.53	0.057
15	64QAM	75	0	17.68	0.059	17.58	0.057	17.58	0.057



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20000		20175		20350	
Frequency (MHz)				1715		1732.5		1750	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	20.54	0.113	20.44	0.111	20.34	0.108
10	QPSK	1	25	20.68	0.117	20.60	0.115	20.63	0.116
10	QPSK	1	49	20.35	0.108	20.36	0.109	20.38	0.109
10	QPSK	25	0	19.62	0.092	19.64	0.092	19.67	0.093
10	QPSK	25	12	19.69	0.093	19.67	0.093	19.63	0.092
10	QPSK	25	25	19.54	0.090	19.58	0.091	19.53	0.090
10	QPSK	50	0	19.66	0.092	19.50	0.089	19.61	0.091
10	16QAM	1	0	19.88	0.097	19.86	0.097	19.86	0.097
10	16QAM	1	25	19.98	0.100	20.00	0.100	19.96	0.099
10	16QAM	1	49	19.74	0.094	19.64	0.092	19.66	0.092
10	16QAM	25	0	18.69	0.074	18.58	0.072	18.68	0.074
10	16QAM	25	12	18.71	0.074	18.69	0.074	18.57	0.072
10	16QAM	25	25	18.59	0.072	18.50	0.071	18.56	0.072
10	16QAM	50	0	18.69	0.074	18.57	0.072	18.68	0.074
10	64QAM	1	0	18.60	0.072	18.53	0.071	18.60	0.072
10	64QAM	1	25	18.85	0.077	18.84	0.077	18.85	0.077
10	64QAM	1	49	18.54	0.071	18.52	0.071	18.51	0.071
10	64QAM	25	0	17.70	0.059	17.61	0.058	17.66	0.058
10	64QAM	25	12	17.72	0.059	17.63	0.058	17.67	0.058
10	64QAM	25	25	17.67	0.058	17.59	0.057	17.55	0.057
10	64QAM	50	0	17.64	0.058	17.58	0.057	17.54	0.057



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19975		20175		20375	
Frequency (MHz)				1712.5		1732.5		1752.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	20.48	0.112	20.43	0.110	20.43	0.110
5	QPSK	1	12	20.70	0.117	20.54	0.113	20.69	0.117
5	QPSK	1	24	20.43	0.110	20.30	0.107	20.36	0.109
5	QPSK	12	0	19.64	0.092	19.61	0.091	19.66	0.092
5	QPSK	12	7	19.73	0.094	19.62	0.092	19.64	0.092
5	QPSK	12	13	19.53	0.090	19.55	0.090	19.55	0.090
5	QPSK	25	0	19.57	0.091	19.54	0.090	19.54	0.090
5	16QAM	1	0	19.83	0.096	19.88	0.097	19.86	0.097
5	16QAM	1	12	20.04	0.101	20.03	0.101	20.01	0.100
5	16QAM	1	24	19.66	0.092	19.57	0.091	19.65	0.092
5	16QAM	12	0	18.66	0.073	18.65	0.073	18.68	0.074
5	16QAM	12	7	18.66	0.073	18.70	0.074	18.63	0.073
5	16QAM	12	13	18.60	0.072	18.56	0.072	18.59	0.072
5	16QAM	25	0	18.65	0.073	18.58	0.072	18.61	0.073
5	64QAM	1	0	18.65	0.073	18.52	0.071	18.63	0.073
5	64QAM	1	12	18.92	0.078	18.80	0.076	18.85	0.077
5	64QAM	1	24	18.58	0.072	18.53	0.071	18.58	0.072
5	64QAM	12	0	17.65	0.058	17.55	0.057	17.69	0.059
5	64QAM	12	7	17.70	0.059	17.64	0.058	17.59	0.057
5	64QAM	12	13	17.58	0.057	17.55	0.057	17.52	0.056
5	64QAM	25	0	17.66	0.058	17.59	0.057	17.54	0.057



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	20.54	0.113	20.46	0.111	20.34	0.108
3	QPSK	1	8	20.72	0.118	20.55	0.114	20.68	0.117
3	QPSK	1	14	20.38	0.109	20.29	0.107	20.36	0.109
3	QPSK	8	0	19.68	0.093	19.58	0.091	19.65	0.092
3	QPSK	8	4	19.67	0.093	19.70	0.093	19.59	0.091
3	QPSK	8	7	19.54	0.090	19.55	0.090	19.58	0.091
3	QPSK	15	0	19.65	0.092	19.47	0.089	19.62	0.092
3	16QAM	1	0	19.84	0.096	19.90	0.098	19.86	0.097
3	16QAM	1	8	20.01	0.100	20.03	0.101	19.97	0.099
3	16QAM	1	14	19.74	0.094	19.64	0.092	19.62	0.092
3	16QAM	8	0	18.63	0.073	18.62	0.073	18.68	0.074
3	16QAM	8	4	18.71	0.074	18.64	0.073	18.58	0.072
3	16QAM	8	7	18.67	0.074	18.55	0.072	18.54	0.071
3	16QAM	15	0	18.62	0.073	18.56	0.072	18.62	0.073
3	64QAM	1	0	18.66	0.073	18.53	0.071	18.58	0.072
3	64QAM	1	8	18.93	0.078	18.84	0.077	18.85	0.077
3	64QAM	1	14	18.55	0.072	18.47	0.070	18.55	0.072
3	64QAM	8	0	17.67	0.058	17.62	0.058	17.71	0.059
3	64QAM	8	4	17.69	0.059	17.59	0.057	17.62	0.058
3	64QAM	8	7	17.67	0.058	17.56	0.057	17.52	0.056
3	64QAM	15	0	17.65	0.058	17.59	0.057	17.60	0.058



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19957		20175		20393	
Frequency (MHz)				1710.7		1732.5		1754.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	20.53	0.113	20.47	0.111	20.34	0.108
1.4	QPSK	1	3	20.66	0.116	20.58	0.114	20.61	0.115
1.4	QPSK	1	5	20.37	0.109	20.29	0.107	20.31	0.107
1.4	QPSK	3	0	20.48	0.112	20.48	0.112	20.52	0.113
1.4	QPSK	3	1	20.57	0.114	20.57	0.114	20.44	0.111
1.4	QPSK	3	3	20.43	0.110	20.44	0.111	20.37	0.109
1.4	QPSK	6	0	19.63	0.092	19.53	0.090	19.55	0.090
1.4	16QAM	1	0	19.86	0.097	19.88	0.097	19.79	0.095
1.4	16QAM	1	3	20.02	0.100	20.03	0.101	19.98	0.100
1.4	16QAM	1	5	19.66	0.092	19.60	0.091	19.63	0.092
1.4	16QAM	3	0	19.55	0.090	19.50	0.089	19.49	0.089
1.4	16QAM	3	1	19.54	0.090	19.56	0.090	19.53	0.090
1.4	16QAM	3	3	19.50	0.089	19.44	0.088	19.38	0.087
1.4	16QAM	6	0	18.62	0.073	18.58	0.072	18.66	0.073
1.4	64QAM	1	0	18.60	0.072	18.58	0.072	18.64	0.073
1.4	64QAM	1	3	18.91	0.078	18.79	0.076	18.86	0.077
1.4	64QAM	1	5	18.52	0.071	18.45	0.070	18.53	0.071
1.4	64QAM	3	0	18.57	0.072	18.52	0.071	18.54	0.071
1.4	64QAM	3	1	18.55	0.072	18.52	0.071	18.50	0.071
1.4	64QAM	3	3	18.53	0.071	18.45	0.070	18.39	0.069
1.4	64QAM	6	0	17.70	0.059	17.63	0.058	17.53	0.057



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	17.63	0.058	17.64	0.058	17.60	0.058
10	QPSK	1	25	17.61	0.058	17.68	0.059	17.63	0.058
10	QPSK	1	49	17.49	0.056	17.53	0.057	17.52	0.056
10	QPSK	25	0	16.62	0.046	16.63	0.046	16.56	0.045
10	QPSK	25	12	16.63	0.046	16.69	0.047	16.60	0.046
10	QPSK	25	25	16.59	0.046	16.63	0.046	16.60	0.046
10	QPSK	50	0	16.59	0.046	16.68	0.047	16.67	0.046
10	16QAM	1	0	16.86	0.049	16.90	0.049	16.81	0.048
10	16QAM	1	25	16.77	0.048	16.87	0.049	16.79	0.048
10	16QAM	1	49	16.70	0.047	16.78	0.048	16.71	0.047
10	16QAM	25	0	15.72	0.037	15.78	0.038	15.70	0.037
10	16QAM	25	12	15.75	0.038	15.76	0.038	15.68	0.037
10	16QAM	25	25	15.70	0.037	15.74	0.037	15.68	0.037
10	16QAM	50	0	15.67	0.037	15.75	0.038	15.74	0.037
10	64QAM	1	0	15.82	0.038	15.90	0.039	15.83	0.038
10	64QAM	1	25	15.81	0.038	15.87	0.039	15.86	0.039
10	64QAM	1	49	15.80	0.038	15.82	0.038	15.81	0.038
10	64QAM	25	0	14.71	0.030	14.74	0.030	14.72	0.030
10	64QAM	25	12	14.67	0.029	14.73	0.030	14.64	0.029
10	64QAM	25	25	14.65	0.029	14.71	0.030	14.69	0.029
10	64QAM	50	0	14.68	0.029	14.70	0.030	14.61	0.029



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	17.54	0.057	17.54	0.057	17.58	0.057
5	QPSK	1	12	17.52	0.056	17.64	0.058	17.55	0.057
5	QPSK	1	24	17.42	0.055	17.49	0.056	17.45	0.056
5	QPSK	12	0	16.61	0.046	16.53	0.045	16.46	0.044
5	QPSK	12	7	16.57	0.045	16.59	0.046	16.51	0.045
5	QPSK	12	13	16.53	0.045	16.55	0.045	16.51	0.045
5	QPSK	25	0	16.57	0.045	16.63	0.046	16.66	0.046
5	16QAM	1	0	16.78	0.048	16.84	0.048	16.73	0.047
5	16QAM	1	12	16.70	0.047	16.83	0.048	16.71	0.047
5	16QAM	1	24	16.65	0.046	16.69	0.047	16.61	0.046
5	16QAM	12	0	15.68	0.037	15.71	0.037	15.65	0.037
5	16QAM	12	7	15.68	0.037	15.71	0.037	15.63	0.037
5	16QAM	12	13	15.62	0.036	15.67	0.037	15.58	0.036
5	16QAM	25	0	15.57	0.036	15.66	0.037	15.64	0.037
5	64QAM	1	0	15.81	0.038	15.89	0.039	15.78	0.038
5	64QAM	1	12	15.77	0.038	15.86	0.039	15.76	0.038
5	64QAM	1	24	15.73	0.037	15.74	0.037	15.79	0.038
5	64QAM	12	0	14.62	0.029	14.72	0.030	14.65	0.029
5	64QAM	12	7	14.61	0.029	14.72	0.030	14.62	0.029
5	64QAM	12	13	14.55	0.029	14.61	0.029	14.67	0.029
5	64QAM	25	0	14.67	0.029	14.63	0.029	14.59	0.029



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	17.58	0.057	17.60	0.058	17.56	0.057
3	QPSK	1	8	17.59	0.057	17.65	0.058	17.58	0.057
3	QPSK	1	14	17.47	0.056	17.52	0.056	17.45	0.056
3	QPSK	8	0	16.58	0.045	16.61	0.046	16.55	0.045
3	QPSK	8	4	16.60	0.046	16.60	0.046	16.59	0.046
3	QPSK	8	7	16.57	0.045	16.56	0.045	16.50	0.045
3	QPSK	15	0	16.55	0.045	16.65	0.046	16.63	0.046
3	16QAM	1	0	16.85	0.048	16.81	0.048	16.74	0.047
3	16QAM	1	8	16.69	0.047	16.78	0.048	16.76	0.047
3	16QAM	1	14	16.60	0.046	16.71	0.047	16.61	0.046
3	16QAM	8	0	15.68	0.037	15.76	0.038	15.63	0.037
3	16QAM	8	4	15.72	0.037	15.68	0.037	15.59	0.036
3	16QAM	8	7	15.66	0.037	15.72	0.037	15.63	0.037
3	16QAM	15	0	15.63	0.037	15.68	0.037	15.70	0.037
3	64QAM	1	0	15.74	0.037	15.83	0.038	15.77	0.038
3	64QAM	1	8	15.76	0.038	15.82	0.038	15.79	0.038
3	64QAM	1	14	15.73	0.037	15.81	0.038	15.73	0.037
3	64QAM	8	0	14.70	0.030	14.64	0.029	14.65	0.029
3	64QAM	8	4	14.65	0.029	14.69	0.029	14.63	0.029
3	64QAM	8	7	14.58	0.029	14.65	0.029	14.67	0.029
3	64QAM	15	0	14.62	0.029	14.62	0.029	14.54	0.028



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	17.58	0.057	17.62	0.058	17.59	0.057
1.4	QPSK	1	3	17.53	0.057	17.67	0.058	17.57	0.057
1.4	QPSK	1	5	17.44	0.055	17.46	0.056	17.45	0.056
1.4	QPSK	3	0	16.57	0.045	16.53	0.045	16.52	0.045
1.4	QPSK	3	1	16.62	0.046	16.61	0.046	16.53	0.045
1.4	QPSK	3	3	16.50	0.045	16.57	0.045	16.54	0.045
1.4	QPSK	6	0	16.57	0.045	16.63	0.046	16.60	0.046
1.4	16QAM	1	0	16.79	0.048	16.88	0.049	16.76	0.047
1.4	16QAM	1	3	16.71	0.047	16.82	0.048	16.74	0.047
1.4	16QAM	1	5	16.67	0.046	16.72	0.047	16.61	0.046
1.4	16QAM	3	0	15.62	0.036	15.72	0.037	15.64	0.037
1.4	16QAM	3	1	15.73	0.037	15.70	0.037	15.61	0.036
1.4	16QAM	3	3	15.62	0.036	15.66	0.037	15.64	0.037
1.4	16QAM	6	0	15.59	0.036	15.65	0.037	15.69	0.037
1.4	64QAM	1	0	15.80	0.038	15.85	0.038	15.80	0.038
1.4	64QAM	1	3	15.77	0.038	15.77	0.038	15.84	0.038
1.4	64QAM	1	5	15.74	0.037	15.78	0.038	15.80	0.038
1.4	64QAM	3	0	14.64	0.029	14.66	0.029	14.67	0.029
1.4	64QAM	3	1	14.63	0.029	14.67	0.029	14.58	0.029
1.4	64QAM	3	3	14.61	0.029	14.61	0.029	14.64	0.029
1.4	64QAM	6	0	14.63	0.029	14.64	0.029	14.60	0.029



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	22.81	0.191	22.86	0.193	22.87	0.194
20	QPSK	1	49	23.26	0.212	23.22	0.210	23.29	0.213
20	QPSK	1	99	23.01	0.200	23.04	0.201	23.12	0.205
20	QPSK	50	0	22.19	0.166	22.16	0.164	22.21	0.166
20	QPSK	50	24	22.32	0.171	22.23	0.167	22.33	0.171
20	QPSK	50	50	22.28	0.169	22.18	0.165	22.27	0.169
20	QPSK	100	0	22.25	0.168	22.28	0.169	22.30	0.170
20	16QAM	1	0	22.10	0.162	22.14	0.164	22.19	0.166
20	16QAM	1	49	22.42	0.175	22.30	0.170	22.40	0.174
20	16QAM	1	99	22.34	0.171	22.32	0.171	22.37	0.173
20	16QAM	50	0	21.15	0.130	21.13	0.130	21.18	0.131
20	16QAM	50	24	21.25	0.133	21.18	0.131	21.27	0.134
20	16QAM	50	50	21.21	0.132	21.18	0.131	21.28	0.134
20	16QAM	100	0	21.19	0.132	21.11	0.129	21.21	0.132
20	64QAM	1	0	21.07	0.128	21.03	0.127	21.12	0.129
20	64QAM	1	49	21.30	0.135	21.27	0.134	21.32	0.136
20	64QAM	1	99	21.17	0.131	21.18	0.131	21.25	0.133
20	64QAM	50	0	20.12	0.103	20.09	0.102	20.18	0.104
20	64QAM	50	24	20.25	0.106	20.22	0.105	20.28	0.107
20	64QAM	50	50	20.22	0.105	20.30	0.107	20.31	0.107
20	64QAM	100	0	20.20	0.105	20.16	0.104	20.20	0.105



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	22.75	0.188	22.80	0.191	22.81	0.191
15	QPSK	1	37	23.12	0.205	23.17	0.207	23.24	0.211
15	QPSK	1	74	22.95	0.197	23.02	0.200	23.11	0.205
15	QPSK	36	0	22.18	0.165	22.11	0.163	22.16	0.164
15	QPSK	36	20	22.31	0.170	22.14	0.164	22.30	0.170
15	QPSK	36	39	22.25	0.168	22.15	0.164	22.18	0.165
15	QPSK	75	0	22.22	0.167	22.21	0.166	22.26	0.168
15	16QAM	1	0	22.08	0.161	22.08	0.161	22.11	0.163
15	16QAM	1	37	22.32	0.171	22.23	0.167	22.37	0.173
15	16QAM	1	74	22.30	0.170	22.29	0.169	22.32	0.171
15	16QAM	36	0	21.05	0.127	21.12	0.129	21.16	0.131
15	16QAM	36	20	21.19	0.132	21.09	0.129	21.24	0.133
15	16QAM	36	39	21.18	0.131	21.10	0.129	21.19	0.132
15	16QAM	75	0	21.15	0.130	21.09	0.129	21.16	0.131
15	64QAM	1	0	20.97	0.125	21.01	0.126	21.11	0.129
15	64QAM	1	37	21.24	0.133	21.25	0.133	21.24	0.133
15	64QAM	1	74	21.16	0.131	21.16	0.131	21.16	0.131
15	64QAM	36	0	20.07	0.102	20.02	0.100	20.13	0.103
15	64QAM	36	20	20.16	0.104	20.20	0.105	20.25	0.106
15	64QAM	36	39	20.12	0.103	20.23	0.105	20.28	0.107
15	64QAM	75	0	20.13	0.103	20.09	0.102	20.16	0.104



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	22.79	0.190	22.81	0.191	22.79	0.190
10	QPSK	1	25	23.12	0.205	23.18	0.208	23.22	0.210
10	QPSK	1	49	22.91	0.195	22.96	0.198	23.03	0.201
10	QPSK	25	0	22.16	0.164	22.07	0.161	22.16	0.164
10	QPSK	25	12	22.29	0.169	22.16	0.164	22.31	0.170
10	QPSK	25	25	22.20	0.166	22.08	0.161	22.24	0.167
10	QPSK	50	0	22.16	0.164	22.24	0.167	22.21	0.166
10	16QAM	1	0	22.07	0.161	22.13	0.163	22.12	0.163
10	16QAM	1	25	22.41	0.174	22.21	0.166	22.38	0.173
10	16QAM	1	49	22.24	0.167	22.23	0.167	22.32	0.171
10	16QAM	25	0	21.05	0.127	21.08	0.128	21.11	0.129
10	16QAM	25	12	21.17	0.131	21.11	0.129	21.19	0.132
10	16QAM	25	25	21.16	0.131	21.15	0.130	21.21	0.132
10	16QAM	50	0	21.15	0.130	21.06	0.128	21.18	0.131
10	64QAM	1	0	21.02	0.126	20.93	0.124	21.11	0.129
10	64QAM	1	25	21.22	0.132	21.24	0.133	21.27	0.134
10	64QAM	1	49	21.07	0.128	21.09	0.129	21.22	0.132
10	64QAM	25	0	20.02	0.100	19.99	0.100	20.08	0.102
10	64QAM	25	12	20.21	0.105	20.15	0.104	20.20	0.105
10	64QAM	25	25	20.13	0.103	20.29	0.107	20.23	0.105
10	64QAM	50	0	20.13	0.103	20.13	0.103	20.13	0.103



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	22.73	0.187	22.84	0.192	22.86	0.193
5	QPSK	1	12	23.17	0.207	23.14	0.206	23.19	0.208
5	QPSK	1	24	22.93	0.196	22.96	0.198	23.11	0.205
5	QPSK	12	0	22.15	0.164	22.09	0.162	22.20	0.166
5	QPSK	12	7	22.25	0.168	22.19	0.166	22.25	0.168
5	QPSK	12	13	22.22	0.167	22.13	0.163	22.22	0.167
5	QPSK	25	0	22.17	0.165	22.20	0.166	22.20	0.166
5	16QAM	1	0	22.07	0.161	22.06	0.161	22.10	0.162
5	16QAM	1	12	22.37	0.173	22.21	0.166	22.34	0.171
5	16QAM	1	24	22.25	0.168	22.27	0.169	22.35	0.172
5	16QAM	12	0	21.09	0.129	21.03	0.127	21.16	0.131
5	16QAM	12	7	21.15	0.130	21.10	0.129	21.17	0.131
5	16QAM	12	13	21.11	0.129	21.09	0.129	21.23	0.133
5	16QAM	25	0	21.11	0.129	21.02	0.126	21.18	0.131
5	64QAM	1	0	21.06	0.128	20.94	0.124	21.06	0.128
5	64QAM	1	12	21.21	0.132	21.21	0.132	21.26	0.134
5	64QAM	1	24	21.13	0.130	21.11	0.129	21.22	0.132
5	64QAM	12	0	20.05	0.101	20.04	0.101	20.10	0.102
5	64QAM	12	7	20.19	0.104	20.12	0.103	20.19	0.104
5	64QAM	12	13	20.16	0.104	20.25	0.106	20.29	0.107
5	64QAM	25	0	20.11	0.103	20.13	0.103	20.18	0.104



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	17.59	0.057	17.61	0.058	17.57	0.057
10	QPSK	1	25	17.71	0.059	17.75	0.060	17.68	0.059
10	QPSK	1	49	17.58	0.057	17.67	0.058	17.59	0.057
10	QPSK	25	0	16.68	0.047	16.72	0.047	16.62	0.046
10	QPSK	25	12	16.76	0.047	16.82	0.048	16.74	0.047
10	QPSK	25	25	16.75	0.047	16.80	0.048	16.78	0.048
10	QPSK	50	0	16.76	0.047	16.78	0.048	16.75	0.047
10	16QAM	1	0	16.93	0.049	16.95	0.050	16.85	0.048
10	16QAM	1	25	16.97	0.050	17.05	0.051	16.97	0.050
10	16QAM	1	49	16.97	0.050	16.98	0.050	16.89	0.049
10	16QAM	25	0	15.62	0.036	15.72	0.037	15.63	0.037
10	16QAM	25	12	15.72	0.037	15.82	0.038	15.72	0.037
10	16QAM	25	25	15.79	0.038	15.80	0.038	15.76	0.038
10	16QAM	50	0	15.71	0.037	15.81	0.038	15.77	0.038
10	64QAM	1	0	15.78	0.038	15.80	0.038	15.71	0.037
10	64QAM	1	25	15.87	0.039	15.97	0.040	15.90	0.039
10	64QAM	1	49	15.88	0.039	15.90	0.039	15.83	0.038
10	64QAM	25	0	14.70	0.030	14.71	0.030	14.61	0.029
10	64QAM	25	12	14.78	0.030	14.82	0.030	14.72	0.030
10	64QAM	25	25	14.75	0.030	14.78	0.030	14.74	0.030
10	64QAM	50	0	14.75	0.030	14.77	0.030	14.75	0.030



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	17.57	0.057	17.56	0.057	17.50	0.056
5	QPSK	1	12	17.70	0.059	17.73	0.059	17.63	0.058
5	QPSK	1	24	17.55	0.057	17.58	0.057	17.50	0.056
5	QPSK	12	0	16.58	0.045	16.69	0.047	16.57	0.045
5	QPSK	12	7	16.74	0.047	16.74	0.047	16.67	0.046
5	QPSK	12	13	16.71	0.047	16.72	0.047	16.69	0.047
5	QPSK	25	0	16.71	0.047	16.75	0.047	16.71	0.047
5	16QAM	1	0	16.92	0.049	16.87	0.049	16.82	0.048
5	16QAM	1	12	16.93	0.049	17.02	0.050	16.92	0.049
5	16QAM	1	24	16.92	0.049	16.89	0.049	16.86	0.049
5	16QAM	12	0	15.58	0.036	15.64	0.037	15.61	0.036
5	16QAM	12	7	15.68	0.037	15.72	0.037	15.70	0.037
5	16QAM	12	13	15.74	0.037	15.72	0.037	15.66	0.037
5	16QAM	25	0	15.68	0.037	15.79	0.038	15.76	0.038
5	64QAM	1	0	15.76	0.038	15.75	0.038	15.65	0.037
5	64QAM	1	12	15.86	0.039	15.95	0.039	15.83	0.038
5	64QAM	1	24	15.81	0.038	15.88	0.039	15.78	0.038
5	64QAM	12	0	14.62	0.029	14.64	0.029	14.56	0.029
5	64QAM	12	7	14.72	0.030	14.74	0.030	14.67	0.029
5	64QAM	12	13	14.71	0.030	14.77	0.030	14.71	0.030
5	64QAM	25	0	14.74	0.030	14.76	0.030	14.71	0.030



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	17.54	0.057	17.56	0.057	17.47	0.056
3	QPSK	1	8	17.66	0.058	17.73	0.059	17.58	0.057
3	QPSK	1	14	17.54	0.057	17.65	0.058	17.53	0.057
3	QPSK	8	0	16.64	0.046	16.68	0.047	16.60	0.046
3	QPSK	8	4	16.70	0.047	16.78	0.048	16.71	0.047
3	QPSK	8	7	16.66	0.046	16.71	0.047	16.74	0.047
3	QPSK	15	0	16.66	0.046	16.73	0.047	16.71	0.047
3	16QAM	1	0	16.92	0.049	16.92	0.049	16.81	0.048
3	16QAM	1	8	16.90	0.049	16.99	0.050	16.96	0.050
3	16QAM	1	14	16.87	0.049	16.96	0.050	16.88	0.049
3	16QAM	8	0	15.53	0.036	15.62	0.036	15.57	0.036
3	16QAM	8	4	15.62	0.036	15.78	0.038	15.62	0.036
3	16QAM	8	7	15.70	0.037	15.71	0.037	15.73	0.037
3	16QAM	15	0	15.67	0.037	15.75	0.038	15.69	0.037
3	64QAM	1	0	15.73	0.037	15.70	0.037	15.67	0.037
3	64QAM	1	8	15.80	0.038	15.95	0.039	15.83	0.038
3	64QAM	1	14	15.86	0.039	15.89	0.039	15.80	0.038
3	64QAM	8	0	14.65	0.029	14.68	0.029	14.55	0.029
3	64QAM	8	4	14.70	0.030	14.79	0.030	14.67	0.029
3	64QAM	8	7	14.72	0.030	14.74	0.030	14.70	0.030
3	64QAM	15	0	14.71	0.030	14.71	0.030	14.70	0.030



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	17.54	0.057	17.53	0.057	17.48	0.056
1.4	QPSK	1	3	17.61	0.058	17.73	0.059	17.58	0.057
1.4	QPSK	1	5	17.48	0.056	17.59	0.057	17.50	0.056
1.4	QPSK	3	0	16.60	0.046	16.68	0.047	16.59	0.046
1.4	QPSK	3	1	16.68	0.047	16.77	0.048	16.64	0.046
1.4	QPSK	3	3	16.72	0.047	16.73	0.047	16.68	0.047
1.4	QPSK	6	0	16.75	0.047	16.74	0.047	16.69	0.047
1.4	16QAM	1	0	16.92	0.049	16.88	0.049	16.81	0.048
1.4	16QAM	1	3	16.94	0.049	16.95	0.050	16.91	0.049
1.4	16QAM	1	5	16.90	0.049	16.93	0.049	16.82	0.048
1.4	16QAM	3	0	15.55	0.036	15.69	0.037	15.60	0.036
1.4	16QAM	3	1	15.71	0.037	15.72	0.037	15.68	0.037
1.4	16QAM	3	3	15.77	0.038	15.74	0.037	15.74	0.037
1.4	16QAM	6	0	15.63	0.037	15.72	0.037	15.68	0.037
1.4	64QAM	1	0	15.68	0.037	15.79	0.038	15.63	0.037
1.4	64QAM	1	3	15.84	0.038	15.93	0.039	15.83	0.038
1.4	64QAM	1	5	15.83	0.038	15.86	0.039	15.75	0.038
1.4	64QAM	3	0	14.68	0.029	14.64	0.029	14.54	0.028
1.4	64QAM	3	1	14.74	0.030	14.80	0.030	14.70	0.030
1.4	64QAM	3	3	14.71	0.030	14.76	0.030	14.70	0.030
1.4	64QAM	6	0	14.73	0.030	14.74	0.030	14.65	0.029



LTE Band 13				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				/		23230		/	
Frequency (MHz)				/		782		/	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	/	/	17.70	0.059	/	/
10	QPSK	1	25	/	/	17.83	0.061	/	/
10	QPSK	1	49	/	/	17.69	0.059	/	/
10	QPSK	25	0	/	/	16.69	0.047	/	/
10	QPSK	25	12	/	/	16.83	0.048	/	/
10	QPSK	25	25	/	/	16.80	0.048	/	/
10	QPSK	50	0	/	/	16.78	0.048	/	/
10	16QAM	1	0	/	/	16.96	0.050	/	/
10	16QAM	1	25	/	/	17.06	0.051	/	/
10	16QAM	1	49	/	/	16.95	0.050	/	/
10	16QAM	25	0	/	/	15.88	0.039	/	/
10	16QAM	25	12	/	/	15.89	0.039	/	/
10	16QAM	25	25	/	/	15.85	0.038	/	/
10	16QAM	50	0	/	/	15.87	0.039	/	/
10	64QAM	1	0	/	/	16.01	0.040	/	/
10	64QAM	1	25	/	/	16.07	0.040	/	/
10	64QAM	1	49	/	/	15.95	0.039	/	/
10	64QAM	25	0	/	/	14.88	0.031	/	/
10	64QAM	25	12	/	/	14.85	0.031	/	/
10	64QAM	25	25	/	/	14.89	0.031	/	/
10	64QAM	50	0	/	/	14.88	0.031	/	/



LTE Band 13				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23205		23230		23255	
Frequency (MHz)				779.5		782		784.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	17.60	0.058	17.62	0.058	17.66	0.058
5	QPSK	1	12	17.78	0.060	17.82	0.061	17.73	0.059
5	QPSK	1	24	17.64	0.058	17.61	0.058	17.61	0.058
5	QPSK	12	0	16.64	0.046	16.64	0.046	16.60	0.046
5	QPSK	12	7	16.79	0.048	16.74	0.047	16.79	0.048
5	QPSK	12	13	16.72	0.047	16.74	0.047	16.70	0.047
5	QPSK	25	0	16.71	0.047	16.71	0.047	16.68	0.047
5	16QAM	1	0	16.88	0.049	16.92	0.049	16.87	0.049
5	16QAM	1	12	17.00	0.050	17.04	0.051	16.96	0.050
5	16QAM	1	24	16.89	0.049	16.90	0.049	16.94	0.049
5	16QAM	12	0	15.84	0.038	15.79	0.038	15.81	0.038
5	16QAM	12	7	15.81	0.038	15.83	0.038	15.84	0.038
5	16QAM	12	13	15.84	0.038	15.84	0.038	15.80	0.038
5	16QAM	25	0	15.83	0.038	15.83	0.038	15.86	0.039
5	64QAM	1	0	15.95	0.039	15.97	0.040	15.93	0.039
5	64QAM	1	12	16.02	0.040	15.98	0.040	16.01	0.040
5	64QAM	1	24	15.93	0.039	15.92	0.039	15.85	0.038
5	64QAM	12	0	14.83	0.030	14.85	0.031	14.83	0.030
5	64QAM	12	7	14.76	0.030	14.83	0.030	14.81	0.030
5	64QAM	12	13	14.83	0.030	14.88	0.031	14.79	0.030
5	64QAM	25	0	14.78	0.030	14.82	0.030	14.84	0.030



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	17.41	0.055	17.44	0.055	17.40	0.055
10	QPSK	1	25	17.54	0.057	17.62	0.058	17.53	0.057
10	QPSK	1	49	17.51	0.056	17.52	0.056	17.47	0.056
10	QPSK	25	0	16.59	0.046	16.64	0.046	16.54	0.045
10	QPSK	25	12	16.65	0.046	16.70	0.047	16.67	0.046
10	QPSK	25	25	16.62	0.046	16.68	0.047	16.64	0.046
10	QPSK	50	0	16.64	0.046	16.66	0.046	16.62	0.046
10	16QAM	1	0	16.62	0.046	16.67	0.046	16.65	0.046
10	16QAM	1	25	16.72	0.047	16.74	0.047	16.70	0.047
10	16QAM	1	49	16.53	0.045	16.63	0.046	16.62	0.046
10	16QAM	25	0	15.59	0.036	15.61	0.036	15.52	0.036
10	16QAM	25	12	15.65	0.037	15.69	0.037	15.65	0.037
10	16QAM	25	25	15.63	0.037	15.65	0.037	15.58	0.036
10	16QAM	50	0	15.56	0.036	15.64	0.037	15.56	0.036
10	64QAM	1	0	15.57	0.036	15.63	0.037	15.61	0.036
10	64QAM	1	25	15.67	0.037	15.74	0.037	15.71	0.037
10	64QAM	1	49	15.65	0.037	15.69	0.037	15.60	0.036
10	64QAM	25	0	14.50	0.028	14.60	0.029	14.51	0.028
10	64QAM	25	12	14.60	0.029	14.67	0.029	14.59	0.029
10	64QAM	25	25	14.60	0.029	14.65	0.029	14.63	0.029
10	64QAM	50	0	14.61	0.029	14.62	0.029	14.57	0.029



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	17.35	0.054	17.39	0.055	17.36	0.054
5	QPSK	1	12	17.48	0.056	17.53	0.057	17.48	0.056
5	QPSK	1	24	17.44	0.055	17.51	0.056	17.39	0.055
5	QPSK	12	0	16.52	0.045	16.62	0.046	16.48	0.044
5	QPSK	12	7	16.60	0.046	16.67	0.046	16.61	0.046
5	QPSK	12	13	16.52	0.045	16.62	0.046	16.63	0.046
5	QPSK	25	0	16.57	0.045	16.65	0.046	16.56	0.045
5	16QAM	1	0	16.52	0.045	16.62	0.046	16.61	0.046
5	16QAM	1	12	16.66	0.046	16.69	0.047	16.64	0.046
5	16QAM	1	24	16.46	0.044	16.58	0.045	16.55	0.045
5	16QAM	12	0	15.50	0.035	15.51	0.036	15.51	0.036
5	16QAM	12	7	15.55	0.036	15.65	0.037	15.55	0.036
5	16QAM	12	13	15.57	0.036	15.56	0.036	15.54	0.036
5	16QAM	25	0	15.47	0.035	15.58	0.036	15.48	0.035
5	64QAM	1	0	15.53	0.036	15.58	0.036	15.57	0.036
5	64QAM	1	12	15.61	0.036	15.71	0.037	15.68	0.037
5	64QAM	1	24	15.59	0.036	15.68	0.037	15.59	0.036
5	64QAM	12	0	14.42	0.028	14.51	0.028	14.45	0.028
5	64QAM	12	7	14.54	0.028	14.59	0.029	14.58	0.029
5	64QAM	12	13	14.52	0.028	14.63	0.029	14.60	0.029
5	64QAM	25	0	14.54	0.028	14.60	0.029	14.48	0.028



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132072		132322		132572	
Frequency (MHz)				1720		1745		1770	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	20.65	0.116	20.52	0.113	20.53	0.113
20	QPSK	1	49	20.77	0.119	20.68	0.117	20.73	0.118
20	QPSK	1	99	20.49	0.112	20.41	0.110	20.44	0.111
20	QPSK	50	0	19.72	0.094	19.63	0.092	19.71	0.094
20	QPSK	50	24	19.75	0.094	19.71	0.094	19.74	0.094
20	QPSK	50	50	19.68	0.093	19.59	0.091	19.63	0.092
20	QPSK	100	0	19.71	0.094	19.70	0.093	19.63	0.092
20	16QAM	1	0	19.90	0.098	19.82	0.096	19.89	0.097
20	16QAM	1	49	19.97	0.099	19.91	0.098	19.95	0.099
20	16QAM	1	99	19.72	0.094	19.63	0.092	19.71	0.094
20	16QAM	50	0	18.74	0.075	18.71	0.074	18.71	0.074
20	16QAM	50	24	18.78	0.076	18.73	0.075	18.72	0.074
20	16QAM	50	50	18.75	0.075	18.74	0.075	18.73	0.075
20	16QAM	100	0	18.72	0.074	18.68	0.074	18.66	0.073
20	64QAM	1	0	18.85	0.077	18.78	0.076	18.77	0.075
20	64QAM	1	49	18.94	0.078	18.91	0.078	18.88	0.077
20	64QAM	1	99	18.67	0.074	18.63	0.073	18.62	0.073
20	64QAM	50	0	17.73	0.059	17.69	0.059	17.70	0.059
20	64QAM	50	24	17.75	0.060	17.69	0.059	17.71	0.059
20	64QAM	50	50	17.72	0.059	17.65	0.058	17.69	0.059
20	64QAM	100	0	17.71	0.059	17.69	0.059	17.70	0.059



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132047		132322		132597	
Frequency (MHz)				1717.5		1745		1772.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	20.63	0.116	20.49	0.112	20.46	0.111
15	QPSK	1	37	20.74	0.119	20.67	0.117	20.68	0.117
15	QPSK	1	74	20.44	0.111	20.37	0.109	20.36	0.109
15	QPSK	36	0	19.64	0.092	19.53	0.090	19.70	0.093
15	QPSK	36	20	19.70	0.093	19.63	0.092	19.69	0.093
15	QPSK	36	39	19.65	0.092	19.49	0.089	19.54	0.090
15	QPSK	75	0	19.66	0.092	19.66	0.092	19.55	0.090
15	16QAM	1	0	19.82	0.096	19.72	0.094	19.80	0.095
15	16QAM	1	37	19.91	0.098	19.86	0.097	19.88	0.097
15	16QAM	1	74	19.68	0.093	19.61	0.091	19.70	0.093
15	16QAM	36	0	18.70	0.074	18.68	0.074	18.61	0.073
15	16QAM	36	20	18.72	0.074	18.72	0.074	18.66	0.073
15	16QAM	36	39	18.72	0.074	18.64	0.073	18.71	0.074
15	16QAM	75	0	18.62	0.073	18.66	0.073	18.62	0.073
15	64QAM	1	0	18.83	0.076	18.73	0.075	18.73	0.075
15	64QAM	1	37	18.85	0.077	18.84	0.077	18.78	0.076
15	64QAM	1	74	18.57	0.072	18.55	0.072	18.54	0.071
15	64QAM	36	0	17.68	0.059	17.66	0.058	17.64	0.058
15	64QAM	36	20	17.73	0.059	17.59	0.057	17.67	0.058
15	64QAM	36	39	17.65	0.058	17.59	0.057	17.63	0.058
15	64QAM	75	0	17.69	0.059	17.61	0.058	17.66	0.058



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132022		132322		132622	
Frequency (MHz)				1715		1745		1775	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	20.56	0.114	20.51	0.112	20.50	0.112
10	QPSK	1	25	20.73	0.118	20.65	0.116	20.71	0.118
10	QPSK	1	49	20.40	0.110	20.34	0.108	20.41	0.110
10	QPSK	25	0	19.63	0.092	19.60	0.091	19.63	0.092
10	QPSK	25	12	19.65	0.092	19.69	0.093	19.69	0.093
10	QPSK	25	25	19.66	0.092	19.55	0.090	19.55	0.090
10	QPSK	50	0	19.69	0.093	19.64	0.092	19.61	0.091
10	16QAM	1	0	19.80	0.095	19.76	0.095	19.86	0.097
10	16QAM	1	25	19.88	0.097	19.84	0.096	19.88	0.097
10	16QAM	1	49	19.67	0.093	19.61	0.091	19.70	0.093
10	16QAM	25	0	18.65	0.073	18.64	0.073	18.67	0.074
10	16QAM	25	12	18.76	0.075	18.65	0.073	18.62	0.073
10	16QAM	25	25	18.67	0.074	18.67	0.074	18.69	0.074
10	16QAM	50	0	18.65	0.073	18.58	0.072	18.59	0.072
10	64QAM	1	0	18.76	0.075	18.73	0.075	18.71	0.074
10	64QAM	1	25	18.89	0.077	18.83	0.076	18.81	0.076
10	64QAM	1	49	18.62	0.073	18.60	0.072	18.52	0.071
10	64QAM	25	0	17.72	0.059	17.67	0.058	17.65	0.058
10	64QAM	25	12	17.70	0.059	17.66	0.058	17.61	0.058
10	64QAM	25	25	17.65	0.058	17.58	0.057	17.60	0.058
10	64QAM	50	0	17.63	0.058	17.67	0.058	17.68	0.059



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131997		132322		132647	
Frequency (MHz)				1712.5		1745		1777.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	20.59	0.115	20.43	0.110	20.52	0.113
5	QPSK	1	12	20.71	0.118	20.66	0.116	20.67	0.117
5	QPSK	1	24	20.46	0.111	20.35	0.108	20.36	0.109
5	QPSK	12	0	19.66	0.092	19.56	0.090	19.69	0.093
5	QPSK	12	7	19.70	0.093	19.65	0.092	19.64	0.092
5	QPSK	12	13	19.60	0.091	19.57	0.091	19.53	0.090
5	QPSK	25	0	19.68	0.093	19.60	0.091	19.59	0.091
5	16QAM	1	0	19.80	0.095	19.72	0.094	19.82	0.096
5	16QAM	1	12	19.88	0.097	19.87	0.097	19.87	0.097
5	16QAM	1	24	19.69	0.093	19.53	0.090	19.69	0.093
5	16QAM	12	0	18.67	0.074	18.68	0.074	18.62	0.073
5	16QAM	12	7	18.75	0.075	18.68	0.074	18.69	0.074
5	16QAM	12	13	18.66	0.073	18.68	0.074	18.70	0.074
5	16QAM	25	0	18.69	0.074	18.62	0.073	18.57	0.072
5	64QAM	1	0	18.83	0.076	18.72	0.074	18.67	0.074
5	64QAM	1	12	18.93	0.078	18.90	0.078	18.81	0.076
5	64QAM	1	24	18.61	0.073	18.59	0.072	18.55	0.072
5	64QAM	12	0	17.67	0.058	17.63	0.058	17.61	0.058
5	64QAM	12	7	17.70	0.059	17.66	0.058	17.66	0.058
5	64QAM	12	13	17.67	0.058	17.56	0.057	17.67	0.058
5	64QAM	25	0	17.62	0.058	17.65	0.058	17.61	0.058



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131987		132322		132657	
Frequency (MHz)				1711.5		1745		1778.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	20.64	0.116	20.50	0.112	20.43	0.110
3	QPSK	1	8	20.71	0.118	20.62	0.115	20.69	0.117
3	QPSK	1	14	20.45	0.111	20.34	0.108	20.35	0.108
3	QPSK	8	0	19.63	0.092	19.62	0.092	19.68	0.093
3	QPSK	8	4	19.65	0.092	19.64	0.092	19.68	0.093
3	QPSK	8	7	19.63	0.092	19.56	0.090	19.54	0.090
3	QPSK	15	0	19.69	0.093	19.66	0.092	19.58	0.091
3	16QAM	1	0	19.80	0.095	19.75	0.094	19.81	0.096
3	16QAM	1	8	19.94	0.099	19.87	0.097	19.89	0.097
3	16QAM	1	14	19.64	0.092	19.56	0.090	19.63	0.092
3	16QAM	8	0	18.68	0.074	18.70	0.074	18.69	0.074
3	16QAM	8	4	18.75	0.075	18.65	0.073	18.69	0.074
3	16QAM	8	7	18.69	0.074	18.69	0.074	18.66	0.073
3	16QAM	15	0	18.67	0.074	18.59	0.072	18.63	0.073
3	64QAM	1	0	18.83	0.076	18.68	0.074	18.74	0.075
3	64QAM	1	8	18.93	0.078	18.81	0.076	18.84	0.077
3	64QAM	1	14	18.64	0.073	18.59	0.072	18.58	0.072
3	64QAM	8	0	17.70	0.059	17.67	0.058	17.61	0.058
3	64QAM	8	4	17.68	0.059	17.63	0.058	17.70	0.059
3	64QAM	8	7	17.71	0.059	17.58	0.057	17.63	0.058
3	64QAM	15	0	17.65	0.058	17.60	0.058	17.61	0.058



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131979		132322		132665	
Frequency (MHz)				1710.7		1745		1779.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	20.64	0.116	20.43	0.110	20.52	0.113
1.4	QPSK	1	3	20.68	0.117	20.59	0.115	20.64	0.116
1.4	QPSK	1	5	20.46	0.111	20.34	0.108	20.41	0.110
1.4	QPSK	3	0	20.59	0.115	20.46	0.111	20.53	0.113
1.4	QPSK	3	1	20.57	0.114	20.61	0.115	20.55	0.114
1.4	QPSK	3	3	20.52	0.113	20.39	0.109	20.44	0.111
1.4	QPSK	6	0	19.67	0.093	19.67	0.093	19.54	0.090
1.4	16QAM	1	0	19.81	0.096	19.75	0.094	19.86	0.097
1.4	16QAM	1	3	19.95	0.099	19.83	0.096	19.92	0.098
1.4	16QAM	1	5	19.71	0.094	19.56	0.090	19.69	0.093
1.4	16QAM	3	0	19.59	0.091	19.57	0.091	19.54	0.090
1.4	16QAM	3	1	19.64	0.092	19.54	0.090	19.61	0.091
1.4	16QAM	3	3	19.63	0.092	19.55	0.090	19.55	0.090
1.4	16QAM	6	0	18.63	0.073	18.64	0.073	18.57	0.072
1.4	64QAM	1	0	18.78	0.076	18.71	0.074	18.76	0.075
1.4	64QAM	1	3	18.90	0.078	18.85	0.077	18.79	0.076
1.4	64QAM	1	5	18.61	0.073	18.61	0.073	18.55	0.072
1.4	64QAM	3	0	18.55	0.072	18.51	0.071	18.53	0.071
1.4	64QAM	3	1	18.61	0.073	18.49	0.071	18.52	0.071
1.4	64QAM	3	3	18.55	0.072	18.48	0.070	18.53	0.071
1.4	64QAM	6	0	17.64	0.058	17.62	0.058	17.61	0.058



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	16.94	0.049	16.98	0.050	16.96	0.050
20	QPSK	1	49	17.17	0.052	17.21	0.053	17.19	0.052
20	QPSK	1	99	16.98	0.050	17.01	0.050	16.99	0.050
20	QPSK	50	0	16.05	0.040	16.06	0.040	16.02	0.040
20	QPSK	50	24	16.13	0.041	16.18	0.041	16.12	0.041
20	QPSK	50	50	16.10	0.041	16.15	0.041	16.11	0.041
20	QPSK	100	0	16.04	0.040	16.14	0.041	16.13	0.041
20	16QAM	1	0	16.24	0.042	16.30	0.043	16.20	0.042
20	16QAM	1	49	16.47	0.044	16.49	0.045	16.43	0.044
20	16QAM	1	99	16.23	0.042	16.28	0.042	16.21	0.042
20	16QAM	50	0	15.04	0.032	15.06	0.032	14.98	0.031
20	16QAM	50	24	15.06	0.032	15.16	0.033	15.14	0.033
20	16QAM	50	50	15.11	0.032	15.15	0.033	15.05	0.032
20	16QAM	100	0	15.02	0.032	15.12	0.033	15.08	0.032
20	64QAM	1	0	15.01	0.032	15.04	0.032	14.94	0.031
20	64QAM	1	49	15.25	0.033	15.33	0.034	15.24	0.033
20	64QAM	1	99	15.16	0.033	15.19	0.033	15.13	0.033
20	64QAM	50	0	13.98	0.025	14.07	0.026	14.02	0.025
20	64QAM	50	24	14.15	0.026	14.18	0.026	14.11	0.026
20	64QAM	50	50	14.13	0.026	14.15	0.026	14.07	0.026
20	64QAM	100	0	14.06	0.025	14.13	0.026	14.11	0.026



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	16.92	0.049	16.95	0.050	16.88	0.049
15	QPSK	1	37	17.15	0.052	17.12	0.052	17.17	0.052
15	QPSK	1	74	16.89	0.049	17.00	0.050	16.94	0.049
15	QPSK	36	0	15.97	0.040	16.05	0.040	15.95	0.039
15	QPSK	36	20	16.03	0.040	16.13	0.041	16.04	0.040
15	QPSK	36	39	16.06	0.040	16.11	0.041	16.09	0.041
15	QPSK	75	0	16.01	0.040	16.11	0.041	16.06	0.040
15	16QAM	1	0	16.17	0.041	16.21	0.042	16.18	0.041
15	16QAM	1	37	16.46	0.044	16.48	0.044	16.41	0.044
15	16QAM	1	74	16.21	0.042	16.23	0.042	16.18	0.041
15	16QAM	36	0	14.97	0.031	14.97	0.031	14.88	0.031
15	16QAM	36	20	15.01	0.032	15.09	0.032	15.13	0.033
15	16QAM	36	39	15.10	0.032	15.13	0.033	14.97	0.031
15	16QAM	75	0	14.93	0.031	15.02	0.032	15.06	0.032
15	64QAM	1	0	14.95	0.031	15.02	0.032	14.85	0.031
15	64QAM	1	37	15.23	0.033	15.23	0.033	15.17	0.033
15	64QAM	1	74	15.07	0.032	15.15	0.033	15.03	0.032
15	64QAM	36	0	13.91	0.025	14.06	0.025	13.95	0.025
15	64QAM	36	20	14.07	0.026	14.15	0.026	14.09	0.026
15	64QAM	36	39	14.09	0.026	14.14	0.026	14.00	0.025
15	64QAM	75	0	13.97	0.025	14.08	0.026	14.03	0.025



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	16.91	0.049	16.89	0.049	16.88	0.049
10	QPSK	1	25	17.11	0.051	17.12	0.052	17.18	0.052
10	QPSK	1	49	16.91	0.049	16.97	0.050	16.90	0.049
10	QPSK	25	0	16.00	0.040	15.96	0.039	15.94	0.039
10	QPSK	25	12	16.04	0.040	16.17	0.041	16.00	0.040
10	QPSK	25	25	16.05	0.040	16.15	0.041	16.05	0.040
10	QPSK	50	0	16.03	0.040	16.05	0.040	16.08	0.041
10	16QAM	1	0	16.15	0.041	16.26	0.042	16.13	0.041
10	16QAM	1	25	16.46	0.044	16.43	0.044	16.33	0.043
10	16QAM	1	49	16.18	0.041	16.19	0.042	16.19	0.042
10	16QAM	25	0	14.95	0.031	14.99	0.032	14.95	0.031
10	16QAM	25	12	14.96	0.031	15.11	0.032	15.08	0.032
10	16QAM	25	25	15.07	0.032	15.05	0.032	14.96	0.031
10	16QAM	50	0	14.94	0.031	15.02	0.032	15.05	0.032
10	64QAM	1	0	14.99	0.032	15.01	0.032	14.84	0.030
10	64QAM	1	25	15.24	0.033	15.30	0.034	15.21	0.033
10	64QAM	1	49	15.08	0.032	15.15	0.033	15.05	0.032
10	64QAM	25	0	13.97	0.025	14.03	0.025	13.97	0.025
10	64QAM	25	12	14.08	0.026	14.11	0.026	14.03	0.025
10	64QAM	25	25	14.07	0.026	14.11	0.026	14.05	0.025
10	64QAM	50	0	14.05	0.025	14.03	0.025	14.04	0.025



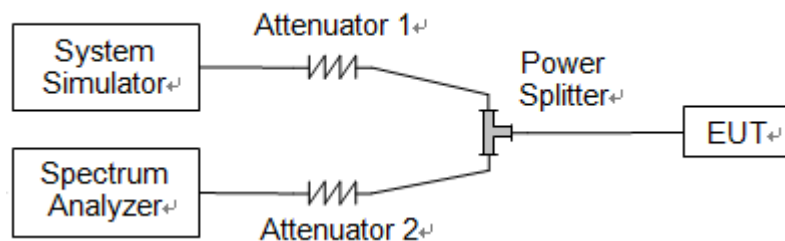
LTE Band 71				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133147		133297		133447	
Frequency (MHz)				665.5		680.5		695.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	16.89	0.049	16.91	0.049	16.90	0.049
5	QPSK	1	12	17.16	0.052	17.17	0.052	17.09	0.051
5	QPSK	1	24	16.92	0.049	16.96	0.050	16.95	0.050
5	QPSK	12	0	15.99	0.040	16.02	0.040	15.97	0.040
5	QPSK	12	7	16.08	0.041	16.17	0.041	16.05	0.040
5	QPSK	12	13	16.09	0.041	16.18	0.041	16.09	0.041
5	QPSK	25	0	16.01	0.040	16.07	0.040	16.05	0.040
5	16QAM	1	0	16.18	0.041	16.20	0.042	16.18	0.041
5	16QAM	1	12	16.41	0.044	16.43	0.044	16.42	0.044
5	16QAM	1	24	16.20	0.042	16.25	0.042	16.13	0.041
5	16QAM	12	0	15.03	0.032	14.97	0.031	14.91	0.031
5	16QAM	12	7	15.03	0.032	15.11	0.032	15.04	0.032
5	16QAM	12	13	15.02	0.032	15.14	0.033	14.96	0.031
5	16QAM	25	0	14.96	0.031	15.02	0.032	15.01	0.032
5	64QAM	1	0	14.96	0.031	14.98	0.031	14.88	0.031
5	64QAM	1	12	15.22	0.033	15.31	0.034	15.14	0.033
5	64QAM	1	24	15.06	0.032	15.12	0.033	15.09	0.032
5	64QAM	12	0	13.88	0.024	14.05	0.025	13.92	0.025
5	64QAM	12	7	14.08	0.026	14.10	0.026	14.10	0.026
5	64QAM	12	13	14.05	0.025	14.06	0.025	13.99	0.025
5	64QAM	25	0	14.04	0.025	14.04	0.025	14.03	0.025

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	1.0886	1.2643	PASS
B2	1.4	Low	18607	1850.7	16QAM	1.0968	1.2950	PASS
B2	1.4	Low	18607	1850.7	64QAM	1.0969	1.2872	PASS
B2	1.4	Mid	18900	1880	QPSK	1.0948	1.2609	PASS
B2	1.4	Mid	18900	1880	16QAM	1.0981	1.2862	PASS
B2	1.4	Mid	18900	1880	64QAM	1.0983	1.2825	PASS
B2	1.4	High	19193	1909.3	QPSK	1.0943	1.2575	PASS
B2	1.4	High	19193	1909.3	16QAM	1.1007	1.2992	PASS
B2	1.4	High	19193	1909.3	64QAM	1.0991	1.2834	PASS
B2	3	Low	18615	1851.5	QPSK	2.6900	2.9264	PASS
B2	3	Low	18615	1851.5	16QAM	2.6918	2.9302	PASS
B2	3	Low	18615	1851.5	64QAM	2.6976	2.9196	PASS
B2	3	Mid	18900	1880	QPSK	2.6869	2.9172	PASS
B2	3	Mid	18900	1880	16QAM	2.6893	2.9252	PASS
B2	3	Mid	18900	1880	64QAM	2.6942	2.9118	PASS
B2	3	High	19185	1908.5	QPSK	2.6882	2.9104	PASS
B2	3	High	19185	1908.5	16QAM	2.6971	2.9301	PASS
B2	3	High	19185	1908.5	64QAM	2.6994	2.9227	PASS
B2	5	Low	18625	1852.5	QPSK	4.4720	4.8370	PASS
B2	5	Low	18625	1852.5	16QAM	4.4673	4.8097	PASS
B2	5	Low	18625	1852.5	64QAM	4.4716	4.8019	PASS
B2	5	Mid	18900	1880	QPSK	4.4770	4.8533	PASS
B2	5	Mid	18900	1880	16QAM	4.4699	4.8557	PASS
B2	5	Mid	18900	1880	64QAM	4.4794	4.8493	PASS
B2	5	High	19175	1907.5	QPSK	4.4705	4.8190	PASS
B2	5	High	19175	1907.5	16QAM	4.4716	4.7981	PASS
B2	5	High	19175	1907.5	64QAM	4.4821	4.8601	PASS
B2	10	Low	18650	1855	QPSK	8.9457	9.5868	PASS
B2	10	Low	18650	1855	16QAM	8.9424	9.4994	PASS
B2	10	Low	18650	1855	64QAM	8.9445	9.5622	PASS
B2	10	Mid	18900	1880	QPSK	8.9510	9.5297	PASS
B2	10	Mid	18900	1880	16QAM	8.9211	9.7713	PASS
B2	10	Mid	18900	1880	64QAM	8.9324	9.5219	PASS



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B2	10	High	19150	1905	QPSK	8.9590	9.6114	PASS
B2	10	High	19150	1905	16QAM	8.9406	9.4801	PASS
B2	10	High	19150	1905	64QAM	8.9424	9.5761	PASS
B2	15	Low	18675	1857.5	QPSK	13.400	14.268	PASS
B2	15	Low	18675	1857.5	16QAM	13.416	14.261	PASS
B2	15	Low	18675	1857.5	64QAM	13.375	14.319	PASS
B2	15	Mid	18900	1880	QPSK	13.438	14.440	PASS
B2	15	Mid	18900	1880	16QAM	13.418	14.684	PASS
B2	15	Mid	18900	1880	64QAM	13.406	14.356	PASS
B2	15	High	19125	1902.5	QPSK	13.428	14.227	PASS
B2	15	High	19125	1902.5	16QAM	13.413	14.286	PASS
B2	15	High	19125	1902.5	64QAM	13.395	14.311	PASS
B2	20	Low	18700	1860	QPSK	17.852	18.772	PASS
B2	20	Low	18700	1860	16QAM	17.820	18.948	PASS
B2	20	Low	18700	1860	64QAM	17.876	19.068	PASS
B2	20	Mid	18900	1880	QPSK	17.893	19.500	PASS
B2	20	Mid	18900	1880	16QAM	17.898	19.684	PASS
B2	20	Mid	18900	1880	64QAM	17.871	19.160	PASS
B2	20	High	19100	1900	QPSK	17.847	18.895	PASS
B2	20	High	19100	1900	16QAM	17.882	19.008	PASS
B2	20	High	19100	1900	64QAM	17.851	18.894	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	1.0919	1.2742	PASS
B4	1.4	Low	19957	1710.7	16QAM	1.0992	1.2947	PASS
B4	1.4	Low	19957	1710.7	64QAM	1.0994	1.2964	PASS
B4	1.4	Mid	20175	1732.5	QPSK	1.0927	1.2730	PASS
B4	1.4	Mid	20175	1732.5	16QAM	1.1001	1.3062	PASS
B4	1.4	Mid	20175	1732.5	64QAM	1.1008	1.2826	PASS
B4	1.4	High	20393	1754.3	QPSK	1.0939	1.2861	PASS
B4	1.4	High	20393	1754.3	16QAM	1.0997	1.2987	PASS
B4	1.4	High	20393	1754.3	64QAM	1.0996	1.2914	PASS
B4	3	Low	19965	1711.5	QPSK	2.6917	2.9264	PASS
B4	3	Low	19965	1711.5	16QAM	2.6923	2.9251	PASS
B4	3	Low	19965	1711.5	64QAM	2.6954	2.9151	PASS
B4	3	Mid	20175	1732.5	QPSK	2.6910	2.9237	PASS
B4	3	Mid	20175	1732.5	16QAM	2.6918	2.9276	PASS
B4	3	Mid	20175	1732.5	64QAM	2.6939	2.9407	PASS
B4	3	High	20385	1753.5	QPSK	2.6890	2.9083	PASS
B4	3	High	20385	1753.5	16QAM	2.6910	2.9396	PASS
B4	3	High	20385	1753.5	64QAM	2.7008	2.9175	PASS
B4	5	Low	19975	1712.5	QPSK	4.4741	4.8261	PASS
B4	5	Low	19975	1712.5	16QAM	4.4784	4.7975	PASS
B4	5	Low	19975	1712.5	64QAM	4.4760	4.8424	PASS
B4	5	Mid	20175	1732.5	QPSK	4.4696	4.8363	PASS
B4	5	Mid	20175	1732.5	16QAM	4.4807	4.8178	PASS
B4	5	Mid	20175	1732.5	64QAM	4.4741	4.7871	PASS
B4	5	High	20375	1752.5	QPSK	4.4670	4.7981	PASS
B4	5	High	20375	1752.5	16QAM	4.4762	4.8264	PASS
B4	5	High	20375	1752.5	64QAM	4.4796	4.8200	PASS
B4	10	Low	20000	1715	QPSK	8.9383	9.5471	PASS
B4	10	Low	20000	1715	16QAM	8.9357	9.5767	PASS
B4	10	Low	20000	1715	64QAM	8.9486	9.5601	PASS
B4	10	Mid	20175	1732.5	QPSK	8.9551	9.5215	PASS
B4	10	Mid	20175	1732.5	16QAM	8.9208	9.5267	PASS
B4	10	Mid	20175	1732.5	64QAM	8.9403	9.5516	PASS
B4	10	High	20350	1750	QPSK	8.9391	9.5425	PASS
B4	10	High	20350	1750	16QAM	8.9299	9.5192	PASS



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B4	10	High	20350	1750	64QAM	8.9438	9.5600	PASS
B4	15	Low	20025	1717.5	QPSK	13.409	14.387	PASS
B4	15	Low	20025	1717.5	16QAM	13.403	14.391	PASS
B4	15	Low	20025	1717.5	64QAM	13.405	14.371	PASS
B4	15	Mid	20175	1732.5	QPSK	13.398	14.181	PASS
B4	15	Mid	20175	1732.5	16QAM	13.417	14.309	PASS
B4	15	Mid	20175	1732.5	64QAM	13.396	14.355	PASS
B4	15	High	20325	1747.5	QPSK	13.418	14.277	PASS
B4	15	High	20325	1747.5	16QAM	13.407	14.422	PASS
B4	15	High	20325	1747.5	64QAM	13.392	14.334	PASS
B4	20	Low	20050	1720	QPSK	17.878	19.013	PASS
B4	20	Low	20050	1720	16QAM	17.871	19.001	PASS
B4	20	Low	20050	1720	64QAM	17.897	18.962	PASS
B4	20	Mid	20175	1732.5	QPSK	17.882	18.957	PASS
B4	20	Mid	20175	1732.5	16QAM	17.892	18.916	PASS
B4	20	Mid	20175	1732.5	64QAM	17.883	19.022	PASS
B4	20	High	20300	1745	QPSK	17.875	19.017	PASS
B4	20	High	20300	1745	16QAM	17.870	19.074	PASS
B4	20	High	20300	1745	64QAM	17.876	19.093	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	1.0951	1.2640	PASS
B5	1.4	Low	20407	824.7	16QAM	1.1011	1.2902	PASS
B5	1.4	Low	20407	824.7	64QAM	1.0986	1.2893	PASS
B5	1.4	Mid	20525	836.5	QPSK	1.0937	1.2680	PASS
B5	1.4	Mid	20525	836.5	16QAM	1.1003	1.2939	PASS
B5	1.4	Mid	20525	836.5	64QAM	1.0971	1.2849	PASS
B5	1.4	High	20643	848.3	QPSK	1.0919	1.2812	PASS
B5	1.4	High	20643	848.3	16QAM	1.0986	1.2999	PASS
B5	1.4	High	20643	848.3	64QAM	1.0985	1.2761	PASS
B5	3	Low	20415	825.5	QPSK	2.6881	2.9181	PASS
B5	3	Low	20415	825.5	16QAM	2.6934	2.9143	PASS
B5	3	Low	20415	825.5	64QAM	2.6966	2.9098	PASS
B5	3	Mid	20525	836.5	QPSK	2.6884	2.9141	PASS
B5	3	Mid	20525	836.5	16QAM	2.6851	2.9287	PASS
B5	3	Mid	20525	836.5	64QAM	2.6983	2.9086	PASS
B5	3	High	20635	847.5	QPSK	2.6884	2.9252	PASS
B5	3	High	20635	847.5	16QAM	2.6962	2.9226	PASS
B5	3	High	20635	847.5	64QAM	2.6951	2.9120	PASS
B5	5	Low	20425	826.5	QPSK	4.4716	4.8493	PASS
B5	5	Low	20425	826.5	16QAM	4.4743	4.8482	PASS
B5	5	Low	20425	826.5	64QAM	4.4829	4.8100	PASS
B5	5	Mid	20525	836.5	QPSK	4.4729	4.8180	PASS
B5	5	Mid	20525	836.5	16QAM	4.4731	4.8329	PASS
B5	5	Mid	20525	836.5	64QAM	4.4802	4.7994	PASS
B5	5	High	20625	846.5	QPSK	4.4689	4.8131	PASS
B5	5	High	20625	846.5	16QAM	4.4693	4.8308	PASS
B5	5	High	20625	846.5	64QAM	4.4786	4.8319	PASS
B5	10	Low	20450	829	QPSK	8.9495	9.5216	PASS
B5	10	Low	20450	829	16QAM	8.9271	9.5077	PASS
B5	10	Low	20450	829	64QAM	8.9508	9.5718	PASS
B5	10	Mid	20525	836.5	QPSK	8.9521	9.5473	PASS
B5	10	Mid	20525	836.5	16QAM	8.9301	9.4919	PASS
B5	10	Mid	20525	836.5	64QAM	8.9494	9.5718	PASS
B5	10	High	20600	844	QPSK	8.9479	9.4988	PASS
B5	10	High	20600	844	16QAM	8.9216	9.5064	PASS



B5	10	High	20600	844	64QAM	8.9392	9.8517	PASS
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LTE Band	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	99% BW (MHz)	26dB BW (MHz)	Verdict
B7	5	Low	20775	2502.5	QPSK	4.4797	4.8298	PASS
B7	5	Low	20775	2502.5	16QAM	4.4696	4.7962	PASS
B7	5	Low	20775	2502.5	64QAM	4.4788	4.8372	PASS
B7	5	Mid	21100	2535	QPSK	4.4724	4.8222	PASS
B7	5	Mid	21100	2535	16QAM	4.4679	4.8314	PASS
B7	5	Mid	21100	2535	64QAM	4.4786	4.8255	PASS
B7	5	High	21425	2567.5	QPSK	4.4725	4.8407	PASS
B7	5	High	21425	2567.5	16QAM	4.4701	4.8262	PASS
B7	5	High	21425	2567.5	64QAM	4.4777	4.7939	PASS
B7	10	Low	20800	2505	QPSK	8.9573	9.5900	PASS
B7	10	Low	20800	2505	16QAM	8.9191	9.5117	PASS
B7	10	Low	20800	2505	64QAM	8.9357	9.5861	PASS
B7	10	Mid	21100	2535	QPSK	8.9521	9.5708	PASS
B7	10	Mid	21100	2535	16QAM	8.9424	9.5028	PASS
B7	10	Mid	21100	2535	64QAM	8.9439	9.5698	PASS
B7	10	High	21400	2565	QPSK	8.9471	9.5426	PASS
B7	10	High	21400	2565	16QAM	8.9345	9.5294	PASS
B7	10	High	21400	2565	64QAM	8.9399	9.5704	PASS
B7	15	Low	20825	2507.5	QPSK	13.423	14.247	PASS
B7	15	Low	20825	2507.5	16QAM	13.409	14.344	PASS
B7	15	Low	20825	2507.5	64QAM	13.393	14.459	PASS
B7	15	Mid	21100	2535	QPSK	13.442	14.289	PASS
B7	15	Mid	21100	2535	16QAM	13.426	14.293	PASS
B7	15	Mid	21100	2535	64QAM	13.397	14.379	PASS
B7	15	High	21375	2562.5	QPSK	13.421	14.340	PASS
B7	15	High	21375	2562.5	16QAM	13.411	14.374	PASS
B7	15	High	21375	2562.5	64QAM	13.395	14.281	PASS
B7	20	Low	20850	2510	QPSK	17.883	18.935	PASS
B7	20	Low	20850	2510	16QAM	17.895	19.000	PASS
B7	20	Low	20850	2510	64QAM	17.871	18.945	PASS
B7	20	Mid	21100	2535	QPSK	17.880	19.042	PASS
B7	20	Mid	21100	2535	16QAM	17.865	18.962	PASS
B7	20	Mid	21100	2535	64QAM	17.877	18.882	PASS



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B7	20	High	21350	2560	QPSK	17.883	18.957	PASS
B7	20	High	21350	2560	16QAM	17.880	18.942	PASS
B7	20	High	21350	2560	64QAM	17.850	18.953	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	1.0960	1.2929	PASS
B12	1.4	Low	23017	699.7	16QAM	1.0971	1.2853	PASS
B12	1.4	Low	23017	699.7	64QAM	1.0968	1.3001	PASS
B12	1.4	Mid	23095	707.5	QPSK	1.0946	1.2931	PASS
B12	1.4	Mid	23095	707.5	16QAM	1.0964	1.2931	PASS
B12	1.4	Mid	23095	707.5	64QAM	1.0978	1.2904	PASS
B12	1.4	High	23173	715.3	QPSK	1.0929	1.2684	PASS
B12	1.4	High	23173	715.3	16QAM	1.0994	1.2947	PASS
B12	1.4	High	23173	715.3	64QAM	1.0953	1.2843	PASS
B12	3	Low	23025	700.5	QPSK	2.6866	2.9173	PASS
B12	3	Low	23025	700.5	16QAM	2.6875	2.9211	PASS
B12	3	Low	23025	700.5	64QAM	2.6945	2.9113	PASS
B12	3	Mid	23095	707.5	QPSK	2.6847	2.9117	PASS
B12	3	Mid	23095	707.5	16QAM	2.6893	2.9284	PASS
B12	3	Mid	23095	707.5	64QAM	2.6962	2.9244	PASS
B12	3	High	23165	714.5	QPSK	2.6901	2.9155	PASS
B12	3	High	23165	714.5	16QAM	2.6899	2.9315	PASS
B12	3	High	23165	714.5	64QAM	2.6969	2.9126	PASS
B12	5	Low	23035	701.5	QPSK	4.4763	5.0408	PASS
B12	5	Low	23035	701.5	16QAM	4.4750	5.0076	PASS
B12	5	Low	23035	701.5	64QAM	4.4911	5.0228	PASS
B12	5	Mid	23095	707.5	QPSK	4.4851	5.0188	PASS
B12	5	Mid	23095	707.5	16QAM	4.4767	4.9789	PASS
B12	5	Mid	23095	707.5	64QAM	4.4877	4.9841	PASS
B12	5	High	23155	713.5	QPSK	4.4793	4.9908	PASS
B12	5	High	23155	713.5	16QAM	4.4748	5.0181	PASS
B12	5	High	23155	713.5	64QAM	4.4815	4.9789	PASS
B12	10	Low	23060	704	QPSK	8.9537	9.8538	PASS
B12	10	Low	23060	704	16QAM	8.9388	9.6912	PASS
B12	10	Low	23060	704	64QAM	8.9529	9.8710	PASS
B12	10	Mid	23095	707.5	QPSK	8.9664	9.8488	PASS



B12	10	Mid	23095	707.5	16QAM	8.9401	9.7831	PASS
B12	10	Mid	23095	707.5	64QAM	8.9626	9.8374	PASS
B12	10	High	23130	711	QPSK	8.9450	9.7996	PASS
B12	10	High	23130	711	16QAM	8.9292	9.9592	PASS
B12	10	High	23130	711	64QAM	8.9463	9.8638	PASS

LTE Band	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	99% BW (MHz)	26dB BW (MHz)	Verdict
B13	5	Low	23205	779.5	QPSK	4.4696	5.0268	PASS
B13	5	Low	23205	779.5	16QAM	4.4703	5.1276	PASS
B13	5	Low	23205	779.5	64QAM	4.4857	5.0104	PASS
B13	5	Mid	23230	782	QPSK	4.4799	5.0255	PASS
B13	5	Mid	23230	782	16QAM	4.4817	5.0771	PASS
B13	5	Mid	23230	782	64QAM	4.4906	4.9919	PASS
B13	5	High	23255	784.5	QPSK	4.4718	5.0446	PASS
B13	5	High	23255	784.5	16QAM	4.4821	4.9787	PASS
B13	5	High	23255	784.5	64QAM	4.4877	4.9949	PASS
B13	10	Mid	23230	782	QPSK	8.9680	9.8004	PASS
B13	10	Mid	23230	782	16QAM	8.9464	9.7788	PASS
B13	10	Mid	23230	782	64QAM	8.9547	9.8721	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	4.4788	4.9804	PASS
B17	5	Low	23755	706.5	16QAM	4.4784	5.0850	PASS
B17	5	Low	23755	706.5	64QAM	4.4892	4.9748	PASS
B17	5	Mid	23790	710	QPSK	4.4821	5.0957	PASS
B17	5	Mid	23790	710	16QAM	4.4776	4.9539	PASS
B17	5	Mid	23790	710	64QAM	4.4895	5.0246	PASS
B17	5	High	23825	713.5	QPSK	4.4793	5.0941	PASS
B17	5	High	23825	713.5	16QAM	4.4738	5.0130	PASS
B17	5	High	23825	713.5	64QAM	4.4815	5.0158	PASS
B17	10	Low	23780	709	QPSK	8.9628	9.7755	PASS
B17	10	Low	23780	709	16QAM	8.9400	9.7734	PASS
B17	10	Low	23780	709	64QAM	8.9479	9.8016	PASS
B17	10	Mid	23790	710	QPSK	8.9567	9.7764	PASS
B17	10	Mid	23790	710	16QAM	8.9287	9.7879	PASS
B17	10	Mid	23790	710	64QAM	8.9434	9.8267	PASS
B17	10	High	23800	711	QPSK	8.9312	9.7074	PASS
B17	10	High	23800	711	16QAM	8.9391	9.7792	PASS
B17	10	High	23800	711	64QAM	8.9549	9.8108	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	1.0926	1.2726	PASS
B66	1.4	Low	131979	1710.7	16QAM	1.0992	1.2806	PASS
B66	1.4	Low	131979	1710.7	64QAM	1.0989	1.2981	PASS
B66	1.4	Mid	132322	1745	QPSK	1.0949	1.2692	PASS
B66	1.4	Mid	132322	1745	16QAM	1.0968	1.2731	PASS
B66	1.4	Mid	132322	1745	64QAM	1.0997	1.2996	PASS
B66	1.4	High	132665	1779.3	QPSK	1.0933	1.2826	PASS
B66	1.4	High	132665	1779.3	16QAM	1.0995	1.2876	PASS
B66	1.4	High	132665	1779.3	64QAM	1.0980	1.2813	PASS
B66	3	Low	131987	1711.5	QPSK	2.6863	2.9074	PASS
B66	3	Low	131987	1711.5	16QAM	2.6967	2.9287	PASS
B66	3	Low	131987	1711.5	64QAM	2.6982	2.9125	PASS
B66	3	Mid	132322	1745	QPSK	2.6887	2.9029	PASS
B66	3	Mid	132322	1745	16QAM	2.6902	2.9304	PASS
B66	3	Mid	132322	1745	64QAM	2.6945	2.9190	PASS
B66	3	High	132657	1778.5	QPSK	2.6899	2.9498	PASS
B66	3	High	132657	1778.5	16QAM	2.6930	2.9312	PASS
B66	3	High	132657	1778.5	64QAM	2.6991	2.9226	PASS
B66	5	Low	131997	1712.5	QPSK	4.4785	5.0269	PASS
B66	5	Low	131997	1712.5	16QAM	4.4739	5.0148	PASS
B66	5	Low	131997	1712.5	64QAM	4.4830	5.0221	PASS
B66	5	Mid	132322	1745	QPSK	4.4837	5.0337	PASS
B66	5	Mid	132322	1745	16QAM	4.4823	5.0080	PASS
B66	5	Mid	132322	1745	64QAM	4.4915	5.0036	PASS
B66	5	High	132647	1777.5	QPSK	4.4816	5.0285	PASS
B66	5	High	132647	1777.5	16QAM	4.4820	5.0255	PASS
B66	5	High	132647	1777.5	64QAM	4.4825	4.9954	PASS
B66	10	Low	132022	1715	QPSK	8.9637	9.8296	PASS
B66	10	Low	132022	1715	16QAM	8.9448	9.7199	PASS
B66	10	Low	132022	1715	64QAM	8.9562	9.8327	PASS
B66	10	Mid	132322	1745	QPSK	8.9434	9.7866	PASS
B66	10	Mid	132322	1745	16QAM	8.9431	9.6959	PASS
B66	10	Mid	132322	1745	64QAM	8.9580	9.8103	PASS
B66	10	High	132622	1775	QPSK	8.9607	10.0453	PASS
B66	10	High	132622	1775	16QAM	8.9420	9.6750	PASS



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B66	10	High	132622	1775	64QAM	8.9626	9.7949	PASS
B66	15	Low	132047	1717.5	QPSK	13.430	14.571	PASS
B66	15	Low	132047	1717.5	16QAM	13.444	14.721	PASS
B66	15	Low	132047	1717.5	64QAM	13.416	14.841	PASS
B66	15	Mid	132322	1745	QPSK	13.427	14.612	PASS
B66	15	Mid	132322	1745	16QAM	13.430	14.741	PASS
B66	15	Mid	132322	1745	64QAM	13.383	14.646	PASS
B66	15	High	132597	1772.5	QPSK	13.474	14.659	PASS
B66	15	High	132597	1772.5	16QAM	13.447	14.620	PASS
B66	15	High	132597	1772.5	64QAM	13.407	14.764	PASS
B66	20	Low	132072	1720	QPSK	17.879	19.301	PASS
B66	20	Low	132072	1720	16QAM	17.917	19.167	PASS
B66	20	Low	132072	1720	64QAM	17.862	19.265	PASS
B66	20	Mid	132322	1745	QPSK	17.884	19.172	PASS
B66	20	Mid	132322	1745	16QAM	17.863	19.230	PASS
B66	20	Mid	132322	1745	64QAM	17.885	19.461	PASS
B66	20	High	132572	1770	QPSK	17.899	19.235	PASS
B66	20	High	132572	1770	16QAM	17.907	19.237	PASS
B66	20	High	132572	1770	64QAM	17.923	20.451	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	4.4796	5.0050	PASS
B71	5	Low	133147	665.5	16QAM	4.4789	4.9862	PASS
B71	5	Low	133147	665.5	64QAM	4.4865	4.9741	PASS
B71	5	Mid	133297	680.5	QPSK	4.4789	4.9840	PASS
B71	5	Mid	133297	680.5	16QAM	4.4725	5.0540	PASS
B71	5	Mid	133297	680.5	64QAM	4.4934	5.0086	PASS
B71	5	High	133447	695.5	QPSK	4.4822	5.0362	PASS
B71	5	High	133447	695.5	16QAM	4.4836	5.0541	PASS
B71	5	High	133447	695.5	64QAM	4.4838	5.0124	PASS
B71	10	Low	133172	668	QPSK	8.9386	9.6730	PASS
B71	10	Low	133172	668	16QAM	8.9099	9.6724	PASS
B71	10	Low	133172	668	64QAM	8.9315	9.6954	PASS
B71	10	Mid	133297	680.5	QPSK	8.9647	9.8631	PASS
B71	10	Mid	133297	680.5	16QAM	8.9285	9.7374	PASS
B71	10	Mid	133297	680.5	64QAM	8.9488	9.7621	PASS
B71	10	High	133422	693	QPSK	8.9611	9.8670	PASS
B71	10	High	133422	693	16QAM	8.9426	9.8001	PASS
B71	10	High	133422	693	64QAM	8.9653	9.8993	PASS
B71	15	Low	133197	670.5	QPSK	13.371	14.629	PASS
B71	15	Low	133197	670.5	16QAM	13.393	14.837	PASS
B71	15	Low	133197	670.5	64QAM	13.373	14.744	PASS
B71	15	Mid	133297	680.5	QPSK	13.404	14.549	PASS
B71	15	Mid	133297	680.5	16QAM	13.421	14.681	PASS
B71	15	Mid	133297	680.5	64QAM	13.392	14.788	PASS
B71	15	High	133397	690.5	QPSK	13.469	14.694	PASS
B71	15	High	133397	690.5	16QAM	13.439	14.867	PASS
B71	15	High	133397	690.5	64QAM	13.407	14.698	PASS
B71	20	Low	133222	673	QPSK	17.867	19.279	PASS
B71	20	Low	133222	673	16QAM	17.852	19.129	PASS
B71	20	Low	133222	673	64QAM	17.877	19.271	PASS
B71	20	Mid	133322	683	QPSK	17.840	19.076	PASS
B71	20	Mid	133322	683	16QAM	17.885	19.261	PASS
B71	20	Mid	133322	683	64QAM	17.860	19.489	PASS
B71	20	High	133372	688	QPSK	17.865	19.200	PASS
B71	20	High	133372	688	16QAM	17.895	19.225	PASS



B71	20	High	133372	688	64QAM	17.885	19.461	PASS
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B2 / 1.4MHz / QPSK/ Low CH



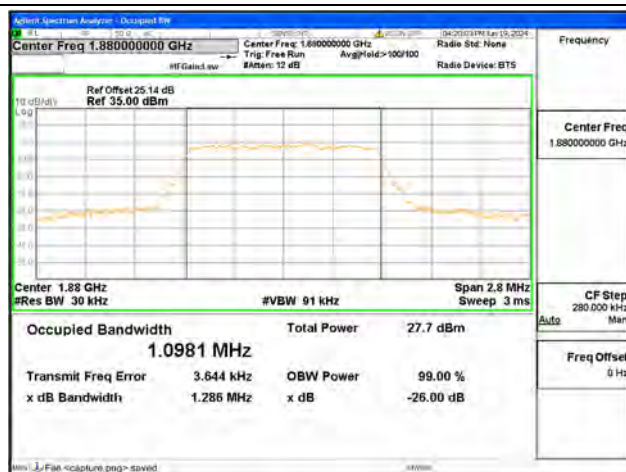
B2 / 1.4MHz / 16QAM/ Low CH



B2 / 1.4MHz / 64QAM/ Low CH



B2 / 1.4MHz / QPSK/ Mid CH



B2 / 1.4MHz / 16QAM/ Mid CH



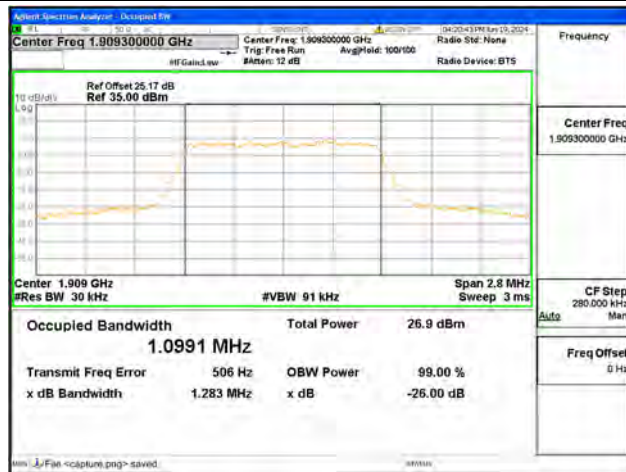
B2 / 1.4MHz / 64QAM/ Mid CH



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



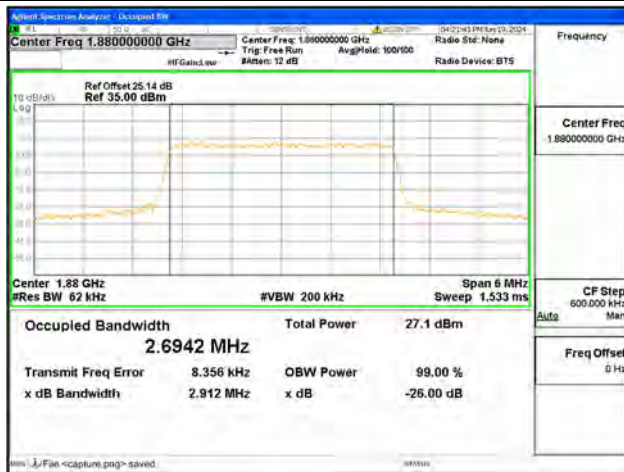
B2 / 3MHz / 64QAM/ Low CH



B2 / 3MHz / QPSK/ Mid CH



B2 / 3MHz / 16QAM/ Mid CH



B2 / 3MHz / 64QAM/ Mid CH



B2 / 3MHz / QPSK/ High CH



B2 / 3MHz / 16QAM/ High CH



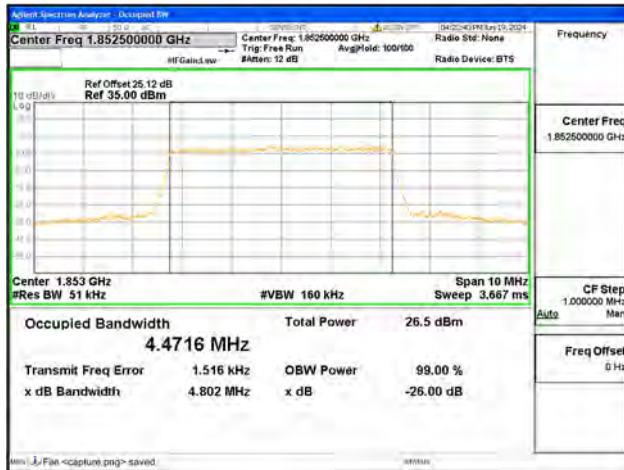
B2 / 3MHz / 64QAM/ High CH



B2 / 5MHz / QPSK/ Low CH



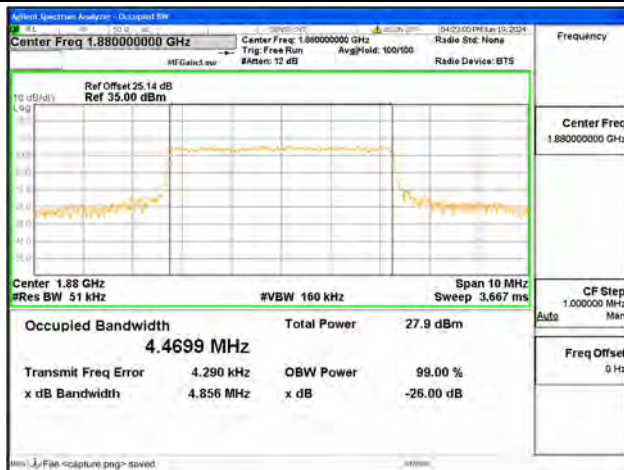
B2 / 5MHz / 16QAM/ Low CH



B2 / 5MHz / 64QAM/ Low CH



B2 / 5MHz / QPSK/ Mid CH



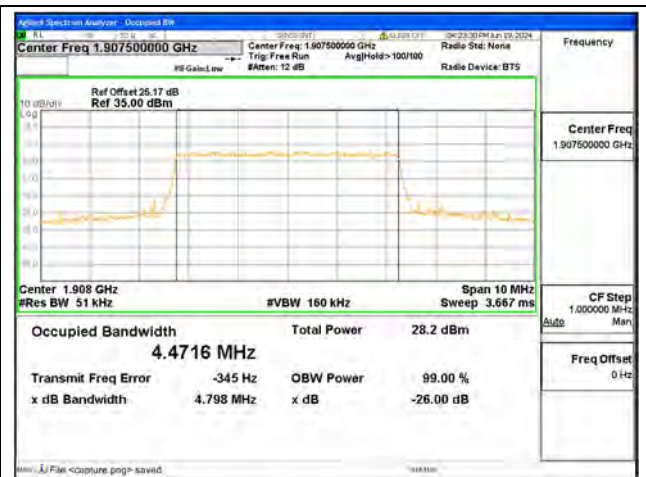
B2 / 5MHz / 16QAM/ Mid CH



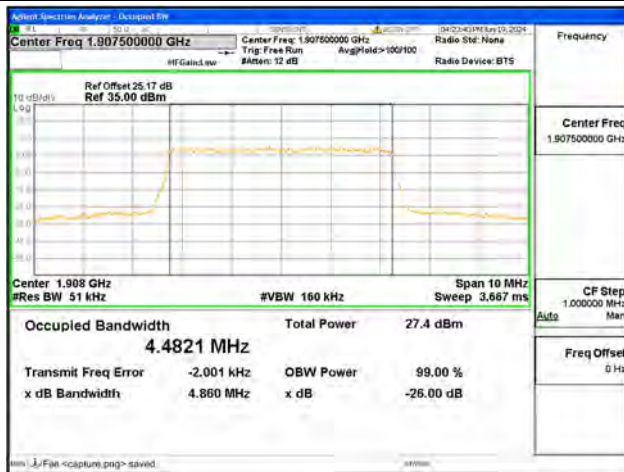
B2 / 5MHz / 64QAM/ Mid CH



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



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B2 / 20MHz / QPSK/ Mid CH



B2 / 20MHz / 16QAM/ Mid CH



B2 / 20MHz / 64QAM/ Mid CH



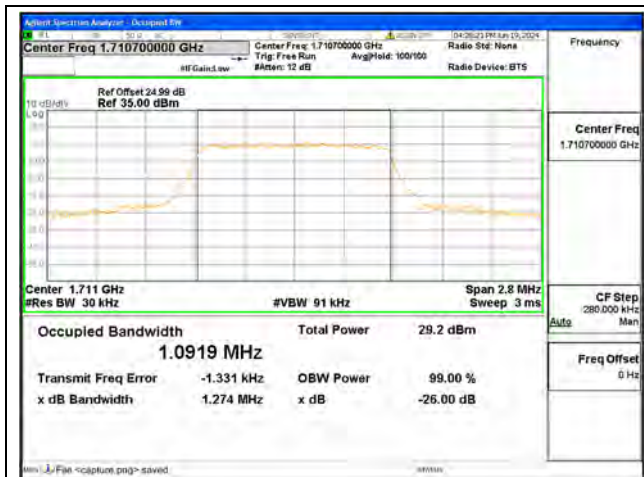
B2 / 20MHz / QPSK/ High CH



B2 / 20MHz / 16QAM/ High CH



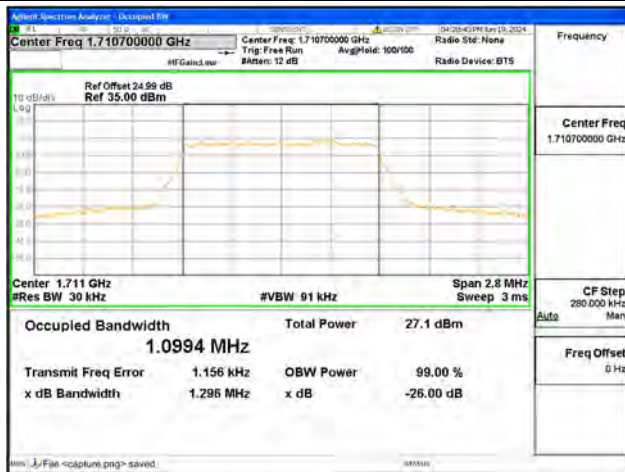
B2 / 20MHz / 64QAM/ High CH



B4 / 1.4MHz / QPSK/ Low CH



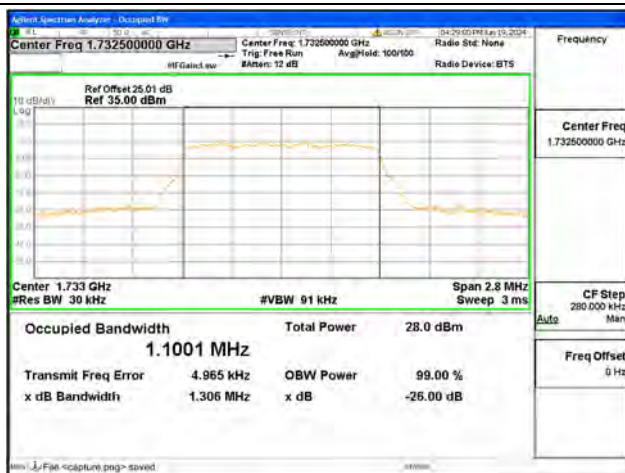
B4 / 1.4MHz / 16QAM/ Low CH



B4 / 1.4MHz / 64QAM/ Low CH



B4 / 1.4MHz / QPSK/ Mid CH



B4 / 1.4MHz / 16QAM/ Mid CH



B4 / 1.4MHz / 64QAM/ Mid CH



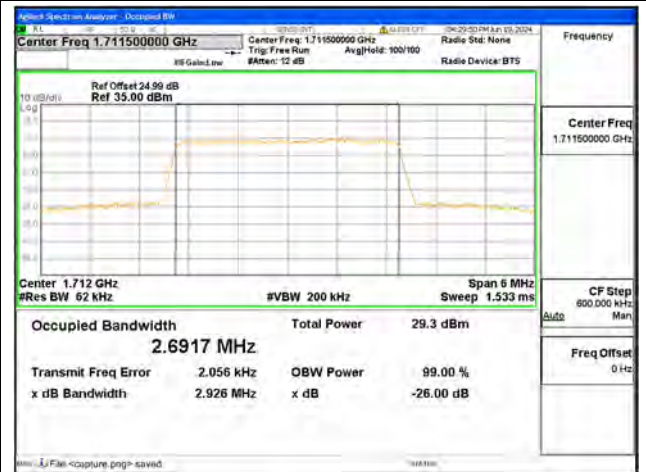
B4 / 1.4MHz / QPSK/ High CH



B4 / 1.4MHz / 16QAM/ High CH



B4 / 1.4MHz / 64QAM/ High CH



B4 / 3MHz / QPSK/ Low CH



B4 / 3MHz / 16QAM/ Low CH



B4 / 3MHz / 64QAM/ Low 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 / 5MHz / QPSK/ High CH



B4 / 5MHz / 16QAM/ High CH



B4 / 5MHz / 64QAM/ High CH



B4 / 10MHz / QPSK/ Low CH



B4 / 10MHz / 16QAM/ Low CH



B4 / 10MHz / 64QAM/ Low 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



B4 / 15MHz / QPSK/ High CH



B4 / 15MHz / 16QAM/ High CH



B4 / 15MHz / 64QAM/ High CH



B4 / 20MHz / QPSK/ Low CH



B4 / 20MHz / 16QAM/ Low CH



B4 / 20MHz / 64QAM/ Low CH



B4 / 20MHz / QPSK/ Mid CH



B4 / 20MHz / 16QAM/ Mid CH



B4 / 20MHz / 64QAM/ Mid CH



B4 / 20MHz / QPSK/ High CH



B4 / 20MHz / 16QAM/ High CH



B4 / 20MHz / 64QAM/ High CH



B5 / 1.4MHz / QPSK/ Low CH



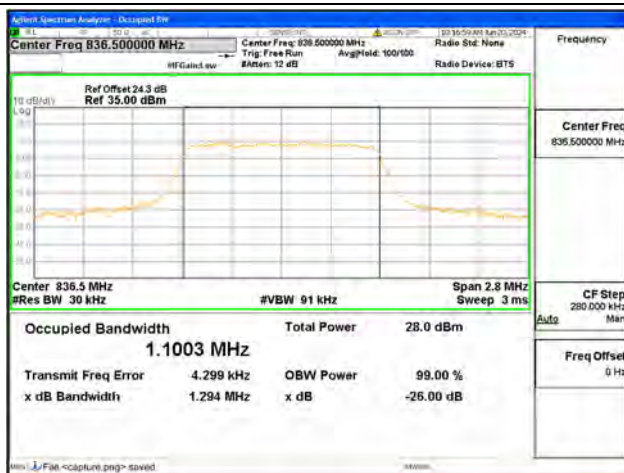
B5 / 1.4MHz / 16QAM/ Low CH



B5 / 1.4MHz / 64QAM/ Low CH



B5 / 1.4MHz / QPSK/ Mid CH



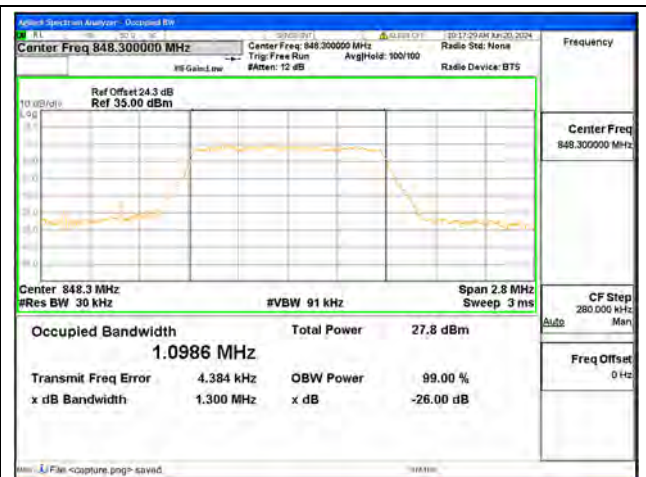
B5 / 1.4MHz / 16QAM/ Mid CH



B5 / 1.4MHz / 64QAM/ Mid CH



B5 / 1.4MHz / QPSK/ High CH



B5 / 1.4MHz / 16QAM/ High CH



B5 / 1.4MHz / 64QAM/ High CH



B5 / 3MHz / QPSK/ Low CH



B5 / 3MHz / 16QAM/ Low CH



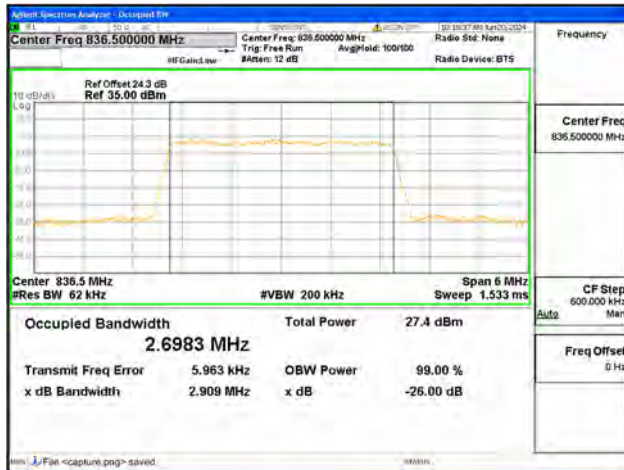
B5 / 3MHz / 64QAM/ Low CH



B5 / 3MHz / QPSK/ Mid CH



B5 / 3MHz / 16QAM/ Mid CH



B5 / 3MHz / 64QAM/ Mid CH



B5 / 3MHz / QPSK/ High CH



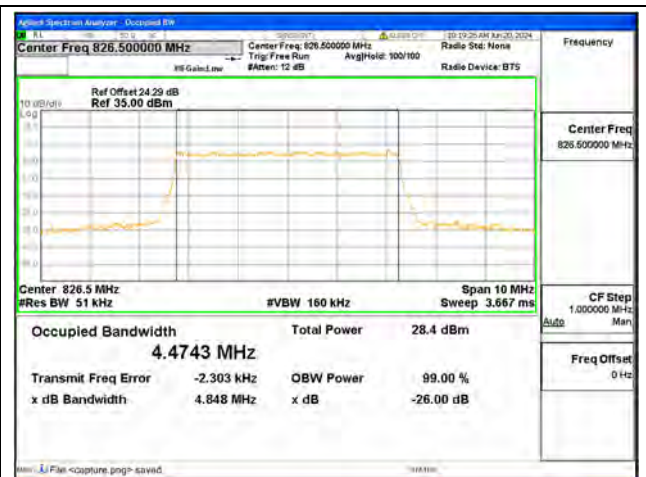
B5 / 3MHz / 16QAM/ High CH



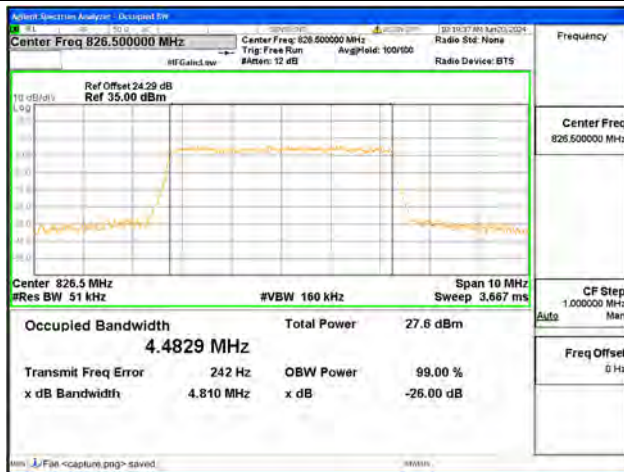
B5 / 3MHz / 64QAM/ High CH



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



B5 / 5MHz / QPSK/ High CH



B5 / 5MHz / 16QAM/ High CH



B5 / 5MHz / 64QAM/ High CH



B5 / 10MHz / QPSK/ Low CH



B5 / 10MHz / 16QAM/ Low CH



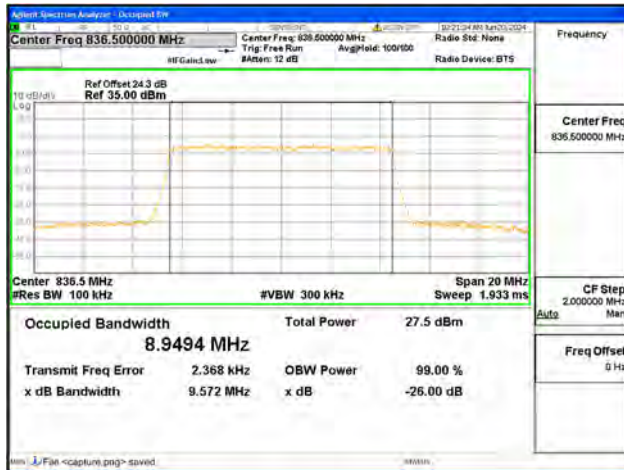
B5 / 10MHz / 64QAM/ Low CH



B5 / 10MHz / QPSK/ Mid CH



B5 / 10MHz / 16QAM/ Mid CH



B5 / 10MHz / 64QAM/ Mid CH



B5 / 10MHz / QPSK/ High CH



B5 / 10MHz / 16QAM/ High CH



B5 / 10MHz / 64QAM/ High 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



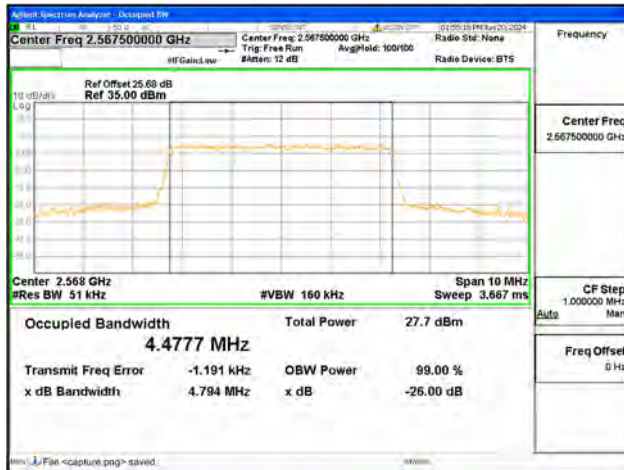
B7 / 5MHz / 64QAM/ Mid CH



B7 / 5MHz / QPSK/ High CH



B7 / 5MHz / 16QAM/ High CH



B7 / 5MHz / 64QAM/ High CH



B7 / 10MHz / QPSK/ Low CH



B7 / 10MHz / 16QAM/ Low CH



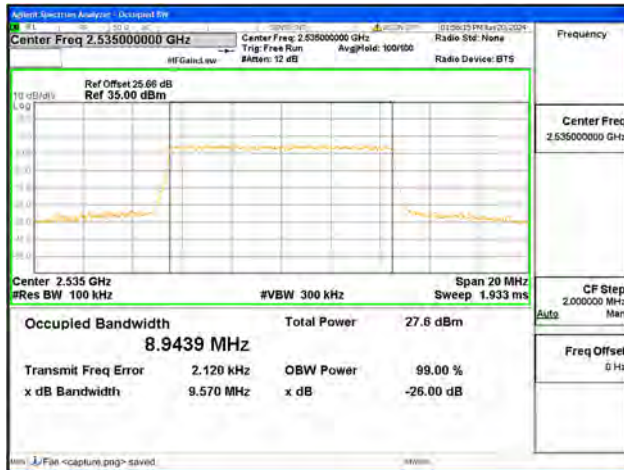
B7 / 10MHz / 64QAM/ Low CH



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



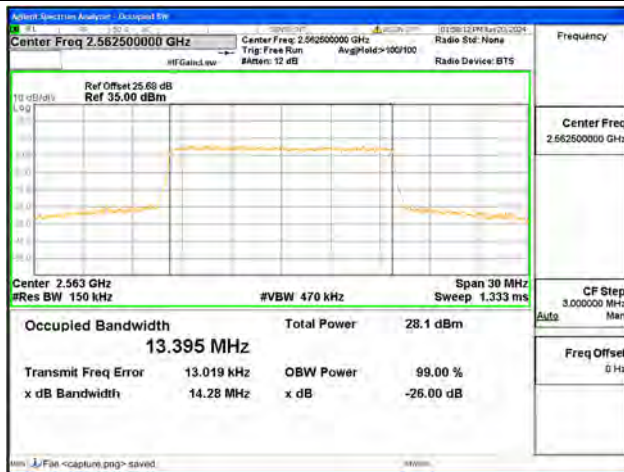
B7 / 15MHz / 64QAM/ Mid CH



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



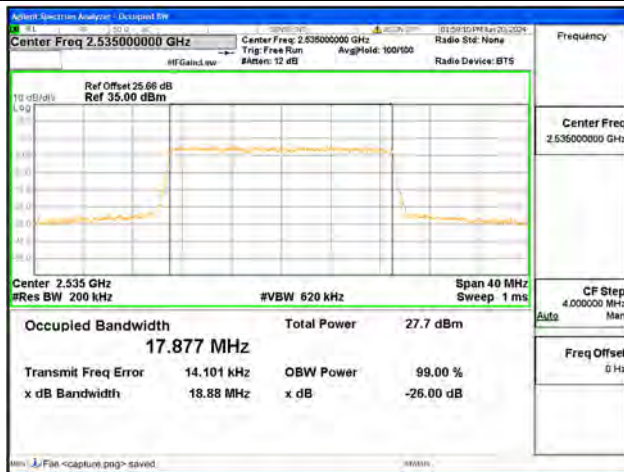
B7 / 20MHz / 64QAM/ Low CH



B7 / 20MHz / QPSK/ Mid CH



B7 / 20MHz / 16QAM/ Mid CH



B7 / 20MHz / 64QAM/ Mid CH



B7 / 20MHz / QPSK/ High CH



B7 / 20MHz / 16QAM/ High CH



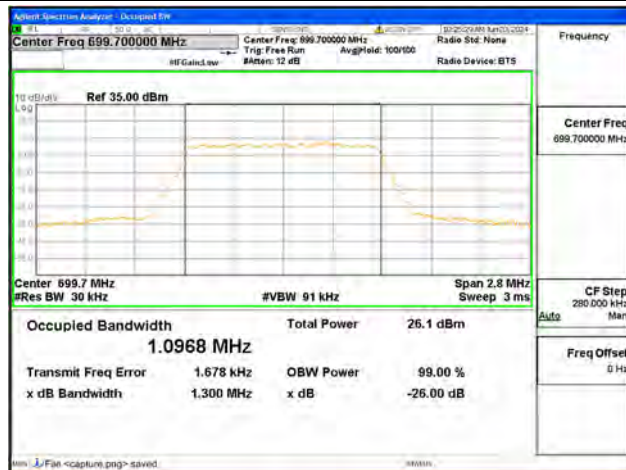
B7 / 20MHz / 64QAM/ High CH



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



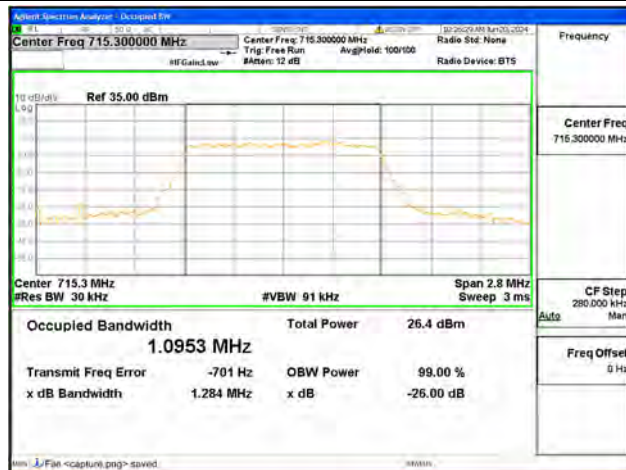
B12 / 1.4MHz / 64QAM/ Mid CH



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



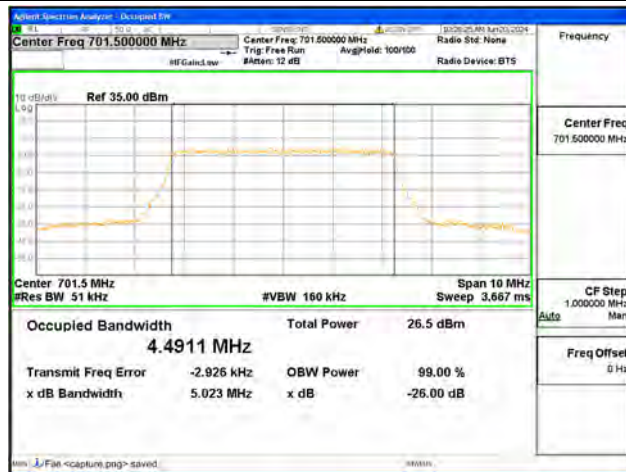
B12 / 3MHz / 64QAM/ High CH



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 / 5MHz / QPSK/ High CH



B12 / 5MHz / 16QAM/ High CH



B12 / 5MHz / 64QAM/ High CH



B12 / 10MHz / QPSK/ Low CH



B12 / 10MHz / 16QAM/ Low CH



B12 / 10MHz / 64QAM/ Low 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



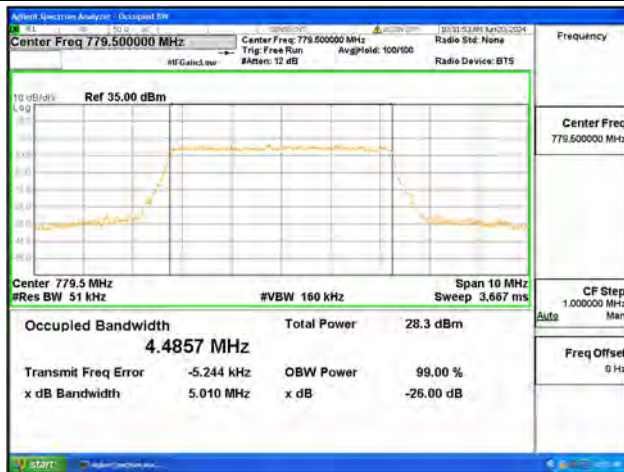
B12 / 10MHz / 64QAM/ High CH



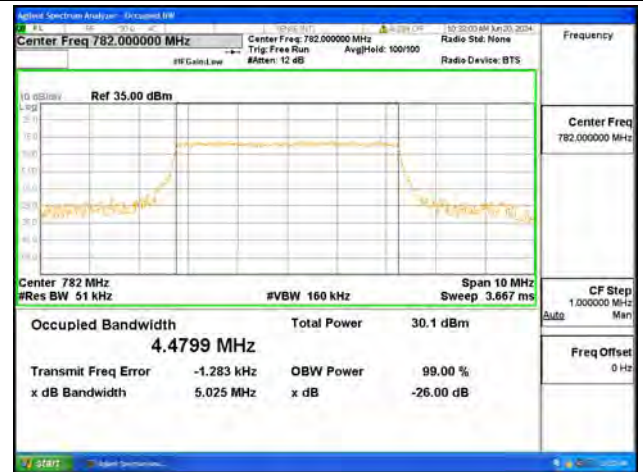
B13 / 5MHz / QPSK/ Low CH



B13 / 5MHz / 16QAM/ Low CH



B13 / 5MHz / 64QAM/ Low CH



B13 / 5MHz / QPSK/ Mid CH



B13 / 5MHz / 16QAM/ Mid CH



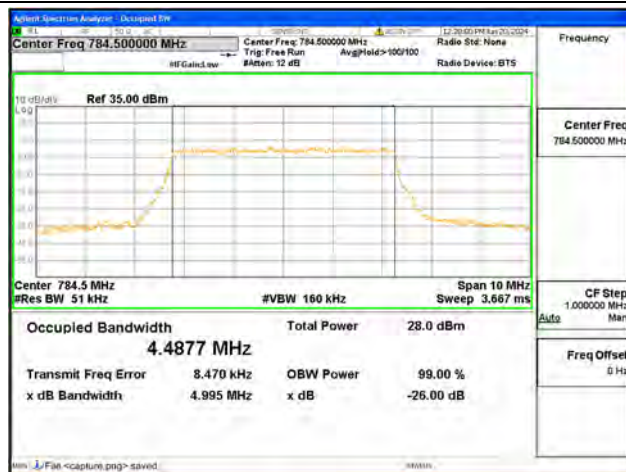
B13 / 5MHz / 64QAM/ Mid CH



B13 / 5MHz / QPSK/ High CH



B13 / 5MHz / 16QAM/ High CH



B13 / 5MHz / 64QAM/ High CH



B13 / 10MHz / QPSK/ Mid CH



B13 / 10MHz / 16QAM/ Mid CH



B13 / 10MHz / 64QAM/ Mid 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



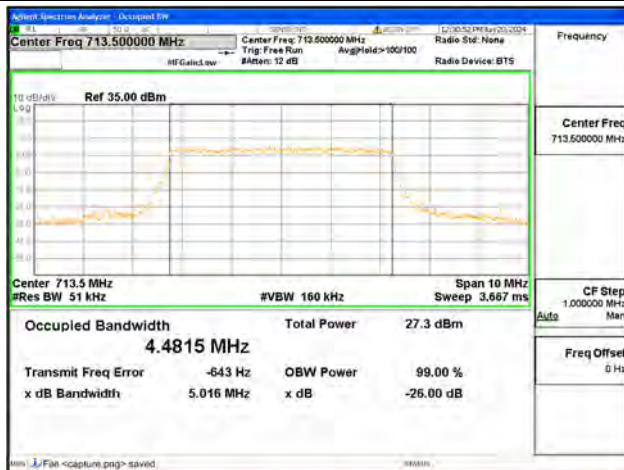
B17 / 5MHz / 64QAM/ Mid CH



B17 / 5MHz / QPSK/ High CH



B17 / 5MHz / 16QAM/ High CH



B17 / 5MHz / 64QAM/ High CH



B17 / 10MHz / QPSK/ Low CH



B17 / 10MHz / 16QAM/ Low CH



B17 / 10MHz / 64QAM/ Low 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 / 1.4MHz / QPSK/ Low CH



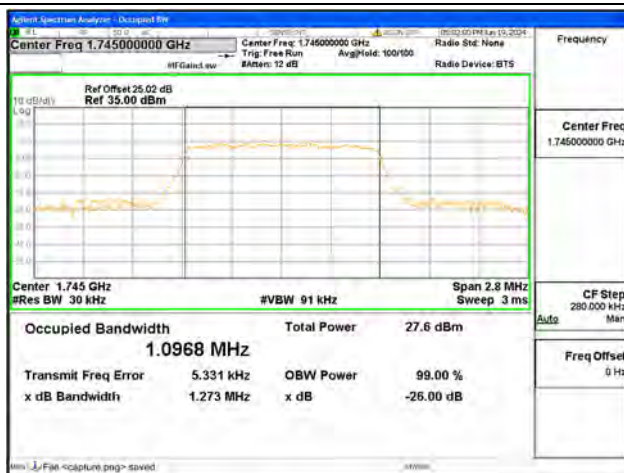
B66 / 1.4MHz / 16QAM/ Low CH



B66 / 1.4MHz / 64QAM/ Low CH



B66 / 1.4MHz / QPSK/ Mid CH



B66 / 1.4MHz / 16QAM/ Mid CH



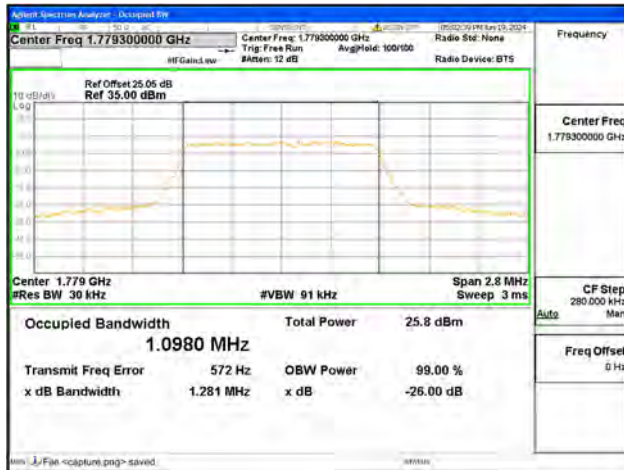
B66 / 1.4MHz / 64QAM/ Mid CH



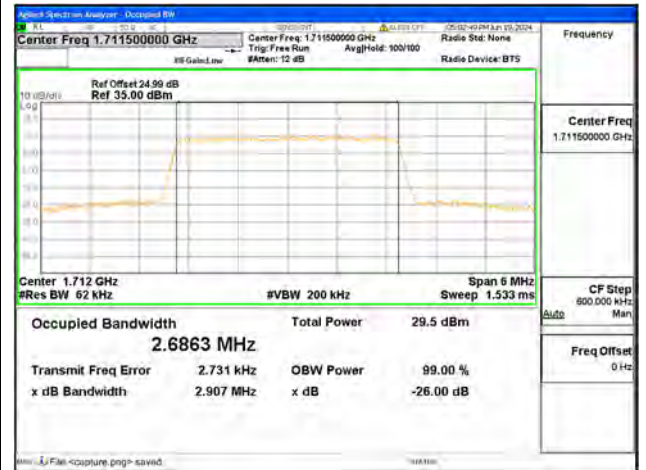
B66 / 1.4MHz / QPSK/ High CH



B66 / 1.4MHz / 16QAM/ High CH



B66 / 1.4MHz / 64QAM/ High CH



B66 / 3MHz / QPSK/ Low CH



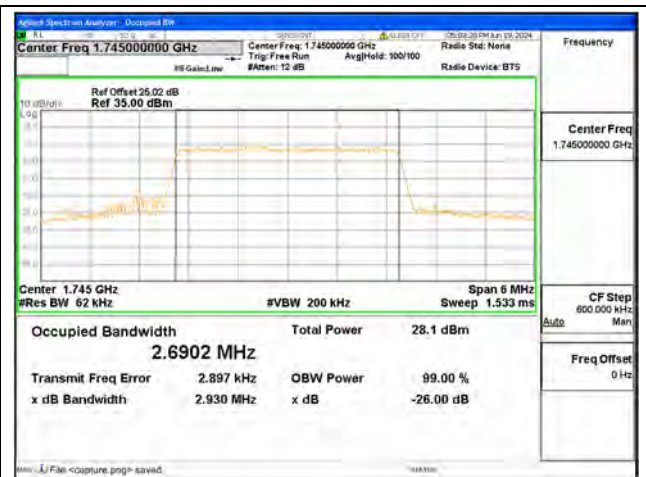
B66 / 3MHz / 16QAM/ Low CH



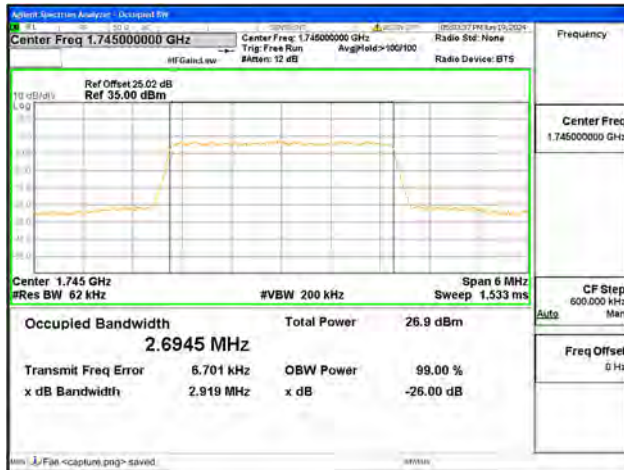
B66 / 3MHz / 64QAM/ Low CH



B66 / 3MHz / QPSK/ Mid CH



B66 / 3MHz / 16QAM/ Mid CH



B66 / 3MHz / 64QAM/ Mid CH



B66 / 3MHz / QPSK/ High CH



B66 / 3MHz / 16QAM/ High CH



B66 / 3MHz / 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



B66 / 15MHz / QPSK/ High CH



B66 / 15MHz / 16QAM/ High CH



B66 / 15MHz / 64QAM/ High CH



B66 / 20MHz / QPSK/ Low CH



B66 / 20MHz / 16QAM/ Low CH



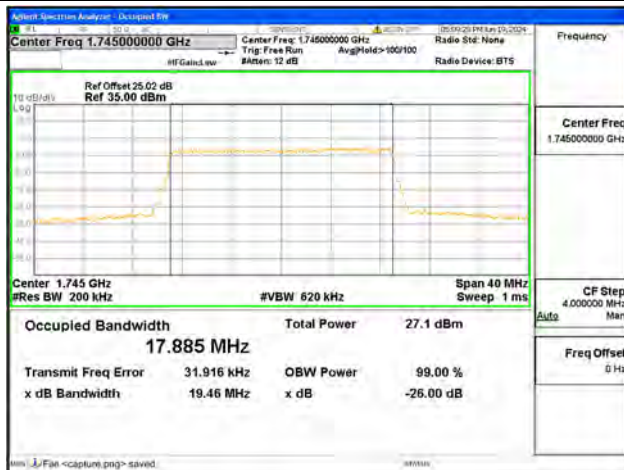
B66 / 20MHz / 64QAM/ Low CH



B66 / 20MHz / QPSK/ Mid CH



B66 / 20MHz / 16QAM/ Mid CH



B66 / 20MHz / 64QAM/ Mid CH



B66 / 20MHz / QPSK/ High CH



B66 / 20MHz / 16QAM/ High CH



B66 / 20MHz / 64QAM/ High 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



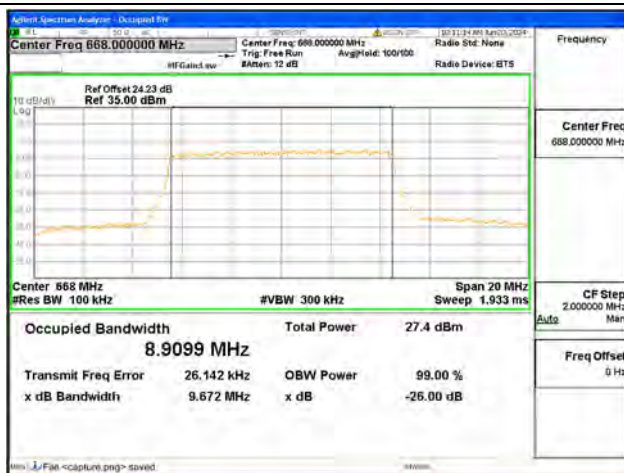
B71 / 5MHz / 16QAM/ High CH



B71 / 5MHz / 64QAM/ High CH



B71 / 10MHz / QPSK/ Low CH



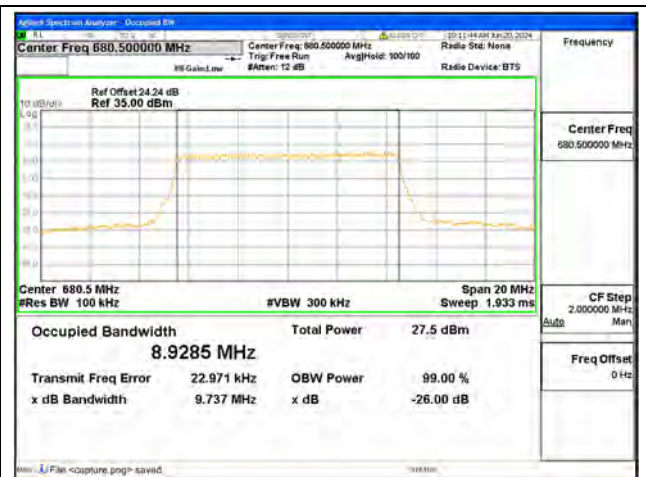
B71 / 10MHz / 16QAM/ Low CH



B71 / 10MHz / 64QAM/ Low CH



B71 / 10MHz / QPSK/ Mid CH



B71 / 10MHz / 16QAM/ Mid CH



B71 / 10MHz / 64QAM/ Mid CH



B71 / 10MHz / QPSK/ High CH



B71 / 10MHz / 16QAM/ High CH



B71 / 10MHz / 64QAM/ High 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