



REPORT No. : SZ21080277W02

TEST REPORT

APPLICANT : Reliance Communications LLC

PRODUCT NAME : Orbic 4G Module

MODEL NAME : RC101ML

BRAND NAME : Orbic

FCC ID : 2ABGH-RC101ML

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

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Edited by:

Peng Mi

Peng Mi (Rapporteur)

Approved by:

Shen Junsheng

Shen Junsheng (Supervisor)

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MORLAB

Shenzhen Morlab Communications Technology Co., Ltd.
FL1-3, Building A, FeiYang Science Park, No.8 LongChang Road,
Block67, BaoAn District, ShenZhen , GuangDong Province, P. R. China

Tel: 86-755-36698555

Http://www.morlab.cn

Fax: 86-755-36698525

E-mail: service@morlab.cn





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Change History		
Version	Date	Reason for change
1.0	2021-12-28	First edition
2.0	2021-12-29	Antenna gain typo



1. Technical Information

Note: Provide by applicant.

1.1. Applicant and Manufacturer Information

Applicant:	Reliance Communications LLC
Applicant Address:	91 Colin Drive, Unit 1, HOLBROOK, New York 11741, United States
Manufacturer:	Unimaxcomm
Manufacturer Address:	35F,HBC HuiLong Center Building-II Minzhi Street,Longhua, Shenzhen, P.R. China 518110

1.2. Equipment Under Test (EUT) Description

Product Name:	Orbic 4G Module	
Sample No.:	1#	
Hardware Version:	QMO2_V1.0_0611	
Software Version:	ORB101ML_v1.0.0.9_VZ	
Modulation Type:	QPSK, 16QAM, 64QAM	
Carrier Aggregation:	CA_7C, CA_41C.	
Operation Band:	Band 2 / 4 / 5 / 7 / 12 / 13 / 17 / 25 / 26 / 41 / 66 / 71 Band 29 only support receiver	
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



Frequency Range:	LTE Band 17	Tx: 704MHz–716MHz
		Rx: 734MHz–746MHz
	LTE Band 25	Tx: 1850MHz–1915MHz
		Rx: 1930MHz–1995MHz
	LTE Band 26	Tx: 824MHz–849MHz
		Rx: 869MHz–894MHz
	LTE Band 29	Rx: 717MHz–728MHz
	LTE Band 41	Tx: 2555MHz–2655MHz
		Rx: 2555MHz–2655MHz
	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, 15 MHz, 20 MHz
	LTE Band 12	1.4MHz, 3 MHz, 5 MHz, 10MHz
	LTE Band 13	5 MHz, 10MHz
	LTE Band 17	5 MHz, 10MHz
	LTE Band 25	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 26	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz
	LTE Band 41	5 MHz, 10MHz, 15MHz, 20MHz
	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	2.30dBi
	LTE Band 4	2.10dBi
	LTE Band 5	-0.30dBi
	LTE Band 7	2.70dBi
	LTE Band 12	-2.80dBi
	LTE Band 13	-0.70dBi
	LTE Band 17	-2.80dBi
	LTE Band 25	2.30dBi
	LTE Band 26	-0.30dBi
	LTE Band 41	2.70dBi



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Antenna Gain:	LTE Band 66	2.10dBi
	LTE Band 71	-4.50dBi

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	0.240	0.211	0.155	18M0G7D	18M0W7D	18M0W7D
15	0.238	0.209	0.153	13M5G7D	13M5W7D	13M5W7D
10	0.230	0.207	0.152	9M00G7D	8M96W7D	8M99W7D
5	0.234	0.206	0.151	4M51G7D	4M50W7D	4M50W7D
3	0.232	0.205	0.150	2M70G7D	2M70W7D	2M71W7D
1.4	0.231	0.203	0.149	1M09G7D	1M09W7D	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	0.220	0.185	0.146	18M0G7D	18M0W7D	18M0W7D
15	0.217	0.182	0.144	13M5G7D	13M5W7D	13M5W7D
10	0.214	0.180	0.143	9M01G7D	8M97W7D	8M99W7D
5	0.212	0.178	0.141	4M51G7D	4M51W7D	4M51W7D
3	0.209	0.176	0.139	2M70G7D	2M71W7D	2M71W7D
1.4	0.129	0.109	0.086	1M10G7D	1M10W7D	1M09W7D
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	0.104	0.087	0.070	9M01G7D	8M98W7D	9M01W7D
5	0.103	0.086	0.069	4M50G7D	4M51W7D	4M50W7D
3	0.103	0.086	0.069	2M70G7D	2M70W7D	2M71W7D
1.4	0.102	0.086	0.069	1M10G7D	1M10W7D	1M09W7D
LTE Band 7	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.292	0.244	0.182	17M9G7D	17M9W7D	18M0W7D
15	0.290	0.242	0.180	13M5G7D	13M5W7D	13M5W7D
10	0.286	0.239	0.178	9M00G7D	8M97W7D	8M99W7D
5	0.283	0.237	0.176	4M52G7D	4M51W7D	4M51W7D
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	0.059	0.050	0.038	9M00G7D	8M98W7D	8M99W7D
5	0.058	0.049	0.038	4M52G7D	4M51W7D	4M51W7D
3	0.058	0.049	0.038	2M70G7D	2M70W7D	2M71W7D
1.4	0.058	0.048	0.037	1M107D	1M09W7D	1M09W7D



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		0.095	0.073	0.051	9M00G7D	8M94W7D	8M98W7D
5		0.095	0.074	0.055	4M52G7D	4M51W7D	4M51W7D
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		0.061	0.050	0.039	9M01G7D	8M99W7D	9M01W7D
5		0.060	0.049	0.038	4M51G7D	4M51W7D	4M51W7D
LTE Band 25		Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20		0.261	0.207	0.159	18M0G7D	18M0W7D	18M0W7D
15		0.258	0.205	0.157	13M5G7D	13M5W7D	13M5W7D
10		0.255	0.203	0.156	9M00G7D	8M97W7D	8M98W7D
5		0.252	0.201	0.154	4M51G7D	4M52W7D	4M52W7D
3		0.250	0.199	0.153	2M71G7D	2M71W7D	2M71W7D
1.4		0.247	0.196	0.151	1M10G7D	1M10W7D	1M09W7D
LTE Band 26		Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15		0.103	0.087	0.070	13M5G7D	13M5W7D	13M5W7D
10		0.101	0.086	0.069	9M03G7D	9M00W7D	9M02W7D
5		0.100	0.086	0.069	4M51G7D	4M51W7D	4M51W7D
3		0.100	0.085	0.068	2M70G7D	2M70W7D	2M70W7D
1.4		0.100	0.085	0.068	1M09G7D	1M10W7D	1M10W7D
LTE Band 41		Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20		0.418	0.346	0.294	18M0G7D	17M9W7D	17M9W7D
15		0.415	0.344	0.292	13M5G7D	13M5W7D	13M5W7D
10		0.412	0.341	0.290	8M97G7D	8M97W7D	8M98W7D
5		0.408	0.338	0.287	4M51G7D	4M51W7D	4M50W7D
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		0.231	0.202	0.148	18M0G7D	18M0W7D	18M0W7D
15		0.228	0.200	0.146	13M5G7D	13M5W7D	13M5W7D
10		0.226	0.195	0.145	9M00G7D	9M00W7D	9M01W7D
5		0.224	0.196	0.144	4M52G7D	4M52W7D	4M51W7D
3		0.223	0.195	0.143	2M72G7D	2M71W7D	2M71W7D
1.4		0.136	0.119	0.087	1M09G7D	1M09W7D	1M09W7D



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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	0.043	0.038	0.035	18M0G7D	18M0W7D	18M0W7D
15	0.042	0.037	0.035	13M6G7D	13M5W7D	13M6W7D
10	0.042	0.037	0.034	9M01G7D	9M02W7D	9M00W7D
5	0.041	0.037	0.034	4M52G7D	4M51W7D	4M52W7D



1.4. Test Standards and Results

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

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

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

Section	Description	Test Date	Test Engineer	Result	Method Determination /Remark
2.1046 22.913(a)(2) 24.232(c) 27.50(b)(10) 27.50(c)(10) 27.50(d)(4) 27.50(h)(2)	Transmitter Conducted Output Power and E.R.P./E.I.R.P.	Dec 03&23, 2021	Tan Xiaowei Li Huaijie Yin Xiaogang	PASS	No deviation
2.1049	Occupied Bandwidth	Aug 27&30, 2021 Oct 11&13, 2021	Li Huaijie	PASS	No deviation
2.1055 22.355 24.235 27.54	Frequency Stability	Oct 12, 2021	Li Huaijie	PASS	No deviation
24.232(d), 27.50(d)(5)	Peak to Average Radio	Aug 27&30, 2021 Oct 11&13, 2021	Li Huaijie	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) 27.53(l)(2)	Conducted Spurious Emissions	Aug 27&30, 2021 Oct 11&13, 2021	Li Huaijie	PASS	No deviation
2.1051	Band Edge	Aug 27&30, 2021	Li Huaijie	PASS	No



22.917(a) 24.238(a) 27.53(c)(2) 27.53(g) 27.53(h) 27.53(m)(4) 27.53(l)(2)		Oct 11&13, 2021			deviation
2.1051 22.917(a) 24.238(a) 27.53(c)(2) 27.53(g) 27.53(h) 27.53(m)(4) 27.53(l)(2)	Radiated Spurious Emissions	Dec 03&04, 2021	Gao Jianrou	PASS	No deviation

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

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

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

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

1.5. Environmental Conditions

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

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



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

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

2.1.1. Requirement

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

According to FCC section 24.232 (c) for LTE Band 2/25, 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.

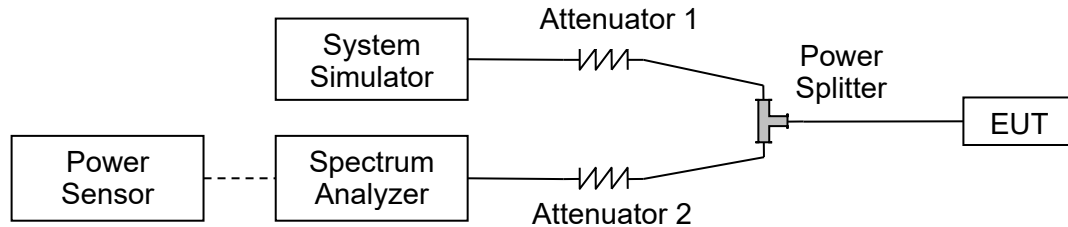
According to FCC section 22.913 (a)(2) for LTE Band 5/26, the E.R.P. of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

According to FCC section 27.50 (h)(2) for LTE Band 7/41, Mobile and other user stations. Mobile stations are limited to 2 watts E.I.R.P. All user stations are limited to 2 watts transmitter output power.

According to FCC section 27.50 (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.

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

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

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

LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18700	18900	19100
Frequency (MHz)				1860	1880	1900
20	QPSK	1	0	21.39	21.50	21.33
20	QPSK	1	49	21.22	21.37	21.14
20	QPSK	1	99	21.07	21.13	21.06
20	QPSK	50	0	20.24	20.37	20.17
20	QPSK	50	24	20.14	20.11	20.09
20	QPSK	50	50	20.04	20.02	20.07
20	QPSK	100	0	20.26	20.35	20.20
20	16QAM	1	0	20.94	20.95	20.74
20	16QAM	1	49	20.74	20.77	20.63
20	16QAM	1	99	20.53	20.55	20.46
20	16QAM	50	0	19.60	19.45	19.40
20	16QAM	50	24	19.44	19.31	19.25
20	16QAM	50	50	19.27	19.15	19.11
20	16QAM	100	0	19.60	19.42	19.22
20	64QAM	1	0	19.59	19.53	19.31
20	64QAM	1	49	19.42	19.38	19.23
20	64QAM	1	99	19.28	19.19	19.15
20	64QAM	50	0	18.64	18.76	18.51
20	64QAM	50	24	18.43	18.65	18.47
20	64QAM	50	50	18.81	18.92	18.73
20	64QAM	100	0	18.69	18.73	18.56



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	21.35	21.46	21.29
15	QPSK	1	37	21.18	21.33	21.10
15	QPSK	1	74	21.03	21.09	21.02
15	QPSK	36	0	20.33	20.20	20.13
15	QPSK	36	20	20.10	20.07	20.05
15	QPSK	36	39	20.00	19.98	20.03
15	QPSK	75	0	20.31	20.22	20.16
15	16QAM	1	0	20.90	20.91	20.70
15	16QAM	1	37	20.70	20.73	20.59
15	16QAM	1	74	20.49	20.51	20.42
15	16QAM	36	0	19.56	19.41	19.36
15	16QAM	36	20	19.40	19.27	19.21
15	16QAM	36	39	19.23	19.11	19.07
15	16QAM	75	0	19.56	19.38	19.18
15	64QAM	1	0	19.55	19.49	19.27
15	64QAM	1	37	19.38	19.34	19.19
15	64QAM	1	74	19.24	19.15	19.11
15	64QAM	36	0	18.60	18.72	18.47
15	64QAM	36	20	18.39	18.61	18.43
15	64QAM	36	39	18.77	18.88	18.69
15	64QAM	75	0	18.65	18.69	18.52



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	21.31	21.42	21.25
10	QPSK	1	25	21.14	21.29	21.06
10	QPSK	1	49	20.99	21.05	20.98
10	QPSK	25	0	20.29	20.16	20.09
10	QPSK	25	12	20.06	20.03	20.01
10	QPSK	25	25	19.96	19.94	19.99
10	QPSK	50	0	20.27	20.18	20.12
10	16QAM	1	0	20.86	20.87	20.66
10	16QAM	1	25	20.66	20.69	20.55
10	16QAM	1	49	20.45	20.47	20.38
10	16QAM	25	0	19.52	19.37	19.32
10	16QAM	25	12	19.36	19.23	19.17
10	16QAM	25	25	19.19	19.07	19.03
10	16QAM	50	0	19.52	19.34	19.14
10	64QAM	1	0	19.51	19.45	19.23
10	64QAM	1	25	19.34	19.30	19.15
10	64QAM	1	49	19.20	19.11	19.07
10	64QAM	25	0	18.56	18.68	18.43
10	64QAM	25	12	18.35	18.57	18.39
10	64QAM	25	25	18.73	18.84	18.65
10	64QAM	50	0	18.61	18.65	18.48



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	21.28	21.39	21.22
5	QPSK	1	12	21.11	21.26	21.03
5	QPSK	1	24	20.96	21.02	20.95
5	QPSK	12	0	20.26	20.13	20.06
5	QPSK	12	7	20.03	20.00	19.98
5	QPSK	12	13	19.93	19.91	19.96
5	QPSK	25	0	20.24	20.15	20.09
5	16QAM	1	0	20.83	20.84	20.63
5	16QAM	1	12	20.63	20.66	20.52
5	16QAM	1	24	20.42	20.44	20.35
5	16QAM	12	0	19.49	19.34	19.29
5	16QAM	12	7	19.33	19.20	19.14
5	16QAM	12	13	19.16	19.04	19.00
5	16QAM	25	0	19.49	19.31	19.11
5	64QAM	1	0	19.48	19.42	19.20
5	64QAM	1	12	19.31	19.27	19.12
5	64QAM	1	24	19.17	19.08	19.04
5	64QAM	12	0	18.53	18.65	18.40
5	64QAM	12	7	18.32	18.54	18.36
5	64QAM	12	13	18.70	18.81	18.62
5	64QAM	25	0	18.58	18.62	18.45



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	21.25	21.36	21.19
3	QPSK	1	8	21.08	21.23	21.00
3	QPSK	1	14	20.93	20.99	20.92
3	QPSK	8	0	20.23	20.10	20.03
3	QPSK	8	4	20.00	19.97	19.95
3	QPSK	8	7	19.90	19.88	19.93
3	QPSK	15	0	20.21	20.12	20.06
3	16QAM	1	0	20.80	20.81	20.60
3	16QAM	1	8	20.60	20.63	20.49
3	16QAM	1	14	20.39	20.41	20.32
3	16QAM	8	0	19.46	19.31	19.26
3	16QAM	8	4	19.30	19.17	19.11
3	16QAM	8	7	19.13	19.01	18.97
3	16QAM	15	0	19.46	19.28	19.08
3	64QAM	1	0	19.45	19.39	19.17
3	64QAM	1	8	19.28	19.24	19.09
3	64QAM	1	14	19.14	19.05	19.01
3	64QAM	8	0	18.50	18.62	18.37
3	64QAM	8	4	18.29	18.51	18.33
3	64QAM	8	7	18.67	18.78	18.59
3	64QAM	15	0	18.55	18.59	18.42



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	21.22	21.33	21.16
1.4	QPSK	1	3	21.05	21.20	20.97
1.4	QPSK	1	5	20.90	20.96	20.89
1.4	QPSK	3	0	20.20	20.07	20.00
1.4	QPSK	3	1	19.97	19.94	19.92
1.4	QPSK	3	3	19.87	19.85	19.90
1.4	QPSK	6	0	20.18	20.09	20.03
1.4	16QAM	1	0	20.77	20.78	20.57
1.4	16QAM	1	3	20.57	20.60	20.46
1.4	16QAM	1	5	20.36	20.38	20.29
1.4	16QAM	3	0	19.43	19.28	19.23
1.4	16QAM	3	1	19.27	19.14	19.08
1.4	16QAM	3	3	19.10	18.98	18.94
1.4	16QAM	6	0	19.43	19.25	19.05
1.4	64QAM	1	0	19.42	19.36	19.14
1.4	64QAM	1	3	19.25	19.21	19.06
1.4	64QAM	1	5	19.11	19.02	18.98
1.4	64QAM	3	0	18.47	18.59	18.34
1.4	64QAM	3	1	18.26	18.48	18.30
1.4	64QAM	3	3	18.64	18.75	18.56
1.4	64QAM	6	0	18.52	18.56	18.39



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	21.26	21.32	21.30
20	QPSK	1	49	21.11	21.13	21.15
20	QPSK	1	99	20.83	20.92	20.87
20	QPSK	50	0	20.16	20.24	20.21
20	QPSK	50	24	20.07	20.15	20.12
20	QPSK	50	50	19.98	20.08	20.07
20	QPSK	100	0	20.22	20.33	20.32
20	16QAM	1	0	20.51	20.57	20.50
20	16QAM	1	49	20.23	20.28	20.35
20	16QAM	1	99	20.11	20.14	20.22
20	16QAM	50	0	19.28	19.29	19.25
20	16QAM	50	24	19.13	19.16	19.17
20	16QAM	50	50	19.03	19.07	19.04
20	16QAM	100	0	19.31	19.28	19.29
20	64QAM	1	0	19.43	19.55	19.34
20	64QAM	1	49	19.27	19.41	19.18
20	64QAM	1	99	19.13	19.22	19.11
20	64QAM	50	0	19.31	19.44	19.23
20	64QAM	50	24	19.22	19.35	19.14
20	64QAM	50	50	19.12	19.27	19.04
20	64QAM	100	0	19.33	19.42	19.18



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	21.20	21.26	21.24
15	QPSK	1	37	21.05	21.07	21.09
15	QPSK	1	74	20.77	20.86	20.81
15	QPSK	36	0	20.10	20.18	20.15
15	QPSK	36	20	20.01	20.09	20.06
15	QPSK	36	39	19.92	20.02	20.01
15	QPSK	75	0	20.16	20.17	20.26
15	16QAM	1	0	20.45	20.51	20.44
15	16QAM	1	37	20.17	20.22	20.29
15	16QAM	1	74	20.05	20.08	20.16
15	16QAM	36	0	19.22	19.23	19.19
15	16QAM	36	20	19.07	19.10	19.11
15	16QAM	36	39	18.97	19.01	18.98
15	16QAM	75	0	19.25	19.22	19.23
15	64QAM	1	0	19.37	19.49	19.28
15	64QAM	1	37	19.21	19.35	19.12
15	64QAM	1	74	19.07	19.16	19.05
15	64QAM	36	0	19.25	19.38	19.17
15	64QAM	36	20	19.16	19.29	19.08
15	64QAM	36	39	19.06	19.21	18.98
15	64QAM	75	0	19.27	19.36	19.12



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	21.15	21.21	21.19
10	QPSK	1	25	21.00	21.02	21.04
10	QPSK	1	49	20.72	20.81	20.76
10	QPSK	25	0	20.05	20.13	20.10
10	QPSK	25	12	19.96	20.04	20.01
10	QPSK	25	25	19.87	19.97	19.96
10	QPSK	50	0	20.11	20.12	20.21
10	16QAM	1	0	20.40	20.46	20.39
10	16QAM	1	25	20.12	20.17	20.24
10	16QAM	1	49	20.00	20.03	20.11
10	16QAM	25	0	19.17	19.18	19.14
10	16QAM	25	12	19.02	19.05	19.06
10	16QAM	25	25	18.92	18.96	18.93
10	16QAM	50	0	19.20	19.17	19.18
10	64QAM	1	0	19.32	19.44	19.23
10	64QAM	1	25	19.16	19.30	19.07
10	64QAM	1	49	19.02	19.11	19.00
10	64QAM	25	0	19.20	19.33	19.12
10	64QAM	25	12	19.11	19.24	19.03
10	64QAM	25	25	19.01	19.16	18.93
10	64QAM	50	0	19.22	19.31	19.07



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19975	20175	20375
Frequency (MHz)				1712.5	1732.5	1752.5
5	QPSK	1	0	21.11	21.16	21.14
5	QPSK	1	12	20.95	20.97	20.99
5	QPSK	1	24	20.67	20.76	20.71
5	QPSK	12	0	20.00	20.08	20.05
5	QPSK	12	7	19.91	19.99	19.96
5	QPSK	12	13	19.82	19.92	19.91
5	QPSK	25	0	20.06	20.07	20.16
5	16QAM	1	0	20.35	20.41	20.34
5	16QAM	1	12	20.07	20.12	20.19
5	16QAM	1	24	19.95	19.98	20.06
5	16QAM	12	0	19.12	19.13	19.09
5	16QAM	12	7	18.97	19.00	19.01
5	16QAM	12	13	18.87	18.91	18.88
5	16QAM	25	0	19.15	19.12	19.13
5	64QAM	1	0	19.27	19.39	19.18
5	64QAM	1	12	19.11	19.25	19.02
5	64QAM	1	24	18.97	19.06	18.95
5	64QAM	12	0	19.15	19.28	19.07
5	64QAM	12	7	19.06	19.19	18.98
5	64QAM	12	13	18.96	19.11	18.88
5	64QAM	25	0	19.17	19.26	19.02



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	21.07	21.11	21.09
3	QPSK	1	8	20.90	20.92	20.94
3	QPSK	1	14	20.62	20.71	20.66
3	QPSK	8	0	19.95	20.03	20.00
3	QPSK	8	4	19.86	19.94	19.91
3	QPSK	8	7	19.77	19.87	19.86
3	QPSK	15	0	20.01	20.02	20.11
3	16QAM	1	0	20.30	20.36	20.29
3	16QAM	1	8	20.02	20.07	20.14
3	16QAM	1	14	19.90	19.93	20.01
3	16QAM	8	0	19.07	19.08	19.04
3	16QAM	8	4	18.92	18.95	18.96
3	16QAM	8	7	18.82	18.86	18.83
3	16QAM	15	0	19.10	19.07	19.08
3	64QAM	1	0	19.22	19.34	19.13
3	64QAM	1	8	19.06	19.20	19.09
3	64QAM	1	14	19.02	19.01	19.05
3	64QAM	8	0	19.10	19.23	19.02
3	64QAM	8	4	19.01	19.14	18.93
3	64QAM	8	7	18.91	19.06	18.83
3	64QAM	15	0	19.12	19.21	18.97



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	21.06	21.11	21.09
1.4	QPSK	1	3	20.90	20.92	20.94
1.4	QPSK	1	5	20.62	20.71	20.66
1.4	QPSK	3	0	19.95	20.03	20.00
1.4	QPSK	3	1	19.86	19.94	19.91
1.4	QPSK	3	3	19.77	19.87	19.86
1.4	QPSK	6	0	20.01	20.02	20.11
1.4	16QAM	1	0	20.30	20.36	20.29
1.4	16QAM	1	3	20.02	20.07	20.14
1.4	16QAM	1	5	19.90	19.93	20.01
1.4	16QAM	3	0	19.07	19.08	19.04
1.4	16QAM	3	1	18.92	18.95	18.96
1.4	16QAM	3	3	18.82	18.86	18.83
1.4	16QAM	6	0	19.10	19.07	19.08
1.4	64QAM	1	0	19.22	19.34	19.13
1.4	64QAM	1	3	19.06	19.20	18.97
1.4	64QAM	1	5	18.92	19.01	18.90
1.4	64QAM	3	0	19.10	19.23	19.02
1.4	64QAM	3	1	19.01	19.14	18.93
1.4	64QAM	3	3	18.91	19.06	18.83
1.4	64QAM	6	0	19.12	19.21	18.97



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20450	20525	20600
Frequency (MHz)				829	836.5	844
10	QPSK	1	0	22.50	22.60	22.57
10	QPSK	1	25	22.31	22.47	22.35
10	QPSK	1	49	22.27	22.31	22.26
10	QPSK	25	0	21.39	21.40	21.32
10	QPSK	25	12	21.23	21.28	21.15
10	QPSK	25	25	21.11	21.14	21.07
10	QPSK	50	0	21.37	21.38	21.35
10	16QAM	1	0	21.82	21.85	21.68
10	16QAM	1	25	21.67	21.77	21.53
10	16QAM	1	49	21.46	21.52	21.41
10	16QAM	25	0	20.34	20.44	20.37
10	16QAM	25	12	20.25	20.31	20.21
10	16QAM	25	25	20.17	20.23	20.16
10	16QAM	50	0	20.41	20.43	20.39
10	64QAM	1	0	20.79	20.88	20.83
10	64QAM	1	25	20.61	20.75	20.72
10	64QAM	1	49	20.56	20.59	20.53
10	64QAM	25	0	19.84	19.93	19.75
10	64QAM	25	12	19.73	19.88	19.65
10	64QAM	25	25	19.55	19.66	19.53
10	64QAM	50	0	19.89	19.94	19.77



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20425	20525	20625
Frequency (MHz)				826.5	836.5	846.5
5	QPSK	1	0	22.44	22.57	22.51
5	QPSK	1	12	22.25	22.41	22.29
5	QPSK	1	24	22.21	22.25	22.20
5	QPSK	12	0	21.33	21.34	21.26
5	QPSK	12	7	21.17	21.22	21.09
5	QPSK	12	13	21.05	21.08	21.01
5	QPSK	25	0	21.31	21.30	21.29
5	16QAM	1	0	21.76	21.79	21.62
5	16QAM	1	12	21.61	21.71	21.47
5	16QAM	1	24	21.40	21.46	21.35
5	16QAM	12	0	20.28	20.38	20.31
5	16QAM	12	7	20.19	20.25	20.15
5	16QAM	12	13	20.11	20.17	20.10
5	16QAM	25	0	20.35	20.37	20.33
5	64QAM	1	0	20.73	20.82	20.77
5	64QAM	1	12	20.55	20.69	20.66
5	64QAM	1	24	20.50	20.53	20.47
5	64QAM	12	0	19.78	19.87	19.69
5	64QAM	12	7	19.67	19.82	19.59
5	64QAM	12	13	19.49	19.60	19.47
5	64QAM	25	0	19.83	19.88	19.71



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	22.45	22.56	22.52
3	QPSK	1	8	22.26	22.42	22.30
3	QPSK	1	14	22.22	22.26	22.21
3	QPSK	8	0	21.34	21.35	21.27
3	QPSK	8	4	21.18	21.23	21.10
3	QPSK	8	7	21.06	21.09	21.02
3	QPSK	15	0	21.32	21.31	21.30
3	16QAM	1	0	21.77	21.80	21.63
3	16QAM	1	8	21.62	21.72	21.48
3	16QAM	1	14	21.41	21.47	21.36
3	16QAM	8	0	20.29	20.39	20.32
3	16QAM	8	4	20.20	20.26	20.16
3	16QAM	8	7	20.12	20.18	20.11
3	16QAM	15	0	20.36	20.38	20.34
3	64QAM	1	0	20.74	20.83	20.78
3	64QAM	1	8	20.56	20.70	20.67
3	64QAM	1	14	20.51	20.54	20.48
3	64QAM	8	0	19.79	19.88	19.70
3	64QAM	8	4	19.68	19.83	19.60
3	64QAM	8	7	19.50	19.61	19.48
3	64QAM	15	0	19.84	19.89	19.72



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20407	20525	20643
Frequency (MHz)				824.7	836.5	848.3
1.4	QPSK	1	0	22.46	22.55	22.53
1.4	QPSK	1	3	22.27	22.43	22.31
1.4	QPSK	1	5	22.23	22.27	22.22
1.4	QPSK	3	0	21.35	21.36	21.28
1.4	QPSK	3	1	21.19	21.24	21.11
1.4	QPSK	3	3	21.07	21.10	21.03
1.4	QPSK	6	0	21.33	21.32	21.31
1.4	16QAM	1	0	21.78	21.81	21.64
1.4	16QAM	1	3	21.63	21.73	21.49
1.4	16QAM	1	5	21.42	21.48	21.37
1.4	16QAM	3	0	20.30	20.40	20.33
1.4	16QAM	3	1	20.21	20.27	20.17
1.4	16QAM	3	3	20.13	20.19	20.12
1.4	16QAM	6	0	20.37	20.39	20.35
1.4	64QAM	1	0	20.75	20.84	20.79
1.4	64QAM	1	3	20.57	20.71	20.68
1.4	64QAM	1	5	20.52	20.55	20.49
1.4	64QAM	3	0	19.80	19.89	19.71
1.4	64QAM	3	1	19.69	19.84	19.61
1.4	64QAM	3	3	19.51	19.62	19.49
1.4	64QAM	6	0	19.85	19.90	19.73



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	21.84	21.95	21.76
20	QPSK	1	49	21.67	21.73	21.54
20	QPSK	1	99	21.50	21.52	21.45
20	QPSK	50	0	20.96	20.98	20.82
20	QPSK	50	24	20.73	20.81	20.60
20	QPSK	50	50	20.60	20.75	20.53
20	QPSK	100	0	20.95	21.07	20.87
20	16QAM	1	0	20.93	21.17	21.07
20	16QAM	1	49	20.86	20.94	20.82
20	16QAM	1	99	20.68	20.78	20.67
20	16QAM	50	0	19.87	19.85	19.83
20	16QAM	50	24	19.60	19.72	19.56
20	16QAM	50	50	19.56	19.67	19.42
20	16QAM	100	0	19.76	19.95	19.68
20	64QAM	1	0	19.73	19.89	19.77
20	64QAM	1	49	19.65	19.71	19.54
20	64QAM	1	99	19.41	19.55	19.43
20	64QAM	50	0	18.64	18.91	18.85
20	64QAM	50	24	18.51	18.84	18.73
20	64QAM	50	50	18.43	18.69	18.67
20	64QAM	100	0	18.57	18.83	18.79



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	21.81	21.92	21.73
15	QPSK	1	37	21.64	21.70	21.51
15	QPSK	1	74	21.47	21.49	21.42
15	QPSK	36	0	20.93	20.90	20.79
15	QPSK	36	20	20.70	20.78	20.57
15	QPSK	36	39	20.57	20.72	20.50
15	QPSK	75	0	20.92	21.04	20.84
15	16QAM	1	0	20.90	21.14	21.04
15	16QAM	1	37	20.83	20.91	20.79
15	16QAM	1	74	20.65	20.75	20.64
15	16QAM	36	0	19.84	19.82	19.80
15	16QAM	36	20	19.57	19.69	19.53
15	16QAM	36	39	19.53	19.64	19.39
15	16QAM	75	0	19.73	19.92	19.65
15	64QAM	1	0	19.70	19.86	19.74
15	64QAM	1	37	19.62	19.68	19.51
15	64QAM	1	74	19.38	19.52	19.40
15	64QAM	36	0	18.61	18.88	18.82
15	64QAM	36	20	18.48	18.81	18.70
15	64QAM	36	39	18.40	18.66	18.64
15	64QAM	75	0	18.54	18.80	18.76



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	21.76	21.87	21.68
10	QPSK	1	25	21.59	21.65	21.46
10	QPSK	1	49	21.42	21.44	21.37
10	QPSK	25	0	20.88	20.85	20.74
10	QPSK	25	12	20.65	20.73	20.52
10	QPSK	25	25	20.52	20.67	20.45
10	QPSK	50	0	20.87	20.99	20.79
10	16QAM	1	0	20.85	21.09	20.99
10	16QAM	1	25	20.78	20.86	20.74
10	16QAM	1	49	20.60	20.70	20.59
10	16QAM	25	0	19.79	19.77	19.75
10	16QAM	25	12	19.52	19.64	19.48
10	16QAM	25	25	19.48	19.59	19.34
10	16QAM	50	0	19.68	19.87	19.60
10	64QAM	1	0	19.65	19.81	19.69
10	64QAM	1	25	19.57	19.63	19.46
10	64QAM	1	49	19.33	19.47	19.35
10	64QAM	25	0	18.56	18.83	18.77
10	64QAM	25	12	18.43	18.76	18.65
10	64QAM	25	25	18.35	18.61	18.59
10	64QAM	50	0	18.49	18.75	18.71



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	21.71	21.82	21.63
5	QPSK	1	12	21.54	21.60	21.41
5	QPSK	1	24	21.37	21.39	21.32
5	QPSK	12	0	20.83	20.80	20.69
5	QPSK	12	7	20.60	20.68	20.47
5	QPSK	12	13	20.47	20.62	20.40
5	QPSK	25	0	20.82	20.94	20.74
5	16QAM	1	0	20.80	21.04	20.94
5	16QAM	1	12	20.73	20.81	20.69
5	16QAM	1	24	20.55	20.65	20.54
5	16QAM	12	0	19.74	19.72	19.70
5	16QAM	12	7	19.47	19.59	19.43
5	16QAM	12	13	19.43	19.54	19.29
5	16QAM	25	0	19.63	19.82	19.55
5	64QAM	1	0	19.60	19.76	19.64
5	64QAM	1	12	19.52	19.58	19.41
5	64QAM	1	24	19.28	19.42	19.30
5	64QAM	12	0	18.51	18.78	18.72
5	64QAM	12	7	18.38	18.71	18.60
5	64QAM	12	13	18.30	18.56	18.54
5	64QAM	25	0	18.44	18.70	18.66



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23060	23095	23130
Frequency (MHz)				704	707.5	711
10	QPSK	1	0	22.58	22.65	22.54
10	QPSK	1	25	22.35	22.43	22.37
10	QPSK	1	49	22.23	22.27	22.21
10	QPSK	25	0	21.59	21.64	21.60
10	QPSK	25	12	21.43	21.59	21.53
10	QPSK	25	25	21.37	21.44	21.41
10	QPSK	50	0	21.61	21.62	21.52
10	16QAM	1	0	21.89	21.85	21.90
10	16QAM	1	25	21.76	21.73	21.82
10	16QAM	1	49	21.66	21.63	21.75
10	16QAM	25	0	20.61	20.62	20.56
10	16QAM	25	12	20.43	20.52	20.41
10	16QAM	25	25	20.26	20.32	20.24
10	16QAM	50	0	20.57	20.51	20.54
10	64QAM	1	0	20.71	20.79	20.63
10	64QAM	1	25	20.53	20.65	20.49
10	64QAM	1	49	20.41	20.53	20.37
10	64QAM	25	0	19.76	19.85	19.74
10	64QAM	25	12	19.64	19.73	19.61
10	64QAM	25	25	19.41	19.52	19.43
10	64QAM	50	0	19.87	19.93	19.78



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23035	23095	23155
Frequency (MHz)				701.5	707.5	713.5
5	QPSK	1	0	22.52	22.59	22.48
5	QPSK	1	12	22.29	22.37	22.31
5	QPSK	1	24	22.17	22.21	22.15
5	QPSK	12	0	21.53	21.58	21.54
5	QPSK	12	7	21.37	21.53	21.47
5	QPSK	12	13	21.31	21.38	21.35
5	QPSK	25	0	21.55	21.44	21.46
5	16QAM	1	0	21.83	21.79	21.84
5	16QAM	1	12	21.70	21.67	21.76
5	16QAM	1	24	21.60	21.57	21.69
5	16QAM	12	0	20.55	20.56	20.50
5	16QAM	12	7	20.37	20.46	20.35
5	16QAM	12	13	20.20	20.26	20.18
5	16QAM	25	0	20.51	20.45	20.48
5	64QAM	1	0	20.65	20.73	20.57
5	64QAM	1	12	20.47	20.59	20.43
5	64QAM	1	24	20.35	20.47	20.31
5	64QAM	12	0	19.70	19.79	19.68
5	64QAM	12	7	19.58	19.67	19.55
5	64QAM	12	13	19.35	19.46	19.37
5	64QAM	25	0	19.81	19.87	19.72



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23025	23095	23165
Frequency (MHz)				700.5	707.5	714.5
3	QPSK	1	0	22.55	22.62	22.51
3	QPSK	1	8	22.32	22.40	22.34
3	QPSK	1	14	22.20	22.24	22.18
3	QPSK	8	0	21.56	21.61	21.57
3	QPSK	8	4	21.40	21.56	21.50
3	QPSK	8	7	21.34	21.41	21.38
3	QPSK	15	0	21.58	21.47	21.49
3	16QAM	1	0	21.86	21.82	21.87
3	16QAM	1	8	21.73	21.70	21.79
3	16QAM	1	14	21.63	21.60	21.72
3	16QAM	8	0	20.58	20.59	20.53
3	16QAM	8	4	20.40	20.49	20.38
3	16QAM	8	7	20.23	20.29	20.21
3	16QAM	15	0	20.54	20.48	20.51
3	64QAM	1	0	20.68	20.76	20.60
3	64QAM	1	8	20.50	20.62	20.46
3	64QAM	1	14	20.38	20.50	20.34
3	64QAM	8	0	19.73	19.82	19.71
3	64QAM	8	4	19.61	19.70	19.58
3	64QAM	8	7	19.38	19.49	19.40
3	64QAM	15	0	19.84	19.90	19.75



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23017	23095	23173
Frequency (MHz)				699.7	707.5	715.3
1.4	QPSK	1	0	22.48	22.55	22.44
1.4	QPSK	1	3	22.25	22.33	22.27
1.4	QPSK	1	5	22.13	22.17	22.11
1.4	QPSK	3	0	21.49	21.54	21.50
1.4	QPSK	3	1	21.33	21.49	21.43
1.4	QPSK	3	3	21.27	21.34	21.31
1.4	QPSK	6	0	21.51	21.40	21.42
1.4	16QAM	1	0	21.79	21.75	21.80
1.4	16QAM	1	3	21.66	21.63	21.72
1.4	16QAM	1	5	21.56	21.53	21.65
1.4	16QAM	3	0	20.51	20.52	20.46
1.4	16QAM	3	1	20.33	20.42	20.31
1.4	16QAM	3	3	20.16	20.22	20.14
1.4	16QAM	6	0	20.47	20.41	20.44
1.4	64QAM	1	0	20.61	20.69	20.53
1.4	64QAM	1	3	20.43	20.55	20.39
1.4	64QAM	1	5	20.31	20.43	20.27
1.4	64QAM	3	0	19.66	19.75	19.64
1.4	64QAM	3	1	19.54	19.63	19.51
1.4	64QAM	3	3	19.31	19.42	19.33
1.4	64QAM	6	0	19.77	19.83	19.68



LTE Band 13						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				/	23230	/
Frequency (MHz)				/	782	/
10	QPSK	1	0	/	22.65	/
10	QPSK	1	25	/	22.34	/
10	QPSK	1	49	/	22.16	/
10	QPSK	25	0	/	21.60	/
10	QPSK	25	12	/	21.56	/
10	QPSK	25	25	/	21.43	/
10	QPSK	50	0	/	21.57	/
10	16QAM	1	0	/	21.47	/
10	16QAM	1	25	/	21.23	/
10	16QAM	1	49	/	20.98	/
10	16QAM	25	0	/	20.18	/
10	16QAM	25	12	/	20.13	/
10	16QAM	25	25	/	20.07	/
10	16QAM	50	0	/	20.09	/
10	64QAM	1	0	/	19.93	/
10	64QAM	1	25	/	19.87	/
10	64QAM	1	49	/	19.64	/
10	64QAM	25	0	/	18.55	/
10	64QAM	25	12	/	18.43	/
10	64QAM	25	25	/	18.37	/
10	64QAM	50	0	/	18.45	/



LTE Band 13						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23205	23230	23255
Frequency (MHz)				779.5	782	784.5
5	QPSK	1	0	22.63	22.25	22.29
5	QPSK	1	12	22.45	22.24	22.23
5	QPSK	1	24	22.28	22.21	22.18
5	QPSK	12	0	21.34	21.55	21.16
5	QPSK	12	7	21.31	21.43	21.15
5	QPSK	12	13	21.29	21.21	21.14
5	QPSK	25	0	21.16	21.15	21.23
5	16QAM	1	0	21.55	21.39	21.36
5	16QAM	1	12	21.38	21.35	21.28
5	16QAM	1	24	21.34	21.28	21.19
5	16QAM	12	0	20.19	20.09	20.23
5	16QAM	12	7	20.15	19.98	20.19
5	16QAM	12	13	20.08	19.79	20.08
5	16QAM	25	0	20.21	20.13	20.25
5	64QAM	1	0	20.23	20.12	20.19
5	64QAM	1	12	20.21	20.09	20.15
5	64QAM	1	24	20.18	20.05	20.17
5	64QAM	12	0	19.97	19.98	19.89
5	64QAM	12	7	19.89	19.76	19.72
5	64QAM	12	13	19.65	19.69	19.52
5	64QAM	25	0	19.56	19.53	19.46



LTE Band 17						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23780	23790	23800
Frequency (MHz)				709	710	711
10	QPSK	1	0	22.74	22.78	22.60
10	QPSK	1	25	22.56	22.62	22.41
10	QPSK	1	49	22.37	22.46	22.35
10	QPSK	25	0	21.53	21.57	21.52
10	QPSK	25	12	21.24	21.35	21.22
10	QPSK	25	25	21.18	21.24	21.08
10	QPSK	50	0	21.52	21.53	21.51
10	16QAM	1	0	21.85	21.91	21.89
10	16QAM	1	25	21.69	21.75	21.68
10	16QAM	1	49	21.46	21.63	21.55
10	16QAM	25	0	20.56	20.61	20.55
10	16QAM	25	12	20.43	20.55	20.37
10	16QAM	25	25	20.27	20.38	20.24
10	16QAM	50	0	20.53	20.63	20.59
10	64QAM	1	0	20.71	20.83	20.65
10	64QAM	1	25	20.53	20.61	20.44
10	64QAM	1	49	20.41	20.45	20.38
10	64QAM	25	0	19.63	19.81	19.55
10	64QAM	25	12	19.51	19.65	19.41
10	64QAM	25	25	19.39	19.43	19.34
10	64QAM	50	0	19.66	19.78	19.62



LTE Band 17						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23755	23790	23825
Frequency (MHz)				706.5	710	713.5
5	QPSK	1	0	22.68	22.72	22.54
5	QPSK	1	12	22.50	22.56	22.35
5	QPSK	1	24	22.31	22.40	22.29
5	QPSK	12	0	21.47	21.41	21.46
5	QPSK	12	7	21.18	21.29	21.16
5	QPSK	12	13	21.12	21.18	21.02
5	QPSK	25	0	21.46	21.47	21.45
5	16QAM	1	0	21.79	21.85	21.83
5	16QAM	1	12	21.63	21.69	21.62
5	16QAM	1	24	21.40	21.57	21.49
5	16QAM	12	0	20.50	20.55	20.49
5	16QAM	12	7	20.37	20.49	20.31
5	16QAM	12	13	20.21	20.32	20.18
5	16QAM	25	0	20.47	20.57	20.53
5	64QAM	1	0	20.65	20.77	20.59
5	64QAM	1	12	20.47	20.55	20.38
5	64QAM	1	24	20.35	20.39	20.32
5	64QAM	12	0	19.57	19.75	19.49
5	64QAM	12	7	19.45	19.59	19.35
5	64QAM	12	13	19.33	19.37	19.28
5	64QAM	25	0	19.60	19.72	19.56



LTE Band 25						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26140	26365	26590
Frequency (MHz)				1860	1882.5	1905
20	QPSK	1	0	21.50	21.86	21.53
20	QPSK	1	49	21.49	21.84	21.49
20	QPSK	1	99	21.48	21.80	21.45
20	QPSK	50	0	20.86	20.87	20.64
20	QPSK	50	24	20.78	20.60	20.59
20	QPSK	50	50	20.72	20.76	20.57
20	QPSK	100	0	20.67	20.68	20.52
20	16QAM	1	0	20.56	20.87	20.78
20	16QAM	1	49	20.45	20.68	20.65
20	16QAM	1	99	20.37	20.59	20.51
20	16QAM	50	0	19.88	19.50	19.47
20	16QAM	50	24	19.83	19.48	19.43
20	16QAM	50	50	19.76	19.45	19.38
20	16QAM	100	0	19.78	19.52	19.40
20	64QAM	1	0	19.72	19.43	19.48
20	64QAM	1	49	19.63	19.31	19.39
20	64QAM	1	99	19.46	19.28	19.26
20	64QAM	50	0	18.62	18.31	18.32
20	64QAM	50	24	18.41	18.24	18.27
20	64QAM	50	50	18.26	18.19	18.18
20	64QAM	100	0	18.59	18.27	18.13



LTE Band 25						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26115	26365	26615
Frequency (MHz)				1857.5	1882.5	1907.5
15	QPSK	1	0	21.47	21.81	21.48
15	QPSK	1	37	21.44	21.79	21.44
15	QPSK	1	74	21.43	21.75	21.40
15	QPSK	36	0	20.81	20.52	20.39
15	QPSK	36	20	20.73	20.45	20.34
15	QPSK	36	39	20.67	20.41	20.32
15	QPSK	75	0	20.62	20.52	20.17
15	16QAM	1	0	20.51	20.82	20.73
15	16QAM	1	37	20.40	20.63	20.60
15	16QAM	1	74	20.32	20.54	20.46
15	16QAM	36	0	19.83	19.45	19.42
15	16QAM	36	20	19.78	19.43	19.38
15	16QAM	36	39	19.71	19.40	19.33
15	16QAM	75	0	19.73	19.47	19.35
15	64QAM	1	0	19.67	19.38	19.43
15	64QAM	1	37	19.58	19.26	19.34
15	64QAM	1	74	19.41	19.23	19.21
15	64QAM	36	0	18.57	18.26	18.27
15	64QAM	36	20	18.36	18.19	18.22
15	64QAM	36	39	18.21	18.14	18.13
15	64QAM	75	0	18.54	18.22	18.08



LTE Band 25						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26090	26365	26640
Frequency (MHz)				1855	1882.5	1910
10	QPSK	1	0	21.44	21.76	21.43
10	QPSK	1	25	21.39	21.74	21.39
10	QPSK	1	49	21.38	21.70	21.35
10	QPSK	25	0	20.76	20.47	20.34
10	QPSK	25	12	20.68	20.40	20.29
10	QPSK	25	25	20.62	20.36	20.27
10	QPSK	50	0	20.57	20.47	20.12
10	16QAM	1	0	20.46	20.77	20.68
10	16QAM	1	25	20.35	20.58	20.55
10	16QAM	1	49	20.27	20.49	20.41
10	16QAM	25	0	19.78	19.40	19.37
10	16QAM	25	12	19.73	19.38	19.33
10	16QAM	25	25	19.66	19.35	19.28
10	16QAM	50	0	19.68	19.42	19.30
10	64QAM	1	0	19.62	19.33	19.38
10	64QAM	1	25	19.53	19.21	19.29
10	64QAM	1	49	19.36	19.18	19.16
10	64QAM	25	0	18.52	18.21	18.22
10	64QAM	25	12	18.31	18.14	18.17
10	64QAM	25	25	18.16	18.09	18.08
10	64QAM	50	0	18.49	18.17	18.03



LTE Band 25						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26065	26365	26665
Frequency (MHz)				1852.5	1882.5	1912.5
5	QPSK	1	0	21.40	21.72	21.39
5	QPSK	1	12	21.35	21.70	21.35
5	QPSK	1	24	21.34	21.66	21.31
5	QPSK	12	0	20.72	20.43	20.30
5	QPSK	12	7	20.64	20.36	20.25
5	QPSK	12	13	20.58	20.32	20.23
5	QPSK	25	0	20.53	20.43	20.08
5	16QAM	1	0	20.42	20.73	20.64
5	16QAM	1	12	20.31	20.54	20.51
5	16QAM	1	24	20.23	20.45	20.37
5	16QAM	12	0	19.74	19.36	19.33
5	16QAM	12	7	19.69	19.34	19.29
5	16QAM	12	13	19.62	19.31	19.24
5	16QAM	25	0	19.64	19.38	19.26
5	64QAM	1	0	19.58	19.29	19.34
5	64QAM	1	12	19.49	19.17	19.25
5	64QAM	1	24	19.32	19.14	19.12
5	64QAM	12	0	18.48	18.17	18.18
5	64QAM	12	7	18.27	18.10	18.13
5	64QAM	12	13	18.12	18.05	18.04
5	64QAM	25	0	18.45	18.13	17.99



LTE Band 25						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26055	26365	26675
Frequency (MHz)				1851.5	1882.5	1913.5
3	QPSK	1	0	21.36	21.68	21.35
3	QPSK	1	8	21.31	21.66	21.31
3	QPSK	1	14	21.30	21.62	21.27
3	QPSK	8	0	20.68	20.39	20.26
3	QPSK	8	4	20.60	20.32	20.21
3	QPSK	8	7	20.54	20.28	20.19
3	QPSK	15	0	20.49	20.39	20.04
3	16QAM	1	0	20.38	20.69	20.60
3	16QAM	1	8	20.27	20.50	20.47
3	16QAM	1	14	20.19	20.41	20.33
3	16QAM	8	0	19.70	19.32	19.29
3	16QAM	8	4	19.65	19.30	19.25
3	16QAM	8	7	19.58	19.27	19.20
3	16QAM	15	0	19.60	19.34	19.22
3	64QAM	1	0	19.54	19.25	19.30
3	64QAM	1	8	19.45	19.13	19.21
3	64QAM	1	14	19.28	19.10	19.08
3	64QAM	8	0	18.44	18.13	18.14
3	64QAM	8	4	18.23	18.06	18.09
3	64QAM	8	7	18.08	18.01	18.00
3	64QAM	15	0	18.41	18.09	17.95



LTE Band 25						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26047	26365	26683
Frequency (MHz)				1850.7	1882.5	1914.3
1.4	QPSK	1	0	21.30	21.62	21.29
1.4	QPSK	1	3	21.25	21.60	21.25
1.4	QPSK	1	5	21.24	21.56	21.21
1.4	QPSK	3	0	20.62	20.33	20.20
1.4	QPSK	3	1	20.54	20.26	20.15
1.4	QPSK	3	3	20.48	20.22	20.13
1.4	QPSK	6	0	20.43	20.33	19.98
1.4	16QAM	1	0	20.32	20.63	20.54
1.4	16QAM	1	3	20.21	20.44	20.41
1.4	16QAM	1	5	20.13	20.35	20.27
1.4	16QAM	3	0	19.64	19.26	19.23
1.4	16QAM	3	1	19.59	19.24	19.19
1.4	16QAM	3	3	19.52	19.21	19.14
1.4	16QAM	6	0	19.54	19.28	19.16
1.4	64QAM	1	0	19.48	19.19	19.24
1.4	64QAM	1	3	19.39	19.07	19.15
1.4	64QAM	1	5	19.22	19.04	19.02
1.4	64QAM	3	0	18.38	18.07	18.08
1.4	64QAM	3	1	18.17	18.00	18.03
1.4	64QAM	3	3	18.02	17.95	17.94
1.4	64QAM	6	0	18.35	18.03	17.89



LTE Band 26						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26865	26915	26965
Frequency (MHz)				831.5	836.5	841.5
15	QPSK	1	0	22.49	22.56	22.54
15	QPSK	1	37	22.37	22.41	22.38
15	QPSK	1	74	22.23	22.36	22.27
15	QPSK	36	0	21.48	21.58	21.44
15	QPSK	36	20	21.35	21.43	21.31
15	QPSK	36	39	21.23	21.32	21.22
15	QPSK	75	0	21.46	21.47	21.43
15	16QAM	1	0	21.87	21.86	21.83
15	16QAM	1	37	21.76	21.79	21.74
15	16QAM	1	74	21.59	21.68	21.65
15	16QAM	36	0	20.43	20.53	20.44
15	16QAM	36	20	20.32	20.41	20.32
15	16QAM	36	39	20.19	20.25	20.21
15	16QAM	75	0	20.49	20.48	20.38
15	64QAM	1	0	20.83	20.91	20.74
15	64QAM	1	37	20.77	20.84	20.67
15	64QAM	1	74	20.63	20.71	20.58
15	64QAM	36	0	19.37	19.41	19.32
15	64QAM	36	20	19.18	19.24	19.15
15	64QAM	36	39	19.11	19.16	19.08
15	64QAM	75	0	19.06	19.09	19.03



LTE Band 26						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26840	26915	26990
Frequency (MHz)				829.0	836.5	844.0
10	QPSK	1	0	22.43	22.50	22.48
10	QPSK	1	25	22.31	22.35	22.32
10	QPSK	1	49	22.17	22.30	22.21
10	QPSK	25	0	21.42	21.52	21.38
10	QPSK	25	12	21.29	21.37	21.25
10	QPSK	25	25	21.17	21.26	21.16
10	QPSK	50	0	21.40	21.41	21.37
10	16QAM	1	0	21.81	21.80	21.77
10	16QAM	1	25	21.70	21.73	21.68
10	16QAM	1	49	21.53	21.62	21.59
10	16QAM	25	0	20.37	20.47	20.38
10	16QAM	25	12	20.26	20.35	20.26
10	16QAM	25	25	20.13	20.19	20.15
10	16QAM	50	0	20.43	20.42	20.32
10	64QAM	1	0	20.77	20.85	20.68
10	64QAM	1	25	20.71	20.78	20.61
10	64QAM	1	49	20.57	20.65	20.52
10	64QAM	25	0	19.31	19.35	19.26
10	64QAM	25	12	19.12	19.18	19.09
10	64QAM	25	25	19.05	19.10	19.02
10	64QAM	50	0	19.00	19.03	18.97



LTE Band 26						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26815	26915	27015
Frequency (MHz)				826.5	836.5	846.5
5	QPSK	1	0	22.40	22.47	22.45
5	QPSK	1	12	22.28	22.32	22.29
5	QPSK	1	24	22.14	22.27	22.18
5	QPSK	12	0	21.39	21.49	21.35
5	QPSK	12	7	21.26	21.34	21.22
5	QPSK	12	13	21.14	21.23	21.13
5	QPSK	25	0	21.37	21.38	21.34
5	16QAM	1	0	21.78	21.77	21.74
5	16QAM	1	12	21.67	21.70	21.65
5	16QAM	1	24	21.50	21.59	21.56
5	16QAM	12	0	20.34	20.44	20.35
5	16QAM	12	7	20.23	20.32	20.23
5	16QAM	12	13	20.10	20.16	20.12
5	16QAM	25	0	20.40	20.39	20.29
5	64QAM	1	0	20.74	20.82	20.65
5	64QAM	1	12	20.68	20.75	20.58
5	64QAM	1	24	20.54	20.62	20.49
5	64QAM	12	0	19.28	19.32	19.23
5	64QAM	12	7	19.09	19.15	19.06
5	64QAM	12	13	19.02	19.07	18.99
5	64QAM	25	0	18.97	19.00	18.94



LTE Band 26						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26805	26915	27025
Frequency (MHz)				825.5	836.5	847.5
3	QPSK	1	0	22.37	22.44	22.42
3	QPSK	1	8	22.25	22.29	22.26
3	QPSK	1	14	22.11	22.24	22.15
3	QPSK	8	0	21.36	21.46	21.32
3	QPSK	8	4	21.23	21.31	21.19
3	QPSK	8	7	21.11	21.20	21.10
3	QPSK	15	0	21.34	21.35	21.31
3	16QAM	1	0	21.75	21.74	21.71
3	16QAM	1	8	21.64	21.67	21.62
3	16QAM	1	14	21.47	21.56	21.53
3	16QAM	8	0	20.31	20.41	20.32
3	16QAM	8	4	20.20	20.29	20.20
3	16QAM	8	7	20.07	20.13	20.09
3	16QAM	15	0	20.37	20.36	20.26
3	64QAM	1	0	20.71	20.79	20.62
3	64QAM	1	8	20.65	20.72	20.55
3	64QAM	1	14	20.51	20.59	20.46
3	64QAM	8	0	19.25	19.29	19.20
3	64QAM	8	4	19.06	19.12	19.03
3	64QAM	8	7	18.99	19.04	18.96
3	64QAM	15	0	18.94	18.97	18.91



LTE Band 26						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26797	26915	27033
Frequency (MHz)				824.7	836.5	848.3
1.4	QPSK	1	0	22.36	22.43	22.41
1.4	QPSK	1	3	22.24	22.28	22.25
1.4	QPSK	1	5	22.10	22.23	22.14
1.4	QPSK	3	0	21.35	21.45	21.31
1.4	QPSK	3	1	21.22	21.30	21.18
1.4	QPSK	3	3	21.10	21.19	21.09
1.4	QPSK	6	0	21.33	21.34	21.30
1.4	16QAM	1	0	21.74	21.73	21.70
1.4	16QAM	1	3	21.63	21.66	21.61
1.4	16QAM	1	5	21.46	21.55	21.52
1.4	16QAM	3	0	20.30	20.40	20.31
1.4	16QAM	3	1	20.19	20.28	20.19
1.4	16QAM	3	3	20.06	20.12	20.08
1.4	16QAM	6	0	20.36	20.35	20.25
1.4	64QAM	1	0	20.70	20.78	20.61
1.4	64QAM	1	3	20.64	20.71	20.54
1.4	64QAM	1	5	20.50	20.58	20.45
1.4	64QAM	3	0	19.24	19.28	19.19
1.4	64QAM	3	1	19.05	19.11	19.02
1.4	64QAM	3	3	18.98	19.03	18.95
1.4	64QAM	6	0	18.93	18.96	18.90



LTE Band 41						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39750	40620	41490
Frequency (MHz)				2506	2593	2680
20	QPSK	1	0	23.37	22.98	22.93
20	QPSK	1	49	23.16	22.57	22.55
20	QPSK	1	99	23.08	22.52	22.67
20	QPSK	50	0	23.10	23.05	23.25
20	QPSK	50	24	22.89	22.87	22.98
20	QPSK	50	50	22.68	22.68	22.67
20	QPSK	100	0	23.51	23.23	22.67
20	16QAM	1	0	22.60	22.05	21.19
20	16QAM	1	49	22.35	21.78	21.56
20	16QAM	1	99	22.13	21.43	21.35
20	16QAM	50	0	21.80	22.36	22.02
20	16QAM	50	24	21.67	22.25	21.83
20	16QAM	50	50	21.43	22.13	21.76
20	16QAM	100	0	22.39	22.69	21.67
20	64QAM	1	0	21.98	21.95	21.90
20	64QAM	1	49	21.87	21.86	21.85
20	64QAM	1	99	21.72	21.72	21.73
20	64QAM	50	0	20.85	20.86	20.13
20	64QAM	50	24	20.75	20.75	20.11
20	64QAM	50	50	20.57	20.61	20.07
20	64QAM	100	0	20.42	20.53	20.05



LTE Band 41						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39725	40620	41515
Frequency (MHz)				2503.5	2593	2682.5
15	QPSK	1	0	23.34	22.95	22.40
15	QPSK	1	37	23.13	22.54	22.22
15	QPSK	1	74	23.05	22.45	22.14
15	QPSK	36	0	23.07	23.02	23.22
15	QPSK	36	20	22.86	22.84	22.95
15	QPSK	36	39	22.65	22.65	22.64
15	QPSK	75	0	23.48	23.20	22.64
15	16QAM	1	0	22.57	22.02	21.76
15	16QAM	1	37	22.32	21.75	21.53
15	16QAM	1	74	22.10	21.40	21.32
15	16QAM	36	0	21.77	22.33	21.99
15	16QAM	36	20	21.64	22.22	21.80
15	16QAM	36	39	21.40	22.10	21.73
15	16QAM	75	0	22.36	22.66	21.64
15	64QAM	1	0	21.95	21.92	21.87
15	64QAM	1	37	21.84	21.83	21.82
15	64QAM	1	74	21.69	21.69	21.70
15	64QAM	36	0	20.82	20.83	20.10
15	64QAM	36	20	20.72	20.72	20.08
15	64QAM	36	39	20.54	20.58	20.04
15	64QAM	75	0	20.39	20.50	20.02



LTE Band 41						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39700	40620	41540
Frequency (MHz)				2501	2593	2685
10	QPSK	1	0	23.31	22.92	22.37
10	QPSK	1	25	23.10	22.51	22.19
10	QPSK	1	49	23.02	22.26	22.11
10	QPSK	25	0	23.04	22.99	23.19
10	QPSK	25	12	22.83	22.81	22.92
10	QPSK	25	25	22.62	22.62	22.61
10	QPSK	50	0	23.45	23.17	22.61
10	16QAM	1	0	22.54	21.99	20.73
10	16QAM	1	25	22.29	21.72	20.50
10	16QAM	1	49	22.07	21.37	20.29
10	16QAM	25	0	21.74	22.30	21.96
10	16QAM	25	12	21.61	22.19	21.77
10	16QAM	25	25	21.37	22.07	21.70
10	16QAM	50	0	22.33	22.63	21.61
10	64QAM	1	0	21.92	21.89	21.84
10	64QAM	1	25	21.81	21.80	21.79
10	64QAM	1	49	21.66	21.66	21.67
10	64QAM	25	0	20.79	20.80	20.07
10	64QAM	25	12	20.69	20.69	20.05
10	64QAM	25	25	20.51	20.55	20.01
10	64QAM	50	0	20.36	20.47	19.99



LTE Band 41						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39675	40620	41565
Frequency (MHz)				2498.5	2593	2687.5
5	QPSK	1	0	23.27	22.88	22.33
5	QPSK	1	12	23.06	22.47	22.15
5	QPSK	1	24	22.98	22.22	22.07
5	QPSK	12	0	23.00	22.95	23.15
5	QPSK	12	7	22.79	22.77	22.88
5	QPSK	12	13	22.58	22.58	22.57
5	QPSK	25	0	23.41	23.13	22.57
5	16QAM	1	0	22.50	21.95	20.69
5	16QAM	1	12	22.25	21.68	20.46
5	16QAM	1	24	22.03	21.33	20.25
5	16QAM	12	0	21.70	22.26	21.92
5	16QAM	12	7	21.57	22.15	21.73
5	16QAM	12	13	21.33	22.03	21.66
5	16QAM	25	0	22.29	22.59	21.57
5	64QAM	1	0	21.88	21.85	21.80
5	64QAM	1	12	21.77	21.76	21.75
5	64QAM	1	24	21.62	21.62	21.63
5	64QAM	12	0	20.75	20.76	20.03
5	64QAM	12	7	20.65	20.65	20.01
5	64QAM	12	13	20.47	20.51	19.97
5	64QAM	25	0	20.32	20.43	19.95



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132072	132322	132572
Frequency (MHz)				1720	1745	1770
20	QPSK	1	0	21.24	21.54	21.30
20	QPSK	1	49	21.15	21.46	21.23
20	QPSK	1	99	21.14	21.37	21.15
20	QPSK	50	0	20.17	20.53	20.49
20	QPSK	50	24	20.16	20.45	20.36
20	QPSK	50	50	20.23	20.38	20.25
20	QPSK	100	0	20.20	20.49	20.47
20	16QAM	1	0	20.69	20.88	20.96
20	16QAM	1	49	20.55	20.67	20.78
20	16QAM	1	99	20.47	20.51	20.59
20	16QAM	50	0	19.25	19.40	19.56
20	16QAM	50	24	19.18	19.23	19.30
20	16QAM	50	50	19.12	19.14	19.16
20	16QAM	100	0	19.16	19.33	19.50
20	64QAM	1	0	19.35	19.60	19.55
20	64QAM	1	49	19.27	19.46	19.34
20	64QAM	1	99	19.19	19.28	19.20
20	64QAM	50	0	18.08	18.10	18.13
20	64QAM	50	24	17.97	17.82	17.91
20	64QAM	50	50	17.84	17.67	17.72
20	64QAM	100	0	17.96	18.09	18.29



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132047	132322	132597
Frequency (MHz)				1717.5	1745	1772.5
15	QPSK	1	0	21.18	21.48	21.24
15	QPSK	1	37	21.09	21.40	21.17
15	QPSK	1	74	21.08	21.31	21.09
15	QPSK	36	0	20.11	20.27	20.43
15	QPSK	36	20	20.10	20.19	20.30
15	QPSK	36	39	20.07	20.12	20.19
15	QPSK	75	0	20.14	20.23	20.41
15	16QAM	1	0	20.63	20.82	20.90
15	16QAM	1	37	20.49	20.61	20.72
15	16QAM	1	74	20.41	20.45	20.53
15	16QAM	36	0	19.19	19.34	19.50
15	16QAM	36	20	19.12	19.17	19.24
15	16QAM	36	39	19.06	19.08	19.10
15	16QAM	75	0	19.10	19.27	19.44
15	64QAM	1	0	19.29	19.54	19.49
15	64QAM	1	37	19.21	19.40	19.28
15	64QAM	1	74	19.13	19.22	19.14
15	64QAM	36	0	18.02	18.04	18.07
15	64QAM	36	20	17.91	17.76	17.85
15	64QAM	36	39	17.78	17.61	17.66
15	64QAM	75	0	17.90	18.03	18.23



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	21.15	21.45	21.21
10	QPSK	1	25	21.06	21.37	21.14
10	QPSK	1	49	21.05	21.28	21.06
10	QPSK	25	0	20.08	20.24	20.40
10	QPSK	25	12	20.07	20.16	20.27
10	QPSK	25	25	20.04	20.09	20.16
10	QPSK	50	0	20.11	20.20	20.38
10	16QAM	1	0	20.60	20.79	20.87
10	16QAM	1	25	20.46	20.58	20.69
10	16QAM	1	49	20.38	20.42	20.50
10	16QAM	25	0	19.16	19.31	19.47
10	16QAM	25	12	19.09	19.14	19.21
10	16QAM	25	25	19.03	19.05	19.07
10	16QAM	50	0	19.07	19.24	19.41
10	64QAM	1	0	19.26	19.51	19.46
10	64QAM	1	25	19.18	19.37	19.25
10	64QAM	1	49	19.10	19.19	19.11
10	64QAM	25	0	17.99	18.01	18.04
10	64QAM	25	12	17.88	17.73	17.82
10	64QAM	25	25	17.75	17.58	17.63
10	64QAM	50	0	17.87	18.00	18.20



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	21.11	21.41	21.17
5	QPSK	1	12	21.02	21.33	21.10
5	QPSK	1	24	21.01	21.24	21.02
5	QPSK	12	0	20.04	20.20	20.36
5	QPSK	12	7	20.03	20.12	20.23
5	QPSK	12	13	20.00	20.05	20.12
5	QPSK	25	0	20.07	20.16	20.34
5	16QAM	1	0	20.56	20.75	20.83
5	16QAM	1	12	20.42	20.54	20.65
5	16QAM	1	24	20.34	20.38	20.46
5	16QAM	12	0	19.12	19.27	19.43
5	16QAM	12	7	19.05	19.10	19.17
5	16QAM	12	13	18.99	19.01	19.03
5	16QAM	25	0	19.03	19.20	19.37
5	64QAM	1	0	19.22	19.47	19.42
5	64QAM	1	12	19.14	19.33	19.21
5	64QAM	1	24	19.06	19.15	19.07
5	64QAM	12	0	17.95	17.97	18.00
5	64QAM	12	7	17.84	17.69	17.78
5	64QAM	12	13	17.71	17.54	17.59
5	64QAM	25	0	17.83	17.96	18.16



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	21.08	21.38	21.14
3	QPSK	1	8	20.99	21.30	21.07
3	QPSK	1	14	20.98	21.21	20.99
3	QPSK	8	0	20.01	20.17	20.33
3	QPSK	8	4	20.00	20.09	20.20
3	QPSK	8	7	19.97	20.02	20.09
3	QPSK	15	0	20.04	20.13	20.31
3	16QAM	1	0	20.53	20.72	20.80
3	16QAM	1	8	20.39	20.51	20.62
3	16QAM	1	14	20.31	20.35	20.43
3	16QAM	8	0	19.09	19.24	19.40
3	16QAM	8	4	19.02	19.07	19.14
3	16QAM	8	7	18.96	18.98	19.00
3	16QAM	15	0	19.00	19.17	19.34
3	64QAM	1	0	19.19	19.44	19.39
3	64QAM	1	8	19.11	19.30	19.18
3	64QAM	1	14	19.03	19.12	19.04
3	64QAM	8	0	17.92	17.94	17.97
3	64QAM	8	4	17.81	17.66	17.75
3	64QAM	8	7	17.68	17.51	17.56
3	64QAM	15	0	17.80	17.93	18.13



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				131979	132322	132665
Frequency (MHz)				1710.7	1745	1779.3
1.4	QPSK	1	0	21.05	21.35	21.11
1.4	QPSK	1	3	20.96	21.27	21.04
1.4	QPSK	1	5	20.95	21.18	20.96
1.4	QPSK	3	0	19.98	20.14	20.30
1.4	QPSK	3	1	19.97	20.06	20.17
1.4	QPSK	3	3	19.94	19.99	20.06
1.4	QPSK	6	0	20.01	20.10	20.28
1.4	16QAM	1	0	20.50	20.69	20.77
1.4	16QAM	1	3	20.36	20.48	20.59
1.4	16QAM	1	5	20.28	20.32	20.40
1.4	16QAM	3	0	19.06	19.21	19.37
1.4	16QAM	3	1	18.99	19.04	19.11
1.4	16QAM	3	3	18.93	18.95	18.97
1.4	16QAM	6	0	18.97	19.14	19.31
1.4	64QAM	1	0	19.16	19.41	19.36
1.4	64QAM	1	3	19.08	19.27	19.15
1.4	64QAM	1	5	19.00	19.09	19.01
1.4	64QAM	3	0	17.89	17.91	17.94
1.4	64QAM	3	1	17.78	17.63	17.72
1.4	64QAM	3	3	17.65	17.48	17.53
1.4	64QAM	6	0	17.77	17.90	18.10



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	22.77	22.97	22.81
20	QPSK	1	49	22.64	22.74	22.71
20	QPSK	1	99	22.61	22.58	22.57
20	QPSK	50	0	22.09	22.13	22.12
20	QPSK	50	24	21.95	21.99	22.06
20	QPSK	50	50	22.08	22.17	21.90
20	QPSK	100	0	22.02	22.04	22.01
20	16QAM	1	0	22.26	22.43	22.39
20	16QAM	1	49	22.12	22.27	22.30
20	16QAM	1	99	21.94	22.25	22.15
20	16QAM	50	0	21.31	21.47	21.40
20	16QAM	50	24	21.17	21.34	21.33
20	16QAM	50	50	21.15	21.20	21.25
20	16QAM	100	0	20.99	21.02	21.11
20	64QAM	1	0	22.09	22.14	21.95
20	64QAM	1	49	21.99	22.03	21.84
20	64QAM	1	99	21.86	21.93	21.71
20	64QAM	50	0	20.75	20.83	20.84
20	64QAM	50	24	20.72	20.77	20.80
20	64QAM	50	50	20.65	20.71	20.51
20	64QAM	100	0	20.62	20.74	20.53



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	22.72	22.91	22.74
15	QPSK	1	37	22.57	22.72	22.63
15	QPSK	1	74	22.57	22.53	22.52
15	QPSK	36	0	22.01	22.06	22.09
15	QPSK	36	20	21.91	21.94	22.02
15	QPSK	36	39	22.04	22.10	21.84
15	QPSK	75	0	21.96	21.97	21.96
15	16QAM	1	0	22.19	22.39	22.34
15	16QAM	1	37	22.07	22.25	22.26
15	16QAM	1	74	21.91	22.21	22.13
15	16QAM	36	0	21.27	21.39	21.34
15	16QAM	36	20	21.16	21.31	21.27
15	16QAM	36	39	21.07	21.13	21.19
15	16QAM	75	0	20.94	20.97	21.06
15	64QAM	1	0	22.02	22.07	21.91
15	64QAM	1	37	21.95	22.01	21.76
15	64QAM	1	74	21.78	21.87	21.65
15	64QAM	36	0	20.72	20.76	20.76
15	64QAM	36	20	20.69	20.75	20.79
15	64QAM	36	39	20.63	20.67	20.47
15	64QAM	75	0	20.57	20.68	20.50



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	22.67	22.88	22.68
10	QPSK	1	25	22.55	22.66	22.59
10	QPSK	1	49	22.54	22.47	22.45
10	QPSK	25	0	21.96	22.03	22.05
10	QPSK	25	12	21.87	21.90	21.95
10	QPSK	25	25	22.00	22.08	21.83
10	QPSK	50	0	21.92	21.92	21.89
10	16QAM	1	0	22.17	22.36	22.26
10	16QAM	1	25	22.04	22.23	22.18
10	16QAM	1	49	21.89	22.19	22.07
10	16QAM	25	0	21.25	21.38	21.29
10	16QAM	25	12	21.13	21.24	21.23
10	16QAM	25	25	21.02	21.10	21.18
10	16QAM	50	0	20.92	20.93	20.99
10	64QAM	1	0	21.96	22.01	21.88
10	64QAM	1	25	21.93	21.98	21.69
10	64QAM	1	49	21.76	21.81	21.57
10	64QAM	25	0	20.67	20.69	20.70
10	64QAM	25	12	20.67	20.68	20.76
10	64QAM	25	25	20.57	20.60	20.40
10	64QAM	50	0	20.50	20.66	20.47



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	22.65	22.82	22.65
5	QPSK	1	12	22.53	22.63	22.52
5	QPSK	1	24	22.49	22.41	22.41
5	QPSK	12	0	21.93	21.97	21.99
5	QPSK	12	7	21.80	21.86	21.93
5	QPSK	12	13	21.98	22.06	21.77
5	QPSK	25	0	21.91	21.86	21.87
5	16QAM	1	0	22.09	22.31	22.21
5	16QAM	1	12	21.98	22.19	22.17
5	16QAM	1	24	21.84	22.15	22.00
5	16QAM	12	0	21.18	21.35	21.28
5	16QAM	12	7	21.05	21.22	21.16
5	16QAM	12	13	20.97	21.05	21.17
5	16QAM	25	0	20.86	20.88	20.96
5	64QAM	1	0	21.90	21.94	21.86
5	64QAM	1	12	21.87	21.93	21.63
5	64QAM	1	24	21.73	21.78	21.53
5	64QAM	12	0	20.62	20.66	20.66
5	64QAM	12	7	20.62	20.67	20.70
5	64QAM	12	13	20.53	20.54	20.36
5	64QAM	25	0	20.47	20.60	20.41

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

LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18700		18900		19100	
Frequency (MHz)				1860		1880		1900	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	23.69	0.234	23.80	0.240	23.63	0.231
20	QPSK	1	49	23.52	0.225	23.67	0.233	23.44	0.221
20	QPSK	1	99	23.37	0.217	23.43	0.220	23.36	0.217
20	QPSK	50	0	22.67	0.185	22.54	0.179	22.47	0.177
20	QPSK	50	24	22.44	0.175	22.41	0.174	22.39	0.173
20	QPSK	50	50	22.34	0.171	22.32	0.171	22.37	0.173
20	QPSK	100	0	22.65	0.184	22.56	0.180	22.50	0.178
20	16QAM	1	0	23.24	0.211	23.25	0.211	23.04	0.201
20	16QAM	1	49	23.04	0.201	23.07	0.203	22.93	0.196
20	16QAM	1	99	22.83	0.192	22.85	0.193	22.76	0.189
20	16QAM	50	0	21.90	0.155	21.75	0.150	21.70	0.148
20	16QAM	50	24	21.74	0.149	21.61	0.145	21.55	0.143
20	16QAM	50	50	21.57	0.144	21.45	0.140	21.41	0.138
20	16QAM	100	0	21.90	0.155	21.72	0.149	21.52	0.142
20	64QAM	1	0	21.89	0.155	21.83	0.152	21.61	0.145
20	64QAM	1	49	21.72	0.149	21.68	0.147	21.53	0.142
20	64QAM	1	99	21.58	0.144	21.49	0.141	21.45	0.140
20	64QAM	50	0	20.94	0.124	21.06	0.128	20.81	0.121
20	64QAM	50	24	20.73	0.118	20.95	0.124	20.77	0.119
20	64QAM	50	50	21.11	0.129	21.22	0.132	21.03	0.127
20	64QAM	100	0	20.99	0.126	21.03	0.127	20.86	0.122



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18675		18900		19125	
Frequency (MHz)				1857.5		1880		1902.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	23.65	0.232	23.76	0.238	23.59	0.229
15	QPSK	1	37	23.48	0.223	23.63	0.231	23.40	0.219
15	QPSK	1	74	23.33	0.215	23.39	0.218	23.32	0.215
15	QPSK	36	0	22.63	0.183	22.50	0.178	22.43	0.175
15	QPSK	36	20	22.40	0.174	22.37	0.173	22.35	0.172
15	QPSK	36	39	22.30	0.170	22.28	0.169	22.33	0.171
15	QPSK	75	0	22.61	0.182	22.52	0.179	22.46	0.176
15	16QAM	1	0	23.20	0.209	23.21	0.209	23.00	0.200
15	16QAM	1	37	23.00	0.200	23.03	0.201	22.89	0.195
15	16QAM	1	74	22.79	0.190	22.81	0.191	22.72	0.187
15	16QAM	36	0	21.86	0.153	21.71	0.148	21.66	0.147
15	16QAM	36	20	21.70	0.148	21.57	0.144	21.51	0.142
15	16QAM	36	39	21.53	0.142	21.41	0.138	21.37	0.137
15	16QAM	75	0	21.86	0.153	21.68	0.147	21.48	0.141
15	64QAM	1	0	21.85	0.153	21.79	0.151	21.57	0.144
15	64QAM	1	37	21.68	0.147	21.64	0.146	21.49	0.141
15	64QAM	1	74	21.54	0.143	21.45	0.140	21.41	0.138
15	64QAM	36	0	20.90	0.123	21.02	0.126	20.77	0.119
15	64QAM	36	20	20.69	0.117	20.91	0.123	20.73	0.118
15	64QAM	36	39	21.07	0.128	21.18	0.131	20.99	0.126
15	64QAM	75	0	20.95	0.124	20.99	0.126	20.82	0.121



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18650		18900		19150	
Frequency (MHz)				1855		1880		1905	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	23.61	0.230	23.72	0.236	23.55	0.226
10	QPSK	1	25	23.44	0.221	23.59	0.229	23.36	0.217
10	QPSK	1	49	23.29	0.213	23.35	0.216	23.28	0.213
10	QPSK	25	0	22.59	0.182	22.46	0.176	22.39	0.173
10	QPSK	25	12	22.36	0.172	22.33	0.171	22.31	0.170
10	QPSK	25	25	22.26	0.168	22.24	0.167	22.29	0.169
10	QPSK	50	0	22.57	0.181	22.48	0.177	22.42	0.175
10	16QAM	1	0	23.16	0.207	23.17	0.207	22.96	0.198
10	16QAM	1	25	22.96	0.198	22.99	0.199	22.85	0.193
10	16QAM	1	49	22.75	0.188	22.77	0.189	22.68	0.185
10	16QAM	25	0	21.82	0.152	21.67	0.147	21.62	0.145
10	16QAM	25	12	21.66	0.147	21.53	0.142	21.47	0.140
10	16QAM	25	25	21.49	0.141	21.37	0.137	21.33	0.136
10	16QAM	50	0	21.82	0.152	21.64	0.146	21.44	0.139
10	64QAM	1	0	21.81	0.152	21.75	0.150	21.53	0.142
10	64QAM	1	25	21.64	0.146	21.60	0.145	21.45	0.140
10	64QAM	1	49	21.50	0.141	21.41	0.138	21.37	0.137
10	64QAM	25	0	20.86	0.122	20.98	0.125	20.73	0.118
10	64QAM	25	12	20.65	0.116	20.87	0.122	20.69	0.117
10	64QAM	25	25	21.03	0.127	21.14	0.130	20.95	0.124
10	64QAM	50	0	20.91	0.123	20.95	0.124	20.78	0.120



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18625		18900		19175	
Frequency (MHz)				1852.5		1880		1907.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	23.58	0.228	23.69	0.234	23.52	0.225
5	QPSK	1	12	23.41	0.219	23.56	0.227	23.33	0.215
5	QPSK	1	24	23.26	0.212	23.32	0.215	23.25	0.211
5	QPSK	12	0	22.56	0.180	22.43	0.175	22.36	0.172
5	QPSK	12	7	22.33	0.171	22.30	0.170	22.28	0.169
5	QPSK	12	13	22.23	0.167	22.21	0.166	22.26	0.168
5	QPSK	25	0	22.54	0.179	22.45	0.176	22.39	0.173
5	16QAM	1	0	23.13	0.206	23.14	0.206	22.93	0.196
5	16QAM	1	12	22.93	0.196	22.96	0.198	22.82	0.191
5	16QAM	1	24	22.72	0.187	22.74	0.188	22.65	0.184
5	16QAM	12	0	21.79	0.151	21.64	0.146	21.59	0.144
5	16QAM	12	7	21.63	0.146	21.50	0.141	21.44	0.139
5	16QAM	12	13	21.46	0.140	21.34	0.136	21.30	0.135
5	16QAM	25	0	21.79	0.151	21.61	0.145	21.41	0.138
5	64QAM	1	0	21.78	0.151	21.72	0.149	21.50	0.141
5	64QAM	1	12	21.61	0.145	21.57	0.144	21.42	0.139
5	64QAM	1	24	21.47	0.140	21.38	0.137	21.34	0.136
5	64QAM	12	0	20.83	0.121	20.95	0.124	20.70	0.117
5	64QAM	12	7	20.62	0.115	20.84	0.121	20.66	0.116
5	64QAM	12	13	21.00	0.126	21.11	0.129	20.92	0.124
5	64QAM	25	0	20.88	0.122	20.92	0.124	20.75	0.119



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18615		18900		19185	
Frequency (MHz)				1851.5		1880		1908.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	23.55	0.226	23.66	0.232	23.49	0.223
3	QPSK	1	8	23.38	0.218	23.53	0.225	23.30	0.214
3	QPSK	1	14	23.23	0.210	23.29	0.213	23.22	0.210
3	QPSK	8	0	22.53	0.179	22.40	0.174	22.33	0.171
3	QPSK	8	4	22.30	0.170	22.27	0.169	22.25	0.168
3	QPSK	8	7	22.20	0.166	22.18	0.165	22.23	0.167
3	QPSK	15	0	22.51	0.178	22.42	0.175	22.36	0.172
3	16QAM	1	0	23.10	0.204	23.11	0.205	22.90	0.195
3	16QAM	1	8	22.90	0.195	22.93	0.196	22.79	0.190
3	16QAM	1	14	22.69	0.186	22.71	0.187	22.62	0.183
3	16QAM	8	0	21.76	0.150	21.61	0.145	21.56	0.143
3	16QAM	8	4	21.60	0.145	21.47	0.140	21.41	0.138
3	16QAM	8	7	21.43	0.139	21.31	0.135	21.27	0.134
3	16QAM	15	0	21.76	0.150	21.58	0.144	21.38	0.137
3	64QAM	1	0	21.75	0.150	21.69	0.148	21.47	0.140
3	64QAM	1	8	21.58	0.144	21.54	0.143	21.39	0.138
3	64QAM	1	14	21.44	0.139	21.35	0.136	21.31	0.135
3	64QAM	8	0	20.80	0.120	20.92	0.124	20.67	0.117
3	64QAM	8	4	20.59	0.115	20.81	0.121	20.63	0.116
3	64QAM	8	7	20.97	0.125	21.08	0.128	20.89	0.123
3	64QAM	15	0	20.85	0.122	20.89	0.123	20.72	0.118



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18607		18900		19193	
Frequency (MHz)				1850.7		1880		1909.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	23.52	0.225	23.63	0.231	23.46	0.222
1.4	QPSK	1	3	23.35	0.216	23.50	0.224	23.27	0.212
1.4	QPSK	1	5	23.20	0.209	23.26	0.212	23.19	0.208
1.4	QPSK	3	0	22.50	0.178	22.37	0.173	22.30	0.170
1.4	QPSK	3	1	22.27	0.169	22.24	0.167	22.22	0.167
1.4	QPSK	3	3	22.17	0.165	22.15	0.164	22.20	0.166
1.4	QPSK	6	0	22.48	0.177	22.39	0.173	22.33	0.171
1.4	16QAM	1	0	23.07	0.203	23.08	0.203	22.87	0.194
1.4	16QAM	1	3	22.87	0.194	22.90	0.195	22.76	0.189
1.4	16QAM	1	5	22.66	0.185	22.68	0.185	22.59	0.182
1.4	16QAM	3	0	21.73	0.149	21.58	0.144	21.53	0.142
1.4	16QAM	3	1	21.57	0.144	21.44	0.139	21.38	0.137
1.4	16QAM	3	3	21.40	0.138	21.28	0.134	21.24	0.133
1.4	16QAM	6	0	21.73	0.149	21.55	0.143	21.35	0.136
1.4	64QAM	1	0	21.72	0.149	21.66	0.147	21.44	0.139
1.4	64QAM	1	3	21.55	0.143	21.51	0.142	21.36	0.137
1.4	64QAM	1	5	21.41	0.138	21.32	0.136	21.28	0.134
1.4	64QAM	3	0	20.77	0.119	20.89	0.123	20.64	0.116
1.4	64QAM	3	1	20.56	0.114	20.78	0.120	20.60	0.115
1.4	64QAM	3	3	20.94	0.124	21.05	0.127	20.86	0.122
1.4	64QAM	6	0	20.82	0.121	20.86	0.122	20.69	0.117



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20050		20175		20300	
Frequency (MHz)				1720		1732.5		1745	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	23.36	0.217	23.42	0.220	23.40	0.219
20	QPSK	1	49	23.21	0.209	23.23	0.210	23.25	0.211
20	QPSK	1	99	22.93	0.196	23.02	0.200	22.97	0.198
20	QPSK	50	0	22.26	0.168	22.34	0.171	22.31	0.170
20	QPSK	50	24	22.17	0.165	22.25	0.168	22.22	0.167
20	QPSK	50	50	22.08	0.161	22.18	0.165	22.17	0.165
20	QPSK	100	0	22.32	0.171	22.33	0.171	22.42	0.175
20	16QAM	1	0	22.61	0.182	22.67	0.185	22.60	0.182
20	16QAM	1	49	22.33	0.171	22.38	0.173	22.45	0.176
20	16QAM	1	99	22.21	0.166	22.24	0.167	22.32	0.171
20	16QAM	50	0	21.38	0.137	21.39	0.138	21.35	0.136
20	16QAM	50	24	21.23	0.133	21.26	0.134	21.27	0.134
20	16QAM	50	50	21.13	0.130	21.17	0.131	21.14	0.130
20	16QAM	100	0	21.41	0.138	21.38	0.137	21.39	0.138
20	64QAM	1	0	21.53	0.142	21.65	0.146	21.44	0.139
20	64QAM	1	49	21.37	0.137	21.51	0.142	21.28	0.134
20	64QAM	1	99	21.23	0.133	21.32	0.136	21.21	0.132
20	64QAM	50	0	21.41	0.138	21.54	0.143	21.33	0.136
20	64QAM	50	24	21.32	0.136	21.45	0.140	21.24	0.133
20	64QAM	50	50	21.22	0.132	21.37	0.137	21.14	0.130
20	64QAM	100	0	21.43	0.139	21.52	0.142	21.28	0.134



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20025		20175		20325	
Frequency (MHz)				1717.5		1732.5		1747.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	23.30	0.214	23.36	0.217	23.34	0.216
15	QPSK	1	37	23.15	0.207	23.17	0.207	23.19	0.208
15	QPSK	1	74	22.87	0.194	22.96	0.198	22.91	0.195
15	QPSK	36	0	22.20	0.166	22.28	0.169	22.25	0.168
15	QPSK	36	20	22.11	0.163	22.19	0.166	22.16	0.164
15	QPSK	36	39	22.02	0.159	22.12	0.163	22.11	0.163
15	QPSK	75	0	22.26	0.168	22.27	0.169	22.36	0.172
15	16QAM	1	0	22.55	0.180	22.61	0.182	22.54	0.179
15	16QAM	1	37	22.27	0.169	22.32	0.171	22.39	0.173
15	16QAM	1	74	22.15	0.164	22.18	0.165	22.26	0.168
15	16QAM	36	0	21.32	0.136	21.33	0.136	21.29	0.135
15	16QAM	36	20	21.17	0.131	21.20	0.132	21.21	0.132
15	16QAM	36	39	21.07	0.128	21.11	0.129	21.08	0.128
15	16QAM	75	0	21.35	0.136	21.32	0.136	21.33	0.136
15	64QAM	1	0	21.47	0.140	21.59	0.144	21.38	0.137
15	64QAM	1	37	21.31	0.135	21.45	0.140	21.22	0.132
15	64QAM	1	74	21.17	0.131	21.26	0.134	21.15	0.130
15	64QAM	36	0	21.35	0.136	21.48	0.141	21.27	0.134
15	64QAM	36	20	21.26	0.134	21.39	0.138	21.18	0.131
15	64QAM	36	39	21.16	0.131	21.31	0.135	21.08	0.128
15	64QAM	75	0	21.37	0.137	21.46	0.140	21.22	0.132



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	23.25	0.211	23.31	0.214	23.29	0.213
10	QPSK	1	25	23.10	0.204	23.12	0.205	23.14	0.206
10	QPSK	1	49	22.82	0.191	22.91	0.195	22.86	0.193
10	QPSK	25	0	22.15	0.164	22.23	0.167	22.20	0.166
10	QPSK	25	12	22.06	0.161	22.14	0.164	22.11	0.163
10	QPSK	25	25	21.97	0.157	22.07	0.161	22.06	0.161
10	QPSK	50	0	22.21	0.166	22.22	0.167	22.31	0.170
10	16QAM	1	0	22.50	0.178	22.56	0.180	22.49	0.177
10	16QAM	1	25	22.22	0.167	22.27	0.169	22.34	0.171
10	16QAM	1	49	22.10	0.162	22.13	0.163	22.21	0.166
10	16QAM	25	0	21.27	0.134	21.28	0.134	21.24	0.133
10	16QAM	25	12	21.12	0.129	21.15	0.130	21.16	0.131
10	16QAM	25	25	21.02	0.126	21.06	0.128	21.03	0.127
10	16QAM	50	0	21.30	0.135	21.27	0.134	21.28	0.134
10	64QAM	1	0	21.42	0.139	21.54	0.143	21.33	0.136
10	64QAM	1	25	21.26	0.134	21.40	0.138	21.17	0.131
10	64QAM	1	49	21.12	0.129	21.21	0.132	21.10	0.129
10	64QAM	25	0	21.30	0.135	21.43	0.139	21.22	0.132
10	64QAM	25	12	21.21	0.132	21.34	0.136	21.13	0.130
10	64QAM	25	25	21.11	0.129	21.26	0.134	21.03	0.127
10	64QAM	50	0	21.32	0.136	21.41	0.138	21.17	0.131



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	23.21	0.209	23.26	0.212	23.24	0.211
5	QPSK	1	12	23.05	0.202	23.07	0.203	23.09	0.204
5	QPSK	1	24	22.77	0.189	22.86	0.193	22.81	0.191
5	QPSK	12	0	22.10	0.162	22.18	0.165	22.15	0.164
5	QPSK	12	7	22.01	0.159	22.09	0.162	22.06	0.161
5	QPSK	12	13	21.92	0.156	22.02	0.159	22.01	0.159
5	QPSK	25	0	22.16	0.164	22.17	0.165	22.26	0.168
5	16QAM	1	0	22.45	0.176	22.51	0.178	22.44	0.175
5	16QAM	1	12	22.17	0.165	22.22	0.167	22.29	0.169
5	16QAM	1	24	22.05	0.160	22.08	0.161	22.16	0.164
5	16QAM	12	0	21.22	0.132	21.23	0.133	21.19	0.132
5	16QAM	12	7	21.07	0.128	21.10	0.129	21.11	0.129
5	16QAM	12	13	20.97	0.125	21.01	0.126	20.98	0.125
5	16QAM	25	0	21.25	0.133	21.22	0.132	21.23	0.133
5	64QAM	1	0	21.37	0.137	21.49	0.141	21.28	0.134
5	64QAM	1	12	21.21	0.132	21.35	0.136	21.12	0.129
5	64QAM	1	24	21.07	0.128	21.16	0.131	21.05	0.127
5	64QAM	12	0	21.25	0.133	21.38	0.137	21.17	0.131
5	64QAM	12	7	21.16	0.131	21.29	0.135	21.08	0.128
5	64QAM	12	13	21.06	0.128	21.21	0.132	20.98	0.125
5	64QAM	25	0	21.27	0.134	21.36	0.137	21.12	0.129



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	23.17	0.207	23.21	0.209	23.19	0.208
3	QPSK	1	8	23.00	0.200	23.02	0.200	23.04	0.201
3	QPSK	1	14	22.72	0.187	22.81	0.191	22.76	0.189
3	QPSK	8	0	22.05	0.160	22.13	0.163	22.10	0.162
3	QPSK	8	4	21.96	0.157	22.04	0.160	22.01	0.159
3	QPSK	8	7	21.87	0.154	21.97	0.157	21.96	0.157
3	QPSK	15	0	22.11	0.163	22.12	0.163	22.21	0.166
3	16QAM	1	0	22.40	0.174	22.46	0.176	22.39	0.173
3	16QAM	1	8	22.12	0.163	22.17	0.165	22.24	0.167
3	16QAM	1	14	22.00	0.158	22.03	0.160	22.11	0.163
3	16QAM	8	0	21.17	0.131	21.18	0.131	21.14	0.130
3	16QAM	8	4	21.02	0.126	21.05	0.127	21.06	0.128
3	16QAM	8	7	20.92	0.124	20.96	0.125	20.93	0.124
3	16QAM	15	0	21.20	0.132	21.17	0.131	21.18	0.131
3	64QAM	1	0	21.32	0.136	21.44	0.139	21.23	0.133
3	64QAM	1	8	21.16	0.131	21.30	0.135	21.19	0.132
3	64QAM	1	14	21.12	0.129	21.11	0.129	21.15	0.130
3	64QAM	8	0	21.20	0.132	21.33	0.136	21.12	0.129
3	64QAM	8	4	21.11	0.129	21.24	0.133	21.03	0.127
3	64QAM	8	7	21.01	0.126	21.16	0.131	20.93	0.124
3	64QAM	15	0	21.22	0.132	21.31	0.135	21.07	0.128



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	21.06	0.128	21.11	0.129	21.09	0.129
1.4	QPSK	1	3	20.90	0.123	20.92	0.124	20.94	0.124
1.4	QPSK	1	5	20.62	0.115	20.71	0.118	20.66	0.116
1.4	QPSK	3	0	19.95	0.099	20.03	0.101	20.00	0.100
1.4	QPSK	3	1	19.86	0.097	19.94	0.099	19.91	0.098
1.4	QPSK	3	3	19.77	0.095	19.87	0.097	19.86	0.097
1.4	QPSK	6	0	20.01	0.100	20.02	0.100	20.11	0.103
1.4	16QAM	1	0	20.30	0.107	20.36	0.109	20.29	0.107
1.4	16QAM	1	3	20.02	0.100	20.07	0.102	20.14	0.103
1.4	16QAM	1	5	19.90	0.098	19.93	0.098	20.01	0.100
1.4	16QAM	3	0	19.07	0.081	19.08	0.081	19.04	0.080
1.4	16QAM	3	1	18.92	0.078	18.95	0.079	18.96	0.079
1.4	16QAM	3	3	18.82	0.076	18.86	0.077	18.83	0.076
1.4	16QAM	6	0	19.10	0.081	19.07	0.081	19.08	0.081
1.4	64QAM	1	0	19.22	0.084	19.34	0.086	19.13	0.082
1.4	64QAM	1	3	19.06	0.081	19.20	0.083	18.97	0.079
1.4	64QAM	1	5	18.92	0.078	19.01	0.080	18.90	0.078
1.4	64QAM	3	0	19.10	0.081	19.23	0.084	19.02	0.080
1.4	64QAM	3	1	19.01	0.080	19.14	0.082	18.93	0.078
1.4	64QAM	3	3	18.91	0.078	19.06	0.081	18.83	0.076
1.4	64QAM	6	0	19.12	0.082	19.21	0.083	18.97	0.079



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	20.05	0.101	20.15	0.104	20.12	0.103
10	QPSK	1	25	19.86	0.097	20.02	0.100	19.90	0.098
10	QPSK	1	49	19.82	0.096	19.86	0.097	19.81	0.096
10	QPSK	25	0	18.94	0.078	18.95	0.079	18.87	0.077
10	QPSK	25	12	18.78	0.076	18.83	0.076	18.70	0.074
10	QPSK	25	25	18.66	0.073	18.69	0.074	18.62	0.073
10	QPSK	50	0	18.92	0.078	18.91	0.078	18.90	0.078
10	16QAM	1	0	19.37	0.086	19.40	0.087	19.23	0.084
10	16QAM	1	25	19.22	0.084	19.32	0.086	19.08	0.081
10	16QAM	1	49	19.01	0.080	19.07	0.081	18.96	0.079
10	16QAM	25	0	17.89	0.062	17.99	0.063	17.92	0.062
10	16QAM	25	12	17.80	0.060	17.86	0.061	17.76	0.060
10	16QAM	25	25	17.72	0.059	17.78	0.060	17.71	0.059
10	16QAM	50	0	17.96	0.063	17.98	0.063	17.94	0.062
10	64QAM	1	0	18.34	0.068	18.43	0.070	18.38	0.069
10	64QAM	1	25	18.16	0.065	18.30	0.068	18.27	0.067
10	64QAM	1	49	18.11	0.065	18.14	0.065	18.08	0.064
10	64QAM	25	0	17.39	0.055	17.48	0.056	17.30	0.054
10	64QAM	25	12	17.28	0.053	17.43	0.055	17.20	0.052
10	64QAM	25	25	17.10	0.051	17.21	0.053	17.08	0.051
10	64QAM	50	0	17.44	0.055	17.49	0.056	17.32	0.054



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20425		20525		20625	
Frequency (MHz)				826.5		836.5		846.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	19.99	0.100	20.12	0.103	20.06	0.101
5	QPSK	1	12	19.80	0.095	19.96	0.099	19.84	0.096
5	QPSK	1	24	19.76	0.095	19.80	0.095	19.75	0.094
5	QPSK	12	0	18.88	0.077	18.89	0.077	18.81	0.076
5	QPSK	12	7	18.72	0.074	18.77	0.075	18.64	0.073
5	QPSK	12	13	18.60	0.072	18.63	0.073	18.56	0.072
5	QPSK	25	0	18.86	0.077	18.85	0.077	18.84	0.077
5	16QAM	1	0	19.31	0.085	19.34	0.086	19.17	0.083
5	16QAM	1	12	19.16	0.082	19.26	0.084	19.02	0.080
5	16QAM	1	24	18.95	0.079	19.01	0.080	18.90	0.078
5	16QAM	12	0	17.83	0.061	17.93	0.062	17.86	0.061
5	16QAM	12	7	17.74	0.059	17.80	0.060	17.70	0.059
5	16QAM	12	13	17.66	0.058	17.72	0.059	17.65	0.058
5	16QAM	25	0	17.90	0.062	17.92	0.062	17.88	0.061
5	64QAM	1	0	18.28	0.067	18.37	0.069	18.32	0.068
5	64QAM	1	12	18.10	0.065	18.24	0.067	18.21	0.066
5	64QAM	1	24	18.05	0.064	18.08	0.064	18.02	0.063
5	64QAM	12	0	17.33	0.054	17.42	0.055	17.24	0.053
5	64QAM	12	7	17.22	0.053	17.37	0.055	17.14	0.052
5	64QAM	12	13	17.04	0.051	17.15	0.052	17.02	0.050
5	64QAM	25	0	17.38	0.055	17.43	0.055	17.26	0.053



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	20.00	0.100	20.11	0.103	20.07	0.102
3	QPSK	1	8	19.81	0.096	19.97	0.099	19.85	0.097
3	QPSK	1	14	19.77	0.095	19.81	0.096	19.76	0.095
3	QPSK	8	0	18.89	0.077	18.90	0.078	18.82	0.076
3	QPSK	8	4	18.73	0.075	18.78	0.076	18.65	0.073
3	QPSK	8	7	18.61	0.073	18.64	0.073	18.57	0.072
3	QPSK	15	0	18.87	0.077	18.86	0.077	18.85	0.077
3	16QAM	1	0	19.32	0.086	19.35	0.086	19.18	0.083
3	16QAM	1	8	19.17	0.083	19.27	0.085	19.03	0.080
3	16QAM	1	14	18.96	0.079	19.02	0.080	18.91	0.078
3	16QAM	8	0	17.84	0.061	17.94	0.062	17.87	0.061
3	16QAM	8	4	17.75	0.060	17.81	0.060	17.71	0.059
3	16QAM	8	7	17.67	0.058	17.73	0.059	17.66	0.058
3	16QAM	15	0	17.91	0.062	17.93	0.062	17.89	0.062
3	64QAM	1	0	18.29	0.067	18.38	0.069	18.33	0.068
3	64QAM	1	8	18.11	0.065	18.25	0.067	18.22	0.066
3	64QAM	1	14	18.06	0.064	18.09	0.064	18.03	0.064
3	64QAM	8	0	17.34	0.054	17.43	0.055	17.25	0.053
3	64QAM	8	4	17.23	0.053	17.38	0.055	17.15	0.052
3	64QAM	8	7	17.05	0.051	17.16	0.052	17.03	0.050
3	64QAM	15	0	17.39	0.055	17.44	0.055	17.27	0.053



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	20.01	0.100	20.10	0.102	20.08	0.102
1.4	QPSK	1	3	19.82	0.096	19.98	0.100	19.86	0.097
1.4	QPSK	1	5	19.78	0.095	19.82	0.096	19.77	0.095
1.4	QPSK	3	0	18.90	0.078	18.91	0.078	18.83	0.076
1.4	QPSK	3	1	18.74	0.075	18.79	0.076	18.66	0.073
1.4	QPSK	3	3	18.62	0.073	18.65	0.073	18.58	0.072
1.4	QPSK	6	0	18.88	0.077	18.87	0.077	18.86	0.077
1.4	16QAM	1	0	19.33	0.086	19.36	0.086	19.19	0.083
1.4	16QAM	1	3	19.18	0.083	19.28	0.085	19.04	0.080
1.4	16QAM	1	5	18.97	0.079	19.03	0.080	18.92	0.078
1.4	16QAM	3	0	17.85	0.061	17.95	0.062	17.88	0.061
1.4	16QAM	3	1	17.76	0.060	17.82	0.061	17.72	0.059
1.4	16QAM	3	3	17.68	0.059	17.74	0.059	17.67	0.058
1.4	16QAM	6	0	17.92	0.062	17.94	0.062	17.90	0.062
1.4	64QAM	1	0	18.30	0.068	18.39	0.069	18.34	0.068
1.4	64QAM	1	3	18.12	0.065	18.26	0.067	18.23	0.067
1.4	64QAM	1	5	18.07	0.064	18.10	0.065	18.04	0.064
1.4	64QAM	3	0	17.35	0.054	17.44	0.055	17.26	0.053
1.4	64QAM	3	1	17.24	0.053	17.39	0.055	17.16	0.052
1.4	64QAM	3	3	17.06	0.051	17.17	0.052	17.04	0.051
1.4	64QAM	6	0	17.40	0.055	17.45	0.056	17.28	0.053



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20850		21100		21350	
Frequency (MHz)				2510		2535		2560	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	24.54	0.284	24.65	0.292	24.46	0.279
20	QPSK	1	49	24.37	0.274	24.43	0.277	24.24	0.265
20	QPSK	1	99	24.20	0.263	24.22	0.264	24.15	0.260
20	QPSK	50	0	23.66	0.232	23.63	0.231	23.52	0.225
20	QPSK	50	24	23.43	0.220	23.51	0.224	23.30	0.214
20	QPSK	50	50	23.30	0.214	23.45	0.221	23.23	0.210
20	QPSK	100	0	23.65	0.232	23.77	0.238	23.57	0.228
20	16QAM	1	0	23.63	0.231	23.87	0.244	23.77	0.238
20	16QAM	1	49	23.56	0.227	23.64	0.231	23.52	0.225
20	16QAM	1	99	23.38	0.218	23.48	0.223	23.37	0.217
20	16QAM	50	0	22.57	0.181	22.55	0.180	22.53	0.179
20	16QAM	50	24	22.30	0.170	22.42	0.175	22.26	0.168
20	16QAM	50	50	22.26	0.168	22.37	0.173	22.12	0.163
20	16QAM	100	0	22.46	0.176	22.65	0.184	22.38	0.173
20	64QAM	1	0	22.43	0.175	22.59	0.182	22.47	0.177
20	64QAM	1	49	22.35	0.172	22.41	0.174	22.24	0.167
20	64QAM	1	99	22.11	0.163	22.25	0.168	22.13	0.163
20	64QAM	50	0	21.34	0.136	21.61	0.145	21.55	0.143
20	64QAM	50	24	21.21	0.132	21.54	0.143	21.43	0.139
20	64QAM	50	50	21.13	0.130	21.39	0.138	21.37	0.137
20	64QAM	100	0	21.27	0.134	21.53	0.142	21.49	0.141



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20825		21100		21375	
Frequency (MHz)				2507.5		2535		2562.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	24.51	0.282	24.62	0.290	24.43	0.277
15	QPSK	1	37	24.34	0.272	24.40	0.275	24.21	0.264
15	QPSK	1	74	24.17	0.261	24.19	0.262	24.12	0.258
15	QPSK	36	0	23.63	0.231	23.60	0.229	23.49	0.223
15	QPSK	36	20	23.40	0.219	23.48	0.223	23.27	0.212
15	QPSK	36	39	23.27	0.212	23.42	0.220	23.20	0.209
15	QPSK	75	0	23.62	0.230	23.74	0.237	23.54	0.226
15	16QAM	1	0	23.60	0.229	23.84	0.242	23.74	0.237
15	16QAM	1	37	23.53	0.225	23.61	0.230	23.49	0.223
15	16QAM	1	74	23.35	0.216	23.45	0.221	23.34	0.216
15	16QAM	36	0	22.54	0.179	22.52	0.179	22.50	0.178
15	16QAM	36	20	22.27	0.169	22.39	0.173	22.23	0.167
15	16QAM	36	39	22.23	0.167	22.34	0.171	22.09	0.162
15	16QAM	75	0	22.43	0.175	22.62	0.183	22.35	0.172
15	64QAM	1	0	22.40	0.174	22.56	0.180	22.44	0.175
15	64QAM	1	37	22.32	0.171	22.38	0.173	22.21	0.166
15	64QAM	1	74	22.08	0.161	22.22	0.167	22.10	0.162
15	64QAM	36	0	21.31	0.135	21.58	0.144	21.52	0.142
15	64QAM	36	20	21.18	0.131	21.51	0.142	21.40	0.138
15	64QAM	36	39	21.10	0.129	21.36	0.137	21.34	0.136
15	64QAM	75	0	21.24	0.133	21.50	0.141	21.46	0.140



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20800		21100		21400	
Frequency (MHz)				2505		2535		2565	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	24.46	0.279	24.57	0.286	24.38	0.274
10	QPSK	1	25	24.29	0.269	24.35	0.272	24.16	0.261
10	QPSK	1	49	24.12	0.258	24.14	0.259	24.07	0.255
10	QPSK	25	0	23.58	0.228	23.55	0.226	23.44	0.221
10	QPSK	25	12	23.35	0.216	23.43	0.220	23.22	0.210
10	QPSK	25	25	23.22	0.210	23.37	0.217	23.15	0.207
10	QPSK	50	0	23.57	0.228	23.69	0.234	23.49	0.223
10	16QAM	1	0	23.55	0.226	23.79	0.239	23.69	0.234
10	16QAM	1	25	23.48	0.223	23.56	0.227	23.44	0.221
10	16QAM	1	49	23.30	0.214	23.40	0.219	23.29	0.213
10	16QAM	25	0	22.49	0.177	22.47	0.177	22.45	0.176
10	16QAM	25	12	22.22	0.167	22.34	0.171	22.18	0.165
10	16QAM	25	25	22.18	0.165	22.29	0.169	22.04	0.160
10	16QAM	50	0	22.38	0.173	22.57	0.181	22.30	0.170
10	64QAM	1	0	22.35	0.172	22.51	0.178	22.39	0.173
10	64QAM	1	25	22.27	0.169	22.33	0.171	22.16	0.164
10	64QAM	1	49	22.03	0.160	22.17	0.165	22.05	0.160
10	64QAM	25	0	21.26	0.134	21.53	0.142	21.47	0.140
10	64QAM	25	12	21.13	0.130	21.46	0.140	21.35	0.136
10	64QAM	25	25	21.05	0.127	21.31	0.135	21.29	0.135
10	64QAM	50	0	21.19	0.132	21.45	0.140	21.41	0.138



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20775		21100		21425	
Frequency (MHz)				2502.5		2535		2567.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	24.41	0.276	24.52	0.283	24.33	0.271
5	QPSK	1	12	24.24	0.265	24.30	0.269	24.11	0.258
5	QPSK	1	24	24.07	0.255	24.09	0.256	24.02	0.252
5	QPSK	12	0	23.53	0.225	23.50	0.224	23.39	0.218
5	QPSK	12	7	23.30	0.214	23.38	0.218	23.17	0.207
5	QPSK	12	13	23.17	0.207	23.32	0.215	23.10	0.204
5	QPSK	25	0	23.52	0.225	23.64	0.231	23.44	0.221
5	16QAM	1	0	23.50	0.224	23.74	0.237	23.64	0.231
5	16QAM	1	12	23.43	0.220	23.51	0.224	23.39	0.218
5	16QAM	1	24	23.25	0.211	23.35	0.216	23.24	0.211
5	16QAM	12	0	22.44	0.175	22.42	0.175	22.40	0.174
5	16QAM	12	7	22.17	0.165	22.29	0.169	22.13	0.163
5	16QAM	12	13	22.13	0.163	22.24	0.167	21.99	0.158
5	16QAM	25	0	22.33	0.171	22.52	0.179	22.25	0.168
5	64QAM	1	0	22.30	0.170	22.46	0.176	22.34	0.171
5	64QAM	1	12	22.22	0.167	22.28	0.169	22.11	0.163
5	64QAM	1	24	21.98	0.158	22.12	0.163	22.00	0.158
5	64QAM	12	0	21.21	0.132	21.48	0.141	21.42	0.139
5	64QAM	12	7	21.08	0.128	21.41	0.138	21.30	0.135
5	64QAM	12	13	21.00	0.126	21.26	0.134	21.24	0.133
5	64QAM	25	0	21.14	0.130	21.40	0.138	21.36	0.137



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	17.63	0.058	17.70	0.059	17.59	0.057
10	QPSK	1	25	17.40	0.055	17.48	0.056	17.42	0.055
10	QPSK	1	49	17.28	0.053	17.32	0.054	17.26	0.053
10	QPSK	25	0	16.64	0.046	16.69	0.047	16.65	0.046
10	QPSK	25	12	16.48	0.044	16.64	0.046	16.58	0.045
10	QPSK	25	25	16.42	0.044	16.49	0.045	16.46	0.044
10	QPSK	50	0	16.66	0.046	16.55	0.045	16.57	0.045
10	16QAM	1	0	16.94	0.049	16.90	0.049	16.95	0.050
10	16QAM	1	25	16.81	0.048	16.78	0.048	16.87	0.049
10	16QAM	1	49	16.71	0.047	16.68	0.047	16.80	0.048
10	16QAM	25	0	15.66	0.037	15.67	0.037	15.61	0.036
10	16QAM	25	12	15.48	0.035	15.57	0.036	15.46	0.035
10	16QAM	25	25	15.31	0.034	15.37	0.034	15.29	0.034
10	16QAM	50	0	15.62	0.036	15.56	0.036	15.59	0.036
10	64QAM	1	0	15.76	0.038	15.84	0.038	15.68	0.037
10	64QAM	1	25	15.58	0.036	15.70	0.037	15.54	0.036
10	64QAM	1	49	15.46	0.035	15.58	0.036	15.42	0.035
10	64QAM	25	0	14.81	0.030	14.90	0.031	14.79	0.030
10	64QAM	25	12	14.69	0.029	14.78	0.030	14.66	0.029
10	64QAM	25	25	14.46	0.028	14.57	0.029	14.48	0.028
10	64QAM	50	0	14.92	0.031	14.98	0.031	14.83	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	17.64	0.058	17.53	0.057
5	QPSK	1	12	17.34	0.054	17.42	0.055	17.36	0.054
5	QPSK	1	24	17.22	0.053	17.26	0.053	17.20	0.052
5	QPSK	12	0	16.58	0.045	16.63	0.046	16.59	0.046
5	QPSK	12	7	16.42	0.044	16.58	0.045	16.52	0.045
5	QPSK	12	13	16.36	0.043	16.43	0.044	16.40	0.044
5	QPSK	25	0	16.60	0.046	16.49	0.045	16.51	0.045
5	16QAM	1	0	16.88	0.049	16.84	0.048	16.89	0.049
5	16QAM	1	12	16.75	0.047	16.72	0.047	16.81	0.048
5	16QAM	1	24	16.65	0.046	16.62	0.046	16.74	0.047
5	16QAM	12	0	15.60	0.036	15.61	0.036	15.55	0.036
5	16QAM	12	7	15.42	0.035	15.51	0.036	15.40	0.035
5	16QAM	12	13	15.25	0.033	15.31	0.034	15.23	0.033
5	16QAM	25	0	15.56	0.036	15.50	0.035	15.53	0.036
5	64QAM	1	0	15.70	0.037	15.78	0.038	15.62	0.036
5	64QAM	1	12	15.52	0.036	15.64	0.037	15.48	0.035
5	64QAM	1	24	15.40	0.035	15.52	0.036	15.36	0.034
5	64QAM	12	0	14.75	0.030	14.84	0.030	14.73	0.030
5	64QAM	12	7	14.63	0.029	14.72	0.030	14.60	0.029
5	64QAM	12	13	14.40	0.028	14.51	0.028	14.42	0.028
5	64QAM	25	0	14.86	0.031	14.92	0.031	14.77	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	17.60	0.058	17.67	0.058	17.56	0.057
3	QPSK	1	8	17.37	0.055	17.45	0.056	17.39	0.055
3	QPSK	1	14	17.25	0.053	17.29	0.054	17.23	0.053
3	QPSK	8	0	16.61	0.046	16.66	0.046	16.62	0.046
3	QPSK	8	4	16.45	0.044	16.61	0.046	16.55	0.045
3	QPSK	8	7	16.39	0.044	16.46	0.044	16.43	0.044
3	QPSK	15	0	16.63	0.046	16.52	0.045	16.54	0.045
3	16QAM	1	0	16.91	0.049	16.87	0.049	16.92	0.049
3	16QAM	1	8	16.78	0.048	16.75	0.047	16.84	0.048
3	16QAM	1	14	16.68	0.047	16.65	0.046	16.77	0.048
3	16QAM	8	0	15.63	0.037	15.64	0.037	15.58	0.036
3	16QAM	8	4	15.45	0.035	15.54	0.036	15.43	0.035
3	16QAM	8	7	15.28	0.034	15.34	0.034	15.26	0.034
3	16QAM	15	0	15.59	0.036	15.53	0.036	15.56	0.036
3	64QAM	1	0	15.73	0.037	15.81	0.038	15.65	0.037
3	64QAM	1	8	15.55	0.036	15.67	0.037	15.51	0.036
3	64QAM	1	14	15.43	0.035	15.55	0.036	15.39	0.035
3	64QAM	8	0	14.78	0.030	14.87	0.031	14.76	0.030
3	64QAM	8	4	14.66	0.029	14.75	0.030	14.63	0.029
3	64QAM	8	7	14.43	0.028	14.54	0.028	14.45	0.028
3	64QAM	15	0	14.89	0.031	14.95	0.031	14.80	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	17.53	0.057	17.60	0.058	17.49	0.056
1.4	QPSK	1	3	17.30	0.054	17.38	0.055	17.32	0.054
1.4	QPSK	1	5	17.18	0.052	17.22	0.053	17.16	0.052
1.4	QPSK	3	0	16.54	0.045	16.59	0.046	16.55	0.045
1.4	QPSK	3	1	16.38	0.043	16.54	0.045	16.48	0.044
1.4	QPSK	3	3	16.32	0.043	16.39	0.044	16.36	0.043
1.4	QPSK	6	0	16.56	0.045	16.45	0.044	16.47	0.044
1.4	16QAM	1	0	16.84	0.048	16.80	0.048	16.85	0.048
1.4	16QAM	1	3	16.71	0.047	16.68	0.047	16.77	0.048
1.4	16QAM	1	5	16.61	0.046	16.58	0.045	16.70	0.047
1.4	16QAM	3	0	15.56	0.036	15.57	0.036	15.51	0.036
1.4	16QAM	3	1	15.38	0.035	15.47	0.035	15.36	0.034
1.4	16QAM	3	3	15.21	0.033	15.27	0.034	15.19	0.033
1.4	16QAM	6	0	15.52	0.036	15.46	0.035	15.49	0.035
1.4	64QAM	1	0	15.66	0.037	15.74	0.037	15.58	0.036
1.4	64QAM	1	3	15.48	0.035	15.60	0.036	15.44	0.035
1.4	64QAM	1	5	15.36	0.034	15.48	0.035	15.32	0.034
1.4	64QAM	3	0	14.71	0.030	14.80	0.030	14.69	0.029
1.4	64QAM	3	1	14.59	0.029	14.68	0.029	14.56	0.029
1.4	64QAM	3	3	14.36	0.027	14.47	0.028	14.38	0.027
1.4	64QAM	6	0	14.82	0.030	14.88	0.031	14.73	0.030



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	/	/	19.80	0.095	/	/
10	QPSK	1	25	/	/	19.49	0.089	/	/
10	QPSK	1	49	/	/	19.31	0.085	/	/
10	QPSK	25	0	/	/	18.75	0.075	/	/
10	QPSK	25	12	/	/	18.71	0.074	/	/
10	QPSK	25	25	/	/	18.58	0.072	/	/
10	QPSK	50	0	/	/	18.72	0.074	/	/
10	16QAM	1	0	/	/	18.62	0.073	/	/
10	16QAM	1	25	/	/	18.38	0.069	/	/
10	16QAM	1	49	/	/	18.13	0.065	/	/
10	16QAM	25	0	/	/	17.33	0.054	/	/
10	16QAM	25	12	/	/	17.28	0.053	/	/
10	16QAM	25	25	/	/	17.22	0.053	/	/
10	16QAM	50	0	/	/	17.24	0.053	/	/
10	64QAM	1	0	/	/	17.08	0.051	/	/
10	64QAM	1	25	/	/	17.02	0.050	/	/
10	64QAM	1	49	/	/	16.79	0.048	/	/
10	64QAM	25	0	/	/	15.70	0.037	/	/
10	64QAM	25	12	/	/	15.58	0.036	/	/
10	64QAM	25	25	/	/	15.52	0.036	/	/
10	64QAM	50	0	/	/	15.60	0.036	/	/



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	19.78	0.095	19.40	0.087	19.44	0.088
5	QPSK	1	12	19.60	0.091	19.39	0.087	19.38	0.087
5	QPSK	1	24	19.43	0.088	19.36	0.086	19.33	0.086
5	QPSK	12	0	18.49	0.071	18.70	0.074	18.31	0.068
5	QPSK	12	7	18.46	0.070	18.58	0.072	18.30	0.068
5	QPSK	12	13	18.44	0.070	18.36	0.069	18.29	0.067
5	QPSK	25	0	18.31	0.068	18.30	0.068	18.38	0.069
5	16QAM	1	0	18.70	0.074	18.54	0.071	18.51	0.071
5	16QAM	1	12	18.53	0.071	18.50	0.071	18.43	0.070
5	16QAM	1	24	18.49	0.071	18.43	0.070	18.34	0.068
5	16QAM	12	0	17.34	0.054	17.24	0.053	17.38	0.055
5	16QAM	12	7	17.30	0.054	17.13	0.052	17.34	0.054
5	16QAM	12	13	17.23	0.053	16.94	0.049	17.23	0.053
5	16QAM	25	0	17.36	0.054	17.28	0.053	17.40	0.055
5	64QAM	1	0	17.38	0.055	17.27	0.053	17.34	0.054
5	64QAM	1	12	17.36	0.054	17.24	0.053	17.30	0.054
5	64QAM	1	24	17.33	0.054	17.20	0.052	17.32	0.054
5	64QAM	12	0	17.12	0.052	17.13	0.052	17.04	0.051
5	64QAM	12	7	17.04	0.051	16.91	0.049	16.87	0.049
5	64QAM	12	13	16.80	0.048	16.84	0.048	16.67	0.046
5	64QAM	25	0	16.71	0.047	16.68	0.047	16.61	0.046



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	17.79	0.060	17.83	0.061	17.65	0.058
10	QPSK	1	25	17.61	0.058	17.67	0.058	17.46	0.056
10	QPSK	1	49	17.42	0.055	17.51	0.056	17.40	0.055
10	QPSK	25	0	16.58	0.045	16.52	0.045	16.57	0.045
10	QPSK	25	12	16.29	0.043	16.40	0.044	16.27	0.042
10	QPSK	25	25	16.23	0.042	16.29	0.043	16.13	0.041
10	QPSK	50	0	16.57	0.045	16.58	0.045	16.56	0.045
10	16QAM	1	0	16.90	0.049	16.96	0.050	16.94	0.049
10	16QAM	1	25	16.74	0.047	16.80	0.048	16.73	0.047
10	16QAM	1	49	16.51	0.045	16.68	0.047	16.60	0.046
10	16QAM	25	0	15.61	0.036	15.66	0.037	15.60	0.036
10	16QAM	25	12	15.48	0.035	15.60	0.036	15.42	0.035
10	16QAM	25	25	15.32	0.034	15.43	0.035	15.29	0.034
10	16QAM	50	0	15.58	0.036	15.68	0.037	15.64	0.037
10	64QAM	1	0	15.76	0.038	15.88	0.039	15.70	0.037
10	64QAM	1	25	15.58	0.036	15.66	0.037	15.49	0.035
10	64QAM	1	49	15.46	0.035	15.50	0.035	15.43	0.035
10	64QAM	25	0	14.68	0.029	14.86	0.031	14.60	0.029
10	64QAM	25	12	14.56	0.029	14.70	0.030	14.46	0.028
10	64QAM	25	25	14.44	0.028	14.48	0.028	14.39	0.027
10	64QAM	50	0	14.71	0.030	14.83	0.030	14.67	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	17.73	0.059	17.77	0.060	17.59	0.057
5	QPSK	1	12	17.55	0.057	17.61	0.058	17.40	0.055
5	QPSK	1	24	17.36	0.054	17.45	0.056	17.34	0.054
5	QPSK	12	0	16.52	0.045	16.46	0.044	16.51	0.045
5	QPSK	12	7	16.23	0.042	16.34	0.043	16.21	0.042
5	QPSK	12	13	16.17	0.041	16.23	0.042	16.07	0.040
5	QPSK	25	0	16.51	0.045	16.52	0.045	16.50	0.045
5	16QAM	1	0	16.84	0.048	16.90	0.049	16.88	0.049
5	16QAM	1	12	16.68	0.047	16.74	0.047	16.67	0.046
5	16QAM	1	24	16.45	0.044	16.62	0.046	16.54	0.045
5	16QAM	12	0	15.55	0.036	15.60	0.036	15.54	0.036
5	16QAM	12	7	15.42	0.035	15.54	0.036	15.36	0.034
5	16QAM	12	13	15.26	0.034	15.37	0.034	15.23	0.033
5	16QAM	25	0	15.52	0.036	15.62	0.036	15.58	0.036
5	64QAM	1	0	15.70	0.037	15.82	0.038	15.64	0.037
5	64QAM	1	12	15.52	0.036	15.60	0.036	15.43	0.035
5	64QAM	1	24	15.40	0.035	15.44	0.035	15.37	0.034
5	64QAM	12	0	14.62	0.029	14.80	0.030	14.54	0.028
5	64QAM	12	7	14.50	0.028	14.64	0.029	14.40	0.028
5	64QAM	12	13	14.38	0.027	14.42	0.028	14.33	0.027
5	64QAM	25	0	14.65	0.029	14.77	0.030	14.61	0.029



LTE Band 25				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26140		26365		26590	
Frequency (MHz)				1860		1882.5		1905	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	23.80	0.240	24.16	0.261	23.83	0.242
20	QPSK	1	49	23.79	0.239	24.14	0.259	23.79	0.239
20	QPSK	1	99	23.78	0.239	24.10	0.257	23.75	0.237
20	QPSK	50	0	23.16	0.207	22.87	0.194	22.74	0.188
20	QPSK	50	24	23.08	0.203	22.80	0.191	22.69	0.186
20	QPSK	50	50	23.02	0.200	22.76	0.189	22.67	0.185
20	QPSK	100	0	22.97	0.198	22.87	0.194	22.52	0.179
20	16QAM	1	0	22.86	0.193	23.17	0.207	23.08	0.203
20	16QAM	1	49	22.75	0.188	22.98	0.199	22.95	0.197
20	16QAM	1	99	22.67	0.185	22.89	0.195	22.81	0.191
20	16QAM	50	0	22.18	0.165	21.80	0.151	21.77	0.150
20	16QAM	50	24	22.13	0.163	21.78	0.151	21.73	0.149
20	16QAM	50	50	22.06	0.161	21.75	0.150	21.68	0.147
20	16QAM	100	0	22.08	0.161	21.82	0.152	21.70	0.148
20	64QAM	1	0	22.02	0.159	21.73	0.149	21.78	0.151
20	64QAM	1	49	21.93	0.156	21.61	0.145	21.69	0.148
20	64QAM	1	99	21.76	0.150	21.58	0.144	21.56	0.143
20	64QAM	50	0	20.92	0.124	20.61	0.115	20.62	0.115
20	64QAM	50	24	20.71	0.118	20.54	0.113	20.57	0.114
20	64QAM	50	50	20.56	0.114	20.49	0.112	20.48	0.112
20	64QAM	100	0	20.89	0.123	20.57	0.114	20.43	0.110



LTE Band 25				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26115		26365		26615	
Frequency (MHz)				1857.5		1882.5		1907.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	23.77	0.238	24.11	0.258	23.78	0.239
15	QPSK	1	37	23.74	0.237	24.09	0.256	23.74	0.237
15	QPSK	1	74	23.73	0.236	24.05	0.254	23.70	0.234
15	QPSK	36	0	23.11	0.205	22.82	0.191	22.69	0.186
15	QPSK	36	20	23.03	0.201	22.75	0.188	22.64	0.184
15	QPSK	36	39	22.97	0.198	22.71	0.187	22.62	0.183
15	QPSK	75	0	22.92	0.196	22.82	0.191	22.47	0.177
15	16QAM	1	0	22.81	0.191	23.12	0.205	23.03	0.201
15	16QAM	1	37	22.70	0.186	22.93	0.196	22.90	0.195
15	16QAM	1	74	22.62	0.183	22.84	0.192	22.76	0.189
15	16QAM	36	0	22.13	0.163	21.75	0.150	21.72	0.149
15	16QAM	36	20	22.08	0.161	21.73	0.149	21.68	0.147
15	16QAM	36	39	22.01	0.159	21.70	0.148	21.63	0.146
15	16QAM	75	0	22.03	0.160	21.77	0.150	21.65	0.146
15	64QAM	1	0	21.97	0.157	21.68	0.147	21.73	0.149
15	64QAM	1	37	21.88	0.154	21.56	0.143	21.64	0.146
15	64QAM	1	74	21.71	0.148	21.53	0.142	21.51	0.142
15	64QAM	36	0	20.87	0.122	20.56	0.114	20.57	0.114
15	64QAM	36	20	20.66	0.116	20.49	0.112	20.52	0.113
15	64QAM	36	39	20.51	0.112	20.44	0.111	20.43	0.110
15	64QAM	75	0	20.84	0.121	20.52	0.113	20.38	0.109



LTE Band 25				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26090		26365		26640	
Frequency (MHz)				1855		1882.5		1910	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	23.74	0.237	24.06	0.255	23.73	0.236
10	QPSK	1	25	23.69	0.234	24.04	0.254	23.69	0.234
10	QPSK	1	49	23.68	0.233	24.00	0.251	23.65	0.232
10	QPSK	25	0	23.06	0.202	22.77	0.189	22.64	0.184
10	QPSK	25	12	22.98	0.199	22.70	0.186	22.59	0.182
10	QPSK	25	25	22.92	0.196	22.66	0.185	22.57	0.181
10	QPSK	50	0	22.87	0.194	22.77	0.189	22.42	0.175
10	16QAM	1	0	22.76	0.189	23.07	0.203	22.98	0.199
10	16QAM	1	25	22.65	0.184	22.88	0.194	22.85	0.193
10	16QAM	1	49	22.57	0.181	22.79	0.190	22.71	0.187
10	16QAM	25	0	22.08	0.161	21.70	0.148	21.67	0.147
10	16QAM	25	12	22.03	0.160	21.68	0.147	21.63	0.146
10	16QAM	25	25	21.96	0.157	21.65	0.146	21.58	0.144
10	16QAM	50	0	21.98	0.158	21.72	0.149	21.60	0.145
10	64QAM	1	0	21.92	0.156	21.63	0.146	21.68	0.147
10	64QAM	1	25	21.83	0.152	21.51	0.142	21.59	0.144
10	64QAM	1	49	21.66	0.147	21.48	0.141	21.46	0.140
10	64QAM	25	0	20.82	0.121	20.51	0.112	20.52	0.113
10	64QAM	25	12	20.61	0.115	20.44	0.111	20.47	0.111
10	64QAM	25	25	20.46	0.111	20.39	0.109	20.38	0.109
10	64QAM	50	0	20.79	0.120	20.47	0.111	20.33	0.108



LTE Band 25				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26065		26365		26665	
Frequency (MHz)				1852.5		1882.5		1912.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	23.70	0.234	24.02	0.252	23.69	0.234
5	QPSK	1	12	23.65	0.232	24.00	0.251	23.65	0.232
5	QPSK	1	24	23.64	0.231	23.96	0.249	23.61	0.230
5	QPSK	12	0	23.02	0.200	22.73	0.187	22.60	0.182
5	QPSK	12	7	22.94	0.197	22.66	0.185	22.55	0.180
5	QPSK	12	13	22.88	0.194	22.62	0.183	22.53	0.179
5	QPSK	25	0	22.83	0.192	22.73	0.187	22.38	0.173
5	16QAM	1	0	22.72	0.187	23.03	0.201	22.94	0.197
5	16QAM	1	12	22.61	0.182	22.84	0.192	22.81	0.191
5	16QAM	1	24	22.53	0.179	22.75	0.188	22.67	0.185
5	16QAM	12	0	22.04	0.160	21.66	0.147	21.63	0.146
5	16QAM	12	7	21.99	0.158	21.64	0.146	21.59	0.144
5	16QAM	12	13	21.92	0.156	21.61	0.145	21.54	0.143
5	16QAM	25	0	21.94	0.156	21.68	0.147	21.56	0.143
5	64QAM	1	0	21.88	0.154	21.59	0.144	21.64	0.146
5	64QAM	1	12	21.79	0.151	21.47	0.140	21.55	0.143
5	64QAM	1	24	21.62	0.145	21.44	0.139	21.42	0.139
5	64QAM	12	0	20.78	0.120	20.47	0.111	20.48	0.112
5	64QAM	12	7	20.57	0.114	20.40	0.110	20.43	0.110
5	64QAM	12	13	20.42	0.110	20.35	0.108	20.34	0.108
5	64QAM	25	0	20.75	0.119	20.43	0.110	20.29	0.107



LTE Band 25				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26055		26365		26675	
Frequency (MHz)				1851.5		1882.5		1913.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	23.66	0.232	23.98	0.250	23.65	0.232
3	QPSK	1	8	23.61	0.230	23.96	0.249	23.61	0.230
3	QPSK	1	14	23.60	0.229	23.92	0.247	23.57	0.228
3	QPSK	8	0	22.98	0.199	22.69	0.186	22.56	0.180
3	QPSK	8	4	22.90	0.195	22.62	0.183	22.51	0.178
3	QPSK	8	7	22.84	0.192	22.58	0.181	22.49	0.177
3	QPSK	15	0	22.79	0.190	22.69	0.186	22.34	0.171
3	16QAM	1	0	22.68	0.185	22.99	0.199	22.90	0.195
3	16QAM	1	8	22.57	0.181	22.80	0.191	22.77	0.189
3	16QAM	1	14	22.49	0.177	22.71	0.187	22.63	0.183
3	16QAM	8	0	22.00	0.158	21.62	0.145	21.59	0.144
3	16QAM	8	4	21.95	0.157	21.60	0.145	21.55	0.143
3	16QAM	8	7	21.88	0.154	21.57	0.144	21.50	0.141
3	16QAM	15	0	21.90	0.155	21.64	0.146	21.52	0.142
3	64QAM	1	0	21.84	0.153	21.55	0.143	21.60	0.145
3	64QAM	1	8	21.84	0.153	21.55	0.143	21.60	0.145
3	64QAM	1	14	21.75	0.150	21.43	0.139	21.51	0.142
3	64QAM	8	0	21.58	0.144	21.40	0.138	21.38	0.137
3	64QAM	8	4	20.74	0.119	20.43	0.110	20.44	0.111
3	64QAM	8	7	20.53	0.113	20.36	0.109	20.39	0.109
3	64QAM	15	0	20.38	0.109	20.31	0.107	20.30	0.107



LTE Band 25				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26047		26365		26683	
Frequency (MHz)				1850.7		1882.5		1914.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	23.60	0.229	23.92	0.247	23.59	0.229
1.4	QPSK	1	3	23.55	0.226	23.90	0.245	23.55	0.226
1.4	QPSK	1	5	23.54	0.226	23.86	0.243	23.51	0.224
1.4	QPSK	3	0	22.92	0.196	22.63	0.183	22.50	0.178
1.4	QPSK	3	1	22.84	0.192	22.56	0.180	22.45	0.176
1.4	QPSK	3	3	22.78	0.190	22.52	0.179	22.43	0.175
1.4	QPSK	6	0	22.73	0.187	22.63	0.183	22.28	0.169
1.4	16QAM	1	0	22.62	0.183	22.93	0.196	22.84	0.192
1.4	16QAM	1	3	22.51	0.178	22.74	0.188	22.71	0.187
1.4	16QAM	1	5	22.43	0.175	22.65	0.184	22.57	0.181
1.4	16QAM	3	0	21.94	0.156	21.56	0.143	21.53	0.142
1.4	16QAM	3	1	21.89	0.155	21.54	0.143	21.49	0.141
1.4	16QAM	3	3	21.82	0.152	21.51	0.142	21.44	0.139
1.4	16QAM	6	0	21.84	0.153	21.58	0.144	21.46	0.140
1.4	64QAM	1	0	21.78	0.151	21.49	0.141	21.54	0.143
1.4	64QAM	1	3	21.69	0.148	21.37	0.137	21.45	0.140
1.4	64QAM	1	5	21.52	0.142	21.34	0.136	21.32	0.136
1.4	64QAM	3	0	20.68	0.117	20.37	0.109	20.38	0.109
1.4	64QAM	3	1	20.47	0.111	20.30	0.107	20.33	0.108
1.4	64QAM	3	3	20.32	0.108	20.25	0.106	20.24	0.106
1.4	64QAM	6	0	20.65	0.116	20.33	0.108	20.19	0.104



LTE Band 26				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26865		26915		26965	
Frequency (MHz)				831.5		836.5		841.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	20.04	0.101	20.11	0.103	20.09	0.102
15	QPSK	1	37	19.92	0.098	19.96	0.099	19.93	0.098
15	QPSK	1	74	19.78	0.095	19.91	0.098	19.82	0.096
15	QPSK	36	0	19.03	0.080	19.13	0.082	18.99	0.079
15	QPSK	36	20	18.90	0.078	18.98	0.079	18.86	0.077
15	QPSK	36	39	18.78	0.076	18.87	0.077	18.77	0.075
15	QPSK	75	0	19.01	0.080	19.02	0.080	18.98	0.079
15	16QAM	1	0	19.42	0.087	19.41	0.087	19.38	0.087
15	16QAM	1	37	19.31	0.085	19.34	0.086	19.29	0.085
15	16QAM	1	74	19.14	0.082	19.23	0.084	19.20	0.083
15	16QAM	36	0	17.98	0.063	18.08	0.064	17.99	0.063
15	16QAM	36	20	17.87	0.061	17.96	0.063	17.87	0.061
15	16QAM	36	39	17.74	0.059	17.80	0.060	17.76	0.060
15	16QAM	75	0	18.04	0.064	18.03	0.064	17.93	0.062
15	64QAM	1	0	18.38	0.069	18.46	0.070	18.29	0.067
15	64QAM	1	37	18.32	0.068	18.39	0.069	18.22	0.066
15	64QAM	1	74	18.18	0.066	18.26	0.067	18.13	0.065
15	64QAM	36	0	16.92	0.049	16.96	0.050	16.87	0.049
15	64QAM	36	20	16.73	0.047	16.79	0.048	16.70	0.047
15	64QAM	36	39	16.66	0.046	16.71	0.047	16.63	0.046
15	64QAM	75	0	16.61	0.046	16.64	0.046	16.58	0.045



LTE Band 26				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26840		26915		26990	
Frequency (MHz)				829.0		836.5		844.0	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	19.98	0.100	20.05	0.101	20.03	0.101
10	QPSK	1	25	19.86	0.097	19.90	0.098	19.87	0.097
10	QPSK	1	49	19.72	0.094	19.85	0.097	19.76	0.095
10	QPSK	25	0	18.97	0.079	19.07	0.081	18.93	0.078
10	QPSK	25	12	18.84	0.077	18.92	0.078	18.80	0.076
10	QPSK	25	25	18.72	0.074	18.81	0.076	18.71	0.074
10	QPSK	50	0	18.95	0.079	18.96	0.079	18.92	0.078
10	16QAM	1	0	19.36	0.086	19.35	0.086	19.32	0.086
10	16QAM	1	25	19.25	0.084	19.28	0.085	19.23	0.084
10	16QAM	1	49	19.08	0.081	19.17	0.083	19.14	0.082
10	16QAM	25	0	17.92	0.062	18.02	0.063	17.93	0.062
10	16QAM	25	12	17.81	0.060	17.90	0.062	17.81	0.060
10	16QAM	25	25	17.68	0.059	17.74	0.059	17.70	0.059
10	16QAM	50	0	17.98	0.063	17.97	0.063	17.87	0.061
10	64QAM	1	0	18.32	0.068	18.40	0.069	18.23	0.067
10	64QAM	1	25	18.26	0.067	18.33	0.068	18.16	0.065
10	64QAM	1	49	18.12	0.065	18.20	0.066	18.07	0.064
10	64QAM	25	0	16.86	0.049	16.90	0.049	16.81	0.048
10	64QAM	25	12	16.67	0.046	16.73	0.047	16.64	0.046
10	64QAM	25	25	16.60	0.046	16.65	0.046	16.57	0.045
10	64QAM	50	0	16.55	0.045	16.58	0.045	16.52	0.045



LTE Band 26				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26815		26915		27015	
Frequency (MHz)				826.5		836.5		846.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	19.95	0.099	20.02	0.100	20.00	0.100
5	QPSK	1	12	19.83	0.096	19.87	0.097	19.84	0.096
5	QPSK	1	24	19.69	0.093	19.82	0.096	19.73	0.094
5	QPSK	12	0	18.94	0.078	19.04	0.080	18.90	0.078
5	QPSK	12	7	18.81	0.076	18.89	0.077	18.77	0.075
5	QPSK	12	13	18.69	0.074	18.78	0.076	18.68	0.074
5	QPSK	25	0	18.92	0.078	18.93	0.078	18.89	0.077
5	16QAM	1	0	19.33	0.086	19.32	0.086	19.29	0.085
5	16QAM	1	12	19.22	0.084	19.25	0.084	19.20	0.083
5	16QAM	1	24	19.05	0.080	19.14	0.082	19.11	0.081
5	16QAM	12	0	17.89	0.062	17.99	0.063	17.90	0.062
5	16QAM	12	7	17.78	0.060	17.87	0.061	17.78	0.060
5	16QAM	12	13	17.65	0.058	17.71	0.059	17.67	0.058
5	16QAM	25	0	17.95	0.062	17.94	0.062	17.84	0.061
5	64QAM	1	0	18.29	0.067	18.37	0.069	18.20	0.066
5	64QAM	1	12	18.23	0.067	18.30	0.068	18.13	0.065
5	64QAM	1	24	18.09	0.064	18.17	0.066	18.04	0.064
5	64QAM	12	0	16.83	0.048	16.87	0.049	16.78	0.048
5	64QAM	12	7	16.64	0.046	16.70	0.047	16.61	0.046
5	64QAM	12	13	16.57	0.045	16.62	0.046	16.54	0.045
5	64QAM	25	0	16.52	0.045	16.55	0.045	16.49	0.045



LTE Band 26				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26805		26915		27025	
Frequency (MHz)				825.5		836.5		847.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	19.92	0.098	19.99	0.100	19.97	0.099
3	QPSK	1	8	19.80	0.095	19.84	0.096	19.81	0.096
3	QPSK	1	14	19.66	0.092	19.79	0.095	19.70	0.093
3	QPSK	8	0	18.91	0.078	19.01	0.080	18.87	0.077
3	QPSK	8	4	18.78	0.076	18.86	0.077	18.74	0.075
3	QPSK	8	7	18.66	0.073	18.75	0.075	18.65	0.073
3	QPSK	15	0	18.89	0.077	18.90	0.078	18.86	0.077
3	16QAM	1	0	19.30	0.085	19.29	0.085	19.26	0.084
3	16QAM	1	8	19.19	0.083	19.22	0.084	19.17	0.083
3	16QAM	1	14	19.02	0.080	19.11	0.081	19.08	0.081
3	16QAM	8	0	17.86	0.061	17.96	0.063	17.87	0.061
3	16QAM	8	4	17.75	0.060	17.84	0.061	17.75	0.060
3	16QAM	8	7	17.62	0.058	17.68	0.059	17.64	0.058
3	16QAM	15	0	17.92	0.062	17.91	0.062	17.81	0.060
3	64QAM	1	0	18.26	0.067	18.34	0.068	18.17	0.066
3	64QAM	1	8	18.20	0.066	18.27	0.067	18.10	0.065
3	64QAM	1	14	18.06	0.064	18.14	0.065	18.01	0.063
3	64QAM	8	0	16.80	0.048	16.84	0.048	16.75	0.047
3	64QAM	8	4	16.61	0.046	16.67	0.046	16.58	0.045
3	64QAM	8	7	16.54	0.045	16.59	0.046	16.51	0.045
3	64QAM	15	0	16.49	0.045	16.52	0.045	16.46	0.044



LTE Band 26				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26797		26915		27033	
Frequency (MHz)				824.7		836.5		848.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	19.91	0.098	19.98	0.100	19.96	0.099
1.4	QPSK	1	3	19.79	0.095	19.83	0.096	19.80	0.095
1.4	QPSK	1	5	19.65	0.092	19.78	0.095	19.69	0.093
1.4	QPSK	3	0	18.90	0.078	19.00	0.079	18.86	0.077
1.4	QPSK	3	1	18.77	0.075	18.85	0.077	18.73	0.075
1.4	QPSK	3	3	18.65	0.073	18.74	0.075	18.64	0.073
1.4	QPSK	6	0	18.88	0.077	18.89	0.077	18.85	0.077
1.4	16QAM	1	0	19.29	0.085	19.28	0.085	19.25	0.084
1.4	16QAM	1	3	19.18	0.083	19.21	0.083	19.16	0.082
1.4	16QAM	1	5	19.01	0.080	19.10	0.081	19.07	0.081
1.4	16QAM	3	0	17.85	0.061	17.95	0.062	17.86	0.061
1.4	16QAM	3	1	17.74	0.059	17.83	0.061	17.74	0.059
1.4	16QAM	3	3	17.61	0.058	17.67	0.058	17.63	0.058
1.4	16QAM	6	0	17.91	0.062	17.90	0.062	17.80	0.060
1.4	64QAM	1	0	18.25	0.067	18.33	0.068	18.16	0.065
1.4	64QAM	1	3	18.19	0.066	18.26	0.067	18.09	0.064
1.4	64QAM	1	5	18.05	0.064	18.13	0.065	18.00	0.063
1.4	64QAM	3	0	16.79	0.048	16.83	0.048	16.74	0.047
1.4	64QAM	3	1	16.60	0.046	16.66	0.046	16.57	0.045
1.4	64QAM	3	3	16.53	0.045	16.58	0.045	16.50	0.045
1.4	64QAM	6	0	16.48	0.044	16.51	0.045	16.45	0.044



LTE Band 41				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39750		40620		41490	
Frequency (MHz)				2506		2593		2680	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	26.07	0.405	25.68	0.370	25.63	0.366
20	QPSK	1	49	25.86	0.385	25.27	0.337	25.25	0.335
20	QPSK	1	99	25.78	0.378	25.22	0.333	25.37	0.344
20	QPSK	50	0	25.80	0.380	25.75	0.376	25.95	0.394
20	QPSK	50	24	25.59	0.362	25.57	0.361	25.68	0.370
20	QPSK	50	50	25.38	0.345	25.38	0.345	25.37	0.344
20	QPSK	100	0	26.21	0.418	25.93	0.392	25.37	0.344
20	16QAM	1	0	25.30	0.339	24.75	0.299	23.89	0.245
20	16QAM	1	49	25.05	0.320	24.48	0.281	24.26	0.267
20	16QAM	1	99	24.83	0.304	24.13	0.259	24.05	0.254
20	16QAM	50	0	24.50	0.282	25.06	0.321	24.72	0.296
20	16QAM	50	24	24.37	0.274	24.95	0.313	24.53	0.284
20	16QAM	50	50	24.13	0.259	24.83	0.304	24.46	0.279
20	16QAM	100	0	25.09	0.323	25.39	0.346	24.37	0.274
20	64QAM	1	0	24.68	0.294	24.65	0.292	24.60	0.288
20	64QAM	1	49	24.57	0.286	24.56	0.286	24.55	0.285
20	64QAM	1	99	24.42	0.277	24.42	0.277	24.43	0.277
20	64QAM	50	0	23.55	0.226	23.56	0.227	22.83	0.192
20	64QAM	50	24	23.45	0.221	23.45	0.221	22.81	0.191
20	64QAM	50	50	23.27	0.212	23.31	0.214	22.77	0.189
20	64QAM	100	0	23.12	0.205	23.23	0.210	22.75	0.188



LTE Band 41				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39725		40620		41515	
Frequency (MHz)				2503.5		2593		2682.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	26.04	0.402	25.65	0.367	25.10	0.324
15	QPSK	1	37	25.83	0.383	25.24	0.334	24.92	0.310
15	QPSK	1	74	25.75	0.376	25.15	0.327	24.84	0.305
15	QPSK	36	0	25.77	0.378	25.72	0.373	25.92	0.391
15	QPSK	36	20	25.56	0.360	25.54	0.358	25.65	0.367
15	QPSK	36	39	25.35	0.343	25.35	0.343	25.34	0.342
15	QPSK	75	0	26.18	0.415	25.90	0.389	25.34	0.342
15	16QAM	1	0	25.27	0.337	24.72	0.296	24.46	0.279
15	16QAM	1	37	25.02	0.318	24.45	0.279	24.23	0.265
15	16QAM	1	74	24.80	0.302	24.10	0.257	24.02	0.252
15	16QAM	36	0	24.47	0.280	25.03	0.318	24.69	0.294
15	16QAM	36	20	24.34	0.272	24.92	0.310	24.50	0.282
15	16QAM	36	39	24.10	0.257	24.80	0.302	24.43	0.277
15	16QAM	75	0	25.06	0.321	25.36	0.344	24.34	0.272
15	64QAM	1	0	24.65	0.292	24.62	0.290	24.57	0.286
15	64QAM	1	37	24.54	0.284	24.53	0.284	24.52	0.283
15	64QAM	1	74	24.39	0.275	24.39	0.275	24.40	0.275
15	64QAM	36	0	23.52	0.225	23.53	0.225	22.80	0.191
15	64QAM	36	20	23.42	0.220	23.42	0.220	22.78	0.190
15	64QAM	36	39	23.24	0.211	23.28	0.213	22.74	0.188
15	64QAM	75	0	23.09	0.204	23.20	0.209	22.72	0.187



LTE Band 41				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39700		40620		41540	
Frequency (MHz)				2501		2593		2685	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	26.01	0.399	25.62	0.365	25.07	0.321
10	QPSK	1	25	25.80	0.380	25.21	0.332	24.89	0.308
10	QPSK	1	49	25.72	0.373	24.96	0.313	24.81	0.303
10	QPSK	25	0	25.74	0.375	25.69	0.371	25.89	0.388
10	QPSK	25	12	25.53	0.357	25.51	0.356	25.62	0.365
10	QPSK	25	25	25.32	0.340	25.32	0.340	25.31	0.340
10	QPSK	50	0	26.15	0.412	25.87	0.386	25.31	0.340
10	16QAM	1	0	25.24	0.334	24.69	0.294	23.43	0.220
10	16QAM	1	25	24.99	0.316	24.42	0.277	23.20	0.209
10	16QAM	1	49	24.77	0.300	24.07	0.255	22.99	0.199
10	16QAM	25	0	24.44	0.278	25.00	0.316	24.66	0.292
10	16QAM	25	12	24.31	0.270	24.89	0.308	24.47	0.280
10	16QAM	25	25	24.07	0.255	24.77	0.300	24.40	0.275
10	16QAM	50	0	25.03	0.318	25.33	0.341	24.31	0.270
10	64QAM	1	0	24.62	0.290	24.59	0.288	24.54	0.284
10	64QAM	1	25	24.51	0.282	24.50	0.282	24.49	0.281
10	64QAM	1	49	24.36	0.273	24.36	0.273	24.37	0.274
10	64QAM	25	0	23.49	0.223	23.50	0.224	22.77	0.189
10	64QAM	25	12	23.39	0.218	23.39	0.218	22.75	0.188
10	64QAM	25	25	23.21	0.209	23.25	0.211	22.71	0.187
10	64QAM	50	0	23.06	0.202	23.17	0.207	22.69	0.186



LTE Band 41				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39675		40620		41565	
Frequency (MHz)				2498.5		2593		2687.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	25.97	0.395	25.58	0.361	25.03	0.318
5	QPSK	1	12	25.76	0.377	25.17	0.329	24.85	0.305
5	QPSK	1	24	25.68	0.370	24.92	0.310	24.77	0.300
5	QPSK	12	0	25.70	0.372	25.65	0.367	25.85	0.385
5	QPSK	12	7	25.49	0.354	25.47	0.352	25.58	0.361
5	QPSK	12	13	25.28	0.337	25.28	0.337	25.27	0.337
5	QPSK	25	0	26.11	0.408	25.83	0.383	25.27	0.337
5	16QAM	1	0	25.20	0.331	24.65	0.292	23.39	0.218
5	16QAM	1	12	24.95	0.313	24.38	0.274	23.16	0.207
5	16QAM	1	24	24.73	0.297	24.03	0.253	22.95	0.197
5	16QAM	12	0	24.40	0.275	24.96	0.313	24.62	0.290
5	16QAM	12	7	24.27	0.267	24.85	0.305	24.43	0.277
5	16QAM	12	13	24.03	0.253	24.73	0.297	24.36	0.273
5	16QAM	25	0	24.99	0.316	25.29	0.338	24.27	0.267
5	64QAM	1	0	24.58	0.287	24.55	0.285	24.50	0.282
5	64QAM	1	12	24.47	0.280	24.46	0.279	24.45	0.279
5	64QAM	1	24	24.32	0.270	24.32	0.270	24.33	0.271
5	64QAM	12	0	23.45	0.221	23.46	0.222	22.73	0.187
5	64QAM	12	7	23.35	0.216	23.35	0.216	22.71	0.187
5	64QAM	12	13	23.17	0.207	23.21	0.209	22.67	0.185
5	64QAM	25	0	23.02	0.200	23.13	0.206	22.65	0.184



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132072		132322		132572	
Frequency (MHz)				1720		1745		1770	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	23.34	0.216	23.64	0.231	23.40	0.219
20	QPSK	1	49	23.25	0.211	23.56	0.227	23.33	0.215
20	QPSK	1	99	23.24	0.211	23.47	0.222	23.25	0.211
20	QPSK	50	0	22.27	0.169	22.43	0.175	22.59	0.182
20	QPSK	50	24	22.26	0.168	22.35	0.172	22.46	0.176
20	QPSK	50	50	22.23	0.167	22.28	0.169	22.35	0.172
20	QPSK	100	0	22.30	0.170	22.39	0.173	22.57	0.181
20	16QAM	1	0	22.79	0.190	22.98	0.199	23.06	0.202
20	16QAM	1	49	22.65	0.184	22.77	0.189	22.88	0.194
20	16QAM	1	99	22.57	0.181	22.61	0.182	22.69	0.186
20	16QAM	50	0	21.35	0.136	21.50	0.141	21.66	0.147
20	16QAM	50	24	21.28	0.134	21.33	0.136	21.40	0.138
20	16QAM	50	50	21.22	0.132	21.24	0.133	21.26	0.134
20	16QAM	100	0	21.26	0.134	21.43	0.139	21.60	0.145
20	64QAM	1	0	21.45	0.140	21.70	0.148	21.65	0.146
20	64QAM	1	49	21.37	0.137	21.56	0.143	21.44	0.139
20	64QAM	1	99	21.29	0.135	21.38	0.137	21.30	0.135
20	64QAM	50	0	20.18	0.104	20.20	0.105	20.23	0.105
20	64QAM	50	24	20.07	0.102	19.92	0.098	20.01	0.100
20	64QAM	50	50	19.94	0.099	19.77	0.095	19.82	0.096
20	64QAM	100	0	20.06	0.101	20.19	0.104	20.39	0.109



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132047		132322		132597	
Frequency (MHz)				1717.5		1745		1772.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	23.28	0.213	23.58	0.228	23.34	0.216
15	QPSK	1	37	23.19	0.208	23.50	0.224	23.27	0.212
15	QPSK	1	74	23.18	0.208	23.41	0.219	23.19	0.208
15	QPSK	36	0	22.21	0.166	22.37	0.173	22.53	0.179
15	QPSK	36	20	22.20	0.166	22.29	0.169	22.40	0.174
15	QPSK	36	39	22.17	0.165	22.22	0.167	22.29	0.169
15	QPSK	75	0	22.24	0.167	22.33	0.171	22.51	0.178
15	16QAM	1	0	22.73	0.187	22.92	0.196	23.00	0.200
15	16QAM	1	37	22.59	0.182	22.71	0.187	22.82	0.191
15	16QAM	1	74	22.51	0.178	22.55	0.180	22.63	0.183
15	16QAM	36	0	21.29	0.135	21.44	0.139	21.60	0.145
15	16QAM	36	20	21.22	0.132	21.27	0.134	21.34	0.136
15	16QAM	36	39	21.16	0.131	21.18	0.131	21.20	0.132
15	16QAM	75	0	21.20	0.132	21.37	0.137	21.54	0.143
15	64QAM	1	0	21.39	0.138	21.64	0.146	21.59	0.144
15	64QAM	1	37	21.31	0.135	21.50	0.141	21.38	0.137
15	64QAM	1	74	21.23	0.133	21.32	0.136	21.24	0.133
15	64QAM	36	0	20.12	0.103	20.14	0.103	20.17	0.104
15	64QAM	36	20	20.01	0.100	19.86	0.097	19.95	0.099
15	64QAM	36	39	19.88	0.097	19.71	0.094	19.76	0.095
15	64QAM	75	0	20.00	0.100	20.13	0.103	20.33	0.108



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132022		132322		132622	
Frequency (MHz)				1715		1745		1775	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	23.25	0.211	23.55	0.226	23.31	0.214
10	QPSK	1	25	23.16	0.207	23.47	0.222	23.24	0.211
10	QPSK	1	49	23.15	0.207	23.38	0.218	23.16	0.207
10	QPSK	25	0	22.18	0.165	22.34	0.171	22.50	0.178
10	QPSK	25	12	22.17	0.165	22.26	0.168	22.37	0.173
10	QPSK	25	25	22.14	0.164	22.19	0.166	22.26	0.168
10	QPSK	50	0	22.21	0.166	22.30	0.170	22.48	0.177
10	16QAM	1	0	22.70	0.186	22.89	0.195	22.97	0.198
10	16QAM	1	25	22.56	0.180	22.68	0.185	22.79	0.190
10	16QAM	1	49	22.48	0.177	22.52	0.179	22.60	0.182
10	16QAM	25	0	21.26	0.134	21.41	0.138	21.57	0.144
10	16QAM	25	12	21.19	0.132	21.24	0.133	21.31	0.135
10	16QAM	25	25	21.13	0.130	21.15	0.130	21.17	0.131
10	16QAM	50	0	21.17	0.131	21.34	0.136	21.51	0.142
10	64QAM	1	0	21.36	0.137	21.61	0.145	21.56	0.143
10	64QAM	1	25	21.28	0.134	21.47	0.140	21.35	0.136
10	64QAM	1	49	21.20	0.132	21.29	0.135	21.21	0.132
10	64QAM	25	0	20.09	0.102	20.11	0.103	20.14	0.103
10	64QAM	25	12	19.98	0.100	19.83	0.096	19.92	0.098
10	64QAM	25	25	19.85	0.097	19.68	0.093	19.73	0.094
10	64QAM	50	0	19.97	0.099	20.10	0.102	20.30	0.107



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131997		132322		132647	
Frequency (MHz)				1712.5		1745		1777.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	23.21	0.209	23.51	0.224	23.27	0.212
5	QPSK	1	12	23.12	0.205	23.43	0.220	23.20	0.209
5	QPSK	1	24	23.11	0.205	23.34	0.216	23.12	0.205
5	QPSK	12	0	22.14	0.164	22.30	0.170	22.46	0.176
5	QPSK	12	7	22.13	0.163	22.22	0.167	22.33	0.171
5	QPSK	12	13	22.10	0.162	22.15	0.164	22.22	0.167
5	QPSK	25	0	22.17	0.165	22.26	0.168	22.44	0.175
5	16QAM	1	0	22.66	0.185	22.85	0.193	22.93	0.196
5	16QAM	1	12	22.52	0.179	22.64	0.184	22.75	0.188
5	16QAM	1	24	22.44	0.175	22.48	0.177	22.56	0.180
5	16QAM	12	0	21.22	0.132	21.37	0.137	21.53	0.142
5	16QAM	12	7	21.15	0.130	21.20	0.132	21.27	0.134
5	16QAM	12	13	21.09	0.129	21.11	0.129	21.13	0.130
5	16QAM	25	0	21.13	0.130	21.30	0.135	21.47	0.140
5	64QAM	1	0	21.32	0.136	21.57	0.144	21.52	0.142
5	64QAM	1	12	21.24	0.133	21.43	0.139	21.31	0.135
5	64QAM	1	24	21.16	0.131	21.25	0.133	21.17	0.131
5	64QAM	12	0	20.05	0.101	20.07	0.102	20.10	0.102
5	64QAM	12	7	19.94	0.099	19.79	0.095	19.88	0.097
5	64QAM	12	13	19.81	0.096	19.64	0.092	19.69	0.093
5	64QAM	25	0	19.93	0.098	20.06	0.101	20.26	0.106



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131987		132322		132657	
Frequency (MHz)				1711.5		1745		1778.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	23.18	0.208	23.48	0.223	23.24	0.211
3	QPSK	1	8	23.09	0.204	23.40	0.219	23.17	0.207
3	QPSK	1	14	23.08	0.203	23.31	0.214	23.09	0.204
3	QPSK	8	0	22.11	0.163	22.27	0.169	22.43	0.175
3	QPSK	8	4	22.10	0.162	22.19	0.166	22.30	0.170
3	QPSK	8	7	22.07	0.161	22.12	0.163	22.19	0.166
3	QPSK	15	0	22.14	0.164	22.23	0.167	22.41	0.174
3	16QAM	1	0	22.63	0.183	22.82	0.191	22.90	0.195
3	16QAM	1	8	22.49	0.177	22.61	0.182	22.72	0.187
3	16QAM	1	14	22.41	0.174	22.45	0.176	22.53	0.179
3	16QAM	8	0	21.19	0.132	21.34	0.136	21.50	0.141
3	16QAM	8	4	21.12	0.129	21.17	0.131	21.24	0.133
3	16QAM	8	7	21.06	0.128	21.08	0.128	21.10	0.129
3	16QAM	15	0	21.10	0.129	21.27	0.134	21.44	0.139
3	64QAM	1	0	21.29	0.135	21.54	0.143	21.49	0.141
3	64QAM	1	8	21.21	0.132	21.40	0.138	21.28	0.134
3	64QAM	1	14	21.13	0.130	21.22	0.132	21.14	0.130
3	64QAM	8	0	20.02	0.100	20.04	0.101	20.07	0.102
3	64QAM	8	4	19.91	0.098	19.76	0.095	19.85	0.097
3	64QAM	8	7	19.78	0.095	19.61	0.091	19.66	0.092
3	64QAM	15	0	19.90	0.098	20.03	0.101	20.23	0.105



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	21.05	0.127	21.35	0.136	21.11	0.129
1.4	QPSK	1	3	20.96	0.125	21.27	0.134	21.04	0.127
1.4	QPSK	1	5	20.95	0.124	21.18	0.131	20.96	0.125
1.4	QPSK	3	0	19.98	0.100	20.14	0.103	20.30	0.107
1.4	QPSK	3	1	19.97	0.099	20.06	0.101	20.17	0.104
1.4	QPSK	3	3	19.94	0.099	19.99	0.100	20.06	0.101
1.4	QPSK	6	0	20.01	0.100	20.10	0.102	20.28	0.107
1.4	16QAM	1	0	20.50	0.112	20.69	0.117	20.77	0.119
1.4	16QAM	1	3	20.36	0.109	20.48	0.112	20.59	0.115
1.4	16QAM	1	5	20.28	0.107	20.32	0.108	20.40	0.110
1.4	16QAM	3	0	19.06	0.081	19.21	0.083	19.37	0.086
1.4	16QAM	3	1	18.99	0.079	19.04	0.080	19.11	0.081
1.4	16QAM	3	3	18.93	0.078	18.95	0.079	18.97	0.079
1.4	16QAM	6	0	18.97	0.079	19.14	0.082	19.31	0.085
1.4	64QAM	1	0	19.16	0.082	19.41	0.087	19.36	0.086
1.4	64QAM	1	3	19.08	0.081	19.27	0.085	19.15	0.082
1.4	64QAM	1	5	19.00	0.079	19.09	0.081	19.01	0.080
1.4	64QAM	3	0	17.89	0.062	17.91	0.062	17.94	0.062
1.4	64QAM	3	1	17.78	0.060	17.63	0.058	17.72	0.059
1.4	64QAM	3	3	17.65	0.058	17.48	0.056	17.53	0.057
1.4	64QAM	6	0	17.77	0.060	17.90	0.062	18.10	0.065



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	16.12	0.041	16.32	0.043	16.16	0.041
20	QPSK	1	49	15.99	0.040	16.09	0.041	16.06	0.040
20	QPSK	1	99	15.96	0.039	15.93	0.039	15.92	0.039
20	QPSK	50	0	15.44	0.035	15.48	0.035	15.47	0.035
20	QPSK	50	24	15.30	0.034	15.34	0.034	15.41	0.035
20	QPSK	50	50	15.43	0.035	15.52	0.036	15.25	0.033
20	QPSK	100	0	15.37	0.034	15.39	0.035	15.36	0.034
20	16QAM	1	0	15.61	0.036	15.78	0.038	15.74	0.037
20	16QAM	1	49	15.47	0.035	15.62	0.036	15.65	0.037
20	16QAM	1	99	15.29	0.034	15.60	0.036	15.50	0.035
20	16QAM	50	0	14.66	0.029	14.82	0.030	14.75	0.030
20	16QAM	50	24	14.52	0.028	14.69	0.029	14.68	0.029
20	16QAM	50	50	14.50	0.028	14.55	0.029	14.60	0.029
20	16QAM	100	0	14.34	0.027	14.37	0.027	14.46	0.028
20	64QAM	1	0	15.44	0.035	15.49	0.035	15.30	0.034
20	64QAM	1	49	15.34	0.034	15.38	0.035	15.19	0.033
20	64QAM	1	99	15.21	0.033	15.28	0.034	15.06	0.032
20	64QAM	50	0	14.10	0.026	14.18	0.026	14.19	0.026
20	64QAM	50	24	14.07	0.026	14.12	0.026	14.15	0.026
20	64QAM	50	50	14.00	0.025	14.06	0.025	13.86	0.024
20	64QAM	100	0	13.97	0.025	14.09	0.026	13.88	0.024



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	16.07	0.040	16.26	0.042	16.09	0.041
15	QPSK	1	37	15.92	0.039	16.07	0.040	15.98	0.040
15	QPSK	1	74	15.92	0.039	15.88	0.039	15.87	0.039
15	QPSK	36	0	15.36	0.034	15.41	0.035	15.44	0.035
15	QPSK	36	20	15.26	0.034	15.29	0.034	15.37	0.034
15	QPSK	36	39	15.39	0.035	15.45	0.035	15.19	0.033
15	QPSK	75	0	15.31	0.034	15.32	0.034	15.31	0.034
15	16QAM	1	0	15.54	0.036	15.74	0.037	15.69	0.037
15	16QAM	1	37	15.42	0.035	15.60	0.036	15.61	0.036
15	16QAM	1	74	15.26	0.034	15.56	0.036	15.48	0.035
15	16QAM	36	0	14.62	0.029	14.74	0.030	14.69	0.029
15	16QAM	36	20	14.51	0.028	14.66	0.029	14.62	0.029
15	16QAM	36	39	14.42	0.028	14.48	0.028	14.54	0.028
15	16QAM	75	0	14.29	0.027	14.32	0.027	14.41	0.028
15	64QAM	1	0	15.37	0.034	15.42	0.035	15.26	0.034
15	64QAM	1	37	15.30	0.034	15.36	0.034	15.11	0.032
15	64QAM	1	74	15.13	0.033	15.22	0.033	15.00	0.032
15	64QAM	36	0	14.07	0.026	14.11	0.026	14.11	0.026
15	64QAM	36	20	14.04	0.025	14.10	0.026	14.14	0.026
15	64QAM	36	39	13.98	0.025	14.02	0.025	13.82	0.024
15	64QAM	75	0	13.92	0.025	14.03	0.025	13.85	0.024



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	16.02	0.040	16.23	0.042	16.03	0.040
10	QPSK	1	25	15.90	0.039	16.01	0.040	15.94	0.039
10	QPSK	1	49	15.89	0.039	15.82	0.038	15.80	0.038
10	QPSK	25	0	15.31	0.034	15.38	0.035	15.40	0.035
10	QPSK	25	12	15.22	0.033	15.25	0.033	15.30	0.034
10	QPSK	25	25	15.35	0.034	15.43	0.035	15.18	0.033
10	QPSK	50	0	15.27	0.034	15.27	0.034	15.24	0.033
10	16QAM	1	0	15.52	0.036	15.71	0.037	15.61	0.036
10	16QAM	1	25	15.39	0.035	15.58	0.036	15.53	0.036
10	16QAM	1	49	15.24	0.033	15.54	0.036	15.42	0.035
10	16QAM	25	0	14.60	0.029	14.73	0.030	14.64	0.029
10	16QAM	25	12	14.48	0.028	14.59	0.029	14.58	0.029
10	16QAM	25	25	14.37	0.027	14.45	0.028	14.53	0.028
10	16QAM	50	0	14.27	0.027	14.28	0.027	14.34	0.027
10	64QAM	1	0	15.31	0.034	15.36	0.034	15.23	0.033
10	64QAM	1	25	15.28	0.034	15.33	0.034	15.04	0.032
10	64QAM	1	49	15.11	0.032	15.16	0.033	14.92	0.031
10	64QAM	25	0	14.02	0.025	14.04	0.025	14.05	0.025
10	64QAM	25	12	14.02	0.025	14.03	0.025	14.11	0.026
10	64QAM	25	25	13.92	0.025	13.95	0.025	13.75	0.024
10	64QAM	50	0	13.85	0.024	14.01	0.025	13.82	0.024



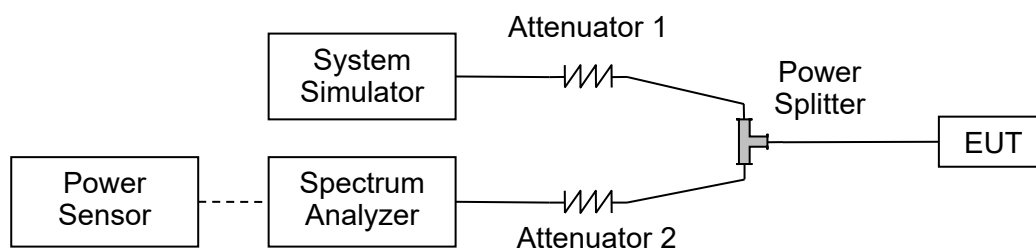
LTE Band 71				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133147		133297		133447	
Frequency (MHz)				665.5		680.5		695.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	16.00	0.040	16.17	0.041	16.00	0.040
5	QPSK	1	12	15.88	0.039	15.98	0.040	15.87	0.039
5	QPSK	1	24	15.84	0.038	15.76	0.038	15.76	0.038
5	QPSK	12	0	15.28	0.034	15.32	0.034	15.34	0.034
5	QPSK	12	7	15.15	0.033	15.21	0.033	15.28	0.034
5	QPSK	12	13	15.33	0.034	15.41	0.035	15.12	0.033
5	QPSK	25	0	15.26	0.034	15.21	0.033	15.22	0.033
5	16QAM	1	0	15.44	0.035	15.66	0.037	15.56	0.036
5	16QAM	1	12	15.33	0.034	15.54	0.036	15.52	0.036
5	16QAM	1	24	15.19	0.033	15.50	0.035	15.35	0.034
5	16QAM	12	0	14.53	0.028	14.70	0.030	14.63	0.029
5	16QAM	12	7	14.40	0.028	14.57	0.029	14.51	0.028
5	16QAM	12	13	14.32	0.027	14.40	0.028	14.52	0.028
5	16QAM	25	0	14.21	0.026	14.23	0.026	14.31	0.027
5	64QAM	1	0	15.25	0.033	15.29	0.034	15.21	0.033
5	64QAM	1	12	15.22	0.033	15.28	0.034	14.98	0.031
5	64QAM	1	24	15.08	0.032	15.13	0.033	14.88	0.031
5	64QAM	12	0	13.97	0.025	14.01	0.025	14.01	0.025
5	64QAM	12	7	13.97	0.025	14.02	0.025	14.05	0.025
5	64QAM	12	13	13.88	0.024	13.89	0.024	13.71	0.023
5	64QAM	25	0	13.82	0.024	13.95	0.025	13.76	0.024

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 2				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.23
	Low	16QAM	1.1	1.23
	Low	64QAM	1.09	1.24
	Mid	QPSK	1.09	1.24
	Mid	16QAM	1.1	1.23
	Mid	64QAM	1.09	1.24
	High	QPSK	1.09	1.24
	High	16QAM	1.1	1.24
	High	64QAM	1.09	1.24
3	Low	QPSK	2.7	2.99
	Low	16QAM	2.7	3.01
	Low	64QAM	2.7	3.01
	Mid	QPSK	2.7	3.01
	Mid	16QAM	2.7	3.0
	Mid	64QAM	2.71	3.01
	High	QPSK	2.7	3.0
	High	16QAM	2.7	3.0
	High	64QAM	2.71	2.99
5	Low	QPSK	4.5	4.99
	Low	16QAM	4.5	4.95
	Low	64QAM	4.5	4.95
	Mid	QPSK	4.51	4.98
	Mid	16QAM	4.5	4.97
	Mid	64QAM	4.49	4.93
	High	QPSK	4.49	4.97
	High	16QAM	4.49	4.95
	High	64QAM	4.49	4.95
10	Low	QPSK	9.0	9.74
	Low	16QAM	8.96	9.72
	Low	64QAM	8.99	9.78
	Mid	QPSK	9.0	9.79
	Mid	16QAM	8.96	9.74
	Mid	64QAM	8.97	9.83
	High	QPSK	8.94	9.73
	High	16QAM	8.91	9.69
	High	64QAM	8.94	9.76



15	Low	QPSK	13.5	14.6
	Low	16QAM	13.47	14.68
	Low	64QAM	13.46	14.54
	Mid	QPSK	13.41	14.61
	Mid	16QAM	13.41	14.58
	Mid	64QAM	13.42	14.51
	High	QPSK	13.42	14.51
	High	16QAM	13.4	14.63
	High	64QAM	13.4	14.5
20	Low	QPSK	18.01	19.47
	Low	16QAM	18.0	19.52
	Low	64QAM	18.02	19.54
	Mid	QPSK	17.85	19.36
	Mid	16QAM	17.87	19.42
	Mid	64QAM	17.83	19.37
	High	QPSK	17.93	19.4
	High	16QAM	17.98	19.45
	High	64QAM	17.97	19.09



LTE Band 4				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.24
	Low	16QAM	1.1	1.23
	Low	64QAM	1.09	1.25
	Mid	QPSK	1.1	1.24
	Mid	16QAM	1.1	1.23
	Mid	64QAM	1.09	1.24
	High	QPSK	1.09	1.23
	High	16QAM	1.1	1.24
	High	64QAM	1.09	1.25
3	Low	QPSK	2.7	2.98
	Low	16QAM	2.7	3.01
	Low	64QAM	2.71	3.02
	Mid	QPSK	2.7	3.01
	Mid	16QAM	2.71	3.0
	Mid	64QAM	2.71	3.02
	High	QPSK	2.7	3.0
	High	16QAM	2.7	3.0
	High	64QAM	2.71	3.02
5	Low	QPSK	4.51	5.02
	Low	16QAM	4.51	4.96
	Low	64QAM	4.51	4.96
	Mid	QPSK	4.51	5.01
	Mid	16QAM	4.51	4.95
	Mid	64QAM	4.51	4.96
	High	QPSK	4.51	4.99
	High	16QAM	4.51	4.98
	High	64QAM	4.5	4.97
10	Low	QPSK	9.01	9.8
	Low	16QAM	8.96	9.74
	Low	64QAM	8.98	9.8
	Mid	QPSK	9.0	9.85
	Mid	16QAM	8.96	9.78
	Mid	64QAM	8.98	9.82
	High	QPSK	9.0	9.8
	High	16QAM	8.97	9.77
	High	64QAM	8.99	9.8



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15	Low	QPSK	13.45	14.59
	Low	16QAM	13.45	14.68
	Low	64QAM	13.44	14.63
	Mid	QPSK	13.47	14.65
	Mid	16QAM	13.46	14.61
	Mid	64QAM	13.47	14.74
	High	QPSK	13.46	14.62
	High	16QAM	13.46	14.68
	High	64QAM	13.47	14.78
20	Low	QPSK	17.86	19.43
	Low	16QAM	17.89	19.27
	Low	64QAM	17.87	19.29
	Mid	QPSK	17.94	19.45
	Mid	16QAM	17.99	19.54
	Mid	64QAM	17.97	19.48
	High	QPSK	17.98	19.54
	High	16QAM	17.99	19.62
	High	64QAM	17.99	19.6



LTE Band 5				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.22
	Low	16QAM	1.1	1.24
	Low	64QAM	1.09	1.24
	Mid	QPSK	1.1	1.24
	Mid	16QAM	1.1	1.24
	Mid	64QAM	1.09	1.24
	High	QPSK	1.09	1.24
	High	16QAM	1.1	1.25
	High	64QAM	1.09	1.24
3	Low	QPSK	2.7	2.98
	Low	16QAM	2.7	3.01
	Low	64QAM	2.71	3.02
	Mid	QPSK	2.7	3.0
	Mid	16QAM	2.7	3.0
	Mid	64QAM	2.7	3.02
	High	QPSK	2.7	3.01
	High	16QAM	2.7	2.99
	High	64QAM	2.71	3.01
5	Low	QPSK	4.5	4.99
	Low	16QAM	4.51	4.97
	Low	64QAM	4.5	4.97
	Mid	QPSK	4.5	4.99
	Mid	16QAM	4.5	4.98
	Mid	64QAM	4.49	4.94
	High	QPSK	4.5	4.98
	High	16QAM	4.5	4.97
	High	64QAM	4.5	4.94
10	Low	QPSK	9.01	9.81
	Low	16QAM	8.98	9.79
	Low	64QAM	9.01	9.8
	Mid	QPSK	8.97	9.8
	Mid	16QAM	8.94	9.73
	Mid	64QAM	8.95	9.76
	High	QPSK	9.0	9.85
	High	16QAM	8.95	9.73
	High	64QAM	8.97	9.77



LTE Band 7				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.52	4.93
	Low	16QAM	4.51	4.91
	Low	64QAM	4.51	4.96
	Mid	QPSK	4.5	5.0
	Mid	16QAM	4.5	4.94
	Mid	64QAM	4.5	4.96
	High	QPSK	4.5	5.0
	High	16QAM	4.51	4.96
	High	64QAM	4.51	4.96
10	Low	QPSK	9.0	9.81
	Low	16QAM	8.95	9.75
	Low	64QAM	8.99	9.8
	Mid	QPSK	9.0	9.83
	Mid	16QAM	8.95	9.77
	Mid	64QAM	8.99	9.83
	High	QPSK	8.99	9.8
	High	16QAM	8.97	9.79
	High	64QAM	8.98	9.85
15	Low	QPSK	13.48	14.64
	Low	16QAM	13.44	14.7
	Low	64QAM	13.43	14.63
	Mid	QPSK	13.47	14.61
	Mid	16QAM	13.44	14.7
	Mid	64QAM	13.45	14.73
	High	QPSK	13.49	14.72
	High	16QAM	13.45	14.62
	High	64QAM	13.45	14.7
20	Low	QPSK	17.9	19.49
	Low	16QAM	17.93	19.45
	Low	64QAM	17.93	19.52
	Mid	QPSK	17.91	19.4
	Mid	16QAM	17.95	19.44
	Mid	64QAM	17.94	19.44
	High	QPSK	17.94	19.38
	High	16QAM	17.97	19.55
	High	64QAM	17.94	19.49



LTE Band 12				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.24
	Low	16QAM	1.09	1.24
	Low	64QAM	1.09	1.24
	Mid	QPSK	1.1	1.24
	Mid	16QAM	1.09	1.24
	Mid	64QAM	1.09	1.24
	High	QPSK	1.09	1.24
	High	16QAM	1.09	1.23
	High	64QAM	1.09	1.24
3	Low	QPSK	2.7	2.99
	Low	16QAM	2.7	3.0
	Low	64QAM	2.71	3.0
	Mid	QPSK	2.7	3.01
	Mid	16QAM	2.7	3.01
	Mid	64QAM	2.71	2.98
	High	QPSK	2.7	2.98
	High	16QAM	2.7	2.99
	High	64QAM	2.7	3.02
5	Low	QPSK	4.51	5.01
	Low	16QAM	4.51	4.95
	Low	64QAM	4.5	4.96
	Mid	QPSK	4.52	4.98
	Mid	16QAM	4.51	4.98
	Mid	64QAM	4.51	4.96
	High	QPSK	4.49	4.95
	High	16QAM	4.5	4.96
	High	64QAM	4.5	4.97
10	Low	QPSK	8.97	9.76
	Low	16QAM	8.96	9.72
	Low	64QAM	8.96	9.76
	Mid	QPSK	9.0	9.82
	Mid	16QAM	8.98	9.83
	Mid	64QAM	8.99	9.85
	High	QPSK	8.99	9.79
	High	16QAM	8.96	9.7
	High	64QAM	8.96	9.82



LTE Band 13				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.51	4.97
	Low	16QAM	4.5	4.97
	Low	64QAM	4.49	4.96
	Mid	QPSK	4.5	4.96
	Mid	16QAM	4.5	4.92
	Mid	64QAM	4.5	4.93
	High	QPSK	4.52	4.99
	High	16QAM	4.51	5.02
	High	64QAM	4.51	4.98
10	Low	QPSK	9.0	9.79
	Low	16QAM	8.93	9.76
	Low	64QAM	8.98	9.76
	Mid	QPSK	8.97	9.8
	Mid	16QAM	8.93	9.74
	Mid	64QAM	8.95	9.77
	High	QPSK	8.97	9.79
	High	16QAM	8.94	9.78
	High	64QAM	8.96	9.78



LTE Band 17				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.51	4.92
	Low	16QAM	4.51	4.98
	Low	64QAM	4.51	4.96
	Mid	QPSK	4.51	4.99
	Mid	16QAM	4.51	5.0
	Mid	64QAM	4.5	4.96
	High	QPSK	4.5	4.98
	High	16QAM	4.51	4.92
	High	64QAM	4.49	4.94
10	Low	QPSK	9.01	9.8
	Low	16QAM	8.99	9.77
	Low	64QAM	9.01	9.83
	Mid	QPSK	9.01	9.78
	Mid	16QAM	8.96	9.74
	Mid	64QAM	8.99	9.82
	High	QPSK	8.98	9.8
	High	16QAM	8.95	9.74
	High	64QAM	8.97	9.74



LTE Band 25				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.24
	Low	16QAM	1.1	1.24
	Low	64QAM	1.09	1.24
	Mid	QPSK	1.1	1.24
	Mid	16QAM	1.1	1.23
	Mid	64QAM	1.09	1.24
	High	QPSK	1.09	1.24
	High	16QAM	1.1	1.25
	High	64QAM	1.09	1.24
3	Low	QPSK	2.7	3.0
	Low	16QAM	2.7	3.0
	Low	64QAM	2.71	3.01
	Mid	QPSK	2.7	3.0
	Mid	16QAM	2.7	2.99
	Mid	64QAM	2.71	2.99
	High	QPSK	2.71	3.0
	High	16QAM	2.71	3.02
	High	64QAM	2.71	3.01
5	Low	QPSK	4.51	5.01
	Low	16QAM	4.51	4.97
	Low	64QAM	4.49	4.97
	Mid	QPSK	4.5	5.0
	Mid	16QAM	4.51	4.99
	Mid	64QAM	4.5	4.94
	High	QPSK	4.51	4.97
	High	16QAM	4.52	4.99
	High	64QAM	4.52	4.95
10	Low	QPSK	9.0	9.84
	Low	16QAM	8.97	9.75
	Low	64QAM	8.98	9.81
	Mid	QPSK	8.98	9.81
	Mid	16QAM	8.96	9.78
	Mid	64QAM	8.97	9.79
	High	QPSK	8.97	9.72
	High	16QAM	8.92	9.68
	High	64QAM	8.95	9.74



15	Low	QPSK	13.51	14.67
	Low	16QAM	13.46	14.64
	Low	64QAM	13.49	14.63
	Mid	QPSK	13.43	14.54
	Mid	16QAM	13.41	14.63
	Mid	64QAM	13.42	14.59
	High	QPSK	13.34	14.46
	High	16QAM	13.31	14.58
	High	64QAM	13.35	14.56
20	Low	QPSK	18.0	19.47
	Low	16QAM	18.02	19.52
	Low	64QAM	18.02	19.53
	Mid	QPSK	17.89	19.34
	Mid	16QAM	17.88	19.34
	Mid	64QAM	17.89	19.39
	High	QPSK	17.75	19.2
	High	16QAM	17.77	19.18
	High	64QAM	17.76	19.25



LTE Band 26				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.24
	Low	16QAM	1.10	1.24
	Low	64QAM	1.09	1.24
	Mid	QPSK	1.09	1.22
	Mid	16QAM	1.09	1.24
	Mid	64QAM	1.09	1.23
	High	QPSK	1.09	1.23
	High	16QAM	1.10	1.23
	High	64QAM	1.10	1.24
3	Low	QPSK	2.70	3.00
	Low	16QAM	2.70	3.02
	Low	64QAM	2.70	3.00
	Mid	QPSK	2.70	3.00
	Mid	16QAM	2.70	2.99
	Mid	64QAM	2.70	2.99
	High	QPSK	2.70	2.99
	High	16QAM	2.70	3.00
	High	64QAM	2.70	3.00
5	Low	QPSK	4.51	5.00
	Low	16QAM	4.51	5.01
	Low	64QAM	4.51	4.96
	Mid	QPSK	4.51	5.00
	Mid	16QAM	4.50	4.96
	Mid	64QAM	4.50	4.95
	High	QPSK	4.50	4.96
	High	16QAM	4.50	4.95
	High	64QAM	4.50	5.00
10	Low	QPSK	9.03	9.82
	Low	16QAM	9.00	9.82
	Low	64QAM	9.02	9.83
	Mid	QPSK	8.95	9.80
	Mid	16QAM	8.98	9.79
	Mid	64QAM	8.96	9.81
	High	QPSK	9.00	9.81
	High	16QAM	8.99	9.79
	High	64QAM	8.99	9.77



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15	Low	QPSK	13.46	14.63
	Low	16QAM	13.46	14.59
	Low	64QAM	13.49	14.50
	Mid	QPSK	13.40	14.62
	Mid	16QAM	13.40	14.43
	Mid	64QAM	13.39	14.55
	High	QPSK	13.45	14.64
	High	16QAM	13.48	14.55
	High	64QAM	13.45	14.53



LTE Band 41				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.50	4.95
	Low	16QAM	4.51	5.01
	Low	64QAM	4.5	5.11
	Mid	QPSK	4.51	4.99
	Mid	16QAM	4.51	4.95
	Mid	64QAM	4.5	4.92
	High	QPSK	4.5	5.11
	High	16QAM	4.51	4.97
	High	64QAM	4.5	5.14
10	Low	QPSK	8.97	9.68
	Low	16QAM	8.96	9.8
	Low	64QAM	8.97	9.71
	Mid	QPSK	8.97	9.72
	Mid	16QAM	8.97	9.75
	Mid	64QAM	8.98	9.79
	High	QPSK	8.96	9.72
	High	16QAM	8.97	9.75
	High	64QAM	8.97	9.7
15	Low	QPSK	13.46	14.53
	Low	16QAM	13.47	14.6
	Low	64QAM	13.43	14.51
	Mid	QPSK	13.49	14.69
	Mid	16QAM	13.46	14.64
	Mid	64QAM	13.46	14.51
	High	QPSK	13.46	14.6
	High	16QAM	13.45	14.75
	High	64QAM	13.45	14.57
20	Low	QPSK	17.95	19.44
	Low	16QAM	17.9	19.41
	Low	64QAM	17.92	19.46
	Mid	QPSK	17.93	19.43
	Mid	16QAM	17.88	19.41
	Mid	64QAM	17.93	19.38
	High	QPSK	17.87	19.31
	High	16QAM	17.85	19.26
	High	64QAM	17.86	19.28



LTE Band 66				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.24
	Low	16QAM	1.09	1.24
	Low	64QAM	1.09	1.23
	Mid	QPSK	1.09	1.23
	Mid	16QAM	1.09	1.24
	Mid	64QAM	1.09	1.23
	High	QPSK	1.09	1.23
	High	16QAM	1.09	1.23
	High	64QAM	1.09	1.24
1.233	Low	QPSK	2.71	3.00
	Low	16QAM	2.71	3.02
	Low	64QAM	2.71	3.01
	Mid	QPSK	2.72	3.02
	Mid	16QAM	2.70	2.99
	Mid	64QAM	2.71	3.01
	High	QPSK	2.71	3.03
	High	16QAM	2.70	2.99
	High	64QAM	2.71	3.01
5	Low	QPSK	4.52	4.96
	Low	16QAM	4.50	4.95
	Low	64QAM	4.52	4.92
	Mid	QPSK	4.51	4.95
	Mid	16QAM	4.52	4.96
	Mid	64QAM	4.51	4.99
	High	QPSK	4.49	5.01
	High	16QAM	4.52	4.96
	High	64QAM	4.51	4.90
10	Low	QPSK	8.99	9.80
	Low	16QAM	8.99	9.76
	Low	64QAM	8.98	9.78
	Mid	QPSK	9.00	9.83
	Mid	16QAM	8.99	9.81
	Mid	64QAM	9.01	9.84
	High	QPSK	8.99	9.84
	High	16QAM	9.00	9.81
	High	64QAM	9.00	9.82



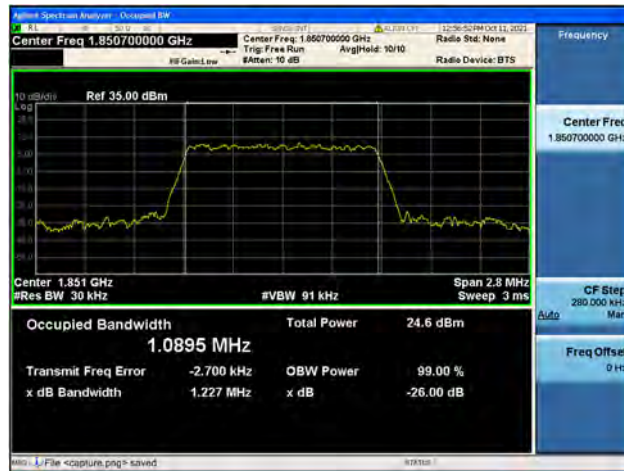
15	Low	QPSK	13.42	14.54
	Low	16QAM	13.44	14.66
	Low	64QAM	13.46	14.57
	Mid	QPSK	13.46	14.72
	Mid	16QAM	13.49	14.59
	Mid	64QAM	13.47	14.62
	High	QPSK	13.48	14.63
	High	16QAM	13.45	14.57
	High	64QAM	13.49	14.61
20	Low	QPSK	17.91	19.39
	Low	16QAM	17.87	19.27
	Low	64QAM	17.88	19.36
	Mid	QPSK	17.99	19.63
	Mid	16QAM	18.02	19.51
	Mid	64QAM	17.97	19.41
	High	QPSK	17.95	19.45
	High	16QAM	17.96	19.50
	High	64QAM	17.97	19.52



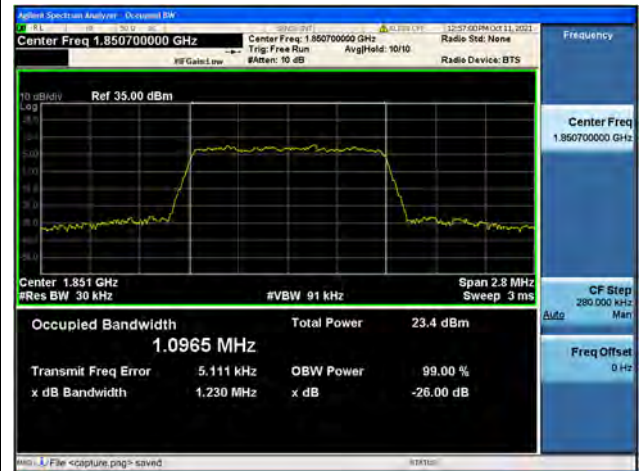
LTE Band 71				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.49	4.93
	Low	16QAM	4.49	4.95
	Low	64QAM	4.49	4.96
	Mid	QPSK	4.51	4.97
	Mid	16QAM	4.51	4.97
	Mid	64QAM	4.51	4.98
	High	QPSK	4.52	4.97
	High	16QAM	4.51	4.93
	High	64QAM	4.52	4.98
10	Low	QPSK	8.95	9.68
	Low	16QAM	8.93	9.71
	Low	64QAM	8.95	9.73
	Mid	QPSK	8.95	9.74
	Mid	16QAM	8.94	9.71
	Mid	64QAM	8.95	9.78
	High	QPSK	9.01	9.84
	High	16QAM	9.02	9.83
	High	64QAM	9.00	9.80
15	Low	QPSK	13.48	14.65
	Low	16QAM	13.47	14.59
	Low	64QAM	13.47	14.56
	Mid	QPSK	13.36	14.46
	Mid	16QAM	13.35	14.44
	Mid	64QAM	13.35	14.42
	High	QPSK	13.55	14.66
	High	16QAM	13.52	14.62
	High	64QAM	13.56	14.58
20	Low	QPSK	17.94	19.41
	Low	16QAM	17.96	19.35
	Low	64QAM	17.98	19.49
	Mid	QPSK	17.83	19.42
	Mid	16QAM	17.85	19.21
	Mid	64QAM	17.84	19.42
	High	QPSK	18.01	19.39
	High	16QAM	18.01	19.56
	High	64QAM	18.02	19.54



Band2 / 1.4MHz / Low CH / QPSK



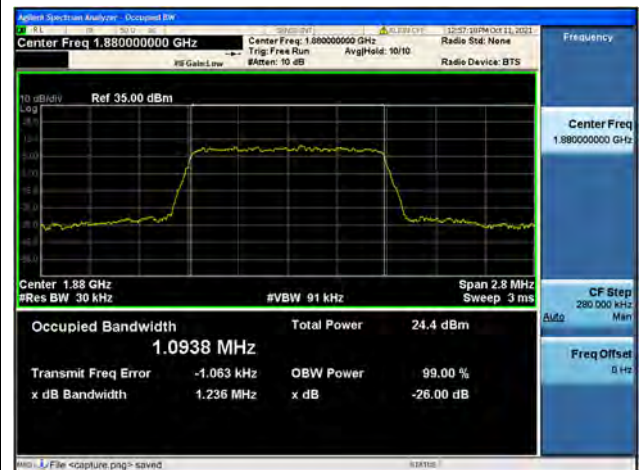
Band2 / 1.4MHz / Low CH / 16QAM



Band2 / 1.4MHz / Low CH / 64QAM



Band2 / 1.4MHz / Mid CH / QPSK



Band2 / 1.4MHz / Mid CH / 16QAM

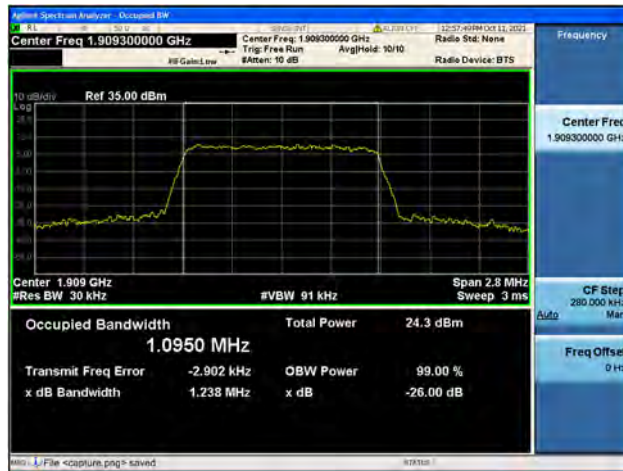


Band2 / 1.4MHz / Mid CH / 64QAM

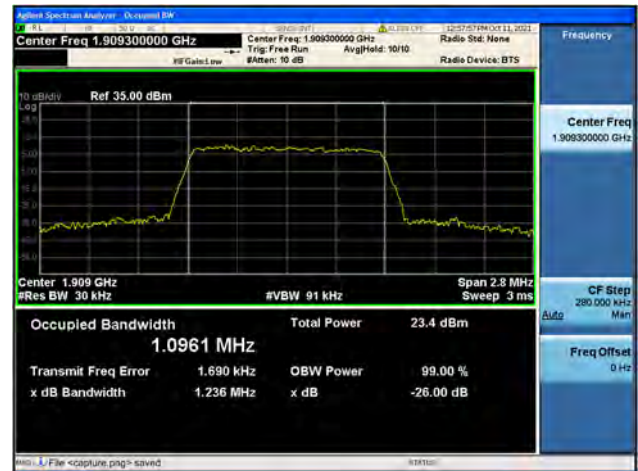




Band2 / 1.4MHz / High CH / QPSK



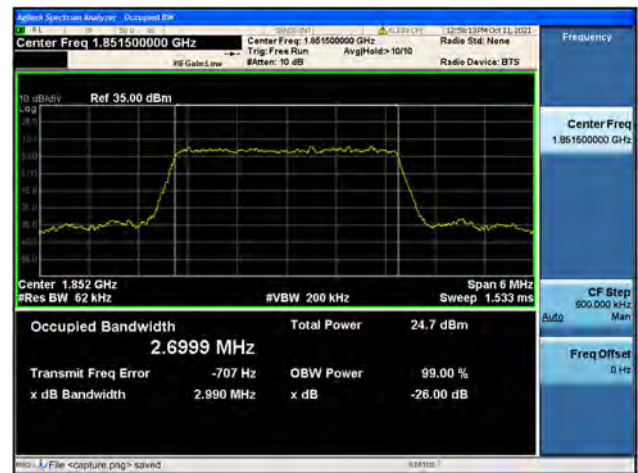
Band2 / 1.4MHz / High CH / 16QAM



Band2 / 1.4MHz / High CH / 64QAM



Band2 / 3MHz / Low CH / QPSK



Band2 / 3MHz / Low CH / 16QAM

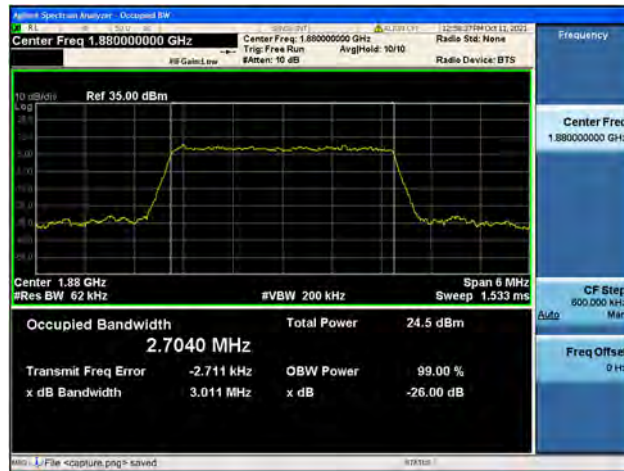


Band2 / 3MHz / Low CH / 64QAM

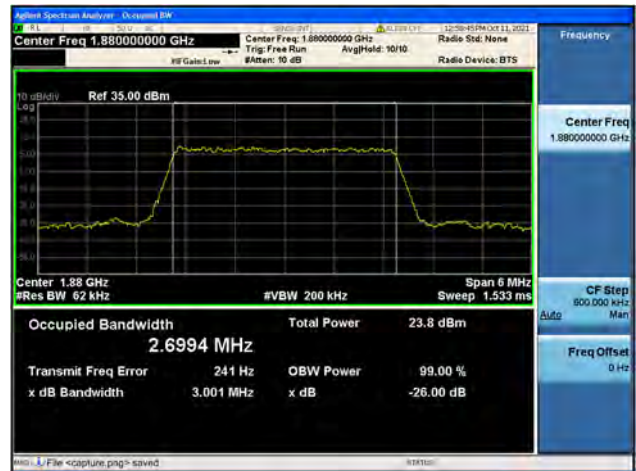




Band2 / 3MHz / Mid CH / QPSK



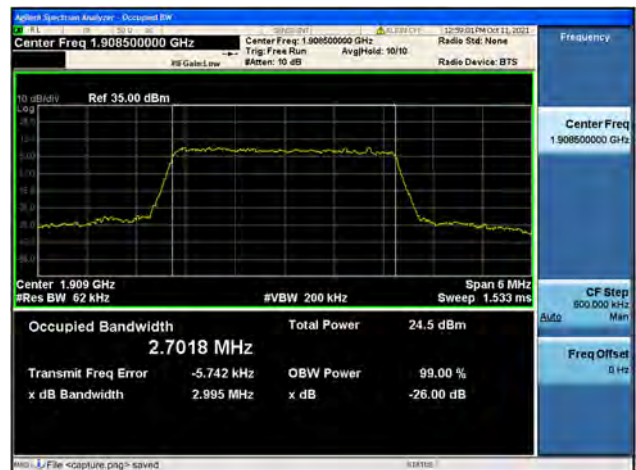
Band2 / 3MHz / Mid CH / 16QAM



Band2 / 3MHz / Mid CH / 64QAM



Band2 / 3MHz / High CH / QPSK



Band2 / 3MHz / High CH / 16QAM

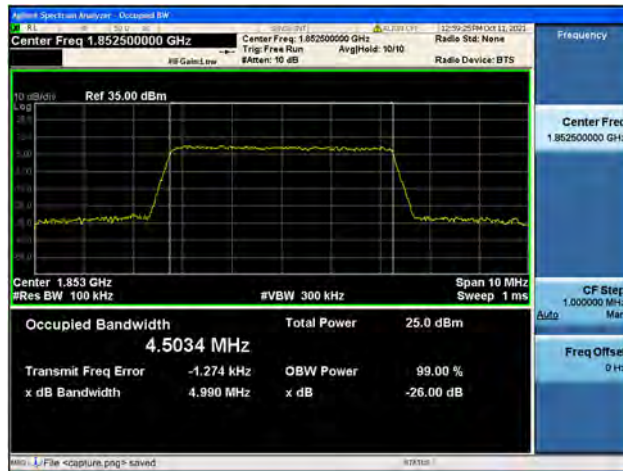


Band2 / 3MHz / High CH / 64QAM

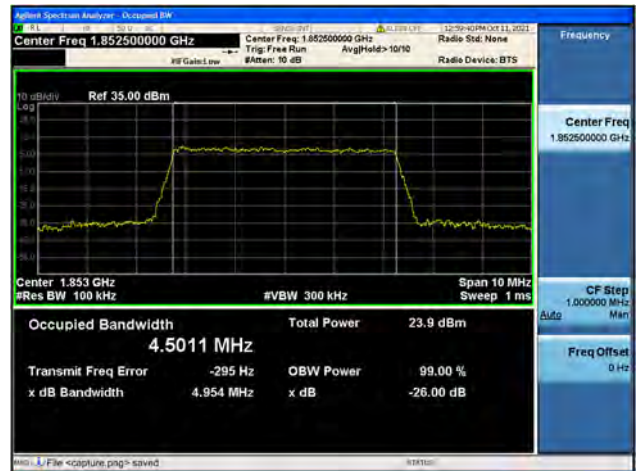




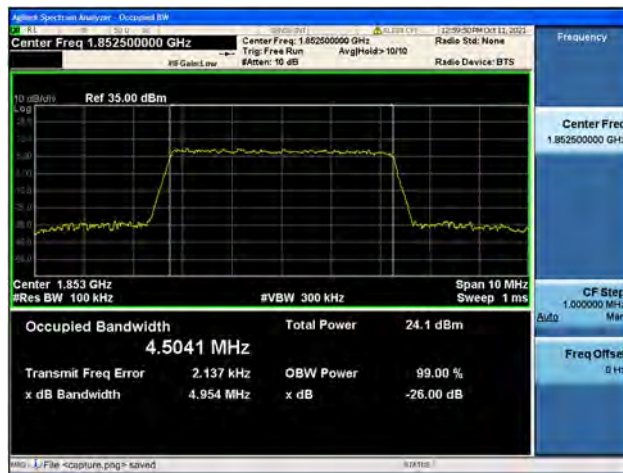
Band2 / 5MHz / Low CH / QPSK



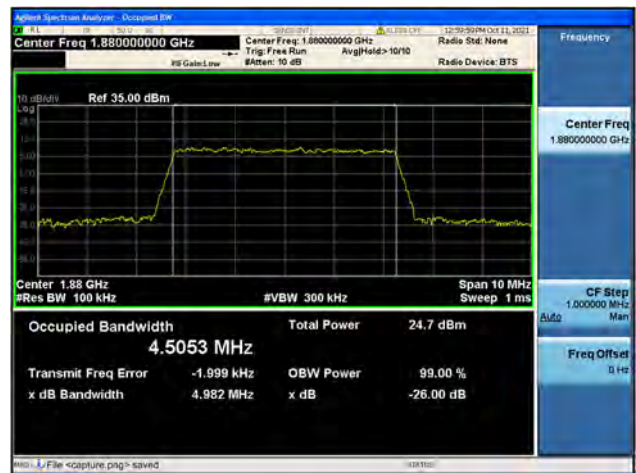
Band2 / 5MHz / Low CH / 16QAM



Band2 / 5MHz / Low CH / 64QAM



Band2 / 5MHz / Mid CH / QPSK



Band2 / 5MHz / Mid CH / 16QAM

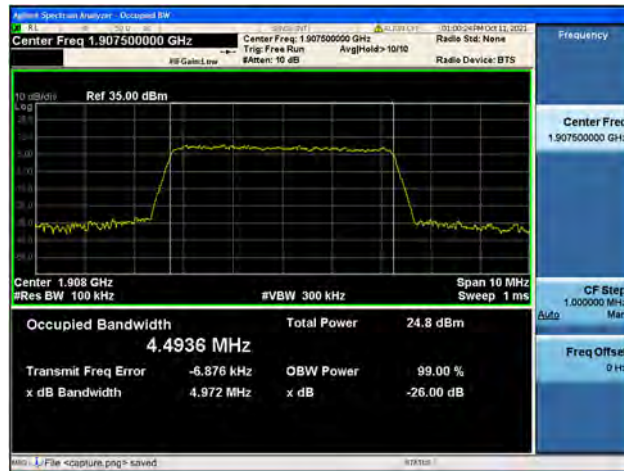


Band2 / 5MHz / Mid CH / 64QAM

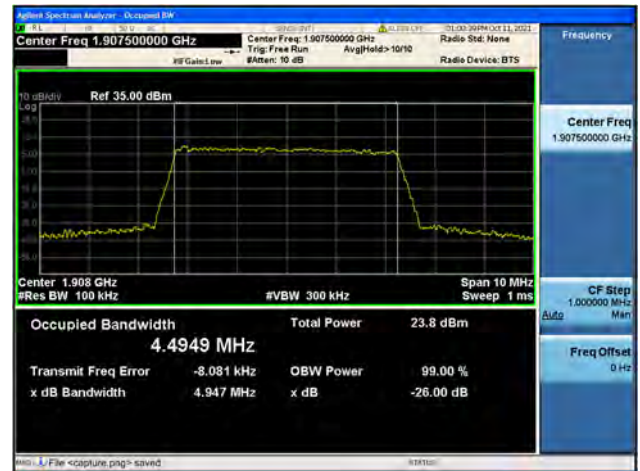




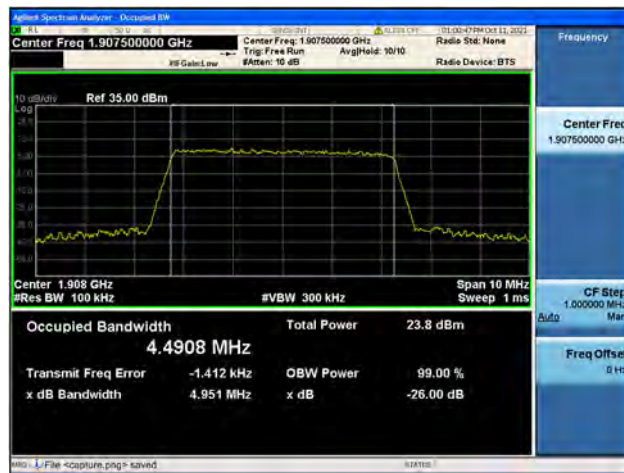
Band2 / 5MHz / High CH / QPSK



Band2 / 5MHz / High CH / 16QAM



Band2 / 5MHz / High CH / 64QAM



Band2 / 10MHz / Low CH / QPSK



Band2 / 10MHz / Low CH / 16QAM

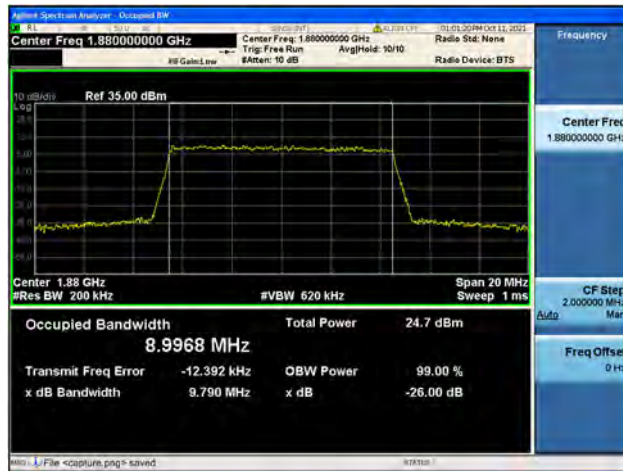


Band2 / 10MHz / Low CH / 64QAM

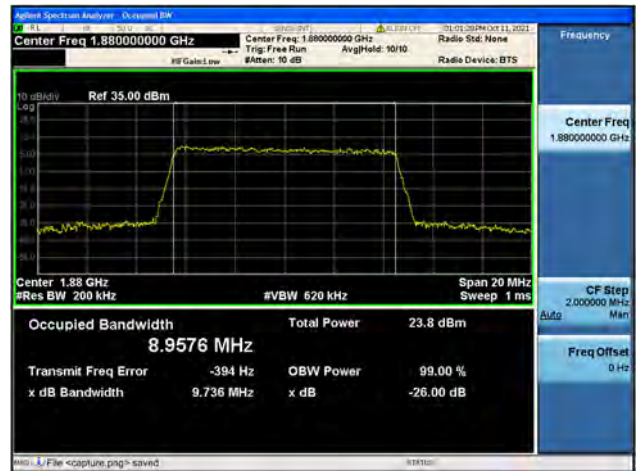




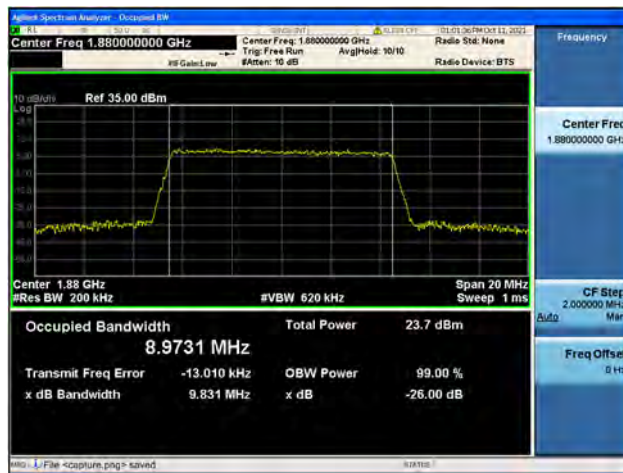
Band2 / 10MHz / Mid CH / QPSK



Band2 / 10MHz / Mid CH / 16QAM



Band2 / 10MHz / Mid CH / 64QAM



Band2 / 10MHz / High CH / QPSK



Band2 / 10MHz / High CH / 16QAM

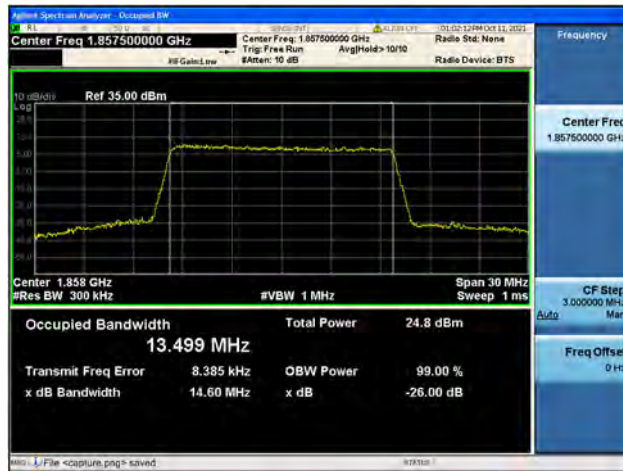


Band2 / 10MHz / High CH / 64QAM

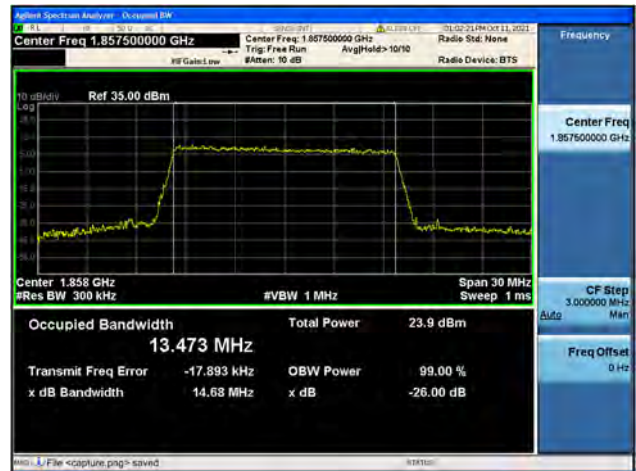




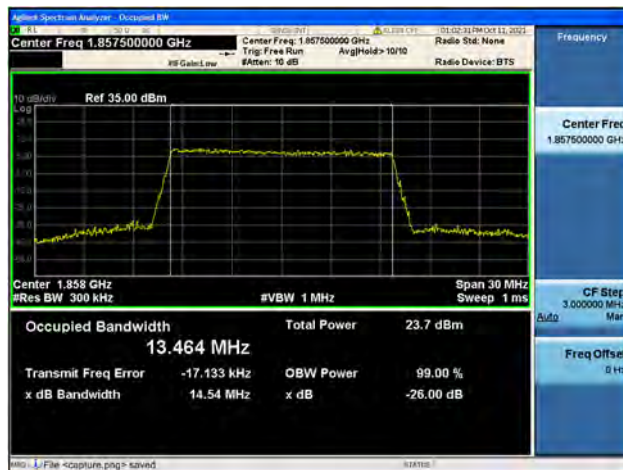
Band2 / 15MHz / Low CH / QPSK



Band2 / 15MHz / Low CH / 16QAM



Band2 / 15MHz / Low CH / 64QAM



Band2 / 15MHz / Mid CH / QPSK



Band2 / 15MHz / Mid CH / 16QAM



Band2 / 15MHz / Mid CH / 64QAM



Band2 / 15MHz / High CH / QPSK



Band2 / 15MHz / High CH / 16QAM



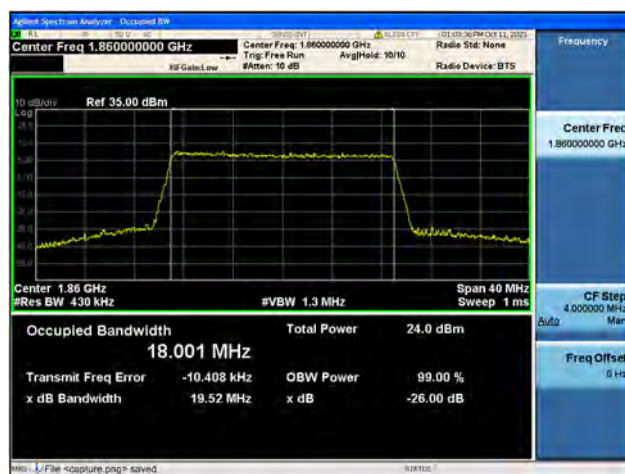
Band2 / 15MHz / High CH / 64QAM



Band2 / 20MHz / Low CH / QPSK



Band2 / 20MHz / Low CH / 16QAM



Band2 / 20MHz / Low CH / 64QAM





Band2 / 20MHz / Mid CH / QPSK



Band2 / 20MHz / Mid CH / 16QAM



Band2 / 20MHz / Mid CH / 64QAM



Band2 / 20MHz / High CH / QPSK



Band2 / 20MHz / High CH / 16QAM

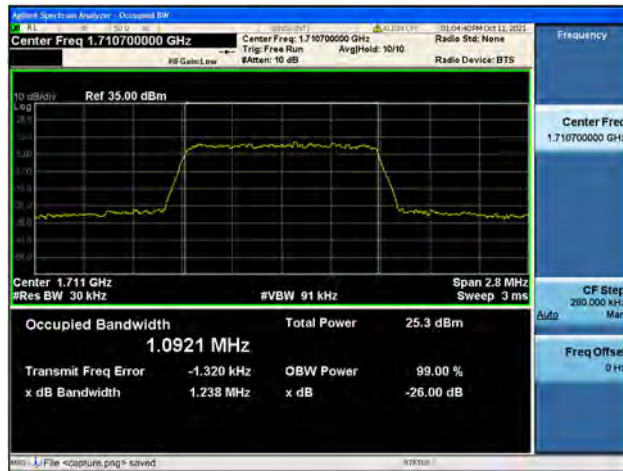


Band2 / 20MHz / High CH / 64QAM





Band4 / 1.4MHz / Low CH / QPSK



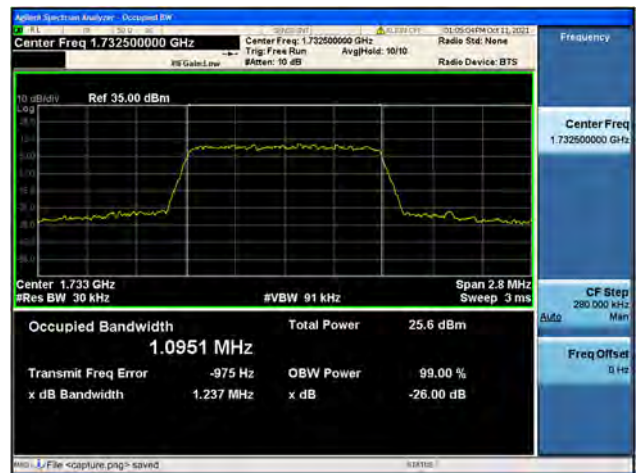
Band4 / 1.4MHz / Low CH / 16QAM



Band4 / 1.4MHz / Low CH / 64QAM



Band4 / 1.4MHz / Mid CH / QPSK



Band4 / 1.4MHz / Mid CH / 16QAM



Band4 / 1.4MHz / Mid CH / 64QAM





Band4 / 1.4MHz / High CH / QPSK



Band4 / 1.4MHz / High CH / 16QAM



Band4 / 1.4MHz / High CH / 64QAM



Band4 / 3MHz / Low CH / QPSK



Band4 / 3MHz / Low CH / 16QAM

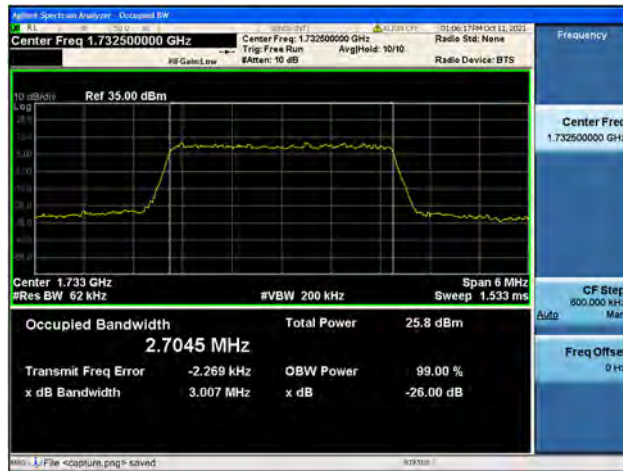


Band4 / 3MHz / Low CH / 64QAM





Band4 / 3MHz / Mid CH / QPSK



Band4 / 3MHz / Mid CH / 16QAM



Band4 / 3MHz / Mid CH / 64QAM



Band4 / 3MHz / High CH / QPSK



Band4 / 3MHz / High CH / 16QAM

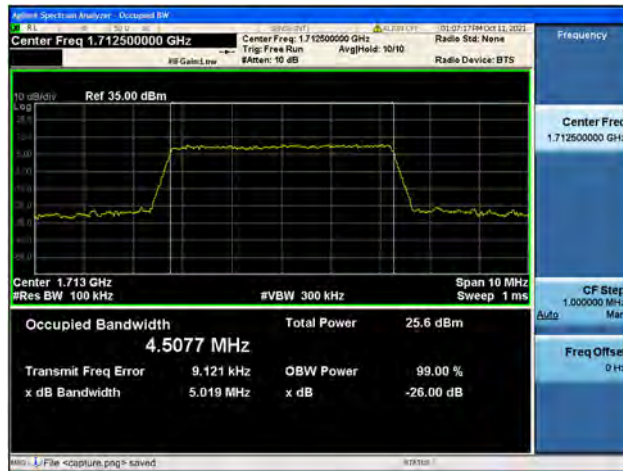


Band4 / 3MHz / High CH / 64QAM

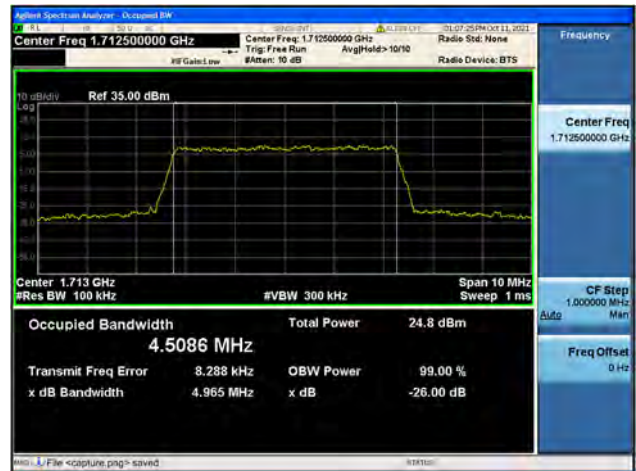




Band4 / 5MHz / Low CH / QPSK



Band4 / 5MHz / Low CH / 16QAM



Band4 / 5MHz / Low CH / 64QAM



Band4 / 5MHz / Mid CH / QPSK



Band4 / 5MHz / Mid CH / 16QAM

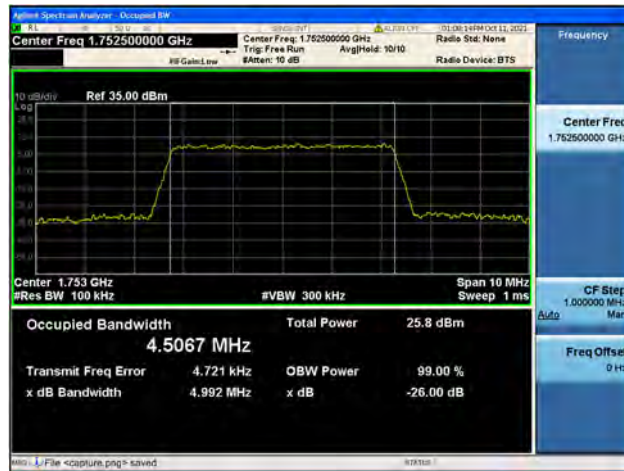


Band4 / 5MHz / Mid CH / 64QAM

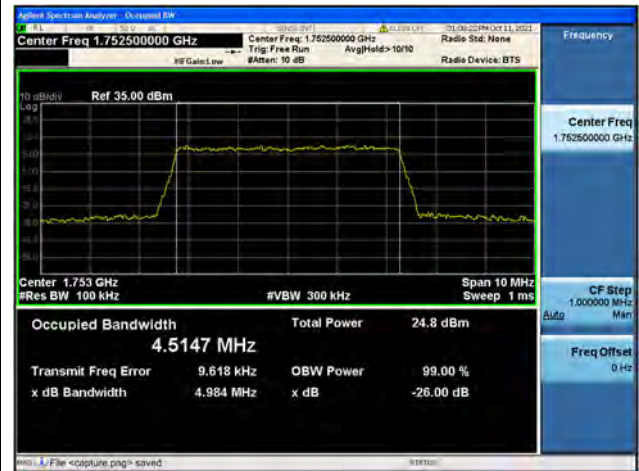




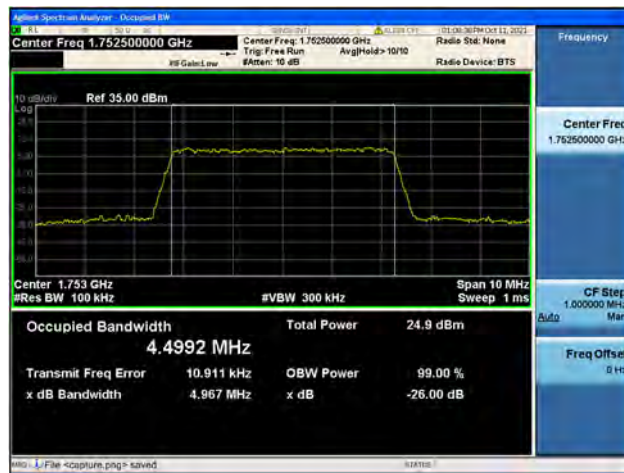
Band4 / 5MHz / High CH / QPSK



Band4 / 5MHz / High CH / 16QAM



Band4 / 5MHz / High CH / 64QAM



Band4 / 10MHz / Low CH / QPSK



Band4 / 10MHz / Low CH / 16QAM

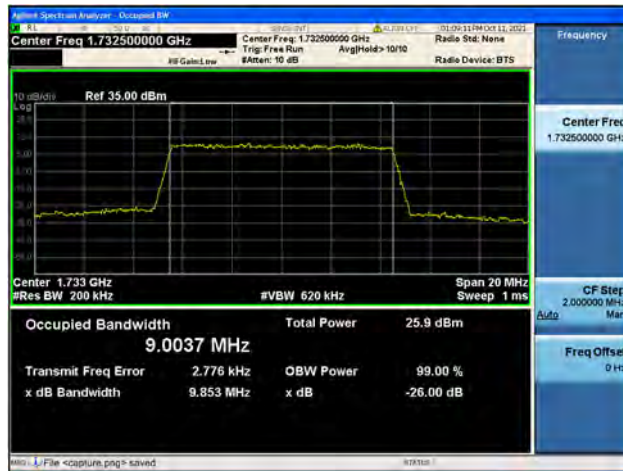


Band4 / 10MHz / Low CH / 64QAM

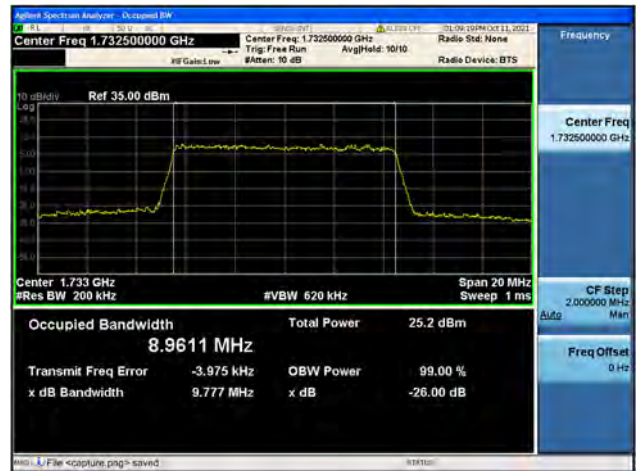




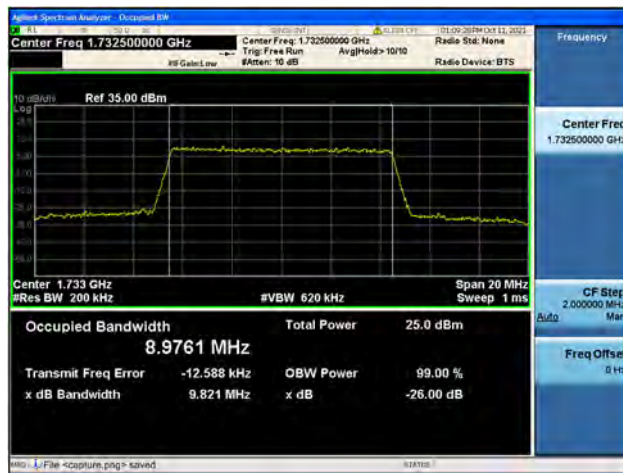
Band4 / 10MHz / Mid CH / QPSK



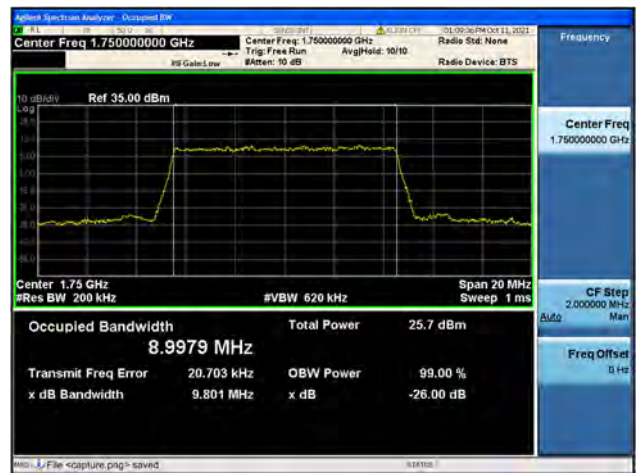
Band4 / 10MHz / Mid CH / 16QAM



Band4 / 10MHz / Mid CH / 64QAM



Band4 / 10MHz / High CH / QPSK



Band4 / 10MHz / High CH / 16QAM

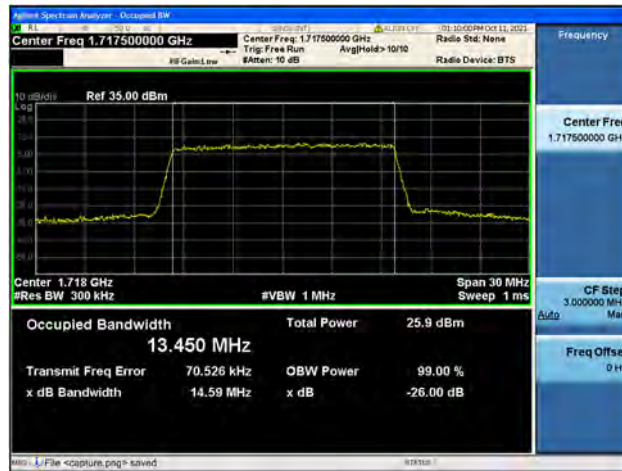


Band4 / 10MHz / High CH / 64QAM

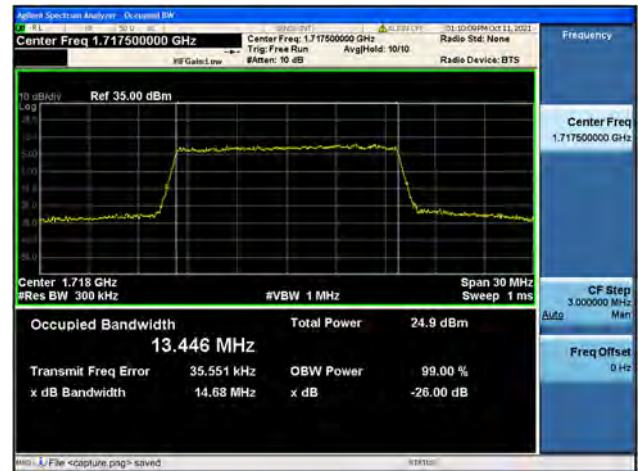




Band4 / 15MHz / Low CH / QPSK



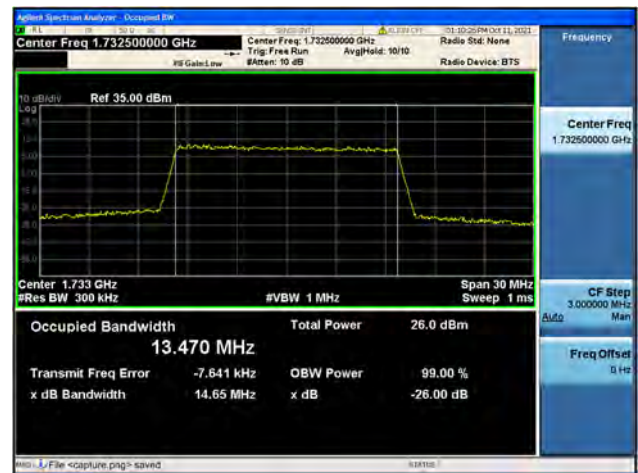
Band4 / 15MHz / Low CH / 16QAM



Band4 / 15MHz / Low CH / 64QAM



Band4 / 15MHz / Mid CH / QPSK



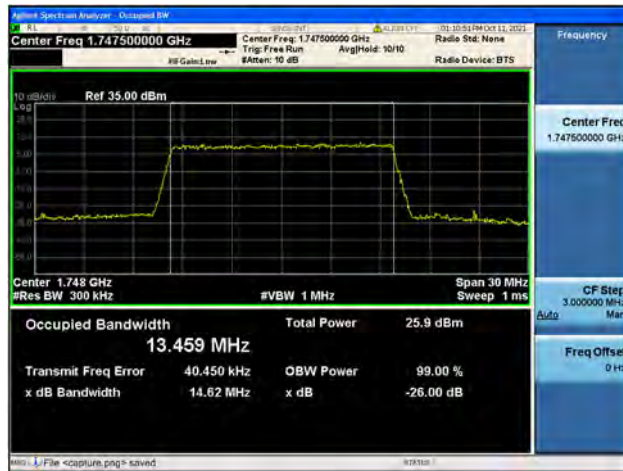
Band4 / 15MHz / Mid CH / 16QAM



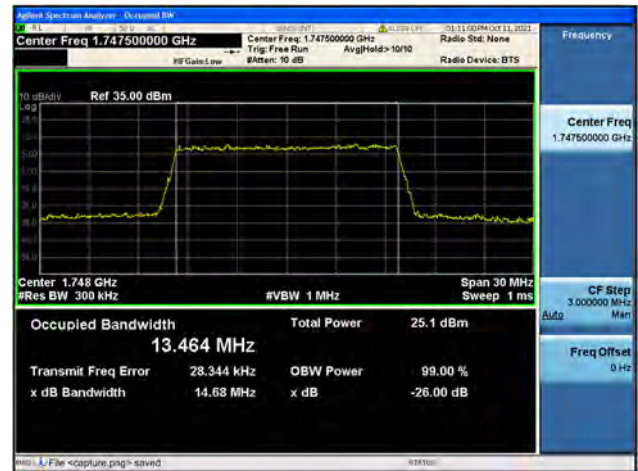
Band4 / 15MHz / Mid CH / 64QAM



Band4 / 15MHz / High CH / QPSK



Band4 / 15MHz / High CH / 16QAM



Band4 / 15MHz / High CH / 64QAM



Band4 / 20MHz / Low CH / QPSK



Band4 / 20MHz / Low CH / 16QAM



Band4 / 20MHz / Low CH / 64QAM





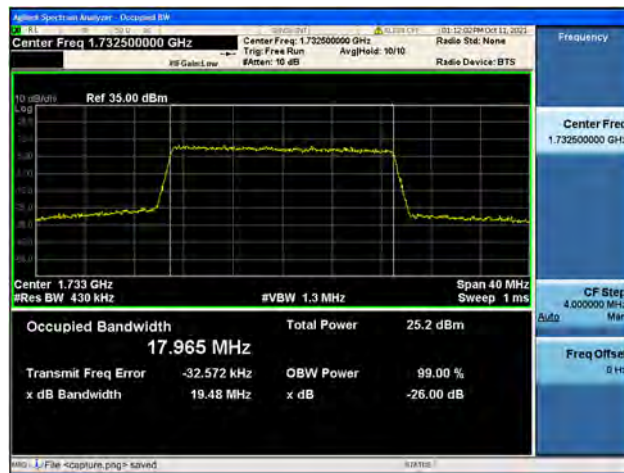
Band4 / 20MHz / Mid CH / QPSK



Band4 / 20MHz / Mid CH / 16QAM



Band4 / 20MHz / Mid CH / 64QAM



Band4 / 20MHz / High CH / QPSK



Band4 / 20MHz / High CH / 16QAM

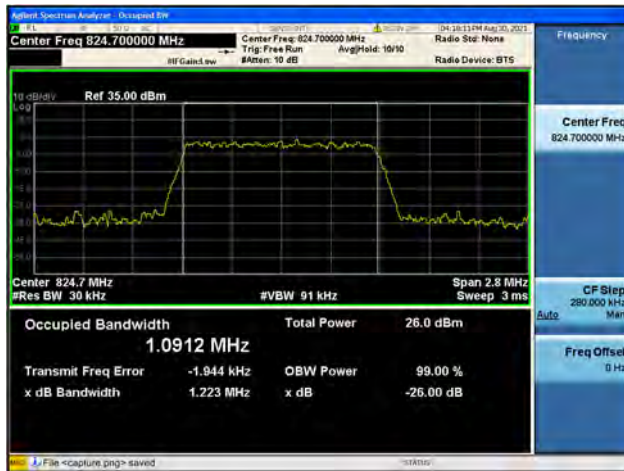


Band4 / 20MHz / High CH / 64QAM

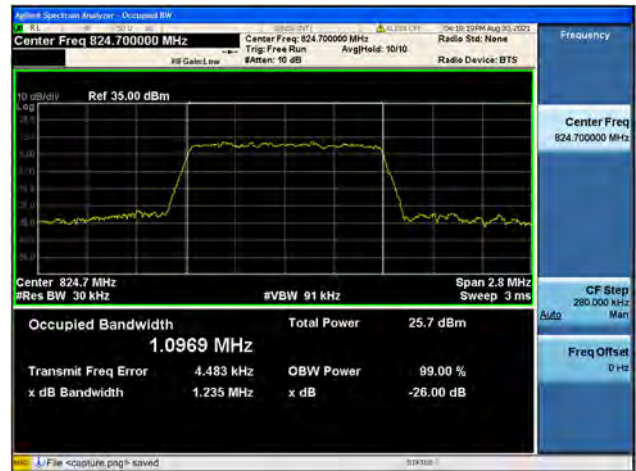




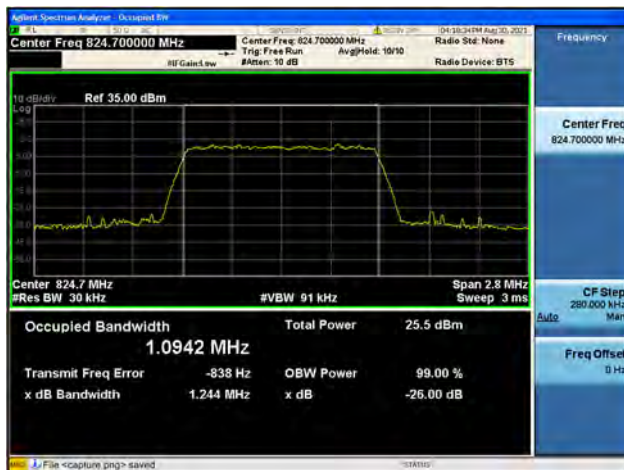
Band5 / 1.4MHz / Low CH / QPSK



Band5 / 1.4MHz / Low CH / 16QAM



Band5 / 1.4MHz / Low CH / 64QAM



Band5 / 1.4MHz / Mid CH / QPSK



Band5 / 1.4MHz / Mid CH / 16QAM

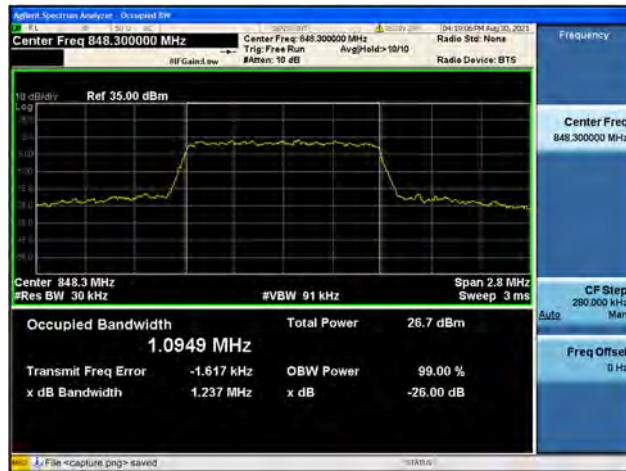


Band5 / 1.4MHz / Mid CH / 64QAM

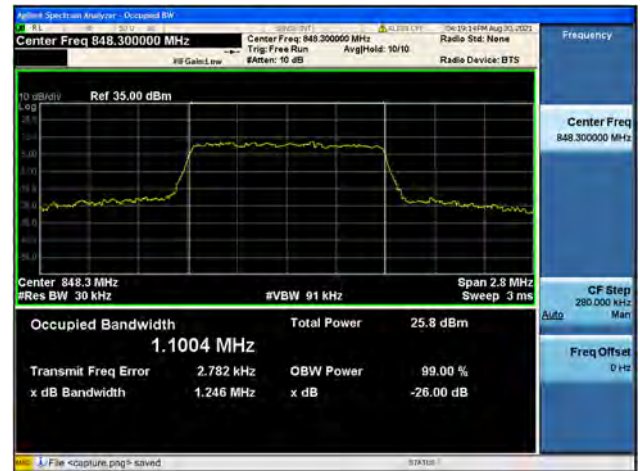




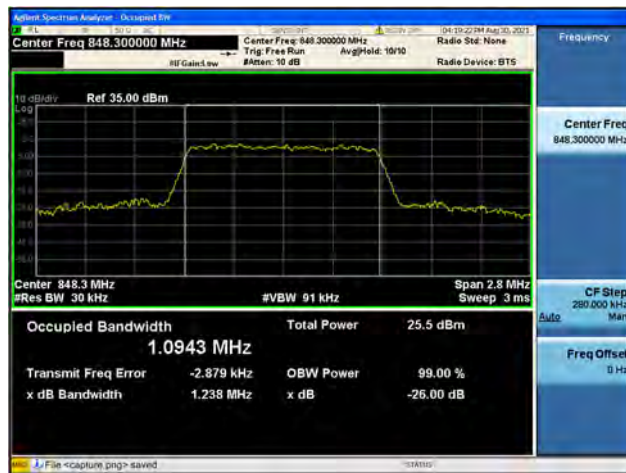
Band5 / 1.4MHz / High CH / QPSK



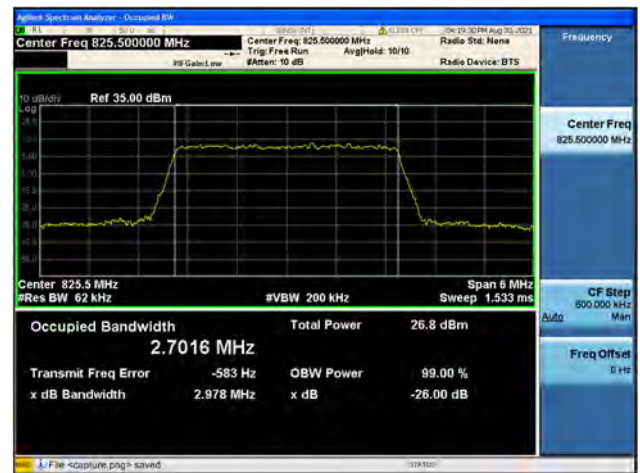
Band5 / 1.4MHz / High CH / 16QAM



Band5 / 1.4MHz / High CH / 64QAM



Band5 / 3MHz / Low CH / QPSK



Band5 / 3MHz / Low CH / 16QAM

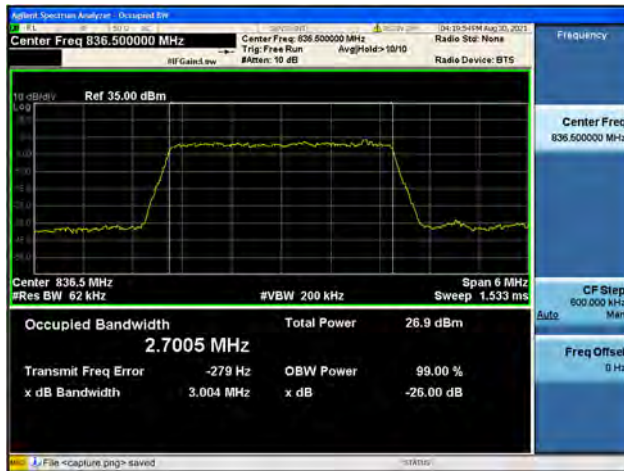


Band5 / 3MHz / Low CH / 64QAM

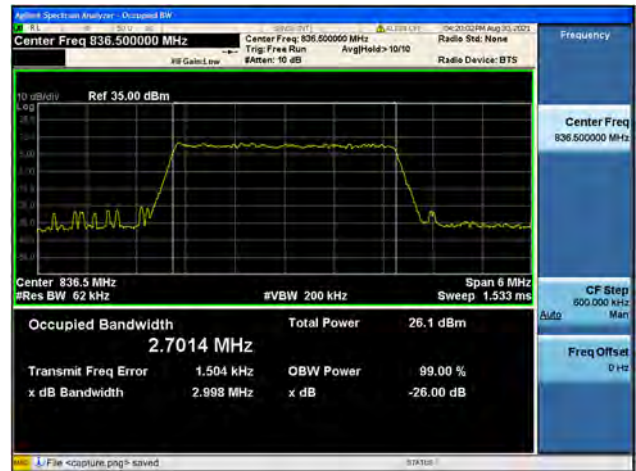




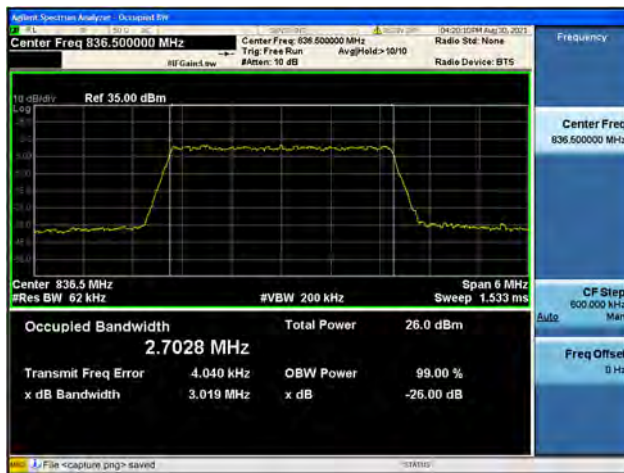
Band5 / 3MHz / Mid CH / QPSK



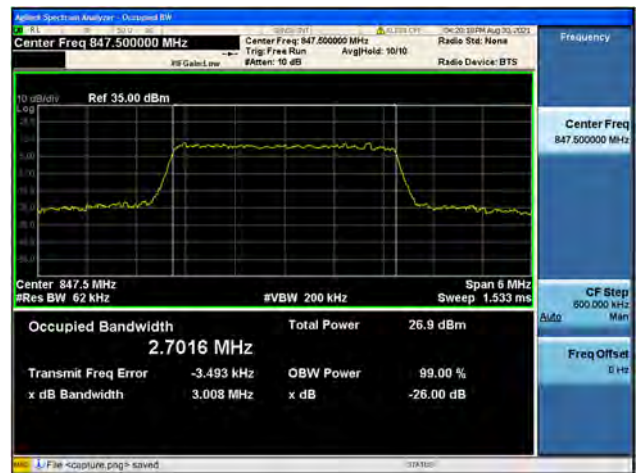
Band5 / 3MHz / Mid CH / 16QAM



Band5 / 3MHz / Mid CH / 64QAM



Band5 / 3MHz / High CH / QPSK



Band5 / 3MHz / High CH / 16QAM

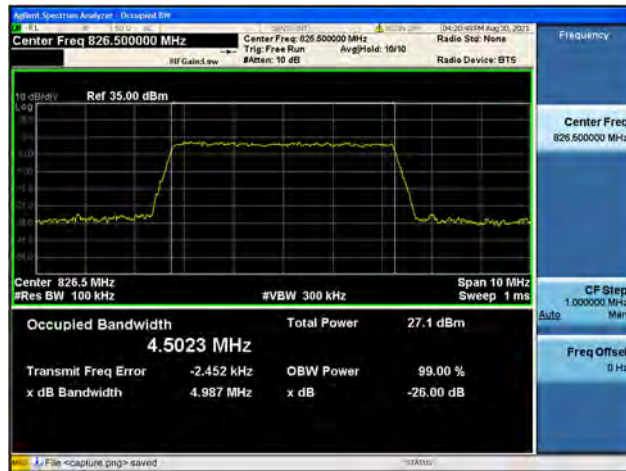


Band5 / 3MHz / High CH / 64QAM

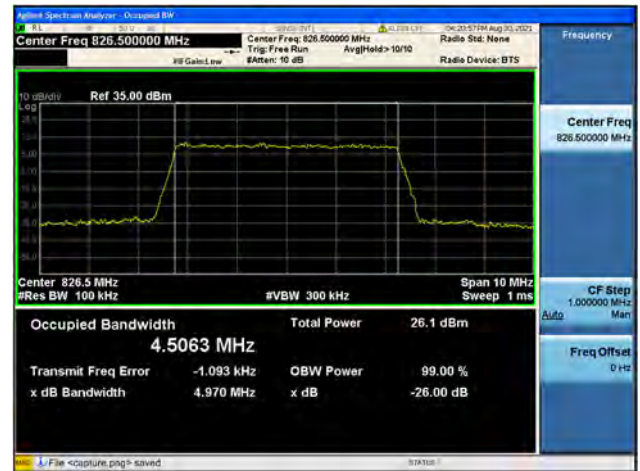




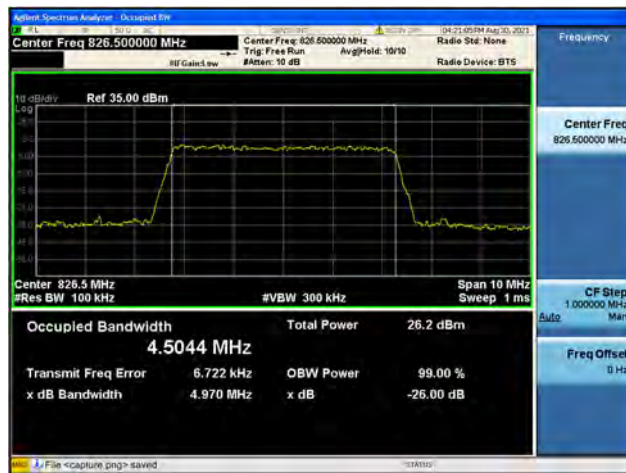
Band5 / 5MHz / Low CH / QPSK



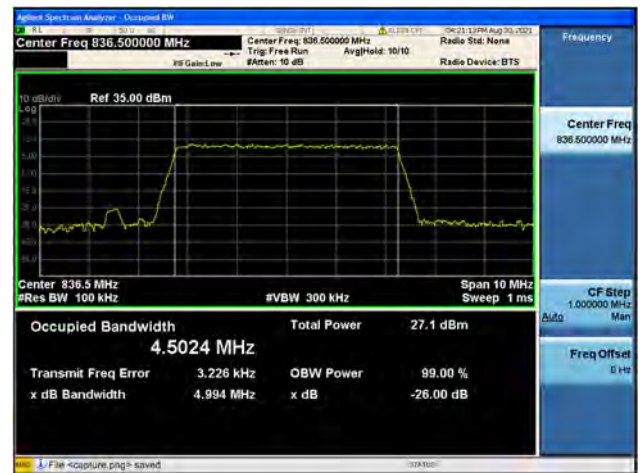
Band5 / 5MHz / Low CH / 16QAM



Band5 / 5MHz / Low CH / 64QAM



Band5 / 5MHz / Mid CH / QPSK



Band5 / 5MHz / Mid CH / 16QAM

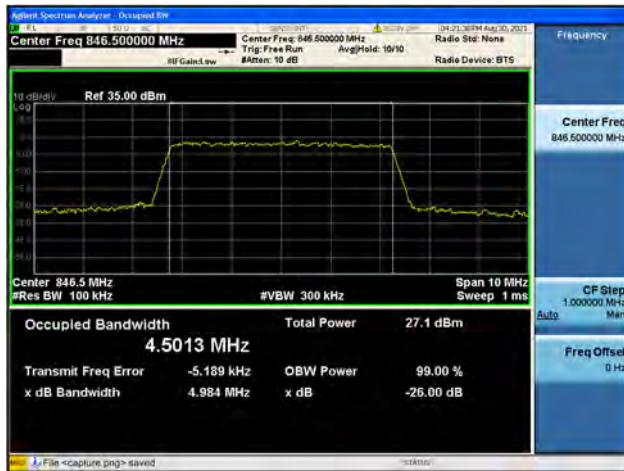


Band5 / 5MHz / Mid CH / 64QAM

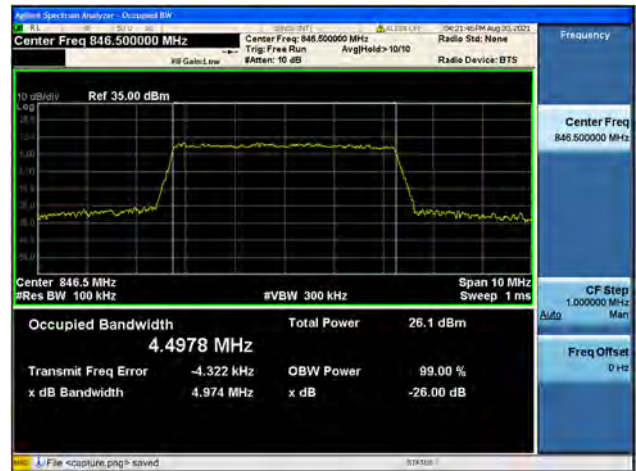




Band5 / 5MHz / High CH / QPSK



Band5 / 5MHz / High CH / 16QAM



Band5 / 5MHz / High CH / 64QAM



Band5 / 10MHz / Low CH / QPSK



Band5 / 10MHz / Low CH / 16QAM

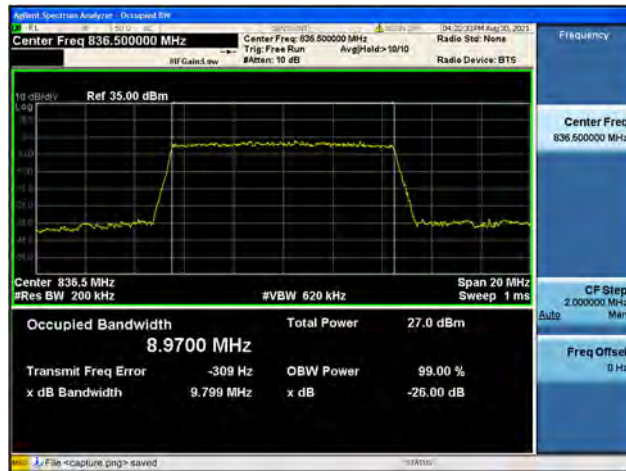


Band5 / 10MHz / Low CH / 64QAM

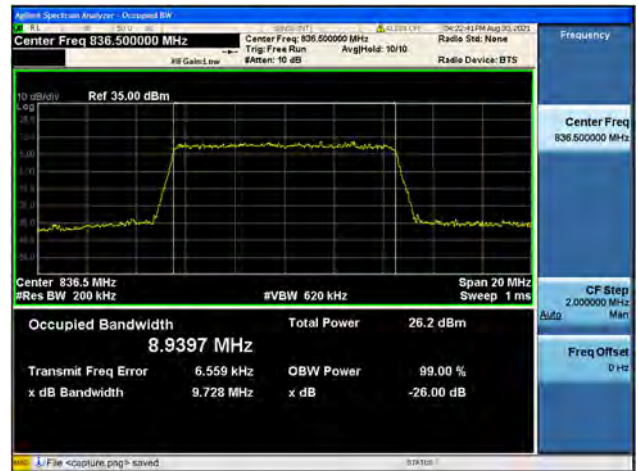




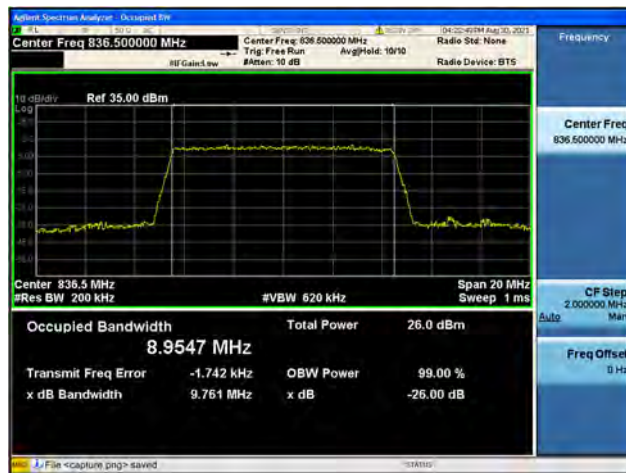
Band5 / 10MHz / Mid CH / QPSK



Band5 / 10MHz / Mid CH / 16QAM



Band5 / 10MHz / Mid CH / 64QAM



Band5 / 10MHz / High CH / QPSK



Band5 / 10MHz / High CH / 16QAM

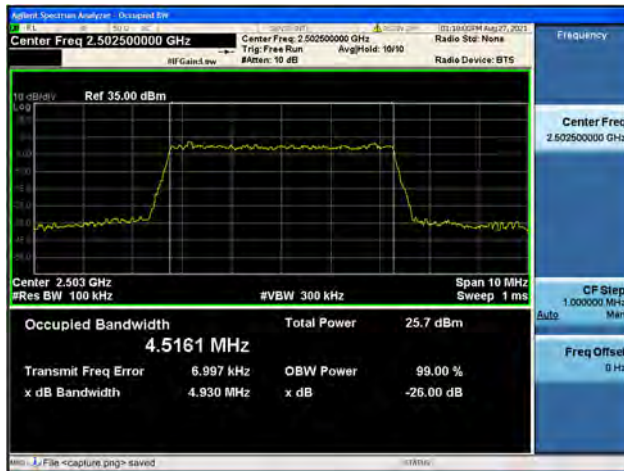


Band5 / 10MHz / High CH / 64QAM

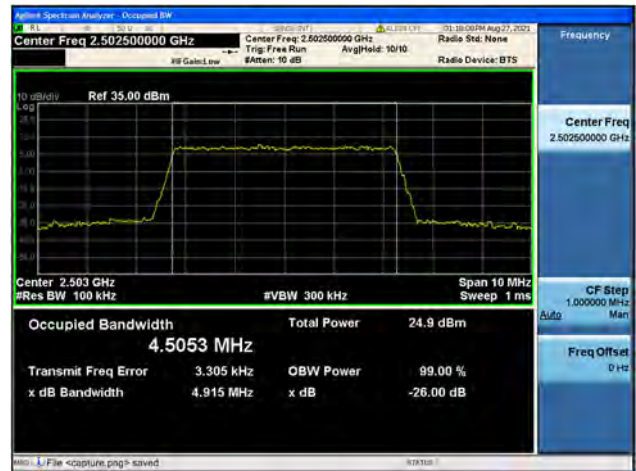




Band7 / 5MHz / Low CH / QPSK



Band7 / 5MHz / Low CH / 16QAM



Band7 / 5MHz / Low CH / 64QAM



Band7 / 5MHz / Mid CH / QPSK



Band7 / 5MHz / Mid CH / 16QAM

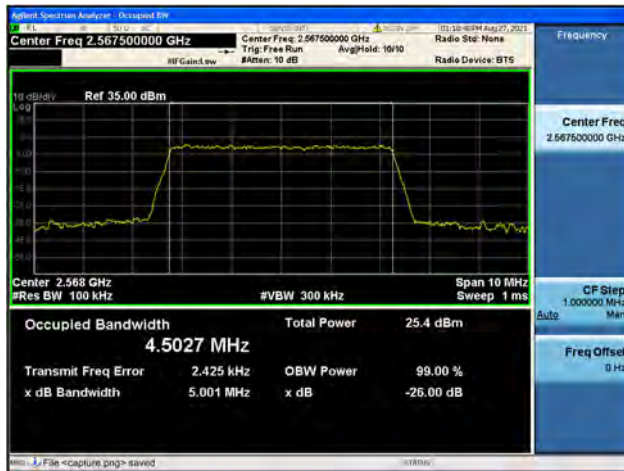


Band7 / 5MHz / Mid CH / 64QAM

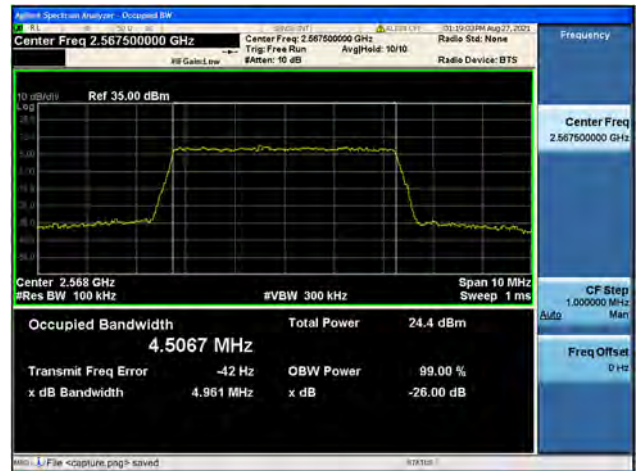




Band7 / 5MHz / High CH / QPSK



Band7 / 5MHz / High CH / 16QAM



Band7 / 5MHz / High CH / 64QAM



Band7 / 10MHz / Low CH / QPSK



Band7 / 10MHz / Low CH / 16QAM

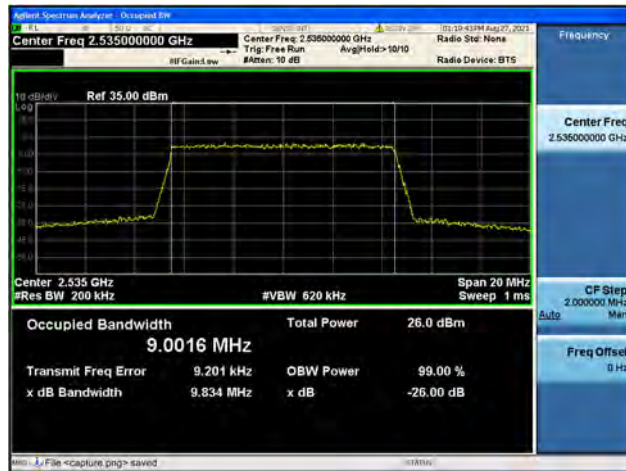


Band7 / 10MHz / Low CH / 64QAM

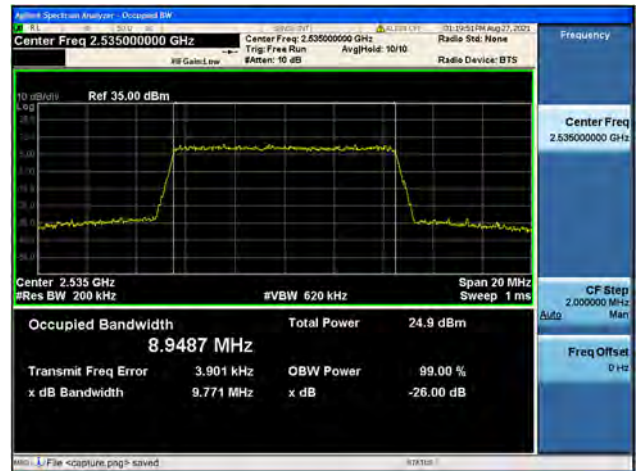




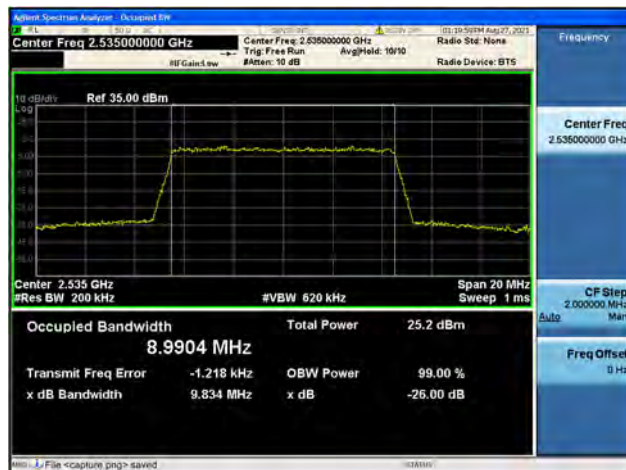
Band7 / 10MHz / Mid CH / QPSK



Band7 / 10MHz / Mid CH / 16QAM



Band7 / 10MHz / Mid CH / 64QAM



Band7 / 10MHz / High CH / QPSK



Band7 / 10MHz / High CH / 16QAM

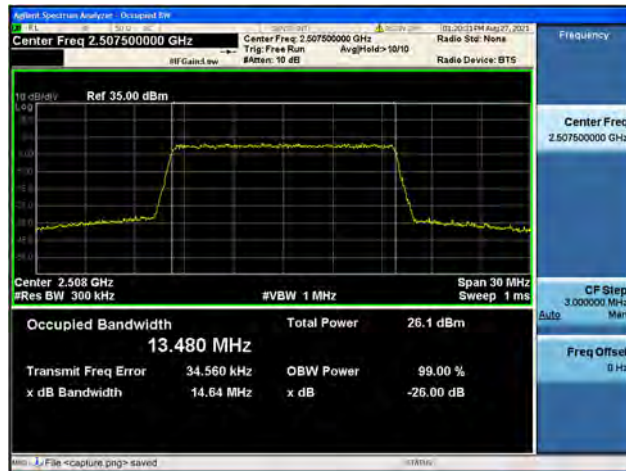


Band7 / 10MHz / High CH / 64QAM

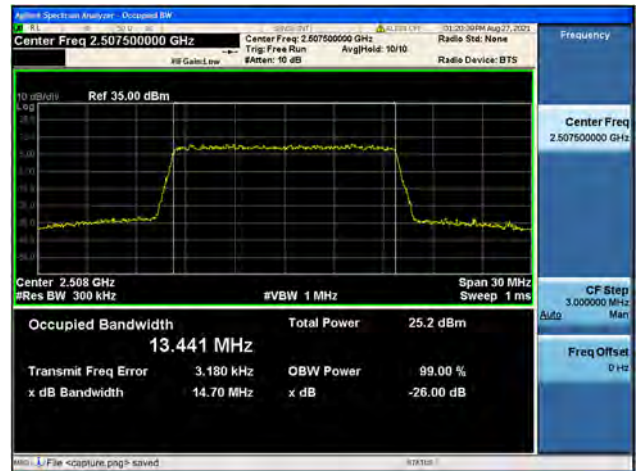




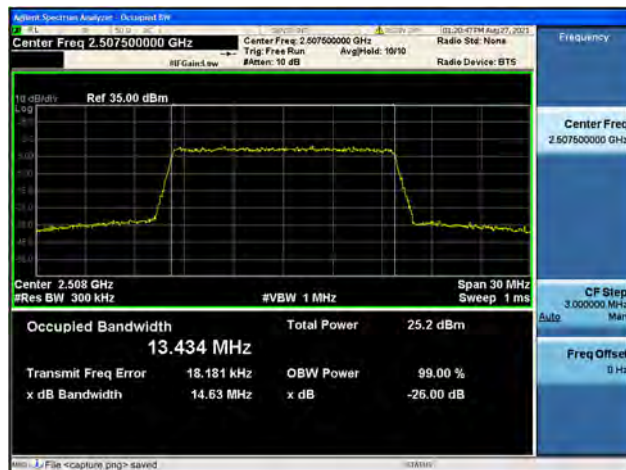
Band7 / 15MHz / Low CH / QPSK



Band7 / 15MHz / Low CH / 16QAM



Band7 / 15MHz / Low CH / 64QAM



Band7 / 15MHz / Mid CH / QPSK



Band7 / 15MHz / Mid CH / 16QAM

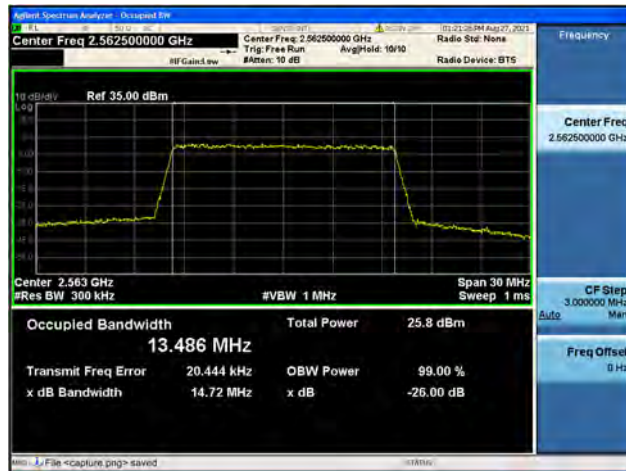


Band7 / 15MHz / Mid CH / 64QAM





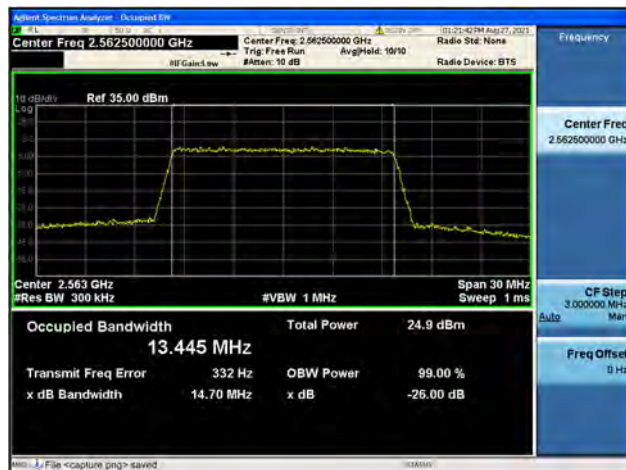
Band7 / 15MHz / High CH / QPSK



Band7 / 15MHz / High CH / 16QAM



Band7 / 15MHz / High CH / 64QAM



Band7 / 20MHz / Low CH / QPSK



Band7 / 20MHz / Low CH / 16QAM



Band7 / 20MHz / Low CH / 64QAM





Band7 / 20MHz / Mid CH / QPSK



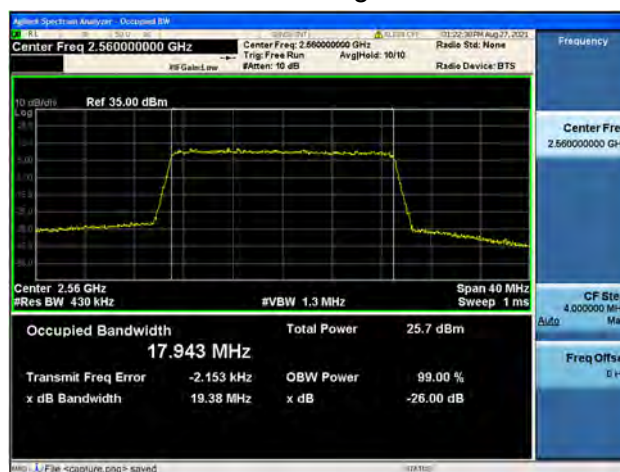
Band7 / 20MHz / Mid CH / 16QAM



Band7 / 20MHz / Mid CH / 64QAM



Band7 / 20MHz / High CH / QPSK



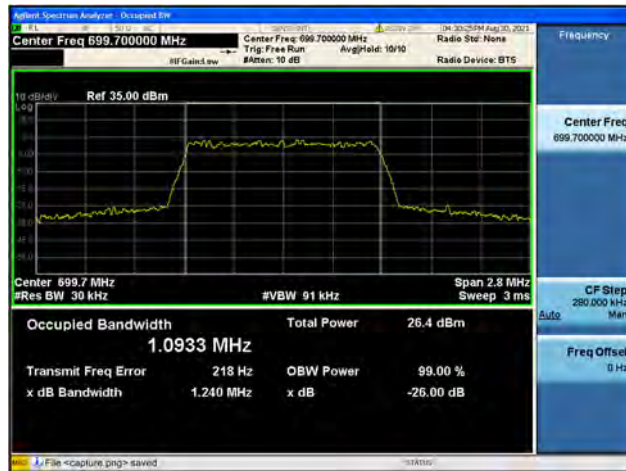
Band7 / 20MHz / High CH / 16QAM



Band7 / 20MHz / High CH / 64QAM



Band12 / 1.4MHz / Low CH / QPSK



Band12 / 1.4MHz / Low CH / 16QAM



Band12 / 1.4MHz / Low CH / 64QAM



Band12 / 1.4MHz / Mid CH / QPSK



Band12 / 1.4MHz / Mid CH / 16QAM

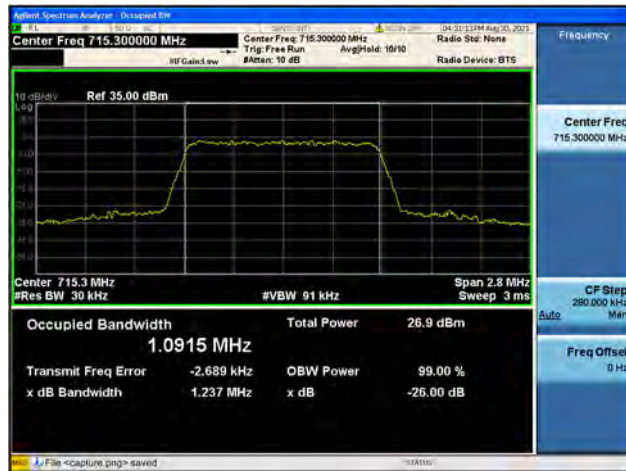


Band12 / 1.4MHz / Mid CH / 64QAM

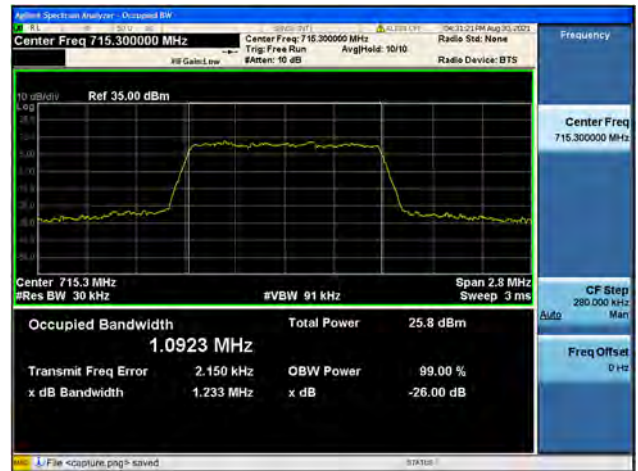




Band12 / 1.4MHz / High CH / QPSK



Band12 / 1.4MHz / High CH / 16QAM



Band12 / 1.4MHz / High CH / 64QAM



Band12 / 3MHz / Low CH / QPSK



Band12 / 3MHz / Low CH / 16QAM



Band12 / 3MHz / Low CH / 64QAM

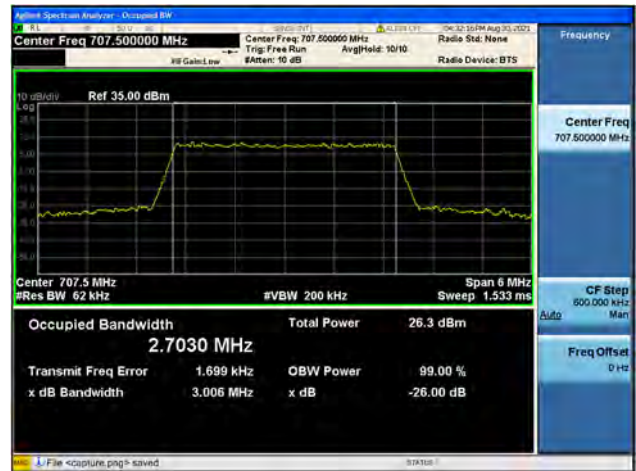




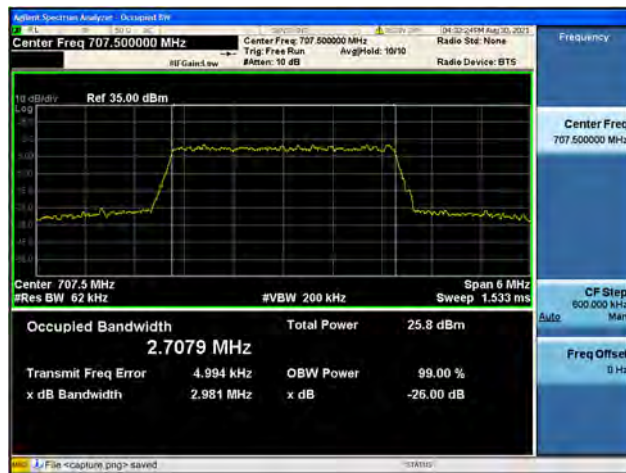
Band12 / 3MHz / Mid CH / QPSK



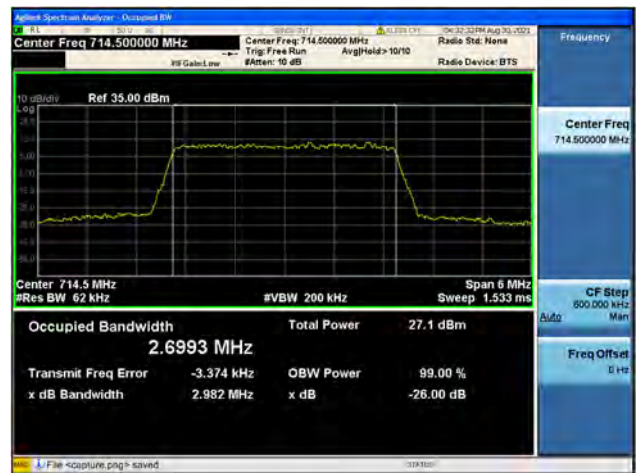
Band12 / 3MHz / Mid CH / 16QAM



Band12 / 3MHz / Mid CH / 64QAM



Band12 / 3MHz / High CH / QPSK



Band12 / 3MHz / High CH / 16QAM

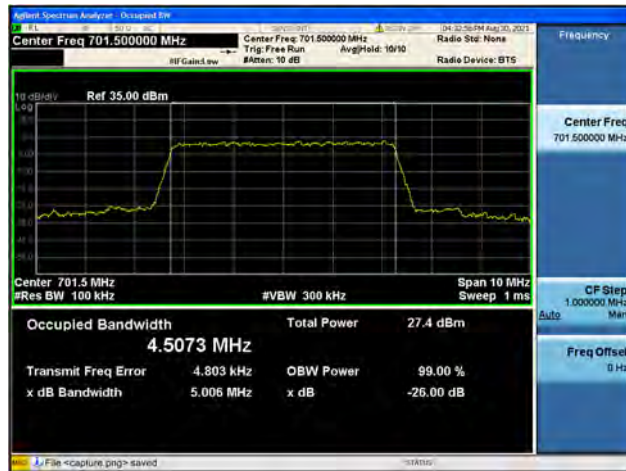


Band12 / 3MHz / High CH / 64QAM





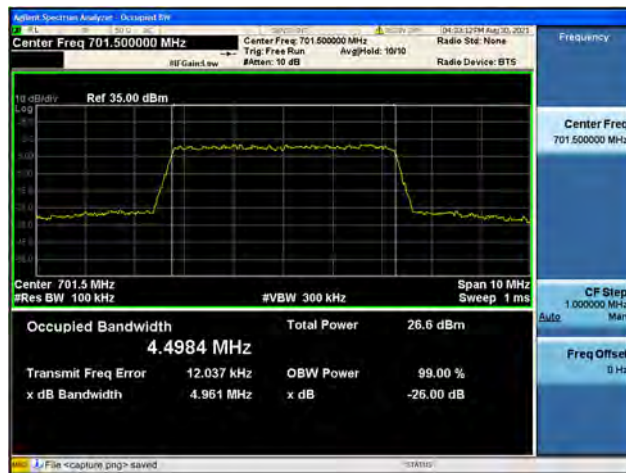
Band12 / 5MHz / Low CH / QPSK



Band12 / 5MHz / Low CH / 16QAM



Band12 / 5MHz / Low CH / 64QAM



Band12 / 5MHz / Mid CH / QPSK



Band12 / 5MHz / Mid CH / 16QAM

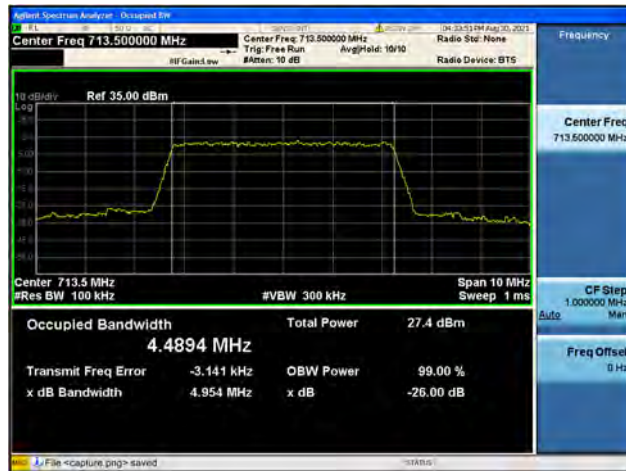


Band12 / 5MHz / Mid CH / 64QAM

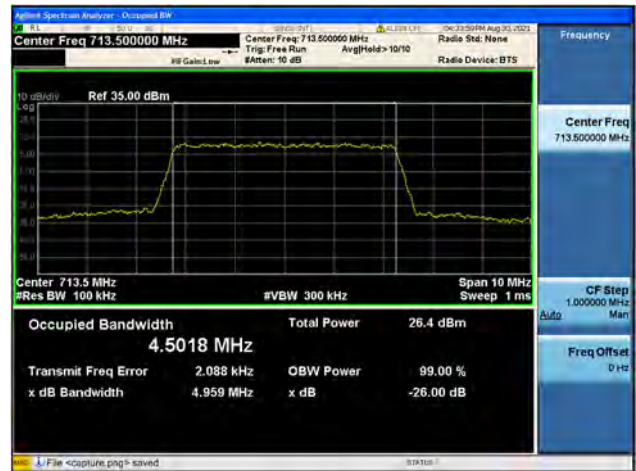




Band12 / 5MHz / High CH / QPSK



Band12 / 5MHz / High CH / 16QAM



Band12 / 5MHz / High CH / 64QAM



Band12 / 10MHz / Low CH / QPSK



Band12 / 10MHz / Low CH / 16QAM

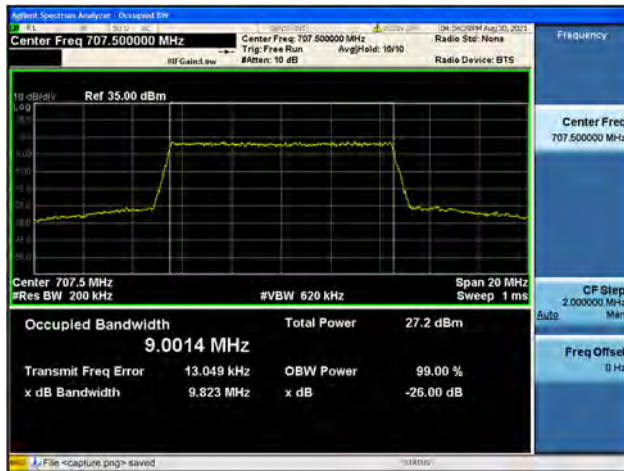


Band12 / 10MHz / Low CH / 64QAM





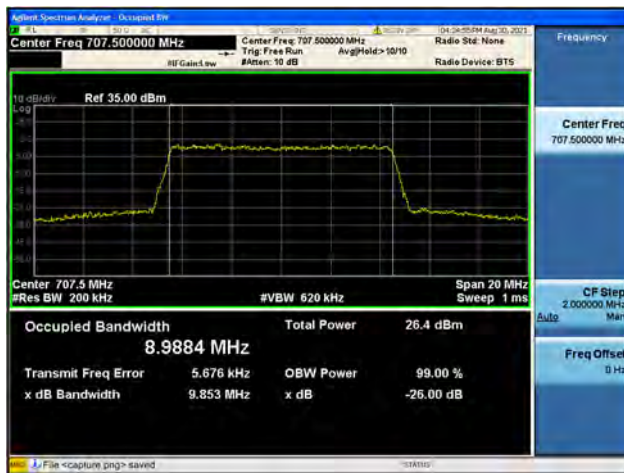
Band12 / 10MHz / Mid CH / QPSK



Band12 / 10MHz / Mid CH / 16QAM



Band12 / 10MHz / Mid CH / 64QAM



Band12 / 10MHz / High CH / QPSK



Band12 / 10MHz / High CH / 16QAM

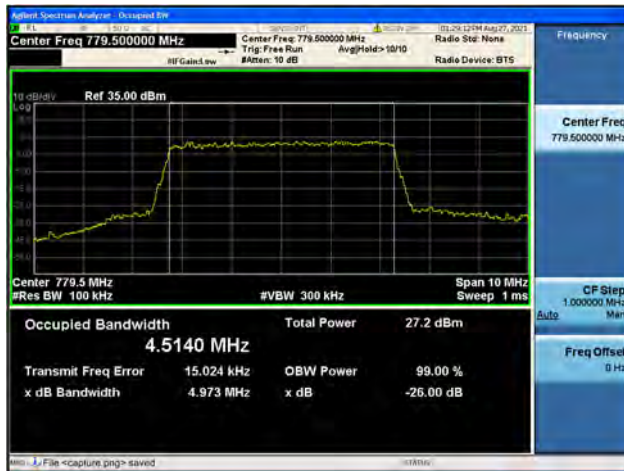


Band12 / 10MHz / High CH / 64QAM





Band13 / 5MHz / Low CH / QPSK



Band13 / 5MHz / Low CH / 16QAM



Band13 / 5MHz / Low CH / 64QAM



Band13 / 5MHz / Mid CH / QPSK



Band13 / 5MHz / Mid CH / 16QAM

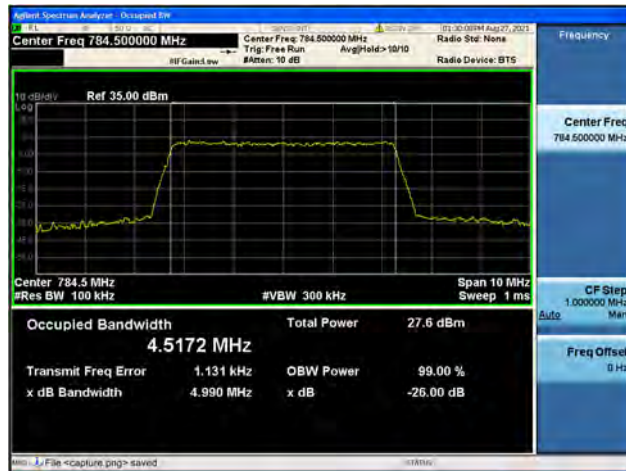


Band13 / 5MHz / Mid CH / 64QAM





Band13 / 5MHz / High CH / QPSK



Band13 / 5MHz / High CH / 16QAM



Band13 / 5MHz / High CH / 64QAM



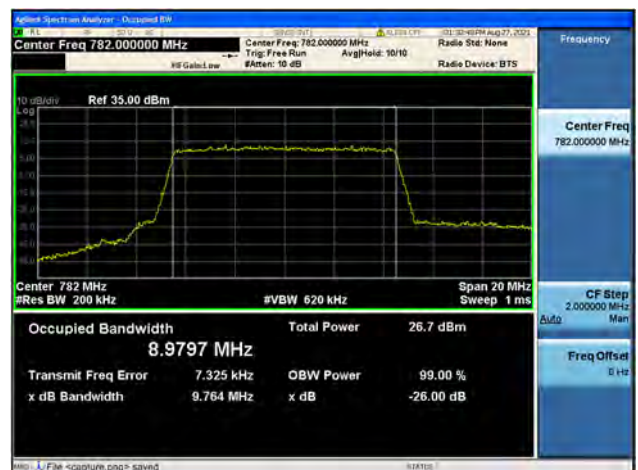
Band13 / 10MHz / Low CH / QPSK



Band13 / 10MHz / Low CH / 16QAM

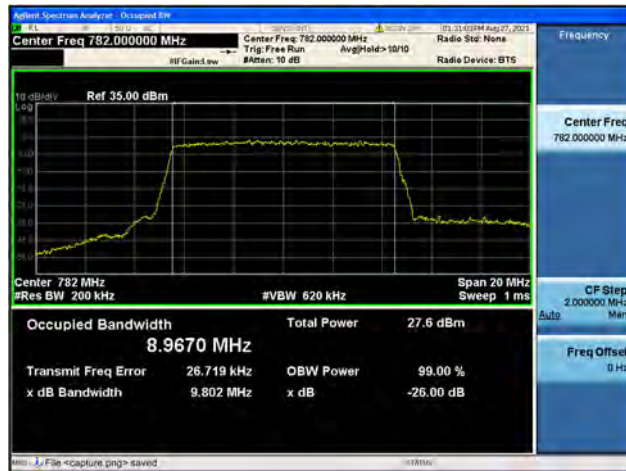


Band13 / 10MHz / Low CH / 64QAM

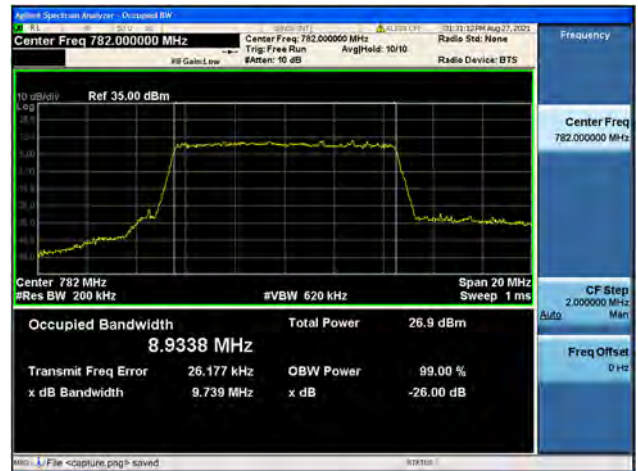




Band13 / 10MHz / Mid CH / QPSK



Band13 / 10MHz / Mid CH / 16QAM



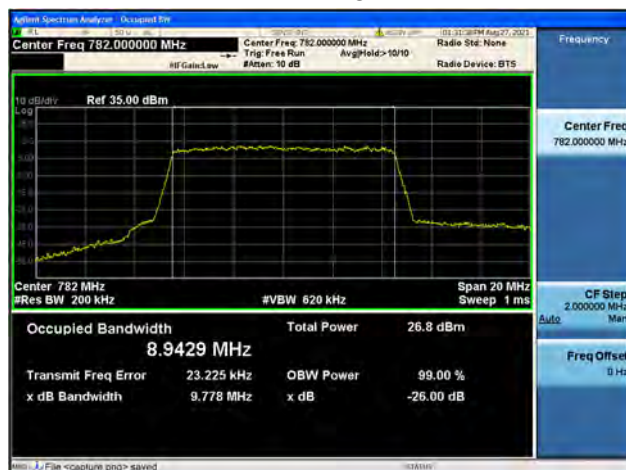
Band13 / 10MHz / Mid CH / 64QAM



Band13 / 10MHz / High CH / QPSK



Band13 / 10MHz / High CH / 16QAM

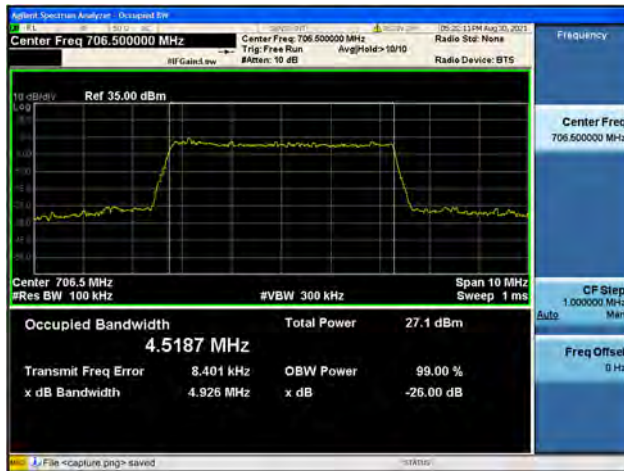


Band13 / 10MHz / High CH / 64QAM





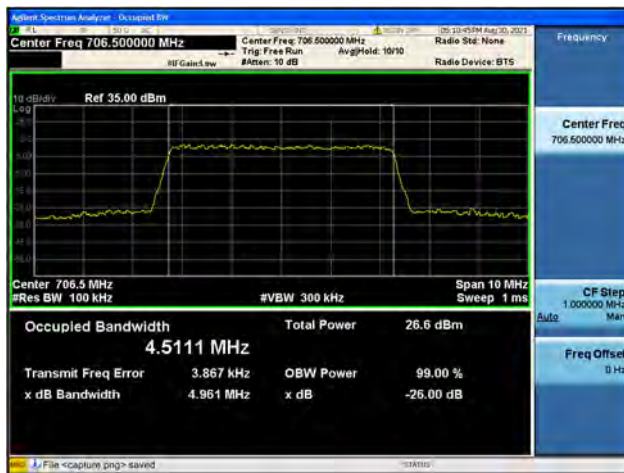
Band17 / 5MHz / Low CH / QPSK



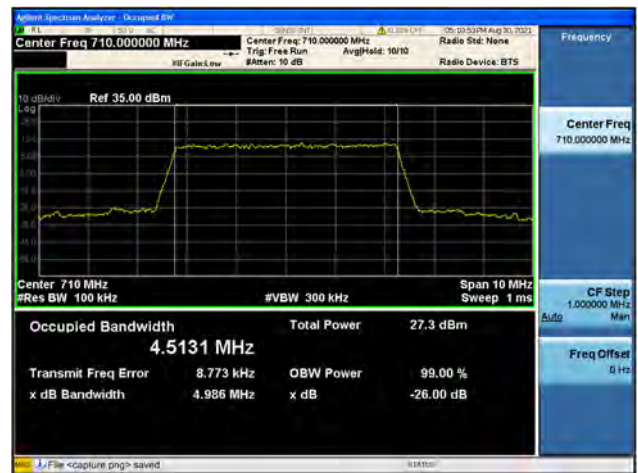
Band17 / 5MHz / Low CH / 16QAM



Band17 / 5MHz / Low CH / 64QAM



Band17 / 5MHz / Mid CH / QPSK



Band17 / 5MHz / Mid CH / 16QAM

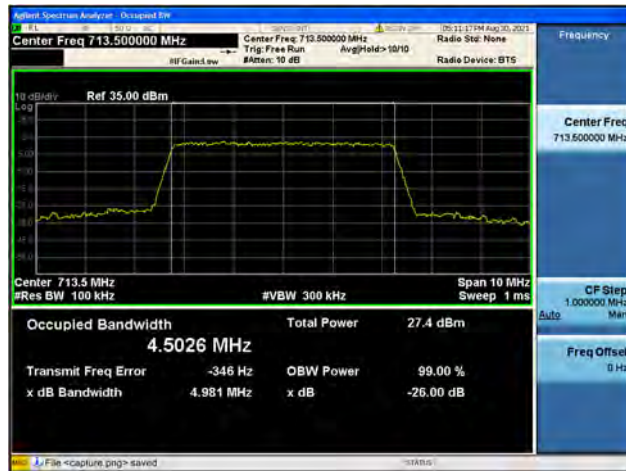


Band17 / 5MHz / Mid CH / 64QAM

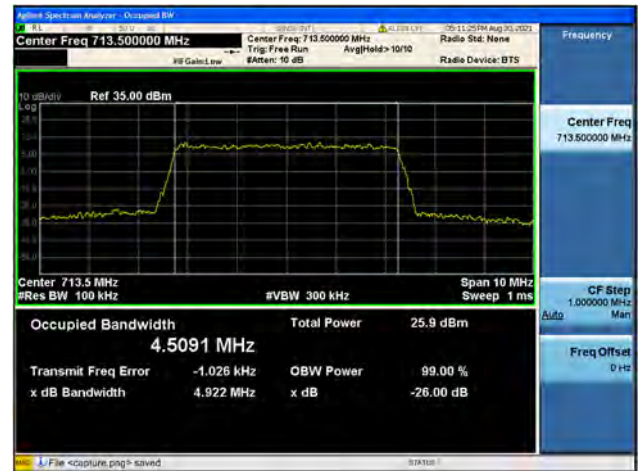




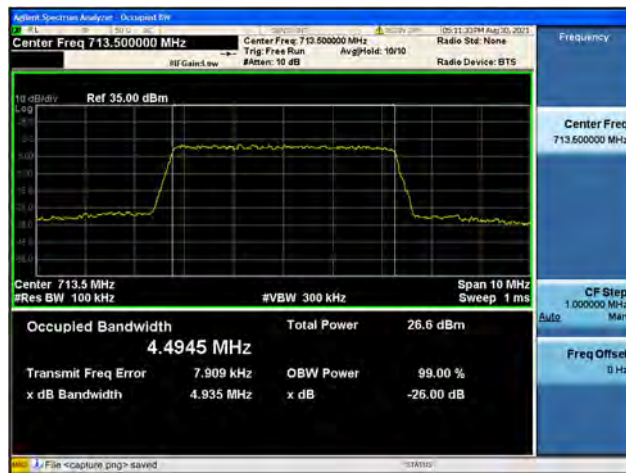
Band17 / 5MHz / High CH / QPSK



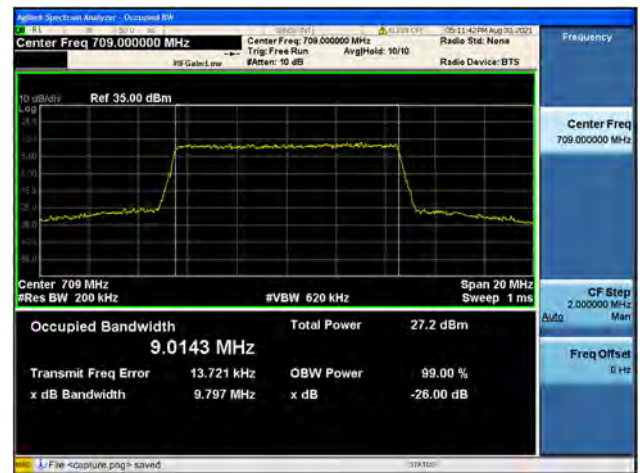
Band17 / 5MHz / High CH / 16QAM



Band17 / 5MHz / High CH / 64QAM



Band17 / 10MHz / Low CH / QPSK



Band17 / 10MHz / Low CH / 16QAM

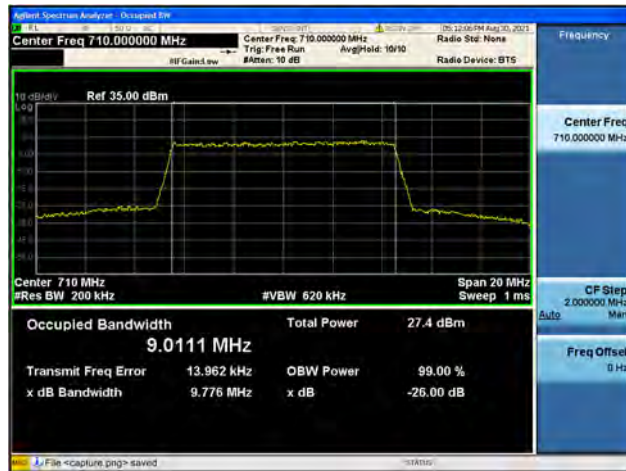


Band17 / 10MHz / Low CH / 64QAM





Band17 / 10MHz / Mid CH / QPSK



Band17 / 10MHz / Mid CH / 16QAM



Band17 / 10MHz / Mid CH / 64QAM



Band17 / 10MHz / High CH / QPSK



Band17 / 10MHz / High CH / 16QAM



Band17 / 10MHz / High CH / 64QAM

