



TEST REPORT

APPLICANT : Nubia Technology Co., Ltd.

PRODUCT NAME : 5G Mobile Phone

MODEL NAME : NX666J

BRAND NAME : REDMAGIC

FCC ID : 2AHJO-NX666J

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

RECEIPT DATE : 2021-03-15

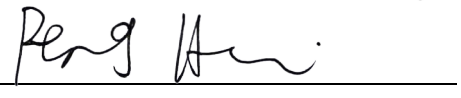
TEST DATE : 2021-03-23 to 2021-04-27

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Change History		
Version	Date	Reason for change
1.0	2021-05-07	First edition



1. Technical Information

Note: Provide by applicant.

1.1. Applicant and Manufacturer Information

Applicant:	Nubia Technology Co.,Ltd.
Applicant Address:	Room 1801, Building 2, Chongwen Park, Nanshan Zhiyuan, No.3370, Liuxian Rd, Nanshan District, Shenzhen City, Guangdong Province, P. R. China
Manufacturer:	Nubia Technology Co.,Ltd.
Manufacturer Address:	Room 1801, Building 2, Chongwen Park, Nanshan Zhiyuan, No.3370, Liuxian Rd, Nanshan District, Shenzhen City, Guangdong Province, P. R. China

1.2. Equipment Under Test (EUT) Description

Product Name:	5G Mobile Phone	
Serial No.:	(N/A, marked #1 by test site)	
Hardware Version:	NX666J_EUHW1.0	
Software Version:	NX666J_ENCommon_V2.06	
Modulation Type:	QPSK, 16QAM, 64QAM	
Carrier Aggregation:	Not support	
Operation Band:	Band 2 / 4 / 5 / 7 / 12 / 17 / 18 / 19 / 26 / 38 / 40	
Frequency Range:	LTE Band 2	Tx: 1850MHz–1910MHz
		Rx: 1930MHz–1990MHz
	LTE Band 4	Tx: 1710MHz–1755MHz
		Rx: 2110MHz–2155MHz
	LTE Band 5	Tx: 824MHz–849MHz
		Rx: 869MHz–894MHz
	LTE Band 7	Tx: 2500MHz–2570MHz
		Rx: 2620MHz–2690MHz
	LTE Band 12	Tx: 699MHz - 716MHz
		Rx: 729MHz – 746MHz
	LTE Band 17	Tx: 704MHz - 716MHz
		Rx: 734MHz – 746MHz



Frequency Range:	LTE Band 18	Tx: 824MHz–830MHz
		Rx: 869MHz–875MHz
	LTE Band 19	Tx: 830MHz–845MHz
		Rx: 875MHz–890MHz
	LTE Band 26	Tx: 824MHz–849MHz
		Rx: 869MHz–894MHz
	LTE Band 38	Tx: 2570MHz–2620MHz
Rx: 2570MHz–2620MHz		
LTE Band 40 Block A	Tx: 2305MHz–2315MHz	
	Rx: 2305MHz–2315MHz	
LTE Band 40 Block B	Tx: 2350MHz–2360MHz	
	Rx: 2350MHz–2360MHz	
Channel Bandwidth:	LTE Band 2	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 4	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 5	1.4MHz, 3MHz, 5MHz, 10MHz
	LTE Band 7	5 MHz, 10MHz, 15MHz, 20MHz
	LTE Band 12	1.4MHz, 3 MHz, 5 MHz, 10MHz
	LTE Band 17	5 MHz, 10MHz
	LTE Band 18	5 MHz
	LTE Band 19	5 MHz, 10MHz, 15MHz
	LTE Band 26	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz
	LTE Band 38	5 MHz, 10MHz, 15MHz, 20MHz
	LTE Band 40	5 MHz, 10MHz
Antenna Type:	PIFA Antenna	
Antenna Gain:	Top Antenna	
	LTE Band 2	-5.6dBi
	LTE Band 4	-5.7dBi
	LTE Band 7	-3.2dBi
	LTE Band 38	-3.2dBi
	LTE Band 40	-4.7dBi

Antenna Gain:	Bottom Antenna	
	LTE Band 2	-4.5dBi
	LTE Band 4	-1.85dBi
	LTE Band 5	-2.7dBi
	LTE Band 7	-2.5dBi
	LTE Band 12	-4.6dBi
	LTE Band 17	-4.6dBi
	LTE Band 18	-3.2dBi
	LTE Band 19	-2.7dBi
	LTE Band 26	-2.7dBi
	LTE Band 38	-2.5dBi
	LTE Band 40	-1.3dBi
	Accessory Information:	Battery
Brand Name:		nubia
Model No.:		Li3941T44PGh836548
Serial No.:		(N/A, marked #1 by test site)
Capacity:		4100mAh
Rated Voltage:		3.87V
Charge Limit:		4.45V
Manufacturer:		Dongguan Amperex Technology Limited
AC Adapter		
Brand Name:		NUBIA
Model No.:		STC-A5101230A-Z
Serial No.:		(N/A, marked #1 by test site)
Rated Output:		5.0V=3.0A, 10.0V=3.0A, 12.0V=2.5A, 20.0V=1.5A
Rated Input:		100-240V~50/60Hz, 0.7A
Manufacturer:		Shenzhen Ruijing Industrial Co., Ltd.

Note 1: SIM 1 and SIM 2 is a chipset unit and tested as a single chipset. The SIM 1 is chosen for test.

Note 2: The EUT supports top antenna and bottom antenna. For test item Conducted RF Output Power, Radiated Power and Radiated Out of Band Emissions we recorded the test result of two antennas separately, for other test items both of the two antennas were tested separately, we only recorded the worst test results(Bottom Antenna) in this report.

Note 3: 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)					
	Top Antenna			Bottom Antenna		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.058	0.047	0.037	0.090	0.084	0.063
15	0.056	0.047	0.037	0.093	0.080	0.061
10	0.058	0.048	0.038	0.093	0.082	0.062
5	0.057	0.048	0.038	0.093	0.083	0.064
3	0.058	0.049	0.038	0.093	0.079	0.063
1.4	0.057	0.049	0.040	0.093	0.082	0.061
LTE Band 4	Maximum E.R.P./E.I.R.P. (W)					
	Top Antenna			Bottom Antenna		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.056	0.046	0.035	0.183	0.163	0.121
15	0.053	0.047	0.036	0.181	0.155	0.119
10	0.055	0.046	0.037	0.180	0.160	0.121
5	0.053	0.047	0.036	0.180	0.161	0.125
3	0.055	0.046	0.036	0.180	0.153	0.122
1.4	0.054	0.046	0.037	0.180	0.159	0.117
LTE Band 5	Maximum E.R.P./E.I.R.P. (W)					
	Top Antenna			Bottom Antenna		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10	/	/	/	0.094	0.081	0.066
5	/	/	/	0.093	0.081	0.063
3	/	/	/	0.092	0.079	0.063
1.4	/	/	/	0.091	0.082	0.062
LTE Band 7	Maximum E.R.P./E.I.R.P. (W)					
	Top Antenna			Bottom Antenna		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.100	0.084	0.065	0.150	0.136	0.104
15	0.095	0.080	0.064	0.149	0.136	0.104
10	0.095	0.082	0.066	0.149	0.133	0.106
5	0.097	0.082	0.066	0.147	0.126	0.100



LTE Band 12	Maximum E.R.P./E.I.R.P. (W)					
	Top Antenna			Bottom Antenna		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10	/	/	/	0.062	0.055	0.042
5	/	/	/	0.061	0.055	0.041
3	/	/	/	0.061	0.056	0.043
1.4	/	/	/	0.060	0.053	0.041
LTE Band 17	Maximum E.R.P./E.I.R.P. (W)					
	Top Antenna			Bottom Antenna		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10	/	/	/	0.061	0.054	0.040
5	/	/	/	0.061	0.053	0.041
LTE Band 18	Maximum E.R.P./E.I.R.P. (W)					
	Top Antenna			Bottom Antenna		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5	/	/	/	0.078	0.073	0.057
LTE Band 19	Maximum E.R.P./E.I.R.P. (W)					
	Top Antenna			Bottom Antenna		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15	/	/	/	0.090	0.080	0.059
10	/	/	/	0.091	0.082	0.062
5	/	/	/	0.094	0.082	0.063
LTE Band 26	Maximum E.R.P./E.I.R.P. (W)					
	Top Antenna			Bottom Antenna		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15	/	/	/	0.092	0.082	0.063
10	/	/	/	0.091	0.081	0.063
5	/	/	/	0.091	0.079	0.062
3	/	/	/	0.091	0.078	0.062
1.4	/	/	/	0.089	0.078	0.060
LTE Band 38	Maximum E.R.P./E.I.R.P. (W)					
	Top Antenna			Bottom Antenna		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.096	0.083	0.062	0.147	0.128	0.097
15	0.096	0.083	0.063	0.147	0.126	0.099
10	0.096	0.086	0.066	0.147	0.131	0.103
5	0.096	0.084	0.065	0.145	0.129	0.099



LTE Band 40 Block A	Maximum E.R.P./E.I.R.P. (W)					
	Top Antenna			Bottom Antenna		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10	0.066	0.055	0.045	0.192	0.164	0.127
5	0.066	0.056	0.044	0.187	0.160	0.122
LTE Band 40 Block B	Maximum E.R.P./E.I.R.P. (W)					
	Top Antenna			Bottom Antenna		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10	0.066	0.056	0.045	0.193	0.164	0.133
5	0.066	0.058	0.045	0.190	0.161	0.126



LTE Band 2		Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	
1.4	1M09G7D	1M10W7D	1M09W7D	
3	2M70G7D	2M71W7D	2M71W7D	
5	4M51G7D	4M51W7D	4M51W7D	
10	9M02G7D	8M98W7D	8M99W7D	
15	13M5G7D	13M5W7D	13M5W7D	
20	18M1G7D	18M0W7D	18M0W7D	
LTE Band 4		Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	
1.4	1M10G7D	1M10W7D	1M09W7D	
3	2M70G7D	2M70W7D	2M71W7D	
5	4M51G7D	4M51W7D	4M51W7D	
10	9M02G7D	8M99W7D	9M01W7D	
15	13M5G7D	13M5W7D	13M5W7D	
20	18M0G7D	18M0W7D	18M0W7D	
LTE Band 5		Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	
1.4	1M09G7D	1M10W7D	1M09W7D	
3	2M70G7D	2M70W7D	2M71W7D	
5	4M51G7D	4M51W7D	4M51W7D	
10	8M99G7D	8M97W7D	8M98W7D	
LTE Band 7		Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	
5	4M51G7D	4M51W7D	4M50W7D	
10	9M02G7D	8M97W7D	8M98W7D	
15	13M5G7D	13M5W7D	13M5W7D	
20	18M0G7D	18M0W7D	18M0W7D	
LTE Band 12		Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	
1.4	1M10G7D	1M10W7D	1M09W7D	
3	2M70G7D	2M70W7D	2M71W7D	
5	4M51G7D	4M51W7D	4M50W7D	
10	9M00G7D	8M97W7D	8M98W7D	



LTE Band 17		Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	
5	4M50G7D	4M51W7D	4M50W7D	
10	8M96G7D	8M96W7D	8M98W7D	
LTE Band 18		Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	
5	4M50G7D	4M50W7D	4M50W7D	
LTE Band 19		Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	
5	4M52G7D	4M52W7D	4M51W7D	
10	9M02G7D	8M97W7D	8M99W7D	
15	13M5G7D	13M5W7D	13M5W7D	
LTE Band 26		Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	
1.4	1M09G7D	1M09W7D	1M09W7D	
3	2M71G7D	2M70W7D	2M70W7D	
5	4M50G7D	4M50W7D	4M50W7D	
10	8M94G7D	8M91W7D	8M93W7D	
15	13M4G7D	13M4W7D	13M4W7D	
LTE Band 38		Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	
5	4M51G7D	4M51W7D	4M50W7D	
10	9M02G7D	8M97W7D	8M98W7D	
15	13M5G7D	13M5W7D	13M5W7D	
20	18M0G7D	18M0W7D	18M0W7D	
LTE Band 40 Block A		Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	
5	4M52G7D	4M52W7D	4M51W7D	
10	9M02G7D	8M97W7D	8M99W7D	
LTE Band 40 Block B		Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	
5	4M52G7D	4M52W7D	4M51W7D	
10	9M02G7D	8M97W7D	8M99W7D	



1.4. Test Standards and Results

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

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

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

Section	Description	Test Date	Test Engineer	Result	Method Determination /Remark
2.1046 22.913(a) 22.913(a)(2) 24.232(c) 27.50(a)(3) 27.50(c)(10) 27.50(d)(4) 27.50(h)(2)	Transmitter Conducted Output Power and E.R.P./E.I.R.P.	Apr 25&27, 2021	Chen Hao Gao Jianrou	PASS	No deviation
2.1049	Occupied Bandwidth	Apr 06&09, 2021	Ling Keye	PASS	No deviation
2.1055 22.355 24.235 27.54	Frequency Stability	Apr 16, 2021	Ling Keye	PASS	No deviation
24.232(d), 27.50(d)(5)	Peak to Average Radio	Apr 06, 2021	Ling Keye	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(a)(4) 27.53(g) 27.53(h) 27.53(m)(4)	Conducted Spurious Emissions	Apr 08&12, 2021	Ling Keye	PASS	No deviation



2.1051 22.917(a) 24.238(a) 27.53(a)(4) 27.53(g) 27.53(h) 27.53(m)(4)	Band Edge	Apr 08&09, 2021	Ling Keye	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(a)(4) 27.53(g) 27.53(h) 27.53(m)(4)	Radiated Spurious Emissions	Mar 23, 2021 Apr 08&11&12, 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 23.5dB contains two parts that cable loss 13.5dB and Attenuator 10dB.

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

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

1.5. Environmental Conditions

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

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



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

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

2.1.1. Requirement

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

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

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

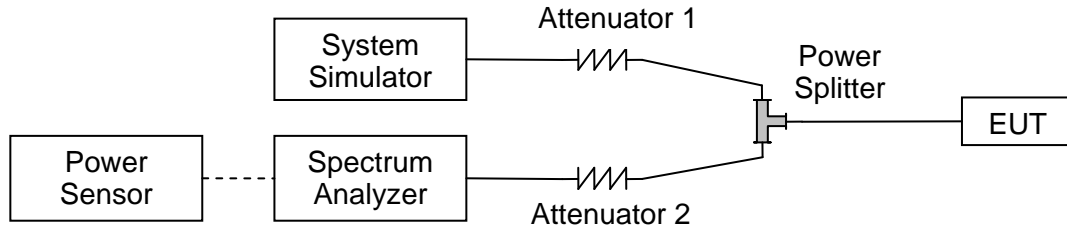
According to FCC section 22.913 (a)(2) for LTE Band 5/18/19/26, the E.R.P. of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

According to FCC section 27.50 (h)(2) for LTE Band 7/38, Mobile and other user stations. Mobile stations are limited to 2 watts E.I.R.P. All user stations are limited to 2 watts transmitter output power.

According to FCC section 27.50 (c)(10) for LTE Band 12/17, Portable stations (hand-held devices) operating in the 704-716MHz band are limited to 3watts E.R.P.

According to FCC section 27.50 (a)(3) for LTE Band 40, For mobile and portable stations transmitting in the 2305-2315 MHz band or the 2350-2360 MHz band, the average E.I.R.P. must not exceed 50 mill watts within any 1 megahertz of authorized bandwidth

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
Top Antenna**

LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18700	18900	19100
Frequency (MHz)				1860	1880	1900
20	QPSK	1	0	23.20	23.24	23.04
20	QPSK	1	49	22.91	22.84	22.86
20	QPSK	1	99	22.89	22.90	22.88
20	QPSK	50	0	22.19	22.22	22.16
20	QPSK	50	24	22.16	21.91	22.09
20	QPSK	50	50	22.08	22.02	22.06
20	QPSK	100	0	22.21	22.14	22.12
20	16QAM	1	0	22.31	22.28	22.19
20	16QAM	1	49	22.20	22.15	22.22
20	16QAM	1	99	22.18	22.09	22.04
20	16QAM	50	0	21.09	21.19	21.09
20	16QAM	50	24	21.24	20.98	20.96
20	16QAM	50	50	21.16	21.10	21.03
20	16QAM	100	0	21.13	21.12	21.06
20	64QAM	1	0	21.09	21.10	21.26
20	64QAM	1	49	21.17	21.23	21.04
20	64QAM	1	99	20.86	21.22	21.13
20	64QAM	50	0	20.32	19.62	20.15
20	64QAM	50	24	20.16	19.79	20.02
20	64QAM	50	50	19.84	20.05	20.09
20	64QAM	100	0	19.97	20.07	20.08



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18675	18900	19125
Frequency (MHz)				1857.5	1880	1902.5
15	QPSK	1	0	23.09	23.07	23.07
15	QPSK	1	37	22.98	23.03	23.00
15	QPSK	1	74	22.91	22.85	22.81
15	QPSK	36	0	22.16	22.13	22.08
15	QPSK	36	20	22.18	22.08	22.13
15	QPSK	36	39	22.09	22.02	22.01
15	QPSK	75	0	22.20	22.06	22.02
15	16QAM	1	0	22.32	22.30	22.28
15	16QAM	1	37	22.19	22.25	22.20
15	16QAM	1	74	22.21	22.23	22.21
15	16QAM	36	0	21.15	21.12	21.19
15	16QAM	36	20	21.10	21.11	21.12
15	16QAM	36	39	21.06	21.04	21.05
15	16QAM	75	0	21.17	21.10	21.03
15	64QAM	1	0	20.94	21.22	21.32
15	64QAM	1	37	20.95	21.27	21.30
15	64QAM	1	74	21.24	21.31	21.09
15	64QAM	36	0	20.10	19.84	20.12
15	64QAM	36	20	20.24	20.10	20.06
15	64QAM	36	39	20.19	20.02	19.97
15	64QAM	75	0	20.14	20.12	20.08



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18650	18900	19150
Frequency (MHz)				1855	1880	1905
10	QPSK	1	0	22.99	23.19	23.23
10	QPSK	1	25	22.93	23.09	22.94
10	QPSK	1	49	22.92	22.96	22.82
10	QPSK	25	0	22.12	22.21	22.09
10	QPSK	25	12	22.18	22.01	22.14
10	QPSK	25	25	22.06	22.13	21.97
10	QPSK	50	0	22.17	22.07	22.10
10	16QAM	1	0	22.39	22.33	21.96
10	16QAM	1	25	22.32	22.33	21.99
10	16QAM	1	49	22.19	22.06	22.33
10	16QAM	25	0	21.19	21.10	21.12
10	16QAM	25	12	21.23	21.13	21.18
10	16QAM	25	25	21.14	21.10	21.02
10	16QAM	50	0	21.13	21.06	21.06
10	64QAM	1	0	21.06	21.29	21.41
10	64QAM	1	25	21.18	21.17	21.28
10	64QAM	1	49	21.16	20.85	21.37
10	64QAM	25	0	20.26	19.70	20.15
10	64QAM	25	12	20.12	19.70	20.11
10	64QAM	25	25	19.89	20.05	20.08
10	64QAM	50	0	19.96	20.06	20.08



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	23.13	22.98	23.01
5	QPSK	1	12	22.88	22.98	22.83
5	QPSK	1	24	22.95	22.71	22.79
5	QPSK	12	0	22.24	22.14	22.06
5	QPSK	12	7	22.16	22.01	21.96
5	QPSK	12	13	22.08	21.99	21.92
5	QPSK	25	0	22.07	22.07	22.09
5	16QAM	1	0	22.33	22.29	22.35
5	16QAM	1	12	22.38	22.11	22.31
5	16QAM	1	24	22.38	22.08	22.32
5	16QAM	12	0	21.21	21.20	21.07
5	16QAM	12	7	21.15	21.10	21.00
5	16QAM	12	13	21.09	21.06	20.98
5	16QAM	25	0	21.22	20.98	20.98
5	64QAM	1	0	21.12	21.25	21.37
5	64QAM	1	12	21.20	20.97	21.03
5	64QAM	1	24	20.92	21.27	21.33
5	64QAM	12	0	20.15	19.55	20.27
5	64QAM	12	7	20.13	19.55	20.04
5	64QAM	12	13	19.77	20.31	20.07
5	64QAM	25	0	19.96	20.10	20.08



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18615	18900	19185
Frequency (MHz)				1851.5	1880	1908.5
3	QPSK	1	0	23.19	23.00	23.24
3	QPSK	1	8	22.88	22.96	22.89
3	QPSK	1	14	22.82	22.84	22.79
3	QPSK	8	0	22.20	22.13	22.14
3	QPSK	8	4	22.14	21.94	21.98
3	QPSK	8	7	22.02	22.01	21.95
3	QPSK	15	0	22.10	22.16	22.11
3	16QAM	1	0	22.05	22.43	22.48
3	16QAM	1	8	22.12	21.82	21.96
3	16QAM	1	14	22.32	22.29	22.11
3	16QAM	8	0	21.20	21.20	21.12
3	16QAM	8	4	21.12	21.03	21.12
3	16QAM	8	7	21.14	21.05	21.04
3	16QAM	15	0	21.14	21.09	21.11
3	64QAM	1	0	21.06	21.28	21.28
3	64QAM	1	8	21.30	21.29	21.25
3	64QAM	1	14	20.81	21.03	21.41
3	64QAM	8	0	20.20	19.74	20.15
3	64QAM	8	4	20.18	19.72	20.02
3	64QAM	8	7	19.86	20.04	20.08
3	64QAM	15	0	19.94	20.17	20.16



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18607	18900	19193
Frequency (MHz)				1850.7	1880	1909.3
1.4	QPSK	1	0	23.14	23.16	23.07
1.4	QPSK	1	3	23.00	22.98	22.86
1.4	QPSK	1	5	22.78	22.85	22.77
1.4	QPSK	3	0	22.12	22.16	22.03
1.4	QPSK	3	1	22.18	22.06	22.08
1.4	QPSK	3	3	22.00	22.02	22.02
1.4	QPSK	6	0	22.20	22.08	22.12
1.4	16QAM	1	0	22.10	22.35	22.39
1.4	16QAM	1	3	22.38	22.48	22.22
1.4	16QAM	1	5	22.16	22.13	22.31
1.4	16QAM	3	0	21.08	21.18	21.16
1.4	16QAM	3	1	20.99	21.05	21.03
1.4	16QAM	3	3	20.98	21.14	21.10
1.4	16QAM	6	0	21.13	21.06	21.16
1.4	64QAM	1	0	21.25	21.00	21.30
1.4	64QAM	1	3	21.06	20.80	21.04
1.4	64QAM	1	5	20.97	21.17	21.19
1.4	64QAM	3	0	20.39	20.40	20.07
1.4	64QAM	3	1	20.13	20.25	20.05
1.4	64QAM	3	3	20.30	19.97	20.00
1.4	64QAM	6	0	19.88	20.08	20.15



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20050	20175	20300
Frequency (MHz)				1720	1732.5	1745
20	QPSK	1	0	23.14	23.18	22.88
20	QPSK	1	49	22.75	22.68	22.70
20	QPSK	1	99	22.73	22.74	22.72
20	QPSK	50	0	22.03	22.05	22.00
20	QPSK	50	24	22.00	21.85	21.93
20	QPSK	50	50	21.92	21.86	21.90
20	QPSK	100	0	22.05	21.98	21.96
20	16QAM	1	0	22.35	22.12	22.03
20	16QAM	1	49	22.24	22.09	22.06
20	16QAM	1	99	22.02	21.93	21.88
20	16QAM	50	0	20.93	21.03	20.93
20	16QAM	50	24	21.08	20.82	20.80
20	16QAM	50	50	21.00	20.94	20.87
20	16QAM	100	0	20.97	20.96	20.90
20	64QAM	1	0	20.93	20.94	21.20
20	64QAM	1	49	21.01	21.17	20.88
20	64QAM	1	99	20.70	21.16	20.97
20	64QAM	50	0	20.16	19.46	19.99
20	64QAM	50	24	20.00	19.63	19.86
20	64QAM	50	50	19.68	19.89	19.93
20	64QAM	100	0	19.81	19.91	19.92



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20025	20175	20325
Frequency (MHz)				1717.5	1732.5	1747.5
15	QPSK	1	0	22.93	22.91	22.91
15	QPSK	1	37	22.82	22.87	22.84
15	QPSK	1	74	22.75	22.69	22.65
15	QPSK	36	0	22.00	21.97	21.92
15	QPSK	36	20	22.02	21.92	21.97
15	QPSK	36	39	21.93	21.86	21.85
15	QPSK	75	0	22.04	21.90	21.86
15	16QAM	1	0	22.20	22.30	22.42
15	16QAM	1	37	22.03	22.29	22.14
15	16QAM	1	74	22.15	22.27	22.15
15	16QAM	36	0	20.99	20.96	21.03
15	16QAM	36	20	20.94	20.95	20.96
15	16QAM	36	39	20.90	20.88	20.89
15	16QAM	75	0	21.01	20.94	20.87
15	64QAM	1	0	20.78	21.06	21.26
15	64QAM	1	37	20.79	21.11	21.19
15	64QAM	1	74	21.08	21.22	20.93
15	64QAM	36	0	19.94	19.68	19.96
15	64QAM	36	20	20.08	19.94	19.90
15	64QAM	36	39	20.03	19.86	19.81
15	64QAM	75	0	19.98	19.96	19.92



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20000	20175	20350
Frequency (MHz)				1715	1732.5	1750
10	QPSK	1	0	22.83	23.03	23.07
10	QPSK	1	25	22.77	22.93	22.78
10	QPSK	1	49	22.76	22.80	22.66
10	QPSK	25	0	21.96	22.05	21.93
10	QPSK	25	12	22.02	21.85	21.98
10	QPSK	25	25	21.90	21.97	21.81
10	QPSK	50	0	22.01	21.91	21.94
10	16QAM	1	0	22.33	22.37	21.80
10	16QAM	1	25	22.36	22.17	21.83
10	16QAM	1	49	22.03	21.90	22.17
10	16QAM	25	0	21.03	20.94	20.96
10	16QAM	25	12	21.07	20.97	21.02
10	16QAM	25	25	20.98	20.94	20.86
10	16QAM	50	0	20.97	20.90	20.90
10	64QAM	1	0	20.90	21.13	21.35
10	64QAM	1	25	21.02	21.01	21.12
10	64QAM	1	49	21.00	20.69	21.21
10	64QAM	25	0	20.10	19.54	19.99
10	64QAM	25	12	19.96	19.54	19.95
10	64QAM	25	25	19.73	19.89	19.92
10	64QAM	50	0	19.80	19.90	19.92



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19975	20175	20375
Frequency (MHz)				1712.5	1732.5	1752.5
5	QPSK	1	0	22.97	22.82	22.85
5	QPSK	1	12	22.72	22.82	22.67
5	QPSK	1	24	22.79	22.55	22.63
5	QPSK	12	0	22.08	21.98	21.90
5	QPSK	12	7	22.00	21.85	21.80
5	QPSK	12	13	21.92	21.83	21.86
5	QPSK	25	0	21.91	21.91	21.93
5	16QAM	1	0	22.37	22.43	22.29
5	16QAM	1	12	22.32	21.95	22.25
5	16QAM	1	24	22.32	21.92	22.36
5	16QAM	12	0	21.05	21.04	20.91
5	16QAM	12	7	20.99	20.94	20.84
5	16QAM	12	13	20.93	20.90	20.82
5	16QAM	25	0	21.06	20.82	20.82
5	64QAM	1	0	20.96	21.09	21.21
5	64QAM	1	12	21.04	20.81	20.87
5	64QAM	1	24	20.76	21.11	21.17
5	64QAM	12	0	19.99	19.39	20.11
5	64QAM	12	7	19.97	19.39	19.88
5	64QAM	12	13	19.61	20.15	19.91
5	64QAM	25	0	19.80	19.94	19.92



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19965	20175	20385
Frequency (MHz)				1711.5	1732.5	1753.5
3	QPSK	1	0	23.03	22.84	23.09
3	QPSK	1	8	22.72	22.80	22.73
3	QPSK	1	14	22.66	22.68	22.63
3	QPSK	8	0	22.04	21.97	21.98
3	QPSK	8	4	21.98	21.88	21.82
3	QPSK	8	7	21.86	21.85	21.89
3	QPSK	15	0	21.94	22.00	21.95
3	16QAM	1	0	21.89	22.27	22.32
3	16QAM	1	8	21.96	21.86	21.80
3	16QAM	1	14	22.36	22.13	21.95
3	16QAM	8	0	21.04	21.04	20.96
3	16QAM	8	4	20.96	20.87	20.96
3	16QAM	8	7	20.98	20.89	20.88
3	16QAM	15	0	20.98	20.93	20.95
3	64QAM	1	0	20.90	21.12	21.12
3	64QAM	1	8	21.14	21.13	21.09
3	64QAM	1	14	20.65	20.87	21.25
3	64QAM	8	0	20.04	19.58	19.99
3	64QAM	8	4	20.02	19.56	19.86
3	64QAM	8	7	19.70	19.88	19.92
3	64QAM	15	0	19.78	20.01	20.00



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19957	20175	20393
Frequency (MHz)				1710.7	1732.5	1754.3
1.4	QPSK	1	0	22.98	23.00	22.91
1.4	QPSK	1	3	22.84	22.82	22.70
1.4	QPSK	1	5	22.62	22.69	22.61
1.4	QPSK	3	0	21.96	22.00	21.87
1.4	QPSK	3	1	22.02	21.90	21.92
1.4	QPSK	3	3	21.84	21.86	21.86
1.4	QPSK	6	0	22.04	21.92	21.96
1.4	16QAM	1	0	21.94	22.19	22.23
1.4	16QAM	1	3	22.22	22.32	22.06
1.4	16QAM	1	5	22.00	21.97	22.15
1.4	16QAM	3	0	20.92	21.02	21.00
1.4	16QAM	3	1	20.83	20.89	20.87
1.4	16QAM	3	3	20.82	20.98	20.94
1.4	16QAM	6	0	20.97	20.90	21.00
1.4	64QAM	1	0	21.09	20.84	21.14
1.4	64QAM	1	3	20.90	20.84	20.88
1.4	64QAM	1	5	20.81	21.01	21.03
1.4	64QAM	3	0	20.23	20.24	19.91
1.4	64QAM	3	1	19.97	20.09	19.89
1.4	64QAM	3	3	20.14	19.81	19.84
1.4	64QAM	6	0	19.72	19.92	19.99



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20450	20525	20600
Frequency (MHz)				829	836.5	844
10	QPSK	1	0	23.08	23.19	23.04
10	QPSK	1	25	23.02	22.78	22.95
10	QPSK	1	49	22.98	23.08	22.82
10	QPSK	25	0	22.17	22.27	22.13
10	QPSK	25	12	22.22	22.17	22.23
10	QPSK	25	25	22.20	22.12	22.10
10	QPSK	50	0	22.16	22.19	22.18
10	16QAM	1	0	22.21	22.26	22.41
10	16QAM	1	25	22.41	22.46	22.30
10	16QAM	1	49	22.70	22.46	22.33
10	16QAM	25	0	21.18	21.08	21.11
10	16QAM	25	12	21.21	21.14	21.28
10	16QAM	25	25	21.27	21.14	21.12
10	16QAM	50	0	21.25	21.14	21.23
10	64QAM	1	0	21.39	21.21	21.28
10	64QAM	1	25	21.15	21.13	21.42
10	64QAM	1	49	21.19	21.48	21.48
10	64QAM	25	0	20.14	20.23	20.19
10	64QAM	25	12	20.40	20.24	20.27
10	64QAM	25	25	20.12	20.23	20.16
10	64QAM	50	0	20.36	20.14	20.18



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20425	20525	20625
Frequency (MHz)				826.5	836.5	846.5
5	QPSK	1	0	23.02	23.18	23.07
5	QPSK	1	12	23.15	23.09	23.09
5	QPSK	1	24	23.11	23.13	23.04
5	QPSK	12	0	22.19	22.23	22.20
5	QPSK	12	7	22.18	22.20	22.16
5	QPSK	12	13	22.19	22.15	22.17
5	QPSK	25	0	22.15	22.13	22.18
5	16QAM	1	0	22.46	22.13	22.19
5	16QAM	1	12	22.46	22.48	22.33
5	16QAM	1	24	22.09	22.16	22.08
5	16QAM	12	0	21.19	21.28	21.22
5	16QAM	12	7	21.19	21.33	21.08
5	16QAM	12	13	21.10	21.21	21.14
5	16QAM	25	0	21.21	21.11	21.24
5	64QAM	1	0	21.33	21.40	21.29
5	64QAM	1	12	21.39	21.34	21.17
5	64QAM	1	24	21.35	21.17	21.36
5	64QAM	12	0	20.21	20.28	20.20
5	64QAM	12	7	20.28	20.27	20.26
5	64QAM	12	13	20.24	20.20	20.17
5	64QAM	25	0	20.21	20.18	20.14



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20415	20525	20635
Frequency (MHz)				825.5	836.5	847.5
3	QPSK	1	0	23.02	23.03	22.99
3	QPSK	1	8	23.07	23.05	23.12
3	QPSK	1	14	23.05	23.10	23.15
3	QPSK	8	0	22.20	22.20	22.18
3	QPSK	8	4	22.17	22.19	22.20
3	QPSK	8	7	22.11	22.19	22.11
3	QPSK	15	0	22.13	22.16	22.15
3	16QAM	1	0	22.02	22.30	22.46
3	16QAM	1	8	22.22	22.29	22.20
3	16QAM	1	14	22.38	22.27	22.37
3	16QAM	8	0	21.22	21.29	21.20
3	16QAM	8	4	21.25	21.23	21.22
3	16QAM	8	7	21.19	21.21	21.26
3	16QAM	15	0	21.08	21.20	21.21
3	64QAM	1	0	21.37	21.47	21.41
3	64QAM	1	8	21.41	21.33	21.41
3	64QAM	1	14	21.34	21.38	21.44
3	64QAM	8	0	20.17	20.24	20.25
3	64QAM	8	4	20.25	20.19	20.19
3	64QAM	8	7	20.19	20.24	20.23
3	64QAM	15	0	20.14	20.14	20.28



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	22.95	22.98	23.06
1.4	QPSK	1	3	22.98	23.04	23.02
1.4	QPSK	1	5	22.93	23.01	22.97
1.4	QPSK	3	0	22.98	23.01	23.03
1.4	QPSK	3	1	23.09	23.06	23.09
1.4	QPSK	3	3	22.95	23.00	22.95
1.4	QPSK	6	0	22.03	22.11	22.10
1.4	16QAM	1	0	22.21	22.23	22.27
1.4	16QAM	1	3	22.02	22.39	22.30
1.4	16QAM	1	5	22.11	22.11	22.41
1.4	16QAM	3	0	22.15	22.16	22.02
1.4	16QAM	3	1	22.13	22.17	22.21
1.4	16QAM	3	3	22.12	22.12	22.14
1.4	16QAM	6	0	21.13	21.13	21.16
1.4	64QAM	1	0	21.45	21.35	21.18
1.4	64QAM	1	3	21.35	21.41	21.40
1.4	64QAM	1	5	21.33	21.41	21.09
1.4	64QAM	3	0	21.22	21.26	21.18
1.4	64QAM	3	1	21.25	21.38	21.26
1.4	64QAM	3	3	21.11	21.35	21.23
1.4	64QAM	6	0	20.06	20.03	20.24



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20850	21100	21350
Frequency (MHz)				2510	2535	2560
20	QPSK	1	0	23.08	23.18	23.01
20	QPSK	1	49	22.67	22.87	22.81
20	QPSK	1	99	22.89	22.88	22.94
20	QPSK	50	0	22.03	22.05	22.02
20	QPSK	50	24	22.04	22.00	22.01
20	QPSK	50	50	21.98	22.10	22.03
20	QPSK	100	0	21.98	22.00	21.97
20	16QAM	1	0	21.76	22.01	22.18
20	16QAM	1	49	21.96	22.44	22.12
20	16QAM	1	99	22.38	22.39	22.37
20	16QAM	50	0	20.92	20.93	21.00
20	16QAM	50	24	21.03	20.99	21.02
20	16QAM	50	50	21.10	21.04	21.16
20	16QAM	100	0	21.00	21.00	21.05
20	64QAM	1	0	21.01	20.97	20.87
20	64QAM	1	49	20.94	20.98	21.32
20	64QAM	1	99	21.05	21.23	21.10
20	64QAM	50	0	19.90	19.97	20.01
20	64QAM	50	24	20.00	20.09	20.10
20	64QAM	50	50	20.11	20.07	19.96
20	64QAM	100	0	19.97	20.04	20.04



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20825	21100	21375
Frequency (MHz)				2507.5	2535	2562.5
15	QPSK	1	0	22.81	22.81	22.86
15	QPSK	1	37	22.85	22.85	22.86
15	QPSK	1	74	22.94	22.90	22.96
15	QPSK	36	0	21.99	21.95	21.91
15	QPSK	36	20	22.02	22.09	22.06
15	QPSK	36	39	22.03	22.00	22.04
15	QPSK	75	0	22.01	22.01	22.07
15	16QAM	1	0	22.13	22.15	21.87
15	16QAM	1	37	22.17	22.44	22.13
15	16QAM	1	74	22.08	22.58	22.22
15	16QAM	36	0	21.00	20.87	20.91
15	16QAM	36	20	21.05	21.02	21.05
15	16QAM	36	39	20.97	21.04	21.01
15	16QAM	75	0	21.02	21.08	20.99
15	64QAM	1	0	21.05	21.23	21.07
15	64QAM	1	37	21.03	21.04	21.11
15	64QAM	1	74	20.98	21.15	21.09
15	64QAM	36	0	20.02	19.99	20.03
15	64QAM	36	20	20.00	20.05	20.01
15	64QAM	36	39	20.14	20.03	20.09
15	64QAM	75	0	20.07	19.96	19.96



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20800	21100	21400
Frequency (MHz)				2505	2535	2565
10	QPSK	1	0	22.67	22.87	22.78
10	QPSK	1	25	22.84	23.00	22.82
10	QPSK	1	49	22.89	22.81	22.84
10	QPSK	25	0	21.92	21.91	21.86
10	QPSK	25	12	21.97	22.03	22.09
10	QPSK	25	25	21.99	22.08	21.98
10	QPSK	50	0	22.06	22.08	22.08
10	16QAM	1	0	22.03	22.34	22.12
10	16QAM	1	25	22.09	22.17	22.18
10	16QAM	1	49	22.21	21.93	22.35
10	16QAM	25	0	20.85	20.96	20.81
10	16QAM	25	12	20.97	21.05	21.11
10	16QAM	25	25	21.11	20.90	20.92
10	16QAM	50	0	21.00	20.98	21.15
10	64QAM	1	0	20.86	21.13	20.87
10	64QAM	1	25	21.28	21.14	21.27
10	64QAM	1	49	21.42	20.96	21.31
10	64QAM	25	0	19.97	19.98	19.97
10	64QAM	25	12	20.01	20.15	20.15
10	64QAM	25	25	19.96	20.04	20.06
10	64QAM	50	0	20.08	20.05	19.95



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20775	21100	21425
Frequency (MHz)				2502.5	2535	2567.5
5	QPSK	1	0	22.87	22.85	22.81
5	QPSK	1	12	22.84	22.82	23.07
5	QPSK	1	24	22.86	22.90	23.02
5	QPSK	12	0	21.93	22.06	21.99
5	QPSK	12	7	21.94	22.03	22.01
5	QPSK	12	13	21.97	22.06	21.98
5	QPSK	25	0	22.00	22.03	22.06
5	16QAM	1	0	22.32	22.14	21.83
5	16QAM	1	12	22.29	22.36	22.13
5	16QAM	1	24	22.05	22.10	22.16
5	16QAM	12	0	20.93	21.08	21.08
5	16QAM	12	7	20.91	21.09	21.09
5	16QAM	12	13	20.99	20.99	21.08
5	16QAM	25	0	21.06	21.04	21.02
5	64QAM	1	0	21.09	21.13	21.25
5	64QAM	1	12	21.22	21.27	21.31
5	64QAM	1	24	20.78	21.33	21.41
5	64QAM	12	0	20.05	20.03	20.04
5	64QAM	12	7	20.10	20.03	20.08
5	64QAM	12	13	20.03	20.19	20.05
5	64QAM	25	0	19.95	20.07	20.03



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23060	23095	23130
Frequency (MHz)				704	707.5	711
10	QPSK	1	0	23.29	23.39	23.29
10	QPSK	1	25	23.09	23.22	23.07
10	QPSK	1	49	23.04	23.36	23.01
10	QPSK	25	0	22.30	22.48	22.39
10	QPSK	25	12	22.32	22.33	22.36
10	QPSK	25	25	22.39	22.38	22.35
10	QPSK	50	0	22.32	22.38	22.37
10	16QAM	1	0	22.95	22.24	22.69
10	16QAM	1	25	22.39	22.59	22.53
10	16QAM	1	49	22.53	22.23	22.45
10	16QAM	25	0	21.29	21.27	21.36
10	16QAM	25	12	21.41	21.27	21.39
10	16QAM	25	25	21.32	21.46	21.36
10	16QAM	50	0	21.50	21.36	21.38
10	64QAM	1	0	21.17	21.34	21.44
10	64QAM	1	25	21.36	21.47	21.65
10	64QAM	1	49	21.22	21.60	21.48
10	64QAM	25	0	20.32	20.24	20.34
10	64QAM	25	12	20.41	20.37	20.40
10	64QAM	25	25	20.41	20.38	20.27
10	64QAM	50	0	20.41	20.31	20.38



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23035	23095	23155
Frequency (MHz)				701.5	707.5	713.5
5	QPSK	1	0	23.30	23.22	23.24
5	QPSK	1	12	23.09	23.30	23.20
5	QPSK	1	24	23.28	23.23	23.20
5	QPSK	12	0	22.37	22.30	22.28
5	QPSK	12	7	22.38	22.38	22.27
5	QPSK	12	13	22.39	22.35	22.29
5	QPSK	25	0	22.37	22.34	22.26
5	16QAM	1	0	22.46	22.77	22.37
5	16QAM	1	12	22.24	22.60	22.41
5	16QAM	1	24	22.40	22.83	22.75
5	16QAM	12	0	21.43	21.37	21.39
5	16QAM	12	7	21.36	21.46	21.26
5	16QAM	12	13	21.42	21.37	21.34
5	16QAM	25	0	21.37	21.34	21.23
5	64QAM	1	0	21.48	21.61	21.44
5	64QAM	1	12	21.43	21.40	21.42
5	64QAM	1	24	21.42	21.66	21.13
5	64QAM	12	0	20.26	20.42	20.11
5	64QAM	12	7	20.44	20.39	20.25
5	64QAM	12	13	20.48	20.48	20.06
5	64QAM	25	0	20.29	20.35	20.10



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23025	23095	23165
Frequency (MHz)				700.5	707.5	714.5
3	QPSK	1	0	23.13	23.13	23.31
3	QPSK	1	8	23.25	23.33	23.36
3	QPSK	1	14	23.16	23.15	23.29
3	QPSK	8	0	22.41	22.30	22.31
3	QPSK	8	4	22.38	22.41	22.33
3	QPSK	8	7	22.30	22.29	22.32
3	QPSK	15	0	22.32	22.24	22.37
3	16QAM	1	0	22.84	22.22	22.73
3	16QAM	1	8	22.83	22.92	22.53
3	16QAM	1	14	22.18	22.75	22.48
3	16QAM	8	0	21.50	21.40	21.28
3	16QAM	8	4	21.44	21.44	21.34
3	16QAM	8	7	21.53	21.33	21.28
3	16QAM	15	0	21.26	21.40	21.38
3	64QAM	1	0	21.30	21.68	21.27
3	64QAM	1	8	21.42	21.23	21.13
3	64QAM	1	14	21.40	21.62	20.79
3	64QAM	8	0	20.44	20.28	20.08
3	64QAM	8	4	20.41	20.46	20.18
3	64QAM	8	7	20.28	20.26	20.41
3	64QAM	15	0	20.41	20.36	20.24



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23017	23095	23173
Frequency (MHz)				699.7	707.5	715.3
1.4	QPSK	1	0	23.22	23.05	23.18
1.4	QPSK	1	3	23.19	23.18	23.15
1.4	QPSK	1	5	23.11	23.12	23.10
1.4	QPSK	3	0	23.21	23.15	23.18
1.4	QPSK	3	1	23.21	23.16	23.20
1.4	QPSK	3	3	23.19	23.09	23.17
1.4	QPSK	6	0	22.27	22.18	22.22
1.4	16QAM	1	0	22.75	22.24	22.71
1.4	16QAM	1	3	22.62	22.23	22.23
1.4	16QAM	1	5	22.08	22.17	22.62
1.4	16QAM	3	0	22.30	22.26	22.17
1.4	16QAM	3	1	22.32	22.22	22.30
1.4	16QAM	3	3	22.25	22.15	22.12
1.4	16QAM	6	0	21.30	21.35	21.29
1.4	64QAM	1	0	21.63	21.56	21.25
1.4	64QAM	1	3	21.31	21.42	21.48
1.4	64QAM	1	5	21.38	21.56	21.42
1.4	64QAM	3	0	21.42	21.31	21.52
1.4	64QAM	3	1	21.53	21.08	21.35
1.4	64QAM	3	3	21.42	21.37	21.28
1.4	64QAM	6	0	20.43	20.14	20.24



LTE Band 17						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23780	23790	23800
Frequency (MHz)				709	710	711
10	QPSK	1	0	23.01	23.27	23.01
10	QPSK	1	25	23.22	23.08	23.09
10	QPSK	1	49	23.25	23.17	23.25
10	QPSK	25	0	22.12	22.38	22.20
10	QPSK	25	12	22.29	22.30	22.22
10	QPSK	25	25	22.32	22.35	22.21
10	QPSK	50	0	22.20	22.08	22.17
10	16QAM	1	0	22.33	22.11	22.28
10	16QAM	1	25	22.17	22.32	22.37
10	16QAM	1	49	22.20	22.78	22.42
10	16QAM	25	0	21.15	21.16	21.17
10	16QAM	25	12	21.43	21.25	21.18
10	16QAM	25	25	21.14	21.32	21.30
10	16QAM	50	0	21.26	21.15	21.36
10	64QAM	1	0	21.35	21.50	21.53
10	64QAM	1	25	21.03	21.38	21.37
10	64QAM	1	49	21.45	21.30	21.57
10	64QAM	25	0	20.18	20.19	20.21
10	64QAM	25	12	20.25	20.34	20.37
10	64QAM	25	25	20.31	20.35	20.32
10	64QAM	50	0	20.28	20.21	20.30



LTE Band 17						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23755	23790	23825
Frequency (MHz)				706.5	710	713.5
5	QPSK	1	0	23.13	23.06	23.00
5	QPSK	1	12	23.25	23.22	23.10
5	QPSK	1	24	23.17	23.11	23.14
5	QPSK	12	0	22.24	22.21	22.18
5	QPSK	12	7	22.28	22.25	22.31
5	QPSK	12	13	22.27	22.25	22.17
5	QPSK	25	0	22.28	22.20	22.24
5	16QAM	1	0	22.27	22.58	22.09
5	16QAM	1	12	22.63	22.69	22.08
5	16QAM	1	24	22.71	22.54	22.17
5	16QAM	12	0	21.20	21.19	21.23
5	16QAM	12	7	21.29	21.25	21.29
5	16QAM	12	13	21.31	21.34	21.34
5	16QAM	25	0	21.16	21.25	21.25
5	64QAM	1	0	21.31	21.19	21.46
5	64QAM	1	12	21.08	21.25	21.40
5	64QAM	1	24	21.57	21.51	21.14
5	64QAM	12	0	20.23	20.29	20.18
5	64QAM	12	7	20.42	20.24	20.29
5	64QAM	12	13	20.39	20.27	20.34
5	64QAM	25	0	20.33	20.30	20.24



LTE Band 18						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23965	23970	23975
Frequency (MHz)				826.5	827	827.5
5	QPSK	1	0	22.85	22.84	22.81
5	QPSK	1	12	23.02	22.96	23.01
5	QPSK	1	24	22.92	23.00	22.98
5	QPSK	12	0	21.95	22.04	21.97
5	QPSK	12	7	22.01	21.95	22.01
5	QPSK	12	13	22.06	22.08	22.05
5	QPSK	25	0	21.92	21.84	21.84
5	16QAM	1	0	22.08	22.19	22.16
5	16QAM	1	12	22.07	22.03	22.12
5	16QAM	1	24	22.20	22.22	22.19
5	16QAM	12	0	21.11	21.15	21.06
5	16QAM	12	7	20.95	20.89	20.97
5	16QAM	12	13	21.03	21.11	21.03
5	16QAM	25	0	20.78	20.94	20.85
5	64QAM	1	0	21.20	21.12	21.20
5	64QAM	1	12	21.28	21.31	21.29
5	64QAM	1	24	21.24	21.17	21.22
5	64QAM	12	0	20.03	20.14	20.10
5	64QAM	12	7	20.13	19.99	20.04
5	64QAM	12	13	20.07	19.94	19.99
5	64QAM	25	0	20.13	19.99	20.05



LTE Band 19						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				/	24075	/
Frequency (MHz)				/	837.5	/
15	QPSK	1	0	/	23.14	/
15	QPSK	1	37	/	22.87	/
15	QPSK	1	74	/	22.74	/
15	QPSK	36	0	/	22.01	/
15	QPSK	36	20	/	21.93	/
15	QPSK	36	39	/	21.94	/
15	QPSK	75	0	/	21.97	/
15	16QAM	1	0	/	22.29	/
15	16QAM	1	37	/	22.01	/
15	16QAM	1	74	/	22.03	/
15	16QAM	36	0	/	20.98	/
15	16QAM	36	20	/	20.88	/
15	16QAM	36	39	/	21.06	/
15	16QAM	75	0	/	20.95	/
15	64QAM	1	0	/	20.94	/
15	64QAM	1	37	/	21.02	/
15	64QAM	1	74	/	21.02	/
15	64QAM	36	0	/	20.01	/
15	64QAM	36	20	/	19.99	/
15	64QAM	36	39	/	20.02	/
15	64QAM	75	0	/	19.96	/



LTE Band 19						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				24050	24075	24100
Frequency (MHz)				835	837.5	840
10	QPSK	1	0	22.97	23.13	22.98
10	QPSK	1	25	22.93	22.83	22.80
10	QPSK	1	49	22.90	22.92	22.82
10	QPSK	25	0	22.02	21.98	21.96
10	QPSK	25	12	22.04	22.04	21.99
10	QPSK	25	25	22.06	22.09	22.05
10	QPSK	50	0	22.02	22.04	22.02
10	16QAM	1	0	22.42	22.38	22.11
10	16QAM	1	25	22.03	22.04	22.25
10	16QAM	1	49	21.99	22.19	22.41
10	16QAM	25	0	20.90	20.98	20.93
10	16QAM	25	12	20.96	21.02	21.03
10	16QAM	25	25	21.07	21.04	21.00
10	16QAM	50	0	20.99	21.01	21.02
10	64QAM	1	0	21.13	21.56	20.87
10	64QAM	1	25	21.25	21.25	21.37
10	64QAM	1	49	21.12	21.41	21.28
10	64QAM	25	0	19.99	19.97	19.96
10	64QAM	25	12	20.09	19.97	20.19
10	64QAM	25	25	20.03	20.01	19.99
10	64QAM	50	0	19.95	20.06	20.03



LTE Band 19						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				24025	24075	24125
Frequency (MHz)				832.5	837.5	842.5
5	QPSK	1	0	22.94	23.01	22.87
5	QPSK	1	12	22.93	22.95	22.99
5	QPSK	1	24	23.00	22.97	22.93
5	QPSK	12	0	22.00	22.04	21.94
5	QPSK	12	7	22.05	22.00	22.02
5	QPSK	12	13	21.94	22.03	21.97
5	QPSK	25	0	22.04	21.95	22.01
5	16QAM	1	0	22.41	22.41	21.89
5	16QAM	1	12	22.25	22.11	22.45
5	16QAM	1	24	22.38	22.07	22.45
5	16QAM	12	0	21.07	21.05	21.05
5	16QAM	12	7	21.07	21.00	21.05
5	16QAM	12	13	21.08	20.99	21.05
5	16QAM	25	0	21.15	21.02	20.86
5	64QAM	1	0	21.15	21.05	21.06
5	64QAM	1	12	21.33	21.31	21.29
5	64QAM	1	24	21.43	21.14	21.08
5	64QAM	12	0	20.00	20.00	20.04
5	64QAM	12	7	20.10	20.12	20.11
5	64QAM	12	13	20.06	20.15	20.00
5	64QAM	25	0	20.06	20.04	19.94



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				26865	26915	26965
Frequency (MHz)				831.5	836.5	841.5
15	QPSK	1	0	22.92	22.87	22.74
15	QPSK	1	37	22.73	22.81	22.67
15	QPSK	1	74	22.74	22.75	22.73
15	QPSK	36	0	21.99	21.91	21.82
15	QPSK	36	20	21.83	21.89	21.95
15	QPSK	36	39	21.90	21.85	21.85
15	QPSK	75	0	21.78	21.76	21.88
15	16QAM	1	0	22.27	22.19	22.25
15	16QAM	1	37	22.32	22.35	22.22
15	16QAM	1	74	22.13	22.18	21.70
15	16QAM	36	0	20.91	20.82	20.90
15	16QAM	36	20	20.79	20.75	20.89
15	16QAM	36	39	20.81	20.74	20.91
15	16QAM	75	0	20.73	20.80	20.80
15	64QAM	1	0	20.57	20.62	21.00
15	64QAM	1	37	20.91	20.96	21.14
15	64QAM	1	74	21.00	21.07	20.84
15	64QAM	36	0	19.93	19.96	19.91
15	64QAM	36	20	19.89	19.87	19.95
15	64QAM	36	39	19.84	19.93	19.92
15	64QAM	75	0	19.83	19.89	19.94



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				26840	26915	26990
Frequency (MHz)				829.0	836.5	844.0
10	QPSK	1	0	22.91	22.95	22.99
10	QPSK	1	25	22.87	22.82	22.82
10	QPSK	1	49	22.59	22.62	22.62
10	QPSK	25	0	21.84	21.98	21.91
10	QPSK	25	12	21.96	21.98	21.97
10	QPSK	25	25	21.88	21.84	21.82
10	QPSK	50	0	21.87	21.96	21.95
10	16QAM	1	0	22.35	22.31	22.34
10	16QAM	1	25	22.12	22.18	22.20
10	16QAM	1	49	21.77	21.62	21.69
10	16QAM	25	0	20.81	20.90	20.86
10	16QAM	25	12	21.00	20.94	21.02
10	16QAM	25	25	21.06	20.92	21.01
10	16QAM	50	0	20.91	20.96	20.89
10	64QAM	1	0	21.14	21.18	21.21
10	64QAM	1	25	20.57	20.62	20.60
10	64QAM	1	49	20.89	20.76	20.83
10	64QAM	25	0	19.80	19.95	19.88
10	64QAM	25	12	19.73	19.83	19.81
10	64QAM	25	25	19.98	19.92	19.92
10	64QAM	50	0	19.97	19.90	19.93



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	22.80	22.78	22.81
5	QPSK	1	12	22.92	22.79	22.86
5	QPSK	1	24	22.79	22.95	22.86
5	QPSK	12	0	21.87	21.87	21.89
5	QPSK	12	7	21.88	21.96	21.92
5	QPSK	12	13	21.91	21.76	21.83
5	QPSK	25	0	21.80	21.85	21.83
5	16QAM	1	0	22.13	22.23	22.21
5	16QAM	1	12	22.25	22.33	22.28
5	16QAM	1	24	22.14	22.23	22.21
5	16QAM	12	0	20.93	20.89	20.95
5	16QAM	12	7	20.93	20.94	20.89
5	16QAM	12	13	20.72	20.79	20.80
5	16QAM	25	0	20.91	20.78	20.85
5	64QAM	1	0	21.00	21.06	20.97
5	64QAM	1	12	20.93	21.00	20.95
5	64QAM	1	24	20.84	20.92	20.91
5	64QAM	12	0	19.92	19.89	19.88
5	64QAM	12	7	20.04	19.93	19.99
5	64QAM	12	13	19.90	19.84	19.90
5	64QAM	25	0	19.97	19.91	19.88



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	22.81	22.82	22.87
3	QPSK	1	8	22.91	22.92	22.94
3	QPSK	1	14	22.78	22.81	22.86
3	QPSK	8	0	21.94	22.00	21.91
3	QPSK	8	4	22.01	22.00	21.93
3	QPSK	8	7	21.96	21.93	21.88
3	QPSK	15	0	21.95	21.98	21.89
3	16QAM	1	0	22.12	22.15	22.06
3	16QAM	1	8	21.91	21.93	21.87
3	16QAM	1	14	22.19	22.08	22.14
3	16QAM	8	0	20.90	21.02	20.99
3	16QAM	8	4	20.99	21.00	21.05
3	16QAM	8	7	20.85	21.00	20.91
3	16QAM	15	0	20.91	20.99	21.00
3	64QAM	1	0	20.83	20.86	20.90
3	64QAM	1	8	21.16	21.15	21.07
3	64QAM	1	14	21.16	21.15	21.22
3	64QAM	8	0	19.94	19.96	19.93
3	64QAM	8	4	19.93	19.98	20.00
3	64QAM	8	7	20.11	20.06	20.09
3	64QAM	15	0	19.91	20.05	19.96



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	22.74	22.76	22.78
1.4	QPSK	1	3	22.80	22.81	22.73
1.4	QPSK	1	5	22.61	22.59	22.57
1.4	QPSK	3	0	22.78	22.67	22.76
1.4	QPSK	3	1	22.86	22.94	22.85
1.4	QPSK	3	3	22.69	22.78	22.74
1.4	QPSK	6	0	21.87	21.91	21.82
1.4	16QAM	1	0	21.65	21.70	21.71
1.4	16QAM	1	3	22.15	22.25	22.21
1.4	16QAM	1	5	22.22	22.18	22.20
1.4	16QAM	3	0	21.84	21.75	21.77
1.4	16QAM	3	1	21.82	21.86	21.86
1.4	16QAM	3	3	21.90	21.95	21.88
1.4	16QAM	6	0	21.13	20.99	21.04
1.4	64QAM	1	0	20.93	21.02	20.93
1.4	64QAM	1	3	21.15	21.13	21.22
1.4	64QAM	1	5	21.13	21.14	21.12
1.4	64QAM	3	0	21.06	20.95	20.99
1.4	64QAM	3	1	21.17	21.14	21.08
1.4	64QAM	3	3	20.97	20.98	20.98
1.4	64QAM	6	0	19.78	19.76	19.82



LTE Band 38						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				37850	38000	38150
Frequency (MHz)				2580	2595	2610
20	QPSK	1	0	22.85	23.04	22.91
20	QPSK	1	49	22.90	22.88	22.83
20	QPSK	1	99	22.87	22.96	22.84
20	QPSK	50	0	22.15	22.28	22.14
20	QPSK	50	24	22.29	22.24	22.08
20	QPSK	50	50	22.22	22.22	22.16
20	QPSK	100	0	22.25	22.22	22.15
20	16QAM	1	0	22.22	22.29	22.20
20	16QAM	1	49	22.37	22.25	22.29
20	16QAM	1	99	22.26	22.30	22.21
20	16QAM	50	0	21.16	21.26	21.19
20	16QAM	50	24	21.16	21.23	21.11
20	16QAM	50	50	21.18	21.24	21.29
20	16QAM	100	0	21.30	21.26	21.03
20	64QAM	1	0	21.14	21.15	21.11
20	64QAM	1	49	21.11	21.14	21.08
20	64QAM	1	99	21.13	21.11	21.15
20	64QAM	50	0	20.18	20.18	20.19
20	64QAM	50	24	20.29	20.30	20.18
20	64QAM	50	50	20.17	20.19	20.23
20	64QAM	100	0	20.29	20.30	20.11



LTE Band 38						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				37825	38000	38175
Frequency (MHz)				2577.5	2595	2612.5
15	QPSK	1	0	22.99	22.92	22.90
15	QPSK	1	37	22.95	23.03	22.95
15	QPSK	1	74	22.91	23.02	22.87
15	QPSK	36	0	22.09	22.11	22.16
15	QPSK	36	20	22.23	22.27	22.10
15	QPSK	36	39	22.12	22.17	22.18
15	QPSK	75	0	22.23	22.29	22.17
15	16QAM	1	0	22.24	22.38	22.15
15	16QAM	1	37	22.18	22.27	22.22
15	16QAM	1	74	22.29	22.36	22.20
15	16QAM	36	0	21.22	21.12	21.06
15	16QAM	36	20	21.15	21.18	21.11
15	16QAM	36	39	21.17	21.21	21.14
15	16QAM	75	0	21.22	21.20	21.17
15	64QAM	1	0	21.00	21.12	20.95
15	64QAM	1	37	21.15	21.21	21.16
15	64QAM	1	74	21.23	21.12	21.11
15	64QAM	36	0	20.19	20.15	20.12
15	64QAM	36	20	20.21	20.19	20.22
15	64QAM	36	39	20.18	20.24	20.15
15	64QAM	75	0	20.26	20.18	20.18



LTE Band 38						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				37800	38000	38200
Frequency (MHz)				2575	2595	2615
10	QPSK	1	0	23.02	22.99	22.95
10	QPSK	1	25	23.01	23.02	22.99
10	QPSK	1	49	23.01	23.02	23.01
10	QPSK	25	0	22.26	22.20	22.21
10	QPSK	25	12	22.26	22.30	22.13
10	QPSK	25	25	22.32	22.20	22.15
10	QPSK	50	0	22.30	22.23	22.24
10	16QAM	1	0	22.38	22.37	22.43
10	16QAM	1	25	22.31	22.38	22.30
10	16QAM	1	49	22.57	22.35	22.23
10	16QAM	25	0	21.29	21.03	21.18
10	16QAM	25	12	21.24	21.38	21.12
10	16QAM	25	25	21.17	21.29	21.20
10	16QAM	50	0	21.32	21.23	21.22
10	64QAM	1	0	21.33	21.35	21.36
10	64QAM	1	25	21.23	21.22	21.25
10	64QAM	1	49	21.10	21.41	21.23
10	64QAM	25	0	20.33	20.16	20.21
10	64QAM	25	12	20.28	20.25	20.25
10	64QAM	25	25	20.27	20.34	20.31
10	64QAM	50	0	20.20	20.25	20.26



LTE Band 38						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				37775	38000	38225
Frequency (MHz)				2572.5	2595	2617.5
5	QPSK	1	0	23.02	23.00	22.99
5	QPSK	1	12	23.01	22.97	22.95
5	QPSK	1	24	23.02	23.03	22.94
5	QPSK	12	0	22.19	22.23	22.14
5	QPSK	12	7	22.23	22.31	22.23
5	QPSK	12	13	22.17	22.28	22.18
5	QPSK	25	0	22.25	22.20	22.19
5	16QAM	1	0	22.41	22.43	22.30
5	16QAM	1	12	22.37	22.35	22.33
5	16QAM	1	24	22.44	22.43	22.29
5	16QAM	12	0	21.32	21.26	21.26
5	16QAM	12	7	21.31	21.30	21.17
5	16QAM	12	13	21.27	21.27	21.19
5	16QAM	25	0	21.28	21.22	21.14
5	64QAM	1	0	21.20	21.27	21.18
5	64QAM	1	12	21.26	21.22	21.25
5	64QAM	1	24	21.27	21.34	21.28
5	64QAM	12	0	20.32	20.26	20.19
5	64QAM	12	7	20.31	20.37	20.18
5	64QAM	12	13	20.24	20.25	20.21
5	64QAM	25	0	20.28	20.27	20.16



LTE Band 40, Block A						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				/	38750	/
Frequency (MHz)				/	2310	/
10	QPSK	1	0	/	22.91	/
10	QPSK	1	25	/	22.65	/
10	QPSK	1	49	/	22.67	/
10	QPSK	25	0	/	21.94	/
10	QPSK	25	12	/	21.92	/
10	QPSK	25	25	/	21.88	/
10	QPSK	50	0	/	21.92	/
10	16QAM	1	0	/	22.11	/
10	16QAM	1	25	/	22.03	/
10	16QAM	1	49	/	21.92	/
10	16QAM	25	0	/	21.08	/
10	16QAM	25	12	/	20.96	/
10	16QAM	25	25	/	20.93	/
10	16QAM	50	0	/	20.96	/
10	64QAM	1	0	/	20.97	/
10	64QAM	1	25	/	21.27	/
10	64QAM	1	49	/	20.88	/
10	64QAM	25	0	/	20.13	/
10	64QAM	25	12	/	20.08	/
10	64QAM	25	25	/	20.00	/
10	64QAM	50	0	/	20.01	/



LTE Band 40, Block A						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				38725	38750	38775
Frequency (MHz)				2307.5	2310	2312.5
5	QPSK	1	0	22.83	22.88	22.82
5	QPSK	1	12	22.75	22.65	22.71
5	QPSK	1	24	22.70	22.75	22.80
5	QPSK	12	0	22.03	21.93	21.88
5	QPSK	12	7	21.92	21.94	21.88
5	QPSK	12	13	21.88	21.96	21.86
5	QPSK	25	0	22.00	21.94	21.86
5	16QAM	1	0	22.19	22.13	22.07
5	16QAM	1	12	22.04	22.04	22.06
5	16QAM	1	24	22.09	22.09	22.10
5	16QAM	12	0	21.05	20.90	21.04
5	16QAM	12	7	21.01	20.96	20.95
5	16QAM	12	13	20.89	21.01	21.00
5	16QAM	25	0	20.91	20.95	20.91
5	64QAM	1	0	21.13	21.13	20.99
5	64QAM	1	12	20.99	20.99	20.98
5	64QAM	1	24	21.01	21.00	20.99
5	64QAM	12	0	20.06	20.01	19.97
5	64QAM	12	7	20.04	20.00	20.02
5	64QAM	12	13	19.92	19.97	19.89
5	64QAM	25	0	19.91	19.94	19.99



LTE Band 40, Block B						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				/	39200	/
Frequency (MHz)				/	2355	/
10	QPSK	1	0	/	22.89	/
10	QPSK	1	25	/	22.76	/
10	QPSK	1	49	/	22.81	/
10	QPSK	25	0	/	22.09	/
10	QPSK	25	12	/	22.01	/
10	QPSK	25	25	/	21.93	/
10	QPSK	50	0	/	22.09	/
10	16QAM	1	0	/	22.15	/
10	16QAM	1	25	/	22.16	/
10	16QAM	1	49	/	22.08	/
10	16QAM	25	0	/	21.04	/
10	16QAM	25	12	/	21.11	/
10	16QAM	25	25	/	21.13	/
10	16QAM	50	0	/	21.15	/
10	64QAM	1	0	/	20.97	/
10	64QAM	1	25	/	21.26	/
10	64QAM	1	49	/	21.16	/
10	64QAM	25	0	/	20.04	/
10	64QAM	25	12	/	20.11	/
10	64QAM	25	25	/	20.08	/
10	64QAM	50	0	/	20.05	/



LTE Band 40, Block B						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39175	39200	39225
Frequency (MHz)				2352.5	2355	2357.5
5	QPSK	1	0	22.83	22.88	22.84
5	QPSK	1	12	22.82	22.83	22.69
5	QPSK	1	24	22.79	22.83	22.82
5	QPSK	12	0	22.00	22.08	21.96
5	QPSK	12	7	21.89	22.12	22.07
5	QPSK	12	13	22.06	21.98	22.01
5	QPSK	25	0	22.01	22.06	22.07
5	16QAM	1	0	22.18	22.32	22.28
5	16QAM	1	12	22.16	22.29	22.07
5	16QAM	1	24	22.26	22.26	22.22
5	16QAM	12	0	21.06	21.08	21.07
5	16QAM	12	7	21.04	21.14	21.06
5	16QAM	12	13	21.07	21.10	20.91
5	16QAM	25	0	21.00	21.09	21.01
5	64QAM	1	0	21.21	21.06	21.21
5	64QAM	1	12	21.04	21.03	21.00
5	64QAM	1	24	21.14	21.12	21.11
5	64QAM	12	0	20.08	20.08	20.05
5	64QAM	12	7	19.98	20.05	20.11
5	64QAM	12	13	20.03	20.07	20.03
5	64QAM	25	0	19.98	20.04	20.00



Bottom Antenna

LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18700	18900	19100
Frequency (MHz)				1860	1880	1900
20	QPSK	1	0	24.05	24.26	23.98
20	QPSK	1	49	23.88	24.04	23.81
20	QPSK	1	99	23.86	23.89	23.76
20	QPSK	50	0	23.15	23.26	23.11
20	QPSK	50	24	23.17	23.08	23.01
20	QPSK	50	50	23.01	22.99	22.94
20	QPSK	100	0	23.11	23.05	22.97
20	16QAM	1	0	23.74	23.75	23.53
20	16QAM	1	49	23.63	23.60	23.48
20	16QAM	1	99	23.77	23.65	23.50
20	16QAM	50	0	22.14	22.19	22.03
20	16QAM	50	24	22.29	22.05	22.04
20	16QAM	50	50	22.08	21.95	21.92
20	16QAM	100	0	22.15	22.06	22.05
20	64QAM	1	0	22.12	22.24	22.24
20	64QAM	1	49	22.08	22.21	22.17
20	64QAM	1	99	22.15	22.15	22.46
20	64QAM	50	0	21.16	20.84	21.09
20	64QAM	50	24	21.27	21.10	21.08
20	64QAM	50	50	20.88	21.06	20.97
20	64QAM	100	0	20.94	21.02	21.16



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18675	18900	19125
Frequency (MHz)				1857.5	1880	1902.5
15	QPSK	1	0	24.09	24.09	24.20
15	QPSK	1	37	23.95	23.85	23.94
15	QPSK	1	74	24.08	23.87	23.80
15	QPSK	36	0	23.16	23.07	23.01
15	QPSK	36	20	23.14	22.97	22.95
15	QPSK	36	39	23.11	23.03	22.89
15	QPSK	75	0	23.10	23.08	23.04
15	16QAM	1	0	23.27	23.50	23.22
15	16QAM	1	37	23.48	23.17	23.17
15	16QAM	1	74	23.14	23.10	23.54
15	16QAM	36	0	22.22	22.08	22.10
15	16QAM	36	20	22.11	22.10	21.97
15	16QAM	36	39	22.06	22.09	21.90
15	16QAM	75	0	22.12	22.02	22.03
15	64QAM	1	0	22.19	22.13	22.24
15	64QAM	1	37	22.27	22.14	22.16
15	64QAM	1	74	21.99	22.14	22.38
15	64QAM	36	0	21.09	20.82	21.13
15	64QAM	36	20	21.21	20.94	21.09
15	64QAM	36	39	21.02	20.94	21.02
15	64QAM	75	0	20.92	21.11	21.09



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18650	18900	19150
Frequency (MHz)				1855	1880	1905
10	QPSK	1	0	24.07	24.19	23.93
10	QPSK	1	25	23.92	23.78	23.80
10	QPSK	1	49	23.79	23.71	23.94
10	QPSK	25	0	23.18	23.17	23.01
10	QPSK	25	12	23.12	22.97	23.11
10	QPSK	25	25	23.07	22.97	22.89
10	QPSK	50	0	23.12	23.08	23.09
10	16QAM	1	0	23.46	23.66	23.22
10	16QAM	1	25	23.29	23.24	23.57
10	16QAM	1	49	23.32	23.33	23.44
10	16QAM	25	0	22.14	22.09	22.00
10	16QAM	25	12	22.00	22.04	21.91
10	16QAM	25	25	21.96	21.97	22.00
10	16QAM	50	0	22.12	21.96	22.03
10	64QAM	1	0	22.14	22.33	22.13
10	64QAM	1	25	22.18	22.45	22.34
10	64QAM	1	49	22.00	22.24	22.27
10	64QAM	25	0	21.13	20.76	21.13
10	64QAM	25	12	21.21	20.90	21.04
10	64QAM	25	25	20.91	21.04	20.96
10	64QAM	50	0	20.90	21.12	21.02



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18625	18900	19175
Frequency (MHz)				1852.5	1880	1907.5
5	QPSK	1	0	24.18	24.10	24.05
5	QPSK	1	12	23.99	23.82	23.89
5	QPSK	1	24	23.92	23.69	23.70
5	QPSK	12	0	23.17	23.21	23.08
5	QPSK	12	7	23.17	23.07	22.97
5	QPSK	12	13	23.01	23.12	22.92
5	QPSK	25	0	23.12	23.07	23.04
5	16QAM	1	0	23.44	23.42	23.70
5	16QAM	1	12	23.25	23.23	23.29
5	16QAM	1	24	23.17	23.16	23.14
5	16QAM	12	0	22.25	22.14	22.14
5	16QAM	12	7	22.20	22.02	21.97
5	16QAM	12	13	22.06	22.04	21.99
5	16QAM	25	0	22.15	22.16	22.01
5	64QAM	1	0	22.15	22.17	22.24
5	64QAM	1	12	22.12	22.33	22.24
5	64QAM	1	24	22.13	22.59	22.49
5	64QAM	12	0	21.21	20.82	21.17
5	64QAM	12	7	21.25	21.10	21.09
5	64QAM	12	13	20.98	21.04	20.98
5	64QAM	25	0	20.99	21.05	21.03



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18615	18900	19185
Frequency (MHz)				1851.5	1880	1908.5
3	QPSK	1	0	24.18	24.09	24.04
3	QPSK	1	8	23.87	23.94	23.88
3	QPSK	1	14	23.92	23.89	23.99
3	QPSK	8	0	23.18	23.14	23.13
3	QPSK	8	4	23.12	23.09	22.99
3	QPSK	8	7	23.14	23.07	22.96
3	QPSK	15	0	23.20	23.10	23.07
3	16QAM	1	0	23.41	23.49	23.37
3	16QAM	1	8	23.35	23.30	23.49
3	16QAM	1	14	23.18	23.33	23.23
3	16QAM	8	0	22.19	22.22	21.97
3	16QAM	8	4	22.12	22.00	21.99
3	16QAM	8	7	22.09	22.08	21.97
3	16QAM	15	0	22.22	22.00	22.03
3	64QAM	1	0	22.07	22.34	22.50
3	64QAM	1	8	22.28	22.39	22.28
3	64QAM	1	14	22.52	22.40	22.40
3	64QAM	8	0	21.17	20.79	21.20
3	64QAM	8	4	21.29	20.87	21.01
3	64QAM	8	7	20.89	21.07	20.95
3	64QAM	15	0	21.09	21.14	21.03



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18607	18900	19193
Frequency (MHz)				1850.7	1880	1909.3
1.4	QPSK	1	0	24.19	24.07	23.95
1.4	QPSK	1	3	23.92	23.94	24.04
1.4	QPSK	1	5	23.96	24.05	24.00
1.4	QPSK	3	0	23.18	23.19	23.05
1.4	QPSK	3	1	23.18	22.97	22.98
1.4	QPSK	3	3	23.03	23.05	22.94
1.4	QPSK	6	0	23.14	23.09	23.01
1.4	16QAM	1	0	23.36	23.61	23.65
1.4	16QAM	1	3	23.63	23.35	23.47
1.4	16QAM	1	5	23.28	23.26	23.30
1.4	16QAM	3	0	22.19	22.11	22.20
1.4	16QAM	3	1	22.21	22.17	21.97
1.4	16QAM	3	3	22.10	22.05	22.06
1.4	16QAM	6	0	22.19	22.05	22.00
1.4	64QAM	1	0	22.09	22.12	22.32
1.4	64QAM	1	3	22.06	22.39	22.00
1.4	64QAM	1	5	21.99	22.34	22.09
1.4	64QAM	3	0	21.20	20.80	21.09
1.4	64QAM	3	1	21.21	20.99	21.06
1.4	64QAM	3	3	21.01	21.09	20.98
1.4	64QAM	6	0	20.94	21.03	21.09



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	24.27	24.48	24.20
20	QPSK	1	49	24.10	24.26	24.03
20	QPSK	1	99	24.08	24.11	23.98
20	QPSK	50	0	23.37	23.48	23.33
20	QPSK	50	24	23.39	23.30	23.23
20	QPSK	50	50	23.23	23.21	23.16
20	QPSK	100	0	23.33	23.27	23.19
20	16QAM	1	0	23.96	23.97	23.75
20	16QAM	1	49	23.85	23.82	23.70
20	16QAM	1	99	23.99	23.87	23.72
20	16QAM	50	0	22.36	22.41	22.25
20	16QAM	50	24	22.51	22.27	22.26
20	16QAM	50	50	22.30	22.17	22.14
20	16QAM	100	0	22.37	22.28	22.27
20	64QAM	1	0	22.34	22.46	22.46
20	64QAM	1	49	22.30	22.43	22.39
20	64QAM	1	99	22.37	22.37	22.68
20	64QAM	50	0	21.38	21.06	21.31
20	64QAM	50	24	21.49	21.32	21.30
20	64QAM	50	50	21.10	21.28	21.19
20	64QAM	100	0	21.16	21.24	21.38



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	24.31	24.31	24.42
15	QPSK	1	37	24.17	24.07	24.16
15	QPSK	1	74	24.30	24.09	24.02
15	QPSK	36	0	23.38	23.29	23.23
15	QPSK	36	20	23.36	23.19	23.17
15	QPSK	36	39	23.33	23.25	23.11
15	QPSK	75	0	23.32	23.30	23.26
15	16QAM	1	0	23.49	23.72	23.44
15	16QAM	1	37	23.70	23.39	23.39
15	16QAM	1	74	23.36	23.32	23.76
15	16QAM	36	0	22.44	22.30	22.32
15	16QAM	36	20	22.33	22.32	22.19
15	16QAM	36	39	22.28	22.31	22.12
15	16QAM	75	0	22.34	22.24	22.25
15	64QAM	1	0	22.41	22.35	22.46
15	64QAM	1	37	22.49	22.36	22.38
15	64QAM	1	74	22.21	22.36	22.60
15	64QAM	36	0	21.31	21.04	21.35
15	64QAM	36	20	21.43	21.16	21.31
15	64QAM	36	39	21.24	21.16	21.24
15	64QAM	75	0	21.14	21.33	21.31



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	24.29	24.41	24.15
10	QPSK	1	25	24.14	24.00	24.02
10	QPSK	1	49	24.01	23.93	24.16
10	QPSK	25	0	23.40	23.39	23.23
10	QPSK	25	12	23.34	23.19	23.33
10	QPSK	25	25	23.29	23.19	23.11
10	QPSK	50	0	23.34	23.30	23.31
10	16QAM	1	0	23.68	23.88	23.44
10	16QAM	1	25	23.51	23.46	23.79
10	16QAM	1	49	23.54	23.55	23.66
10	16QAM	25	0	22.36	22.31	22.22
10	16QAM	25	12	22.22	22.26	22.13
10	16QAM	25	25	22.18	22.19	22.22
10	16QAM	50	0	22.34	22.18	22.25
10	64QAM	1	0	22.36	22.55	22.35
10	64QAM	1	25	22.40	22.67	22.56
10	64QAM	1	49	22.22	22.46	22.49
10	64QAM	25	0	21.35	20.98	21.35
10	64QAM	25	12	21.43	21.12	21.26
10	64QAM	25	25	21.13	21.26	21.18
10	64QAM	50	0	21.12	21.34	21.24



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	24.40	24.32	24.27
5	QPSK	1	12	24.21	24.04	24.11
5	QPSK	1	24	24.14	23.91	23.92
5	QPSK	12	0	23.39	23.43	23.30
5	QPSK	12	7	23.39	23.29	23.19
5	QPSK	12	13	23.23	23.34	23.14
5	QPSK	25	0	23.34	23.29	23.26
5	16QAM	1	0	23.66	23.64	23.92
5	16QAM	1	12	23.47	23.45	23.51
5	16QAM	1	24	23.39	23.38	23.36
5	16QAM	12	0	22.47	22.36	22.36
5	16QAM	12	7	22.42	22.24	22.19
5	16QAM	12	13	22.28	22.26	22.21
5	16QAM	25	0	22.37	22.38	22.23
5	64QAM	1	0	22.37	22.39	22.46
5	64QAM	1	12	22.34	22.55	22.46
5	64QAM	1	24	22.35	22.81	22.71
5	64QAM	12	0	21.43	21.04	21.39
5	64QAM	12	7	21.47	21.32	21.31
5	64QAM	12	13	21.20	21.26	21.20
5	64QAM	25	0	21.21	21.27	21.25



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19965	20175	20385
Frequency (MHz)				1711.5	1732.5	1753.5
3	QPSK	1	0	24.40	24.31	24.26
3	QPSK	1	8	24.09	24.16	24.10
3	QPSK	1	14	24.14	24.11	24.21
3	QPSK	8	0	23.40	23.36	23.35
3	QPSK	8	4	23.34	23.31	23.21
3	QPSK	8	7	23.36	23.29	23.18
3	QPSK	15	0	23.42	23.32	23.29
3	16QAM	1	0	23.63	23.71	23.59
3	16QAM	1	8	23.57	23.52	23.71
3	16QAM	1	14	23.40	23.55	23.45
3	16QAM	8	0	22.41	22.44	22.19
3	16QAM	8	4	22.34	22.22	22.21
3	16QAM	8	7	22.31	22.30	22.19
3	16QAM	15	0	22.44	22.22	22.25
3	64QAM	1	0	22.29	22.56	22.72
3	64QAM	1	8	22.50	22.61	22.50
3	64QAM	1	14	22.74	22.62	22.62
3	64QAM	8	0	21.39	21.01	21.42
3	64QAM	8	4	21.51	21.09	21.23
3	64QAM	8	7	21.11	21.29	21.17
3	64QAM	15	0	21.31	21.36	21.25



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19957	20175	20393
Frequency (MHz)				1710.7	1732.5	1754.3
1.4	QPSK	1	0	24.41	24.29	24.17
1.4	QPSK	1	3	24.14	24.16	24.26
1.4	QPSK	1	5	24.18	24.27	24.22
1.4	QPSK	3	0	23.40	23.41	23.27
1.4	QPSK	3	1	23.40	23.19	23.20
1.4	QPSK	3	3	23.25	23.27	23.16
1.4	QPSK	6	0	23.36	23.31	23.23
1.4	16QAM	1	0	23.58	23.83	23.87
1.4	16QAM	1	3	23.85	23.57	23.69
1.4	16QAM	1	5	23.50	23.48	23.52
1.4	16QAM	3	0	22.41	22.33	22.42
1.4	16QAM	3	1	22.43	22.39	22.19
1.4	16QAM	3	3	22.32	22.27	22.28
1.4	16QAM	6	0	22.41	22.27	22.22
1.4	64QAM	1	0	22.31	22.34	22.54
1.4	64QAM	1	3	22.28	22.61	22.22
1.4	64QAM	1	5	22.21	22.56	22.31
1.4	64QAM	3	0	21.42	21.02	21.31
1.4	64QAM	3	1	21.43	21.21	21.28
1.4	64QAM	3	3	21.23	21.31	21.20
1.4	64QAM	6	0	21.16	21.25	21.31



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	24.24	24.59	24.50
10	QPSK	1	25	24.27	24.45	24.50
10	QPSK	1	49	24.27	24.43	24.44
10	QPSK	25	0	23.50	23.55	23.45
10	QPSK	25	12	23.54	23.54	23.52
10	QPSK	25	25	23.43	23.49	23.48
10	QPSK	50	0	23.50	23.48	23.46
10	16QAM	1	0	23.59	23.89	23.74
10	16QAM	1	25	23.92	23.71	23.96
10	16QAM	1	49	23.91	23.70	23.91
10	16QAM	25	0	22.55	22.51	22.47
10	16QAM	25	12	22.68	22.57	22.60
10	16QAM	25	25	22.39	22.57	22.59
10	16QAM	50	0	22.52	22.41	22.40
10	64QAM	1	0	23.03	22.81	22.80
10	64QAM	1	25	22.74	22.95	22.60
10	64QAM	1	49	22.71	22.77	22.54
10	64QAM	25	0	21.59	21.48	21.52
10	64QAM	25	12	21.60	21.53	21.47
10	64QAM	25	25	21.50	21.51	21.42
10	64QAM	50	0	21.55	21.51	21.53



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	24.42	24.45	24.41
5	QPSK	1	12	24.41	24.52	24.53
5	QPSK	1	24	24.43	24.47	24.35
5	QPSK	12	0	23.50	23.55	23.56
5	QPSK	12	7	23.50	23.51	23.52
5	QPSK	12	13	23.49	23.53	23.50
5	QPSK	25	0	23.45	23.47	23.45
5	16QAM	1	0	23.83	23.93	23.70
5	16QAM	1	12	23.86	23.92	23.74
5	16QAM	1	24	23.85	23.92	23.67
5	16QAM	12	0	22.50	22.64	22.58
5	16QAM	12	7	22.59	22.65	22.49
5	16QAM	12	13	22.45	22.48	22.54
5	16QAM	25	0	22.47	22.59	22.47
5	64QAM	1	0	22.81	22.65	22.70
5	64QAM	1	12	22.59	22.63	22.69
5	64QAM	1	24	22.56	22.54	22.70
5	64QAM	12	0	21.58	21.62	21.58
5	64QAM	12	7	21.55	21.63	21.53
5	64QAM	12	13	21.48	21.62	21.54
5	64QAM	25	0	21.51	21.52	21.54



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	24.24	24.38	24.39
3	QPSK	1	8	24.39	24.47	24.48
3	QPSK	1	14	24.30	24.27	24.29
3	QPSK	8	0	23.39	23.52	23.39
3	QPSK	8	4	23.42	23.56	23.50
3	QPSK	8	7	23.37	23.40	23.42
3	QPSK	15	0	23.38	23.40	23.50
3	16QAM	1	0	23.70	23.51	23.52
3	16QAM	1	8	23.77	23.74	23.79
3	16QAM	1	14	23.84	23.38	23.51
3	16QAM	8	0	22.50	22.48	22.54
3	16QAM	8	4	22.46	22.62	22.62
3	16QAM	8	7	22.28	22.54	22.39
3	16QAM	15	0	22.56	22.40	22.51
3	64QAM	1	0	22.66	22.74	22.79
3	64QAM	1	8	22.84	22.77	22.81
3	64QAM	1	14	22.37	22.45	22.48
3	64QAM	8	0	21.44	21.51	21.50
3	64QAM	8	4	21.59	21.56	21.53
3	64QAM	8	7	21.38	21.49	21.57
3	64QAM	15	0	21.49	21.50	21.49



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	24.28	24.32	24.29
1.4	QPSK	1	3	24.27	24.33	24.30
1.4	QPSK	1	5	24.16	24.25	24.20
1.4	QPSK	3	0	24.29	24.19	24.32
1.4	QPSK	3	1	24.30	24.28	24.44
1.4	QPSK	3	3	24.19	24.36	24.34
1.4	QPSK	6	0	23.28	23.34	23.42
1.4	16QAM	1	0	23.51	23.76	23.68
1.4	16QAM	1	3	23.72	23.97	23.54
1.4	16QAM	1	5	23.51	23.85	23.52
1.4	16QAM	3	0	23.43	23.38	23.46
1.4	16QAM	3	1	23.44	23.38	23.44
1.4	16QAM	3	3	23.18	23.31	23.20
1.4	16QAM	6	0	22.39	22.43	22.40
1.4	64QAM	1	0	22.37	22.45	22.50
1.4	64QAM	1	3	22.72	22.79	22.67
1.4	64QAM	1	5	22.33	22.33	22.39
1.4	64QAM	3	0	22.40	22.19	22.48
1.4	64QAM	3	1	22.30	22.49	22.31
1.4	64QAM	3	3	22.49	22.52	22.58
1.4	64QAM	6	0	21.38	21.36	21.41



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	24.22	24.25	24.21
20	QPSK	1	49	24.12	24.20	24.06
20	QPSK	1	99	24.06	24.08	24.13
20	QPSK	50	0	23.10	23.38	23.19
20	QPSK	50	24	23.24	23.35	23.18
20	QPSK	50	50	23.28	23.30	23.19
20	QPSK	100	0	23.24	23.26	23.20
20	16QAM	1	0	23.25	23.53	23.55
20	16QAM	1	49	23.84	23.69	23.39
20	16QAM	1	99	23.73	23.47	23.32
20	16QAM	50	0	22.06	22.18	22.11
20	16QAM	50	24	22.25	22.31	22.27
20	16QAM	50	50	22.23	22.37	22.19
20	16QAM	100	0	22.28	22.29	22.22
20	64QAM	1	0	21.97	22.43	22.11
20	64QAM	1	49	22.60	22.55	22.39
20	64QAM	1	99	22.51	22.65	22.43
20	64QAM	50	0	21.20	21.19	21.12
20	64QAM	50	24	21.37	21.35	21.25
20	64QAM	50	50	21.30	21.28	21.28
20	64QAM	100	0	21.27	21.36	21.25



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20825	21100	21375
Frequency (MHz)				2507.5	2535	2562.5
15	QPSK	1	0	24.10	24.13	24.04
15	QPSK	1	37	24.14	24.17	24.14
15	QPSK	1	74	24.22	24.12	24.17
15	QPSK	36	0	23.16	23.23	23.13
15	QPSK	36	20	23.30	23.25	23.23
15	QPSK	36	39	23.24	23.31	23.27
15	QPSK	75	0	23.27	23.19	23.23
15	16QAM	1	0	23.26	23.77	23.63
15	16QAM	1	37	23.83	23.38	23.58
15	16QAM	1	74	23.43	23.33	23.37
15	16QAM	36	0	22.30	22.11	21.98
15	16QAM	36	20	22.22	22.27	22.16
15	16QAM	36	39	22.21	22.27	22.21
15	16QAM	75	0	22.31	22.29	22.25
15	64QAM	1	0	22.22	22.47	22.34
15	64QAM	1	37	22.05	22.49	22.40
15	64QAM	1	74	22.65	22.59	22.52
15	64QAM	36	0	21.23	21.29	21.15
15	64QAM	36	20	21.30	21.25	21.13
15	64QAM	36	39	21.33	21.29	21.31
15	64QAM	75	0	21.24	21.29	21.27



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	24.00	24.18	24.00
10	QPSK	1	25	24.07	24.06	23.97
10	QPSK	1	49	24.03	24.19	24.23
10	QPSK	25	0	23.25	23.27	23.21
10	QPSK	25	12	23.29	23.32	23.30
10	QPSK	25	25	23.32	23.25	23.24
10	QPSK	50	0	23.24	23.26	23.25
10	16QAM	1	0	23.37	23.73	23.47
10	16QAM	1	25	23.10	23.62	23.08
10	16QAM	1	49	23.65	23.59	23.58
10	16QAM	25	0	22.36	22.20	22.12
10	16QAM	25	12	22.26	22.28	22.24
10	16QAM	25	25	22.39	22.08	22.23
10	16QAM	50	0	22.31	22.38	22.23
10	64QAM	1	0	22.26	22.40	22.28
10	64QAM	1	25	22.22	22.77	22.58
10	64QAM	1	49	22.53	22.15	22.34
10	64QAM	25	0	21.32	21.19	21.18
10	64QAM	25	12	21.32	21.29	21.31
10	64QAM	25	25	21.19	21.29	21.23
10	64QAM	50	0	21.26	21.34	21.28



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	24.01	24.12	24.02
5	QPSK	1	12	24.11	24.03	24.13
5	QPSK	1	24	24.07	24.12	24.17
5	QPSK	12	0	23.29	23.22	23.11
5	QPSK	12	7	23.19	23.29	23.22
5	QPSK	12	13	23.22	23.31	23.22
5	QPSK	25	0	23.22	23.22	23.18
5	16QAM	1	0	23.45	23.36	23.51
5	16QAM	1	12	23.03	23.62	23.29
5	16QAM	1	24	23.26	23.35	23.45
5	16QAM	12	0	22.22	22.35	22.20
5	16QAM	12	7	22.20	22.36	22.24
5	16QAM	12	13	22.26	22.29	22.27
5	16QAM	25	0	22.27	22.34	22.22
5	64QAM	1	0	22.27	22.29	22.28
5	64QAM	1	12	22.34	22.08	22.52
5	64QAM	1	24	22.41	22.27	22.06
5	64QAM	12	0	21.36	21.32	21.35
5	64QAM	12	7	21.27	21.26	21.27
5	64QAM	12	13	21.25	21.24	21.40
5	64QAM	25	0	21.24	21.30	21.13



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	24.42	24.69	24.50
10	QPSK	1	25	24.54	24.43	24.32
10	QPSK	1	49	24.49	24.54	24.41
10	QPSK	25	0	23.65	23.69	23.61
10	QPSK	25	12	23.64	23.59	23.80
10	QPSK	25	25	23.58	23.59	23.65
10	QPSK	50	0	23.78	23.61	23.76
10	16QAM	1	0	23.73	23.69	23.75
10	16QAM	1	25	23.69	24.17	24.13
10	16QAM	1	49	23.77	23.73	23.80
10	16QAM	25	0	22.70	22.78	22.72
10	16QAM	25	12	22.70	22.57	22.80
10	16QAM	25	25	22.64	22.62	22.77
10	16QAM	50	0	22.66	22.63	22.68
10	64QAM	1	0	22.76	22.78	22.88
10	64QAM	1	25	23.02	22.47	22.45
10	64QAM	1	49	22.92	22.76	23.01
10	64QAM	25	0	21.54	21.57	21.65
10	64QAM	25	12	21.71	21.55	21.74
10	64QAM	25	25	21.69	21.86	21.49
10	64QAM	50	0	21.67	21.61	21.50



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	24.63	24.53	24.42
5	QPSK	1	12	24.49	24.66	24.59
5	QPSK	1	24	24.44	24.52	24.62
5	QPSK	12	0	23.68	23.67	23.67
5	QPSK	12	7	23.71	23.64	23.65
5	QPSK	12	13	23.64	23.64	23.56
5	QPSK	25	0	23.69	23.54	23.56
5	16QAM	1	0	23.71	23.50	24.03
5	16QAM	1	12	23.71	23.76	24.03
5	16QAM	1	24	24.10	24.14	23.94
5	16QAM	12	0	22.66	22.62	22.74
5	16QAM	12	7	22.73	22.77	22.54
5	16QAM	12	13	22.65	22.69	22.71
5	16QAM	25	0	22.66	22.60	22.58
5	64QAM	1	0	22.67	22.89	22.18
5	64QAM	1	12	22.76	22.89	22.46
5	64QAM	1	24	22.54	22.93	22.51
5	64QAM	12	0	21.54	21.81	21.18
5	64QAM	12	7	21.63	21.80	21.23
5	64QAM	12	13	21.81	21.72	21.42
5	64QAM	25	0	21.76	21.56	21.37



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	24.55	24.53	24.52
3	QPSK	1	8	24.58	24.57	24.60
3	QPSK	1	14	24.54	24.49	24.53
3	QPSK	8	0	23.62	23.58	23.60
3	QPSK	8	4	23.64	23.68	23.71
3	QPSK	8	7	23.59	23.65	23.63
3	QPSK	15	0	23.70	23.57	23.58
3	16QAM	1	0	23.75	23.55	23.64
3	16QAM	1	8	23.71	24.20	24.17
3	16QAM	1	14	24.06	23.79	23.61
3	16QAM	8	0	22.66	22.73	22.79
3	16QAM	8	4	22.73	22.84	22.82
3	16QAM	8	7	22.74	22.58	22.62
3	16QAM	15	0	22.74	22.52	22.63
3	64QAM	1	0	22.45	22.69	22.30
3	64QAM	1	8	23.01	23.09	22.35
3	64QAM	1	14	22.80	22.92	22.32
3	64QAM	8	0	21.68	21.67	21.27
3	64QAM	8	4	21.48	21.65	21.34
3	64QAM	8	7	21.64	21.86	21.72
3	64QAM	15	0	21.64	21.61	21.38



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	24.51	24.41	24.42
1.4	QPSK	1	3	24.44	24.51	24.53
1.4	QPSK	1	5	24.40	24.46	24.40
1.4	QPSK	3	0	24.49	24.37	24.49
1.4	QPSK	3	1	24.51	24.51	24.56
1.4	QPSK	3	3	24.46	24.45	24.45
1.4	QPSK	6	0	23.55	23.56	23.61
1.4	16QAM	1	0	23.49	24.00	23.63
1.4	16QAM	1	3	23.77	23.56	23.91
1.4	16QAM	1	5	23.65	23.84	23.91
1.4	16QAM	3	0	23.62	23.64	23.58
1.4	16QAM	3	1	23.69	23.69	23.81
1.4	16QAM	3	3	23.56	23.63	23.64
1.4	16QAM	6	0	22.80	22.58	22.64
1.4	64QAM	1	0	22.56	22.75	22.56
1.4	64QAM	1	3	22.76	22.58	22.72
1.4	64QAM	1	5	22.18	22.67	22.84
1.4	64QAM	3	0	22.77	22.39	22.72
1.4	64QAM	3	1	22.64	22.63	22.68
1.4	64QAM	3	3	22.72	22.67	22.76
1.4	64QAM	6	0	21.65	21.59	21.57



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	24.32	24.62	24.32
10	QPSK	1	25	24.35	24.33	24.40
10	QPSK	1	49	24.59	24.36	24.52
10	QPSK	25	0	23.46	23.66	23.38
10	QPSK	25	12	23.61	23.57	23.48
10	QPSK	25	25	23.60	23.59	23.56
10	QPSK	50	0	23.40	23.45	23.48
10	16QAM	1	0	23.89	23.73	23.40
10	16QAM	1	25	23.89	23.83	23.98
10	16QAM	1	49	24.04	24.07	23.45
10	16QAM	25	0	22.48	22.54	22.32
10	16QAM	25	12	22.48	22.50	22.58
10	16QAM	25	25	22.54	22.50	22.62
10	16QAM	50	0	22.40	22.42	22.50
10	64QAM	1	0	22.77	22.33	22.66
10	64QAM	1	25	22.30	22.80	22.66
10	64QAM	1	49	22.51	22.65	22.73
10	64QAM	25	0	21.50	21.47	21.40
10	64QAM	25	12	21.55	21.57	21.44
10	64QAM	25	25	21.54	21.65	21.64
10	64QAM	50	0	21.49	21.37	21.45



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	24.44	24.35	24.43
5	QPSK	1	12	24.58	24.37	24.32
5	QPSK	1	24	24.45	24.51	24.47
5	QPSK	12	0	23.53	23.53	23.49
5	QPSK	12	7	23.57	23.46	23.57
5	QPSK	12	13	23.60	23.51	23.60
5	QPSK	25	0	23.60	23.46	23.50
5	16QAM	1	0	23.94	23.50	23.89
5	16QAM	1	12	24.01	23.94	23.90
5	16QAM	1	24	23.86	24.00	23.72
5	16QAM	12	0	22.46	22.45	22.37
5	16QAM	12	7	22.59	22.50	22.62
5	16QAM	12	13	22.67	22.54	22.56
5	16QAM	25	0	22.51	22.54	22.53
5	64QAM	1	0	22.71	22.86	22.71
5	64QAM	1	12	22.67	22.79	22.22
5	64QAM	1	24	22.96	22.78	22.08
5	64QAM	12	0	21.69	21.50	21.43
5	64QAM	12	7	21.67	21.70	21.43
5	64QAM	12	13	21.63	21.59	21.62
5	64QAM	25	0	21.54	21.41	21.51



LTE Band 18						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23965	23970	23975
Frequency (MHz)				826.5	827	827.5
5	QPSK	1	0	24.17	24.09	24.23
5	QPSK	1	12	24.12	24.17	24.26
5	QPSK	1	24	24.13	24.09	24.21
5	QPSK	12	0	23.56	23.56	23.48
5	QPSK	12	7	23.61	23.49	23.51
5	QPSK	12	13	23.36	23.36	23.48
5	QPSK	25	0	23.51	23.53	23.48
5	16QAM	1	0	23.85	23.87	23.96
5	16QAM	1	12	23.58	23.62	23.66
5	16QAM	1	24	23.78	23.71	23.69
5	16QAM	12	0	22.35	22.45	22.41
5	16QAM	12	7	22.63	22.53	22.59
5	16QAM	12	13	22.58	22.54	22.57
5	16QAM	25	0	22.44	22.47	22.42
5	64QAM	1	0	22.60	22.65	22.71
5	64QAM	1	12	22.88	22.75	22.78
5	64QAM	1	24	22.60	22.67	22.65
5	64QAM	12	0	21.64	21.48	21.57
5	64QAM	12	7	21.41	21.41	21.53
5	64QAM	12	13	21.49	21.65	21.58
5	64QAM	25	0	21.43	21.58	21.55



LTE Band 19						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				/	24075	/
Frequency (MHz)				/	837.5	/
15	QPSK	1	0	/	24.39	/
15	QPSK	1	37	/	24.35	/
15	QPSK	1	74	/	24.23	/
15	QPSK	36	0	/	23.52	/
15	QPSK	36	20	/	23.41	/
15	QPSK	36	39	/	23.49	/
15	QPSK	75	0	/	23.49	/
15	16QAM	1	0	/	23.85	/
15	16QAM	1	37	/	23.87	/
15	16QAM	1	74	/	23.76	/
15	16QAM	36	0	/	22.46	/
15	16QAM	36	20	/	22.46	/
15	16QAM	36	39	/	22.37	/
15	16QAM	75	0	/	22.46	/
15	64QAM	1	0	/	22.48	/
15	64QAM	1	37	/	22.59	/
15	64QAM	1	74	/	22.43	/
15	64QAM	36	0	/	21.61	/
15	64QAM	36	20	/	21.44	/
15	64QAM	36	39	/	21.42	/
15	64QAM	75	0	/	21.47	/



LTE Band 19						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				24050	24075	24100
Frequency (MHz)				835	837.5	840
10	QPSK	1	0	24.41	24.42	24.39
10	QPSK	1	25	24.21	24.38	24.40
10	QPSK	1	49	24.26	24.53	24.26
10	QPSK	25	0	23.39	23.49	23.49
10	QPSK	25	12	23.60	23.53	23.47
10	QPSK	25	25	23.54	23.54	23.45
10	QPSK	50	0	23.49	23.49	23.54
10	16QAM	1	0	23.70	23.87	23.56
10	16QAM	1	25	23.57	23.71	23.72
10	16QAM	1	49	23.97	23.96	23.59
10	16QAM	25	0	22.35	22.42	22.53
10	16QAM	25	12	22.49	22.53	22.50
10	16QAM	25	25	22.44	22.59	22.53
10	16QAM	50	0	22.45	22.48	22.48
10	64QAM	1	0	22.61	22.72	22.79
10	64QAM	1	25	22.38	22.58	22.41
10	64QAM	1	49	22.87	22.71	22.67
10	64QAM	25	0	21.53	21.39	21.52
10	64QAM	25	12	21.54	21.43	21.53
10	64QAM	25	25	21.55	21.50	21.55
10	64QAM	50	0	21.57	21.52	21.54



LTE Band 19						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				24025	24075	24125
Frequency (MHz)				832.5	837.5	842.5
5	QPSK	1	0	24.43	24.46	24.39
5	QPSK	1	12	24.56	24.45	24.33
5	QPSK	1	24	24.46	24.43	24.45
5	QPSK	12	0	23.45	23.46	23.47
5	QPSK	12	7	23.55	23.48	23.46
5	QPSK	12	13	23.46	23.45	23.45
5	QPSK	25	0	23.56	23.50	23.39
5	16QAM	1	0	23.43	23.99	23.98
5	16QAM	1	12	23.37	23.99	23.58
5	16QAM	1	24	23.49	23.41	23.56
5	16QAM	12	0	22.55	22.58	22.48
5	16QAM	12	7	22.48	22.54	22.48
5	16QAM	12	13	22.47	22.53	22.52
5	16QAM	25	0	22.57	22.52	22.53
5	64QAM	1	0	22.79	22.82	22.53
5	64QAM	1	12	22.66	22.78	22.79
5	64QAM	1	24	22.65	22.37	22.75
5	64QAM	12	0	21.43	21.49	21.54
5	64QAM	12	7	21.58	21.51	21.61
5	64QAM	12	13	21.59	21.63	21.48
5	64QAM	25	0	21.53	21.43	21.50



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	24.49	24.36	24.39
15	QPSK	1	37	24.39	24.37	24.48
15	QPSK	1	74	24.41	24.33	24.37
15	QPSK	36	0	23.67	23.73	23.64
15	QPSK	36	20	23.65	23.69	23.66
15	QPSK	36	39	23.51	23.63	23.58
15	QPSK	75	0	23.51	23.74	23.65
15	16QAM	1	0	23.74	23.99	23.91
15	16QAM	1	37	23.75	23.46	23.42
15	16QAM	1	74	23.92	23.60	23.70
15	16QAM	36	0	22.64	22.51	22.56
15	16QAM	36	20	22.60	22.50	22.60
15	16QAM	36	39	22.67	22.51	22.66
15	16QAM	75	0	22.58	22.64	22.65
15	64QAM	1	0	22.40	22.68	22.81
15	64QAM	1	37	22.78	22.79	22.86
15	64QAM	1	74	22.71	22.51	22.48
15	64QAM	36	0	21.67	21.61	21.69
15	64QAM	36	20	21.46	21.58	21.65
15	64QAM	36	39	21.60	21.56	21.59
15	64QAM	75	0	21.64	21.68	21.60



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	24.43	24.38	24.40
10	QPSK	1	25	24.36	24.40	24.46
10	QPSK	1	49	24.12	24.31	24.23
10	QPSK	25	0	23.47	23.33	23.47
10	QPSK	25	12	23.46	23.54	23.51
10	QPSK	25	25	23.20	23.33	23.35
10	QPSK	50	0	23.41	23.65	23.52
10	16QAM	1	0	23.87	23.94	23.95
10	16QAM	1	25	23.65	23.67	23.54
10	16QAM	1	49	23.55	23.76	23.66
10	16QAM	25	0	22.49	22.26	22.41
10	16QAM	25	12	22.44	22.56	22.48
10	16QAM	25	25	22.20	22.24	22.27
10	16QAM	50	0	22.42	22.45	22.41
10	64QAM	1	0	22.81	22.65	22.70
10	64QAM	1	25	22.26	22.26	22.41
10	64QAM	1	49	22.54	22.47	22.49
10	64QAM	25	0	21.58	21.44	21.50
10	64QAM	25	12	21.39	21.69	21.54
10	64QAM	25	25	21.23	21.48	21.35
10	64QAM	50	0	21.27	21.32	21.40



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	24.42	24.43	24.42
5	QPSK	1	12	24.32	24.42	24.41
5	QPSK	1	24	24.41	24.41	24.40
5	QPSK	12	0	23.39	23.31	23.40
5	QPSK	12	7	23.43	23.30	23.34
5	QPSK	12	13	23.29	23.48	23.39
5	QPSK	25	0	24.40	24.48	24.33
5	16QAM	1	0	23.82	23.63	23.69
5	16QAM	1	12	23.77	23.84	23.70
5	16QAM	1	24	23.62	23.82	23.71
5	16QAM	12	0	22.55	22.40	22.44
5	16QAM	12	7	22.54	22.61	22.52
5	16QAM	12	13	22.36	22.41	22.46
5	16QAM	25	0	23.44	23.49	23.46
5	64QAM	1	0	22.61	22.55	22.48
5	64QAM	1	12	22.79	22.63	22.73
5	64QAM	1	24	22.66	22.64	22.73
5	64QAM	12	0	21.48	21.29	21.42
5	64QAM	12	7	21.59	21.42	21.49
5	64QAM	12	13	21.44	21.36	21.42
5	64QAM	25	0	22.63	22.61	22.52



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	24.36	24.35	24.31
3	QPSK	1	8	24.42	24.34	24.45
3	QPSK	1	14	24.32	24.37	24.33
3	QPSK	8	0	23.27	23.42	23.41
3	QPSK	8	4	23.63	23.37	23.52
3	QPSK	8	7	23.55	23.42	23.41
3	QPSK	15	0	23.39	23.32	23.43
3	16QAM	1	0	23.31	23.48	23.46
3	16QAM	1	8	23.71	23.77	23.62
3	16QAM	1	14	23.54	23.58	23.57
3	16QAM	8	0	22.53	22.51	22.38
3	16QAM	8	4	22.44	22.56	22.47
3	16QAM	8	7	22.64	22.47	22.52
3	16QAM	15	0	22.53	22.35	22.45
3	64QAM	1	0	22.75	22.53	22.65
3	64QAM	1	8	22.62	22.67	22.52
3	64QAM	1	14	22.68	22.55	22.68
3	64QAM	8	0	21.36	21.51	21.51
3	64QAM	8	4	21.27	21.29	21.41
3	64QAM	8	7	21.56	21.48	21.43
3	64QAM	15	0	21.35	21.33	21.33



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	24.33	24.18	24.31
1.4	QPSK	1	3	24.18	24.20	24.29
1.4	QPSK	1	5	24.36	24.23	24.23
1.4	QPSK	3	0	24.25	24.24	24.31
1.4	QPSK	3	1	24.47	24.27	24.38
1.4	QPSK	3	3	24.26	24.36	24.30
1.4	QPSK	6	0	23.57	23.28	23.43
1.4	16QAM	1	0	23.79	23.60	23.66
1.4	16QAM	1	3	23.62	23.36	23.49
1.4	16QAM	1	5	23.67	23.69	23.76
1.4	16QAM	3	0	23.51	23.40	23.40
1.4	16QAM	3	1	23.58	23.55	23.48
1.4	16QAM	3	3	23.48	23.27	23.34
1.4	16QAM	6	0	22.54	22.50	22.50
1.4	64QAM	1	0	22.60	22.63	22.59
1.4	64QAM	1	3	22.35	22.40	22.33
1.4	64QAM	1	5	22.44	22.50	22.38
1.4	64QAM	3	0	22.49	22.64	22.60
1.4	64QAM	3	1	22.46	22.38	22.51
1.4	64QAM	3	3	22.59	22.52	22.57
1.4	64QAM	6	0	21.52	21.33	21.38



LTE Band 38						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				37850	38000	38150
Frequency (MHz)				2580	2595	2610
20	QPSK	1	0	24.05	24.17	24.10
20	QPSK	1	49	24.16	24.04	24.13
20	QPSK	1	99	24.07	24.04	24.08
20	QPSK	50	0	23.34	23.48	23.30
20	QPSK	50	24	23.39	23.45	23.31
20	QPSK	50	50	23.40	23.33	23.34
20	QPSK	100	0	23.42	23.33	23.26
20	16QAM	1	0	23.56	23.41	23.43
20	16QAM	1	49	23.45	23.35	23.48
20	16QAM	1	99	23.46	23.38	23.46
20	16QAM	50	0	22.25	22.38	22.33
20	16QAM	50	24	22.38	22.36	22.28
20	16QAM	50	50	22.45	22.42	22.30
20	16QAM	100	0	22.37	22.42	22.34
20	64QAM	1	0	22.29	22.25	22.22
20	64QAM	1	49	22.32	22.25	22.38
20	64QAM	1	99	22.32	22.35	22.39
20	64QAM	50	0	21.39	21.37	21.34
20	64QAM	50	24	21.44	21.38	21.35
20	64QAM	50	50	21.43	21.35	21.44
20	64QAM	100	0	21.45	21.37	21.26



LTE Band 38						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				37825	38000	38175
Frequency (MHz)				2577.5	2595	2612.5
15	QPSK	1	0	24.08	24.16	24.10
15	QPSK	1	37	24.16	24.12	24.17
15	QPSK	1	74	24.06	24.02	24.04
15	QPSK	36	0	23.37	23.31	23.31
15	QPSK	36	20	23.40	23.35	23.37
15	QPSK	36	39	23.42	23.39	23.32
15	QPSK	75	0	23.44	23.42	23.35
15	16QAM	1	0	23.44	23.41	23.39
15	16QAM	1	37	23.35	23.39	23.44
15	16QAM	1	74	23.52	23.46	23.49
15	16QAM	36	0	22.35	22.29	22.34
15	16QAM	36	20	22.28	22.28	22.29
15	16QAM	36	39	22.33	22.29	22.28
15	16QAM	75	0	22.39	22.35	22.32
15	64QAM	1	0	22.44	22.25	22.20
15	64QAM	1	37	22.33	22.35	22.28
15	64QAM	1	74	22.30	22.23	22.33
15	64QAM	36	0	21.40	21.30	21.25
15	64QAM	36	20	21.33	21.42	21.31
15	64QAM	36	39	21.43	21.31	21.37
15	64QAM	75	0	21.41	21.39	21.34



LTE Band 38						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				37800	38000	38200
Frequency (MHz)				2575	2595	2615
10	QPSK	1	0	24.17	24.14	24.11
10	QPSK	1	25	24.13	24.11	24.07
10	QPSK	1	49	24.05	24.12	24.12
10	QPSK	25	0	23.44	23.30	23.34
10	QPSK	25	12	23.48	23.39	23.33
10	QPSK	25	25	23.40	23.45	23.36
10	QPSK	50	0	23.45	23.41	23.33
10	16QAM	1	0	23.59	23.50	23.68
10	16QAM	1	25	23.48	23.50	23.52
10	16QAM	1	49	23.52	23.49	23.51
10	16QAM	25	0	22.44	22.29	22.21
10	16QAM	25	12	22.47	22.44	22.42
10	16QAM	25	25	22.42	22.34	22.33
10	16QAM	50	0	22.47	22.46	22.44
10	64QAM	1	0	22.58	22.54	22.51
10	64QAM	1	25	22.58	22.61	22.55
10	64QAM	1	49	22.43	22.58	22.37
10	64QAM	25	0	21.46	21.44	21.45
10	64QAM	25	12	21.45	21.41	21.31
10	64QAM	25	25	21.47	21.44	21.41
10	64QAM	50	0	21.42	21.39	21.45



LTE Band 38						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				37775	38000	38225
Frequency (MHz)				2572.5	2595	2617.5
5	QPSK	1	0	24.08	24.12	24.14
5	QPSK	1	12	24.10	24.09	24.10
5	QPSK	1	24	24.13	24.15	24.11
5	QPSK	12	0	23.38	23.36	23.22
5	QPSK	12	7	23.41	23.40	23.28
5	QPSK	12	13	23.37	23.36	23.34
5	QPSK	25	0	23.40	23.36	23.23
5	16QAM	1	0	23.58	23.54	23.45
5	16QAM	1	12	23.55	23.47	23.52
5	16QAM	1	24	23.59	23.51	23.46
5	16QAM	12	0	22.38	22.33	22.31
5	16QAM	12	7	22.46	22.46	22.34
5	16QAM	12	13	22.34	22.37	22.36
5	16QAM	25	0	22.39	22.34	22.33
5	64QAM	1	0	22.43	22.45	22.42
5	64QAM	1	12	22.40	22.46	22.43
5	64QAM	1	24	22.46	22.43	22.44
5	64QAM	12	0	21.49	21.47	21.33
5	64QAM	12	7	21.47	21.36	21.35
5	64QAM	12	13	21.39	21.36	21.46
5	64QAM	25	0	21.45	21.43	21.33



LTE Band 40, Block A						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				/	38750	/
Frequency (MHz)				/	2310	/
10	QPSK	1	0	/	24.13	/
10	QPSK	1	25	/	24.01	/
10	QPSK	1	49	/	24.11	/
10	QPSK	25	0	/	23.23	/
10	QPSK	25	12	/	23.20	/
10	QPSK	25	25	/	23.22	/
10	QPSK	50	0	/	23.30	/
10	16QAM	1	0	/	23.46	/
10	16QAM	1	25	/	23.37	/
10	16QAM	1	49	/	23.36	/
10	16QAM	25	0	/	22.35	/
10	16QAM	25	12	/	22.32	/
10	16QAM	25	25	/	22.19	/
10	16QAM	50	0	/	22.25	/
10	64QAM	1	0	/	22.35	/
10	64QAM	1	25	/	22.25	/
10	64QAM	1	49	/	22.29	/
10	64QAM	25	0	/	21.29	/
10	64QAM	25	12	/	21.33	/
10	64QAM	25	25	/	21.29	/
10	64QAM	50	0	/	21.21	/



LTE Band 40, Block A						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				38725	38750	38775
Frequency (MHz)				2307.5	2310	2312.5
5	QPSK	1	0	23.93	24.01	23.88
5	QPSK	1	12	23.83	23.80	23.79
5	QPSK	1	24	23.78	23.84	23.82
5	QPSK	12	0	22.97	23.04	23.05
5	QPSK	12	7	22.98	23.01	23.06
5	QPSK	12	13	23.07	22.97	23.01
5	QPSK	25	0	22.98	23.08	23.06
5	16QAM	1	0	23.25	23.33	23.20
5	16QAM	1	12	23.25	23.23	23.28
5	16QAM	1	24	23.16	23.20	23.23
5	16QAM	12	0	22.00	22.12	22.10
5	16QAM	12	7	22.03	22.08	22.07
5	16QAM	12	13	22.02	22.09	22.08
5	16QAM	25	0	22.05	22.09	22.07
5	64QAM	1	0	22.13	22.18	22.07
5	64QAM	1	12	22.05	22.03	22.10
5	64QAM	1	24	22.09	22.07	22.15
5	64QAM	12	0	21.13	21.05	21.09
5	64QAM	12	7	21.14	21.09	21.06
5	64QAM	12	13	21.04	21.12	21.12
5	64QAM	25	0	21.08	21.14	21.15



LTE Band 40, Block B						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				/	39200	/
Frequency (MHz)				/	2355	/
10	QPSK	1	0	/	24.15	/
10	QPSK	1	25	/	24.12	/
10	QPSK	1	49	/	24.06	/
10	QPSK	25	0	/	23.37	/
10	QPSK	25	12	/	23.31	/
10	QPSK	25	25	/	23.30	/
10	QPSK	50	0	/	23.38	/
10	16QAM	1	0	/	23.46	/
10	16QAM	1	25	/	23.43	/
10	16QAM	1	49	/	23.46	/
10	16QAM	25	0	/	22.31	/
10	16QAM	25	12	/	22.35	/
10	16QAM	25	25	/	22.35	/
10	16QAM	50	0	/	22.27	/
10	64QAM	1	0	/	22.27	/
10	64QAM	1	25	/	22.55	/
10	64QAM	1	49	/	22.29	/
10	64QAM	25	0	/	21.26	/
10	64QAM	25	12	/	21.45	/
10	64QAM	25	25	/	21.42	/
10	64QAM	50	0	/	21.33	/



LTE Band 40, Block B						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39175	39200	39225
Frequency (MHz)				2352.5	2355	2357.5
5	QPSK	1	0	24.00	23.98	24.01
5	QPSK	1	12	23.82	23.87	23.88
5	QPSK	1	24	24.01	23.89	24.09
5	QPSK	12	0	23.10	23.11	23.08
5	QPSK	12	7	22.99	23.01	23.08
5	QPSK	12	13	23.14	23.08	23.10
5	QPSK	25	0	23.04	23.12	23.13
5	16QAM	1	0	23.27	23.37	23.44
5	16QAM	1	12	23.18	23.26	23.29
5	16QAM	1	24	23.27	23.35	23.33
5	16QAM	12	0	22.17	22.27	22.18
5	16QAM	12	7	22.04	22.18	22.13
5	16QAM	12	13	22.12	22.14	22.19
5	16QAM	25	0	22.09	22.21	22.23
5	64QAM	1	0	22.16	22.22	22.28
5	64QAM	1	12	22.15	22.22	22.18
5	64QAM	1	24	22.26	22.13	22.32
5	64QAM	12	0	21.13	21.18	21.15
5	64QAM	12	7	21.20	21.15	21.22
5	64QAM	12	13	21.16	21.15	21.08
5	64QAM	25	0	21.17	21.15	21.10



Effective Radiated Power and Effective Isotropic Radiated Power

Top Antenna

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	17.60	0.058	17.64	0.058	17.44	0.055
20	QPSK	1	49	17.31	0.054	17.24	0.053	17.26	0.053
20	QPSK	1	99	17.29	0.054	17.30	0.054	17.28	0.053
20	QPSK	50	0	16.59	0.046	16.62	0.046	16.56	0.045
20	QPSK	50	24	16.56	0.045	16.31	0.043	16.49	0.045
20	QPSK	50	50	16.48	0.044	16.42	0.044	16.46	0.044
20	QPSK	100	0	16.61	0.046	16.54	0.045	16.52	0.045
20	16QAM	1	0	16.71	0.047	16.68	0.047	16.59	0.046
20	16QAM	1	49	16.60	0.046	16.55	0.045	16.62	0.046
20	16QAM	1	99	16.58	0.045	16.49	0.045	16.44	0.044
20	16QAM	50	0	15.49	0.035	15.59	0.036	15.49	0.035
20	16QAM	50	24	15.64	0.037	15.38	0.035	15.36	0.034
20	16QAM	50	50	15.56	0.036	15.50	0.035	15.43	0.035
20	16QAM	100	0	15.53	0.036	15.52	0.036	15.46	0.035
20	64QAM	1	0	15.49	0.035	15.50	0.035	15.66	0.037
20	64QAM	1	49	15.57	0.036	15.63	0.037	15.44	0.035
20	64QAM	1	99	15.26	0.034	15.62	0.036	15.53	0.036
20	64QAM	50	0	14.72	0.030	14.02	0.025	14.55	0.029
20	64QAM	50	24	14.56	0.029	14.19	0.026	14.42	0.028
20	64QAM	50	50	14.24	0.027	14.45	0.028	14.49	0.028
20	64QAM	100	0	14.37	0.027	14.47	0.028	14.48	0.028



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	17.49	0.056	17.47	0.056	17.47	0.056
15	QPSK	1	37	17.38	0.055	17.43	0.055	17.40	0.055
15	QPSK	1	74	17.31	0.054	17.25	0.053	17.21	0.053
15	QPSK	36	0	16.56	0.045	16.53	0.045	16.48	0.044
15	QPSK	36	20	16.58	0.045	16.48	0.044	16.53	0.045
15	QPSK	36	39	16.49	0.045	16.42	0.044	16.41	0.044
15	QPSK	75	0	16.60	0.046	16.46	0.044	16.42	0.044
15	16QAM	1	0	16.72	0.047	16.70	0.047	16.68	0.047
15	16QAM	1	37	16.59	0.046	16.65	0.046	16.60	0.046
15	16QAM	1	74	16.61	0.046	16.63	0.046	16.61	0.046
15	16QAM	36	0	15.55	0.036	15.52	0.036	15.59	0.036
15	16QAM	36	20	15.50	0.035	15.51	0.036	15.52	0.036
15	16QAM	36	39	15.46	0.035	15.44	0.035	15.45	0.035
15	16QAM	75	0	15.57	0.036	15.50	0.035	15.43	0.035
15	64QAM	1	0	15.34	0.034	15.62	0.036	15.72	0.037
15	64QAM	1	37	15.35	0.034	15.67	0.037	15.70	0.037
15	64QAM	1	74	15.64	0.037	15.71	0.037	15.49	0.035
15	64QAM	36	0	14.50	0.028	14.24	0.027	14.52	0.028
15	64QAM	36	20	14.64	0.029	14.50	0.028	14.46	0.028
15	64QAM	36	39	14.59	0.029	14.42	0.028	14.37	0.027
15	64QAM	75	0	14.54	0.028	14.52	0.028	14.48	0.028



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	17.39	0.055	17.59	0.057	17.63	0.058
10	QPSK	1	25	17.33	0.054	17.49	0.056	17.34	0.054
10	QPSK	1	49	17.32	0.054	17.36	0.054	17.22	0.053
10	QPSK	25	0	16.52	0.045	16.61	0.046	16.49	0.045
10	QPSK	25	12	16.58	0.045	16.41	0.044	16.54	0.045
10	QPSK	25	25	16.46	0.044	16.53	0.045	16.37	0.043
10	QPSK	50	0	16.57	0.045	16.47	0.044	16.50	0.045
10	16QAM	1	0	16.79	0.048	16.73	0.047	16.36	0.043
10	16QAM	1	25	16.72	0.047	16.73	0.047	16.39	0.044
10	16QAM	1	49	16.59	0.046	16.46	0.044	16.73	0.047
10	16QAM	25	0	15.59	0.036	15.50	0.035	15.52	0.036
10	16QAM	25	12	15.63	0.037	15.53	0.036	15.58	0.036
10	16QAM	25	25	15.54	0.036	15.50	0.035	15.42	0.035
10	16QAM	50	0	15.53	0.036	15.46	0.035	15.46	0.035
10	64QAM	1	0	15.46	0.035	15.69	0.037	15.81	0.038
10	64QAM	1	25	15.58	0.036	15.57	0.036	15.68	0.037
10	64QAM	1	49	15.56	0.036	15.25	0.033	15.77	0.038
10	64QAM	25	0	14.66	0.029	14.10	0.026	14.55	0.029
10	64QAM	25	12	14.52	0.028	14.10	0.026	14.51	0.028
10	64QAM	25	25	14.29	0.027	14.45	0.028	14.48	0.028
10	64QAM	50	0	14.36	0.027	14.46	0.028	14.48	0.028



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	17.53	0.057	17.38	0.055	17.41	0.055
5	QPSK	1	12	17.28	0.053	17.38	0.055	17.23	0.053
5	QPSK	1	24	17.35	0.054	17.11	0.051	17.19	0.052
5	QPSK	12	0	16.64	0.046	16.54	0.045	16.46	0.044
5	QPSK	12	7	16.56	0.045	16.41	0.044	16.36	0.043
5	QPSK	12	13	16.48	0.044	16.39	0.044	16.32	0.043
5	QPSK	25	0	16.47	0.044	16.47	0.044	16.49	0.045
5	16QAM	1	0	16.73	0.047	16.69	0.047	16.75	0.047
5	16QAM	1	12	16.78	0.048	16.51	0.045	16.71	0.047
5	16QAM	1	24	16.78	0.048	16.48	0.044	16.72	0.047
5	16QAM	12	0	15.61	0.036	15.60	0.036	15.47	0.035
5	16QAM	12	7	15.55	0.036	15.50	0.035	15.40	0.035
5	16QAM	12	13	15.49	0.035	15.46	0.035	15.38	0.035
5	16QAM	25	0	15.62	0.036	15.38	0.035	15.38	0.035
5	64QAM	1	0	15.52	0.036	15.65	0.037	15.77	0.038
5	64QAM	1	12	15.60	0.036	15.37	0.034	15.43	0.035
5	64QAM	1	24	15.32	0.034	15.67	0.037	15.73	0.037
5	64QAM	12	0	14.55	0.029	13.95	0.025	14.67	0.029
5	64QAM	12	7	14.53	0.028	13.95	0.025	14.44	0.028
5	64QAM	12	13	14.17	0.026	14.71	0.030	14.47	0.028
5	64QAM	25	0	14.36	0.027	14.50	0.028	14.48	0.028



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	17.59	0.057	17.40	0.055	17.64	0.058
3	QPSK	1	8	17.28	0.053	17.36	0.054	17.29	0.054
3	QPSK	1	14	17.22	0.053	17.24	0.053	17.19	0.052
3	QPSK	8	0	16.60	0.046	16.53	0.045	16.54	0.045
3	QPSK	8	4	16.54	0.045	16.34	0.043	16.38	0.043
3	QPSK	8	7	16.42	0.044	16.41	0.044	16.35	0.043
3	QPSK	15	0	16.50	0.045	16.56	0.045	16.51	0.045
3	16QAM	1	0	16.45	0.044	16.83	0.048	16.88	0.049
3	16QAM	1	8	16.52	0.045	16.22	0.042	16.36	0.043
3	16QAM	1	14	16.72	0.047	16.69	0.047	16.51	0.045
3	16QAM	8	0	15.60	0.036	15.60	0.036	15.52	0.036
3	16QAM	8	4	15.52	0.036	15.43	0.035	15.52	0.036
3	16QAM	8	7	15.54	0.036	15.45	0.035	15.44	0.035
3	16QAM	15	0	15.54	0.036	15.49	0.035	15.51	0.036
3	64QAM	1	0	15.46	0.035	15.68	0.037	15.38	0.035
3	64QAM	1	8	15.10	0.032	14.69	0.029	15.65	0.037
3	64QAM	1	14	15.21	0.033	14.43	0.028	15.81	0.038
3	64QAM	8	0	14.60	0.029	14.14	0.026	14.55	0.029
3	64QAM	8	4	14.58	0.029	14.12	0.026	14.42	0.028
3	64QAM	8	7	14.26	0.027	14.44	0.028	14.48	0.028
3	64QAM	15	0	14.34	0.027	14.57	0.029	14.56	0.029



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	17.54	0.057	17.56	0.057	17.47	0.056
1.4	QPSK	1	3	17.40	0.055	17.38	0.055	17.26	0.053
1.4	QPSK	1	5	17.18	0.052	17.25	0.053	17.17	0.052
1.4	QPSK	3	0	16.52	0.045	16.56	0.045	16.43	0.044
1.4	QPSK	3	1	16.58	0.045	16.46	0.044	16.48	0.044
1.4	QPSK	3	3	16.40	0.044	16.42	0.044	16.42	0.044
1.4	QPSK	6	0	16.60	0.046	16.48	0.044	16.52	0.045
1.4	16QAM	1	0	16.50	0.045	16.75	0.047	16.79	0.048
1.4	16QAM	1	3	16.78	0.048	16.88	0.049	16.62	0.046
1.4	16QAM	1	5	16.56	0.045	16.53	0.045	16.71	0.047
1.4	16QAM	3	0	15.48	0.035	15.58	0.036	15.56	0.036
1.4	16QAM	3	1	15.39	0.035	15.45	0.035	15.43	0.035
1.4	16QAM	3	3	15.38	0.035	15.54	0.036	15.50	0.035
1.4	16QAM	6	0	15.53	0.036	15.46	0.035	15.56	0.036
1.4	64QAM	1	0	15.65	0.037	16.00	0.040	15.50	0.035
1.4	64QAM	1	3	15.16	0.033	14.80	0.030	15.64	0.037
1.4	64QAM	1	5	15.37	0.034	14.87	0.031	15.99	0.040
1.4	64QAM	3	0	14.59	0.029	14.10	0.026	14.47	0.028
1.4	64QAM	3	1	14.53	0.028	13.95	0.025	14.45	0.028
1.4	64QAM	3	3	14.26	0.027	14.37	0.027	14.40	0.028
1.4	64QAM	6	0	14.28	0.027	14.48	0.028	14.55	0.029



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	17.44	0.055	17.48	0.056	17.18	0.052
20	QPSK	1	49	17.05	0.051	16.98	0.050	17.00	0.050
20	QPSK	1	99	17.03	0.050	17.04	0.051	17.02	0.050
20	QPSK	50	0	16.33	0.043	16.35	0.043	16.30	0.043
20	QPSK	50	24	16.30	0.043	16.15	0.041	16.23	0.042
20	QPSK	50	50	16.22	0.042	16.16	0.041	16.20	0.042
20	QPSK	100	0	16.35	0.043	16.28	0.042	16.26	0.042
20	16QAM	1	0	16.65	0.046	16.42	0.044	16.33	0.043
20	16QAM	1	49	16.54	0.045	16.39	0.044	16.36	0.043
20	16QAM	1	99	16.32	0.043	16.23	0.042	16.18	0.041
20	16QAM	50	0	15.23	0.033	15.33	0.034	15.23	0.033
20	16QAM	50	24	15.38	0.035	15.12	0.033	15.10	0.032
20	16QAM	50	50	15.30	0.034	15.24	0.033	15.17	0.033
20	16QAM	100	0	15.27	0.034	15.26	0.034	15.20	0.033
20	64QAM	1	0	15.23	0.033	15.24	0.033	15.50	0.035
20	64QAM	1	49	15.31	0.034	15.47	0.035	15.18	0.033
20	64QAM	1	99	15.00	0.032	15.46	0.035	15.27	0.034
20	64QAM	50	0	14.46	0.028	13.76	0.024	14.29	0.027
20	64QAM	50	24	14.30	0.027	13.93	0.025	14.16	0.026
20	64QAM	50	50	13.98	0.025	14.19	0.026	14.23	0.026
20	64QAM	100	0	14.11	0.026	14.21	0.026	14.22	0.026



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	17.23	0.053	17.21	0.053	17.21	0.053
15	QPSK	1	37	17.12	0.052	17.17	0.052	17.14	0.052
15	QPSK	1	74	17.05	0.051	16.99	0.050	16.95	0.050
15	QPSK	36	0	16.30	0.043	16.27	0.042	16.22	0.042
15	QPSK	36	20	16.32	0.043	16.22	0.042	16.27	0.042
15	QPSK	36	39	16.23	0.042	16.16	0.041	16.15	0.041
15	QPSK	75	0	16.34	0.043	16.20	0.042	16.16	0.041
15	16QAM	1	0	16.50	0.045	16.60	0.046	16.72	0.047
15	16QAM	1	37	16.33	0.043	16.59	0.046	16.44	0.044
15	16QAM	1	74	16.45	0.044	16.57	0.045	16.45	0.044
15	16QAM	36	0	15.29	0.034	15.26	0.034	15.33	0.034
15	16QAM	36	20	15.24	0.033	15.25	0.033	15.26	0.034
15	16QAM	36	39	15.20	0.033	15.18	0.033	15.19	0.033
15	16QAM	75	0	15.31	0.034	15.24	0.033	15.17	0.033
15	64QAM	1	0	15.08	0.032	15.36	0.034	15.56	0.036
15	64QAM	1	37	15.09	0.032	15.41	0.035	15.49	0.035
15	64QAM	1	74	15.38	0.035	15.52	0.036	15.23	0.033
15	64QAM	36	0	14.24	0.027	13.98	0.025	14.26	0.027
15	64QAM	36	20	14.38	0.027	14.24	0.027	14.20	0.026
15	64QAM	36	39	14.33	0.027	14.16	0.026	14.11	0.026
15	64QAM	75	0	14.28	0.027	14.26	0.027	14.22	0.026



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	17.13	0.052	17.33	0.054	17.37	0.055
10	QPSK	1	25	17.07	0.051	17.23	0.053	17.08	0.051
10	QPSK	1	49	17.06	0.051	17.10	0.051	16.96	0.050
10	QPSK	25	0	16.26	0.042	16.35	0.043	16.23	0.042
10	QPSK	25	12	16.32	0.043	16.15	0.041	16.28	0.042
10	QPSK	25	25	16.20	0.042	16.27	0.042	16.11	0.041
10	QPSK	50	0	16.31	0.043	16.21	0.042	16.24	0.042
10	16QAM	1	0	16.63	0.046	16.67	0.046	16.10	0.041
10	16QAM	1	25	16.66	0.046	16.47	0.044	16.13	0.041
10	16QAM	1	49	16.33	0.043	16.20	0.042	16.47	0.044
10	16QAM	25	0	15.33	0.034	15.24	0.033	15.26	0.034
10	16QAM	25	12	15.37	0.034	15.27	0.034	15.32	0.034
10	16QAM	25	25	15.28	0.034	15.24	0.033	15.16	0.033
10	16QAM	50	0	15.27	0.034	15.20	0.033	15.20	0.033
10	64QAM	1	0	15.20	0.033	15.43	0.035	15.65	0.037
10	64QAM	1	25	15.32	0.034	15.31	0.034	15.42	0.035
10	64QAM	1	49	15.30	0.034	14.99	0.032	15.51	0.036
10	64QAM	25	0	14.40	0.028	13.84	0.024	14.29	0.027
10	64QAM	25	12	14.26	0.027	13.84	0.024	14.25	0.027
10	64QAM	25	25	14.03	0.025	14.19	0.026	14.22	0.026
10	64QAM	50	0	14.10	0.026	14.20	0.026	14.22	0.026



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	17.27	0.053	17.12	0.052	17.15	0.052
5	QPSK	1	12	17.02	0.050	17.12	0.052	16.97	0.050
5	QPSK	1	24	17.09	0.051	16.85	0.048	16.93	0.049
5	QPSK	12	0	16.38	0.043	16.28	0.042	16.20	0.042
5	QPSK	12	7	16.30	0.043	16.15	0.041	16.10	0.041
5	QPSK	12	13	16.22	0.042	16.13	0.041	16.16	0.041
5	QPSK	25	0	16.21	0.042	16.21	0.042	16.23	0.042
5	16QAM	1	0	16.67	0.046	16.73	0.047	16.59	0.046
5	16QAM	1	12	16.62	0.046	16.25	0.042	16.55	0.045
5	16QAM	1	24	16.62	0.046	16.22	0.042	16.66	0.046
5	16QAM	12	0	15.35	0.034	15.34	0.034	15.21	0.033
5	16QAM	12	7	15.29	0.034	15.24	0.033	15.14	0.033
5	16QAM	12	13	15.23	0.033	15.20	0.033	15.12	0.033
5	16QAM	25	0	15.36	0.034	15.12	0.033	15.12	0.033
5	64QAM	1	0	15.26	0.034	15.39	0.035	15.51	0.036
5	64QAM	1	12	15.34	0.034	15.11	0.032	15.17	0.033
5	64QAM	1	24	15.06	0.032	15.41	0.035	15.47	0.035
5	64QAM	12	0	14.29	0.027	13.69	0.023	14.41	0.028
5	64QAM	12	7	14.27	0.027	13.69	0.023	14.18	0.026
5	64QAM	12	13	13.91	0.025	14.45	0.028	14.21	0.026
5	64QAM	25	0	14.10	0.026	14.24	0.027	14.22	0.026



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	17.33	0.054	17.14	0.052	17.39	0.055
3	QPSK	1	8	17.02	0.050	17.10	0.051	17.03	0.050
3	QPSK	1	14	16.96	0.050	16.98	0.050	16.93	0.049
3	QPSK	8	0	16.34	0.043	16.27	0.042	16.28	0.042
3	QPSK	8	4	16.28	0.042	16.18	0.041	16.12	0.041
3	QPSK	8	7	16.16	0.041	16.15	0.041	16.19	0.042
3	QPSK	15	0	16.24	0.042	16.30	0.043	16.25	0.042
3	16QAM	1	0	16.19	0.042	16.57	0.045	16.62	0.046
3	16QAM	1	8	16.26	0.042	16.16	0.041	16.10	0.041
3	16QAM	1	14	16.66	0.046	16.43	0.044	16.25	0.042
3	16QAM	8	0	15.34	0.034	15.34	0.034	15.26	0.034
3	16QAM	8	4	15.26	0.034	15.17	0.033	15.26	0.034
3	16QAM	8	7	15.28	0.034	15.19	0.033	15.18	0.033
3	16QAM	15	0	15.28	0.034	15.23	0.033	15.25	0.033
3	64QAM	1	0	15.20	0.033	15.42	0.035	15.12	0.033
3	64QAM	1	8	14.84	0.030	14.43	0.028	15.39	0.035
3	64QAM	1	14	14.95	0.031	14.17	0.026	15.55	0.036
3	64QAM	8	0	14.34	0.027	13.88	0.024	14.29	0.027
3	64QAM	8	4	14.32	0.027	13.86	0.024	14.16	0.026
3	64QAM	8	7	14.00	0.025	14.18	0.026	14.22	0.026
3	64QAM	15	0	14.08	0.026	14.31	0.027	14.30	0.027



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	17.28	0.053	17.30	0.054	17.21	0.053
1.4	QPSK	1	3	17.14	0.052	17.12	0.052	17.00	0.050
1.4	QPSK	1	5	16.92	0.049	16.99	0.050	16.91	0.049
1.4	QPSK	3	0	16.26	0.042	16.30	0.043	16.17	0.041
1.4	QPSK	3	1	16.32	0.043	16.20	0.042	16.22	0.042
1.4	QPSK	3	3	16.14	0.041	16.16	0.041	16.16	0.041
1.4	QPSK	6	0	16.34	0.043	16.22	0.042	16.26	0.042
1.4	16QAM	1	0	16.24	0.042	16.49	0.045	16.53	0.045
1.4	16QAM	1	3	16.52	0.045	16.62	0.046	16.36	0.043
1.4	16QAM	1	5	16.30	0.043	16.27	0.042	16.45	0.044
1.4	16QAM	3	0	15.22	0.033	15.32	0.034	15.30	0.034
1.4	16QAM	3	1	15.13	0.033	15.19	0.033	15.17	0.033
1.4	16QAM	3	3	15.12	0.033	15.28	0.034	15.24	0.033
1.4	16QAM	6	0	15.27	0.034	15.20	0.033	15.30	0.034
1.4	64QAM	1	0	15.39	0.035	15.74	0.037	15.24	0.033
1.4	64QAM	1	3	14.90	0.031	14.54	0.028	15.38	0.035
1.4	64QAM	1	5	15.11	0.032	14.61	0.029	15.73	0.037
1.4	64QAM	3	0	14.33	0.027	13.84	0.024	14.21	0.026
1.4	64QAM	3	1	14.27	0.027	13.69	0.023	14.19	0.026
1.4	64QAM	3	3	14.00	0.025	14.11	0.026	14.14	0.026
1.4	64QAM	6	0	14.02	0.025	14.22	0.026	14.29	0.027



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	19.88	0.097	19.98	0.100	19.81	0.096
20	QPSK	1	49	19.47	0.089	19.67	0.093	19.61	0.091
20	QPSK	1	99	19.69	0.093	19.68	0.093	19.74	0.094
20	QPSK	50	0	18.83	0.076	18.85	0.077	18.82	0.076
20	QPSK	50	24	18.84	0.077	18.80	0.076	18.81	0.076
20	QPSK	50	50	18.78	0.076	18.90	0.078	18.83	0.076
20	QPSK	100	0	18.78	0.076	18.80	0.076	18.77	0.075
20	16QAM	1	0	18.56	0.072	18.81	0.076	18.98	0.079
20	16QAM	1	49	18.76	0.075	19.24	0.084	18.92	0.078
20	16QAM	1	99	19.18	0.083	19.19	0.083	19.17	0.083
20	16QAM	50	0	17.72	0.059	17.73	0.059	17.80	0.060
20	16QAM	50	24	17.83	0.061	17.79	0.060	17.82	0.061
20	16QAM	50	50	17.90	0.062	17.84	0.061	17.96	0.063
20	16QAM	100	0	17.80	0.060	17.80	0.060	17.85	0.061
20	64QAM	1	0	17.81	0.060	17.77	0.060	17.67	0.058
20	64QAM	1	49	17.74	0.059	17.78	0.060	18.12	0.065
20	64QAM	1	99	17.85	0.061	18.03	0.064	17.90	0.062
20	64QAM	50	0	16.70	0.047	16.77	0.048	16.81	0.048
20	64QAM	50	24	16.80	0.048	16.89	0.049	16.90	0.049
20	64QAM	50	50	16.91	0.049	16.87	0.049	16.76	0.047
20	64QAM	100	0	16.77	0.048	16.84	0.048	16.84	0.048



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	19.61	0.091	19.61	0.091	19.66	0.092
15	QPSK	1	37	19.65	0.092	19.65	0.092	19.66	0.092
15	QPSK	1	74	19.74	0.094	19.70	0.093	19.76	0.095
15	QPSK	36	0	18.79	0.076	18.75	0.075	18.71	0.074
15	QPSK	36	20	18.82	0.076	18.89	0.077	18.86	0.077
15	QPSK	36	39	18.83	0.076	18.80	0.076	18.84	0.077
15	QPSK	75	0	18.81	0.076	18.81	0.076	18.87	0.077
15	16QAM	1	0	18.93	0.078	18.95	0.079	18.67	0.074
15	16QAM	1	37	18.97	0.079	19.24	0.084	18.93	0.078
15	16QAM	1	74	18.88	0.077	19.38	0.087	19.02	0.080
15	16QAM	36	0	17.80	0.060	17.67	0.058	17.71	0.059
15	16QAM	36	20	17.85	0.061	17.82	0.061	17.85	0.061
15	16QAM	36	39	17.77	0.060	17.84	0.061	17.81	0.060
15	16QAM	75	0	17.82	0.061	17.88	0.061	17.79	0.060
15	64QAM	1	0	17.85	0.061	18.03	0.064	17.87	0.061
15	64QAM	1	37	17.83	0.061	17.84	0.061	17.91	0.062
15	64QAM	1	74	17.78	0.060	17.95	0.062	17.89	0.062
15	64QAM	36	0	16.82	0.048	16.79	0.048	16.83	0.048
15	64QAM	36	20	16.80	0.048	16.85	0.048	16.81	0.048
15	64QAM	36	39	16.94	0.049	16.83	0.048	16.89	0.049
15	64QAM	75	0	16.87	0.049	16.76	0.047	16.76	0.047



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	19.47	0.089	19.67	0.093	19.58	0.091
10	QPSK	1	25	19.64	0.092	19.80	0.095	19.62	0.092
10	QPSK	1	49	19.69	0.093	19.61	0.091	19.64	0.092
10	QPSK	25	0	18.72	0.074	18.71	0.074	18.66	0.073
10	QPSK	25	12	18.77	0.075	18.83	0.076	18.89	0.077
10	QPSK	25	25	18.79	0.076	18.88	0.077	18.78	0.076
10	QPSK	50	0	18.86	0.077	18.88	0.077	18.88	0.077
10	16QAM	1	0	18.83	0.076	19.14	0.082	18.92	0.078
10	16QAM	1	25	18.89	0.077	18.97	0.079	18.98	0.079
10	16QAM	1	49	19.01	0.080	18.73	0.075	19.15	0.082
10	16QAM	25	0	17.65	0.058	17.76	0.060	17.61	0.058
10	16QAM	25	12	17.77	0.060	17.85	0.061	17.91	0.062
10	16QAM	25	25	17.91	0.062	17.70	0.059	17.72	0.059
10	16QAM	50	0	17.80	0.060	17.78	0.060	17.95	0.062
10	64QAM	1	0	17.66	0.058	17.93	0.062	17.67	0.058
10	64QAM	1	25	18.08	0.064	17.94	0.062	18.07	0.064
10	64QAM	1	49	18.22	0.066	17.76	0.060	18.11	0.065
10	64QAM	25	0	16.77	0.048	16.78	0.048	16.77	0.048
10	64QAM	25	12	16.81	0.048	16.95	0.050	16.95	0.050
10	64QAM	25	25	16.76	0.047	16.84	0.048	16.86	0.049
10	64QAM	50	0	16.88	0.049	16.85	0.048	16.75	0.047



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	19.67	0.093	19.65	0.092	19.61	0.091
5	QPSK	1	12	19.64	0.092	19.62	0.092	19.87	0.097
5	QPSK	1	24	19.66	0.092	19.70	0.093	19.82	0.096
5	QPSK	12	0	18.73	0.075	18.86	0.077	18.79	0.076
5	QPSK	12	7	18.74	0.075	18.83	0.076	18.81	0.076
5	QPSK	12	13	18.77	0.075	18.86	0.077	18.78	0.076
5	QPSK	25	0	18.80	0.076	18.83	0.076	18.86	0.077
5	16QAM	1	0	19.12	0.082	18.94	0.078	18.63	0.073
5	16QAM	1	12	19.09	0.081	19.16	0.082	18.93	0.078
5	16QAM	1	24	18.85	0.077	18.90	0.078	18.96	0.079
5	16QAM	12	0	17.73	0.059	17.88	0.061	17.88	0.061
5	16QAM	12	7	17.71	0.059	17.89	0.062	17.89	0.062
5	16QAM	12	13	17.79	0.060	17.79	0.060	17.88	0.061
5	16QAM	25	0	17.86	0.061	17.84	0.061	17.82	0.061
5	64QAM	1	0	17.89	0.062	17.93	0.062	18.05	0.064
5	64QAM	1	12	18.02	0.063	18.07	0.064	18.11	0.065
5	64QAM	1	24	17.58	0.057	18.13	0.065	18.21	0.066
5	64QAM	12	0	16.85	0.048	16.83	0.048	16.84	0.048
5	64QAM	12	7	16.90	0.049	16.83	0.048	16.88	0.049
5	64QAM	12	13	16.83	0.048	16.99	0.050	16.85	0.048
5	64QAM	25	0	16.75	0.047	16.87	0.049	16.83	0.048



LTE Band 38				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				37850		38000		38150	
Frequency (MHz)				2580		2595		2610	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	19.65	0.092	19.84	0.096	19.71	0.094
20	QPSK	1	49	19.70	0.093	19.68	0.093	19.63	0.092
20	QPSK	1	99	19.67	0.093	19.76	0.095	19.64	0.092
20	QPSK	50	0	18.95	0.079	19.08	0.081	18.94	0.078
20	QPSK	50	24	19.09	0.081	19.04	0.080	18.88	0.077
20	QPSK	50	50	19.02	0.080	19.02	0.080	18.96	0.079
20	QPSK	100	0	19.05	0.080	19.02	0.080	18.95	0.079
20	16QAM	1	0	19.02	0.080	19.09	0.081	19.00	0.079
20	16QAM	1	49	19.17	0.083	19.05	0.080	19.09	0.081
20	16QAM	1	99	19.06	0.081	19.10	0.081	19.01	0.080
20	16QAM	50	0	17.96	0.063	18.06	0.064	17.99	0.063
20	16QAM	50	24	17.96	0.063	18.03	0.064	17.91	0.062
20	16QAM	50	50	17.98	0.063	18.04	0.064	18.09	0.064
20	16QAM	100	0	18.10	0.065	18.06	0.064	17.83	0.061
20	64QAM	1	0	17.94	0.062	17.95	0.062	17.91	0.062
20	64QAM	1	49	17.91	0.062	17.94	0.062	17.88	0.061
20	64QAM	1	99	17.93	0.062	17.91	0.062	17.95	0.062
20	64QAM	50	0	16.98	0.050	16.98	0.050	16.99	0.050
20	64QAM	50	24	17.09	0.051	17.10	0.051	16.98	0.050
20	64QAM	50	50	16.97	0.050	16.99	0.050	17.03	0.050
20	64QAM	100	0	17.09	0.051	17.10	0.051	16.91	0.049



LTE Band 38				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				37825		38000		38175	
Frequency (MHz)				2577.5		2595		2612.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	19.79	0.095	19.72	0.094	19.70	0.093
15	QPSK	1	37	19.75	0.094	19.83	0.096	19.75	0.094
15	QPSK	1	74	19.71	0.094	19.82	0.096	19.67	0.093
15	QPSK	36	0	18.89	0.077	18.91	0.078	18.96	0.079
15	QPSK	36	20	19.03	0.080	19.07	0.081	18.90	0.078
15	QPSK	36	39	18.92	0.078	18.97	0.079	18.98	0.079
15	QPSK	75	0	19.03	0.080	19.09	0.081	18.97	0.079
15	16QAM	1	0	19.04	0.080	19.18	0.083	18.95	0.079
15	16QAM	1	37	18.98	0.079	19.07	0.081	19.02	0.080
15	16QAM	1	74	19.09	0.081	19.16	0.082	19.00	0.079
15	16QAM	36	0	18.02	0.063	17.92	0.062	17.86	0.061
15	16QAM	36	20	17.95	0.062	17.98	0.063	17.91	0.062
15	16QAM	36	39	17.97	0.063	18.01	0.063	17.94	0.062
15	16QAM	75	0	18.02	0.063	18.00	0.063	17.97	0.063
15	64QAM	1	0	17.80	0.060	17.92	0.062	17.75	0.060
15	64QAM	1	37	17.95	0.062	18.01	0.063	17.96	0.063
15	64QAM	1	74	18.03	0.064	17.92	0.062	17.91	0.062
15	64QAM	36	0	16.99	0.050	16.95	0.050	16.92	0.049
15	64QAM	36	20	17.01	0.050	16.99	0.050	17.02	0.050
15	64QAM	36	39	16.98	0.050	17.04	0.051	16.95	0.050
15	64QAM	75	0	17.06	0.051	16.98	0.050	16.98	0.050



LTE Band 38				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				37800		38000		38200	
Frequency (MHz)				2575		2595		2615	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	19.82	0.096	19.79	0.095	19.75	0.094
10	QPSK	1	25	19.81	0.096	19.82	0.096	19.79	0.095
10	QPSK	1	49	19.81	0.096	19.82	0.096	19.81	0.096
10	QPSK	25	0	19.06	0.081	19.00	0.079	19.01	0.080
10	QPSK	25	12	19.06	0.081	19.10	0.081	18.93	0.078
10	QPSK	25	25	19.12	0.082	19.00	0.079	18.95	0.079
10	QPSK	50	0	19.10	0.081	19.03	0.080	19.04	0.080
10	16QAM	1	0	19.18	0.083	19.17	0.083	19.23	0.084
10	16QAM	1	25	19.11	0.081	19.18	0.083	19.10	0.081
10	16QAM	1	49	19.37	0.086	19.15	0.082	19.03	0.080
10	16QAM	25	0	18.09	0.064	17.83	0.061	17.98	0.063
10	16QAM	25	12	18.04	0.064	18.18	0.066	17.92	0.062
10	16QAM	25	25	17.97	0.063	18.09	0.064	18.00	0.063
10	16QAM	50	0	18.12	0.065	18.03	0.064	18.02	0.063
10	64QAM	1	0	18.13	0.065	18.15	0.065	18.16	0.065
10	64QAM	1	25	18.03	0.064	18.02	0.063	18.05	0.064
10	64QAM	1	49	17.90	0.062	18.21	0.066	18.03	0.064
10	64QAM	25	0	17.13	0.052	16.96	0.050	17.01	0.050
10	64QAM	25	12	17.08	0.051	17.05	0.051	17.05	0.051
10	64QAM	25	25	17.07	0.051	17.14	0.052	17.11	0.051
10	64QAM	50	0	17.00	0.050	17.05	0.051	17.06	0.051



LTE Band 38				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				37775		38000		38225	
Frequency (MHz)				2572.5		2595		2617.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	19.82	0.096	19.80	0.095	19.79	0.095
5	QPSK	1	12	19.81	0.096	19.77	0.095	19.75	0.094
5	QPSK	1	24	19.82	0.096	19.83	0.096	19.74	0.094
5	QPSK	12	0	18.99	0.079	19.03	0.080	18.94	0.078
5	QPSK	12	7	19.03	0.080	19.11	0.081	19.03	0.080
5	QPSK	12	13	18.97	0.079	19.08	0.081	18.98	0.079
5	QPSK	25	0	19.05	0.080	19.00	0.079	18.99	0.079
5	16QAM	1	0	19.21	0.083	19.23	0.084	19.10	0.081
5	16QAM	1	12	19.17	0.083	19.15	0.082	19.13	0.082
5	16QAM	1	24	19.24	0.084	19.23	0.084	19.09	0.081
5	16QAM	12	0	18.12	0.065	18.06	0.064	18.06	0.064
5	16QAM	12	7	18.11	0.065	18.10	0.065	17.97	0.063
5	16QAM	12	13	18.07	0.064	18.07	0.064	17.99	0.063
5	16QAM	25	0	18.08	0.064	18.02	0.063	17.94	0.062
5	64QAM	1	0	18.00	0.063	18.07	0.064	17.98	0.063
5	64QAM	1	12	18.06	0.064	18.02	0.063	18.05	0.064
5	64QAM	1	24	18.07	0.064	18.14	0.065	18.08	0.064
5	64QAM	12	0	17.12	0.052	17.06	0.051	16.99	0.050
5	64QAM	12	7	17.11	0.051	17.17	0.052	16.98	0.050
5	64QAM	12	13	17.04	0.051	17.05	0.051	17.01	0.050
5	64QAM	25	0	17.08	0.051	17.07	0.051	16.96	0.050



LTE Band 40, Block A				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				/		38750		/	
Frequency (MHz)				/		2310		/	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	/	/	18.21	0.066	/	/
10	QPSK	1	25	/	/	17.95	0.062	/	/
10	QPSK	1	49	/	/	17.97	0.063	/	/
10	QPSK	25	0	/	/	17.24	0.053	/	/
10	QPSK	25	12	/	/	17.22	0.053	/	/
10	QPSK	25	25	/	/	17.18	0.052	/	/
10	QPSK	50	0	/	/	17.22	0.053	/	/
10	16QAM	1	0	/	/	17.41	0.055	/	/
10	16QAM	1	25	/	/	17.33	0.054	/	/
10	16QAM	1	49	/	/	17.22	0.053	/	/
10	16QAM	25	0	/	/	16.38	0.043	/	/
10	16QAM	25	12	/	/	16.26	0.042	/	/
10	16QAM	25	25	/	/	16.23	0.042	/	/
10	16QAM	50	0	/	/	16.26	0.042	/	/
10	64QAM	1	0	/	/	16.27	0.042	/	/
10	64QAM	1	25	/	/	16.57	0.045	/	/
10	64QAM	1	49	/	/	16.18	0.041	/	/
10	64QAM	25	0	/	/	15.43	0.035	/	/
10	64QAM	25	12	/	/	15.38	0.035	/	/
10	64QAM	25	25	/	/	15.30	0.034	/	/
10	64QAM	50	0	/	/	15.31	0.034	/	/



LTE Band 40, Block A				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				38725		38750		38775	
Frequency (MHz)				2307.5		2310		2312.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	18.13	0.065	18.18	0.066	18.12	0.065
5	QPSK	1	12	18.05	0.064	17.95	0.062	18.01	0.063
5	QPSK	1	24	18.00	0.063	18.05	0.064	18.10	0.065
5	QPSK	12	0	17.33	0.054	17.23	0.053	17.18	0.052
5	QPSK	12	7	17.22	0.053	17.24	0.053	17.18	0.052
5	QPSK	12	13	17.18	0.052	17.26	0.053	17.16	0.052
5	QPSK	25	0	17.30	0.054	17.24	0.053	17.16	0.052
5	16QAM	1	0	17.49	0.056	17.43	0.055	17.37	0.055
5	16QAM	1	12	17.34	0.054	17.34	0.054	17.36	0.054
5	16QAM	1	24	17.39	0.055	17.39	0.055	17.40	0.055
5	16QAM	12	0	16.35	0.043	16.20	0.042	16.34	0.043
5	16QAM	12	7	16.31	0.043	16.26	0.042	16.25	0.042
5	16QAM	12	13	16.19	0.042	16.31	0.043	16.30	0.043
5	16QAM	25	0	16.21	0.042	16.25	0.042	16.21	0.042
5	64QAM	1	0	16.43	0.044	16.43	0.044	16.29	0.043
5	64QAM	1	12	16.29	0.043	16.29	0.043	16.28	0.042
5	64QAM	1	24	16.31	0.043	16.30	0.043	16.29	0.043
5	64QAM	12	0	15.36	0.034	15.31	0.034	15.27	0.034
5	64QAM	12	7	15.34	0.034	15.30	0.034	15.32	0.034
5	64QAM	12	13	15.22	0.033	15.27	0.034	15.19	0.033
5	64QAM	25	0	15.21	0.033	15.24	0.033	15.29	0.034



LTE Band 40, Block B				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				/		39200		/	
Frequency (MHz)				/		2355		/	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	/	/	18.19	0.066	/	/
10	QPSK	1	25	/	/	18.06	0.064	/	/
10	QPSK	1	49	/	/	18.11	0.065	/	/
10	QPSK	25	0	/	/	17.39	0.055	/	/
10	QPSK	25	12	/	/	17.31	0.054	/	/
10	QPSK	25	25	/	/	17.23	0.053	/	/
10	QPSK	50	0	/	/	17.39	0.055	/	/
10	16QAM	1	0	/	/	17.45	0.056	/	/
10	16QAM	1	25	/	/	17.46	0.056	/	/
10	16QAM	1	49	/	/	17.38	0.055	/	/
10	16QAM	25	0	/	/	16.34	0.043	/	/
10	16QAM	25	12	/	/	16.41	0.044	/	/
10	16QAM	25	25	/	/	16.43	0.044	/	/
10	16QAM	50	0	/	/	16.45	0.044	/	/
10	64QAM	1	0	/	/	16.27	0.042	/	/
10	64QAM	1	25	/	/	16.56	0.045	/	/
10	64QAM	1	49	/	/	16.46	0.044	/	/
10	64QAM	25	0	/	/	15.34	0.034	/	/
10	64QAM	25	12	/	/	15.41	0.035	/	/
10	64QAM	25	25	/	/	15.38	0.035	/	/
10	64QAM	50	0	/	/	15.35	0.034	/	/



LTE Band 40, Block B				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39175		39200		39225	
Frequency (MHz)				2352.5		2355		2357.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	18.13	0.065	18.18	0.066	18.14	0.065
5	QPSK	1	12	18.12	0.065	18.13	0.065	17.99	0.063
5	QPSK	1	24	18.09	0.064	18.13	0.065	18.12	0.065
5	QPSK	12	0	17.30	0.054	17.38	0.055	17.26	0.053
5	QPSK	12	7	17.19	0.052	17.42	0.055	17.37	0.055
5	QPSK	12	13	17.36	0.054	17.28	0.053	17.31	0.054
5	QPSK	25	0	17.31	0.054	17.36	0.054	17.37	0.055
5	16QAM	1	0	17.48	0.056	17.62	0.058	17.58	0.057
5	16QAM	1	12	17.46	0.056	17.59	0.057	17.37	0.055
5	16QAM	1	24	17.56	0.057	17.56	0.057	17.52	0.056
5	16QAM	12	0	16.36	0.043	16.38	0.043	16.37	0.043
5	16QAM	12	7	16.34	0.043	16.44	0.044	16.36	0.043
5	16QAM	12	13	16.37	0.043	16.40	0.044	16.21	0.042
5	16QAM	25	0	16.30	0.043	16.39	0.044	16.31	0.043
5	64QAM	1	0	16.51	0.045	16.36	0.043	16.51	0.045
5	64QAM	1	12	16.34	0.043	16.33	0.043	16.30	0.043
5	64QAM	1	24	16.44	0.044	16.42	0.044	16.41	0.044
5	64QAM	12	0	15.38	0.035	15.38	0.035	15.35	0.034
5	64QAM	12	7	15.28	0.034	15.35	0.034	15.41	0.035
5	64QAM	12	13	15.33	0.034	15.37	0.034	15.33	0.034
5	64QAM	25	0	15.28	0.034	15.34	0.034	15.30	0.034



Bottom Antenna

LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18700		18900		19100	
Frequency (MHz)				1860		1880		1900	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	19.55	0.090	19.76	0.095	19.48	0.089
20	QPSK	1	49	19.38	0.087	19.54	0.090	19.31	0.085
20	QPSK	1	99	19.36	0.086	19.39	0.087	19.26	0.084
20	QPSK	50	0	18.65	0.073	18.76	0.075	18.61	0.073
20	QPSK	50	24	18.67	0.074	18.58	0.072	18.51	0.071
20	QPSK	50	50	18.51	0.071	18.49	0.071	18.44	0.070
20	QPSK	100	0	18.61	0.073	18.55	0.072	18.47	0.070
20	16QAM	1	0	19.24	0.084	19.25	0.084	19.03	0.080
20	16QAM	1	49	19.13	0.082	19.10	0.081	18.98	0.079
20	16QAM	1	99	19.27	0.085	19.15	0.082	19.00	0.079
20	16QAM	50	0	17.64	0.058	17.69	0.059	17.53	0.057
20	16QAM	50	24	17.79	0.060	17.55	0.057	17.54	0.057
20	16QAM	50	50	17.58	0.057	17.45	0.056	17.42	0.055
20	16QAM	100	0	17.65	0.058	17.56	0.057	17.55	0.057
20	64QAM	1	0	17.62	0.058	17.74	0.059	17.74	0.059
20	64QAM	1	49	17.58	0.057	17.71	0.059	17.67	0.058
20	64QAM	1	99	17.65	0.058	17.65	0.058	17.96	0.063
20	64QAM	50	0	16.66	0.046	16.34	0.043	16.59	0.046
20	64QAM	50	24	16.77	0.048	16.60	0.046	16.58	0.045
20	64QAM	50	50	16.38	0.043	16.56	0.045	16.47	0.044
20	64QAM	100	0	16.44	0.044	16.52	0.045	16.66	0.046



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18675		18900		19125	
Frequency (MHz)				1857.5		1880		1902.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	19.59	0.091	19.59	0.091	19.70	0.093
15	QPSK	1	37	19.45	0.088	19.35	0.086	19.44	0.088
15	QPSK	1	74	19.58	0.091	19.37	0.086	19.30	0.085
15	QPSK	36	0	18.66	0.073	18.57	0.072	18.51	0.071
15	QPSK	36	20	18.64	0.073	18.47	0.070	18.45	0.070
15	QPSK	36	39	18.61	0.073	18.53	0.071	18.39	0.069
15	QPSK	75	0	18.60	0.072	18.58	0.072	18.54	0.071
15	16QAM	1	0	18.77	0.075	19.00	0.079	18.72	0.074
15	16QAM	1	37	18.98	0.079	18.67	0.074	18.67	0.074
15	16QAM	1	74	18.64	0.073	18.60	0.072	19.04	0.080
15	16QAM	36	0	17.72	0.059	17.58	0.057	17.60	0.058
15	16QAM	36	20	17.61	0.058	17.60	0.058	17.47	0.056
15	16QAM	36	39	17.56	0.057	17.59	0.057	17.40	0.055
15	16QAM	75	0	17.62	0.058	17.52	0.056	17.53	0.057
15	64QAM	1	0	17.69	0.059	17.63	0.058	17.74	0.059
15	64QAM	1	37	17.77	0.060	17.64	0.058	17.66	0.058
15	64QAM	1	74	17.49	0.056	17.64	0.058	17.88	0.061
15	64QAM	36	0	16.59	0.046	16.32	0.043	16.63	0.046
15	64QAM	36	20	16.71	0.047	16.44	0.044	16.59	0.046
15	64QAM	36	39	16.52	0.045	16.44	0.044	16.52	0.045
15	64QAM	75	0	16.42	0.044	16.61	0.046	16.59	0.046



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18650		18900		19150	
Frequency (MHz)				1855		1880		1905	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	19.57	0.091	19.69	0.093	19.43	0.088
10	QPSK	1	25	19.42	0.087	19.28	0.085	19.30	0.085
10	QPSK	1	49	19.29	0.085	19.21	0.083	19.44	0.088
10	QPSK	25	0	18.68	0.074	18.67	0.074	18.51	0.071
10	QPSK	25	12	18.62	0.073	18.47	0.070	18.61	0.073
10	QPSK	25	25	18.57	0.072	18.47	0.070	18.39	0.069
10	QPSK	50	0	18.62	0.073	18.58	0.072	18.59	0.072
10	16QAM	1	0	18.96	0.079	19.16	0.082	18.72	0.074
10	16QAM	1	25	18.79	0.076	18.74	0.075	19.07	0.081
10	16QAM	1	49	18.82	0.076	18.83	0.076	18.94	0.078
10	16QAM	25	0	17.64	0.058	17.59	0.057	17.50	0.056
10	16QAM	25	12	17.50	0.056	17.54	0.057	17.41	0.055
10	16QAM	25	25	17.46	0.056	17.47	0.056	17.50	0.056
10	16QAM	50	0	17.62	0.058	17.46	0.056	17.53	0.057
10	64QAM	1	0	17.64	0.058	17.83	0.061	17.63	0.058
10	64QAM	1	25	17.68	0.059	17.95	0.062	17.84	0.061
10	64QAM	1	49	17.50	0.056	17.74	0.059	17.77	0.060
10	64QAM	25	0	16.63	0.046	16.26	0.042	16.63	0.046
10	64QAM	25	12	16.71	0.047	16.40	0.044	16.54	0.045
10	64QAM	25	25	16.41	0.044	16.54	0.045	16.46	0.044
10	64QAM	50	0	16.40	0.044	16.62	0.046	16.52	0.045



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18625		18900		19175	
Frequency (MHz)				1852.5		1880		1907.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	19.68	0.093	19.60	0.091	19.55	0.090
5	QPSK	1	12	19.49	0.089	19.32	0.086	19.39	0.087
5	QPSK	1	24	19.42	0.087	19.19	0.083	19.20	0.083
5	QPSK	12	0	18.67	0.074	18.71	0.074	18.58	0.072
5	QPSK	12	7	18.67	0.074	18.57	0.072	18.47	0.070
5	QPSK	12	13	18.51	0.071	18.62	0.073	18.42	0.070
5	QPSK	25	0	18.62	0.073	18.57	0.072	18.54	0.071
5	16QAM	1	0	18.94	0.078	18.92	0.078	19.20	0.083
5	16QAM	1	12	18.75	0.075	18.73	0.075	18.79	0.076
5	16QAM	1	24	18.67	0.074	18.66	0.073	18.64	0.073
5	16QAM	12	0	17.75	0.060	17.64	0.058	17.64	0.058
5	16QAM	12	7	17.70	0.059	17.52	0.056	17.47	0.056
5	16QAM	12	13	17.56	0.057	17.54	0.057	17.49	0.056
5	16QAM	25	0	17.65	0.058	17.66	0.058	17.51	0.056
5	64QAM	1	0	17.65	0.058	17.67	0.058	17.74	0.059
5	64QAM	1	12	17.62	0.058	17.83	0.061	17.74	0.059
5	64QAM	1	24	17.63	0.058	18.09	0.064	17.99	0.063
5	64QAM	12	0	16.71	0.047	16.32	0.043	16.67	0.046
5	64QAM	12	7	16.75	0.047	16.60	0.046	16.59	0.046
5	64QAM	12	13	16.48	0.044	16.54	0.045	16.48	0.044
5	64QAM	25	0	16.49	0.045	16.55	0.045	16.53	0.045



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18615		18900		19185	
Frequency (MHz)				1851.5		1880		1908.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	19.68	0.093	19.59	0.091	19.54	0.090
3	QPSK	1	8	19.37	0.086	19.44	0.088	19.38	0.087
3	QPSK	1	14	19.42	0.087	19.39	0.087	19.49	0.089
3	QPSK	8	0	18.68	0.074	18.64	0.073	18.63	0.073
3	QPSK	8	4	18.62	0.073	18.59	0.072	18.49	0.071
3	QPSK	8	7	18.64	0.073	18.57	0.072	18.46	0.070
3	QPSK	15	0	18.70	0.074	18.60	0.072	18.57	0.072
3	16QAM	1	0	18.91	0.078	18.99	0.079	18.87	0.077
3	16QAM	1	8	18.85	0.077	18.80	0.076	18.99	0.079
3	16QAM	1	14	18.68	0.074	18.83	0.076	18.73	0.075
3	16QAM	8	0	17.69	0.059	17.72	0.059	17.47	0.056
3	16QAM	8	4	17.62	0.058	17.50	0.056	17.49	0.056
3	16QAM	8	7	17.59	0.057	17.58	0.057	17.47	0.056
3	16QAM	15	0	17.72	0.059	17.50	0.056	17.53	0.057
3	64QAM	1	0	17.57	0.057	17.84	0.061	18.00	0.063
3	64QAM	1	8	17.78	0.060	16.89	0.049	17.78	0.060
3	64QAM	1	14	17.02	0.050	16.90	0.049	17.90	0.062
3	64QAM	8	0	16.67	0.046	16.29	0.043	16.70	0.047
3	64QAM	8	4	16.79	0.048	16.37	0.043	16.51	0.045
3	64QAM	8	7	16.39	0.044	16.57	0.045	16.45	0.044
3	64QAM	15	0	16.59	0.046	16.64	0.046	16.53	0.045



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18607		18900		19193	
Frequency (MHz)				1850.7		1880		1909.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	19.69	0.093	19.57	0.091	19.45	0.088
1.4	QPSK	1	3	19.42	0.087	19.44	0.088	19.54	0.090
1.4	QPSK	1	5	19.46	0.088	19.55	0.090	19.50	0.089
1.4	QPSK	3	0	18.68	0.074	18.69	0.074	18.55	0.072
1.4	QPSK	3	1	18.68	0.074	18.47	0.070	18.48	0.070
1.4	QPSK	3	3	18.53	0.071	18.55	0.072	18.44	0.070
1.4	QPSK	6	0	18.64	0.073	18.59	0.072	18.51	0.071
1.4	16QAM	1	0	18.86	0.077	19.11	0.081	19.15	0.082
1.4	16QAM	1	3	19.13	0.082	18.85	0.077	18.97	0.079
1.4	16QAM	1	5	18.78	0.076	18.76	0.075	18.80	0.076
1.4	16QAM	3	0	17.69	0.059	17.61	0.058	17.70	0.059
1.4	16QAM	3	1	17.71	0.059	17.67	0.058	17.47	0.056
1.4	16QAM	3	3	17.60	0.058	17.55	0.057	17.56	0.057
1.4	16QAM	6	0	17.69	0.059	17.55	0.057	17.50	0.056
1.4	64QAM	1	0	17.59	0.057	17.62	0.058	17.82	0.061
1.4	64QAM	1	3	17.26	0.053	16.89	0.049	17.40	0.055
1.4	64QAM	1	5	17.49	0.056	17.04	0.051	17.59	0.057
1.4	64QAM	3	0	16.70	0.047	16.30	0.043	16.59	0.046
1.4	64QAM	3	1	16.71	0.047	16.09	0.041	16.56	0.045
1.4	64QAM	3	3	16.51	0.045	16.59	0.046	16.48	0.044
1.4	64QAM	6	0	16.44	0.044	16.53	0.045	16.59	0.046



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20050		20175		20300	
Frequency (MHz)				1720		1732.5		1745	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	22.42	0.175	22.63	0.183	22.35	0.172
20	QPSK	1	49	22.25	0.168	22.41	0.174	22.18	0.165
20	QPSK	1	99	22.23	0.167	22.26	0.168	22.13	0.163
20	QPSK	50	0	21.52	0.142	21.63	0.146	21.48	0.141
20	QPSK	50	24	21.54	0.143	21.45	0.140	21.38	0.137
20	QPSK	50	50	21.38	0.137	21.36	0.137	21.31	0.135
20	QPSK	100	0	21.48	0.141	21.42	0.139	21.34	0.136
20	16QAM	1	0	22.11	0.163	22.12	0.163	21.90	0.155
20	16QAM	1	49	22.00	0.158	21.97	0.157	21.85	0.153
20	16QAM	1	99	22.14	0.164	22.02	0.159	21.87	0.154
20	16QAM	50	0	20.51	0.112	20.56	0.114	20.40	0.110
20	16QAM	50	24	20.66	0.116	20.42	0.110	20.41	0.110
20	16QAM	50	50	20.45	0.111	20.32	0.108	20.29	0.107
20	16QAM	100	0	20.52	0.113	20.43	0.110	20.42	0.110
20	64QAM	1	0	20.49	0.112	20.61	0.115	20.61	0.115
20	64QAM	1	49	20.45	0.111	20.58	0.114	20.54	0.113
20	64QAM	1	99	20.52	0.113	20.52	0.113	20.83	0.121
20	64QAM	50	0	19.53	0.090	19.21	0.083	19.46	0.088
20	64QAM	50	24	19.64	0.092	19.47	0.089	19.45	0.088
20	64QAM	50	50	19.25	0.084	19.43	0.088	19.34	0.086
20	64QAM	100	0	19.31	0.085	19.39	0.087	19.53	0.090



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20025		20175		20325	
Frequency (MHz)				1717.5		1732.5		1747.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	22.46	0.176	22.46	0.176	22.57	0.181
15	QPSK	1	37	22.32	0.171	22.22	0.167	22.31	0.170
15	QPSK	1	74	22.45	0.176	22.24	0.167	22.17	0.165
15	QPSK	36	0	21.53	0.142	21.44	0.139	21.38	0.137
15	QPSK	36	20	21.51	0.142	21.34	0.136	21.32	0.136
15	QPSK	36	39	21.48	0.141	21.40	0.138	21.26	0.134
15	QPSK	75	0	21.47	0.140	21.45	0.140	21.41	0.138
15	16QAM	1	0	21.64	0.146	21.87	0.154	21.59	0.144
15	16QAM	1	37	21.85	0.153	21.54	0.143	21.54	0.143
15	16QAM	1	74	21.51	0.142	21.47	0.140	21.91	0.155
15	16QAM	36	0	20.59	0.115	20.45	0.111	20.47	0.111
15	16QAM	36	20	20.48	0.112	20.47	0.111	20.34	0.108
15	16QAM	36	39	20.43	0.110	20.46	0.111	20.27	0.106
15	16QAM	75	0	20.49	0.112	20.39	0.109	20.40	0.110
15	64QAM	1	0	20.56	0.114	20.50	0.112	20.61	0.115
15	64QAM	1	37	20.64	0.116	20.51	0.112	20.53	0.113
15	64QAM	1	74	20.36	0.109	20.51	0.112	20.75	0.119
15	64QAM	36	0	19.46	0.088	19.19	0.083	19.50	0.089
15	64QAM	36	20	19.58	0.091	19.31	0.085	19.46	0.088
15	64QAM	36	39	19.39	0.087	19.31	0.085	19.39	0.087
15	64QAM	75	0	19.29	0.085	19.48	0.089	19.46	0.088



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20000		20175		20350	
Frequency (MHz)				1715		1732.5		1750	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	22.44	0.175	22.56	0.180	22.30	0.170
10	QPSK	1	25	22.29	0.169	22.15	0.164	22.17	0.165
10	QPSK	1	49	22.16	0.164	22.08	0.161	22.31	0.170
10	QPSK	25	0	21.55	0.143	21.54	0.143	21.38	0.137
10	QPSK	25	12	21.49	0.141	21.34	0.136	21.48	0.141
10	QPSK	25	25	21.44	0.139	21.34	0.136	21.26	0.134
10	QPSK	50	0	21.49	0.141	21.45	0.140	21.46	0.140
10	16QAM	1	0	21.83	0.152	22.03	0.160	21.59	0.144
10	16QAM	1	25	21.66	0.147	21.61	0.145	21.94	0.156
10	16QAM	1	49	21.69	0.148	21.70	0.148	21.81	0.152
10	16QAM	25	0	20.51	0.112	20.46	0.111	20.37	0.109
10	16QAM	25	12	20.37	0.109	20.41	0.110	20.28	0.107
10	16QAM	25	25	20.33	0.108	20.34	0.108	20.37	0.109
10	16QAM	50	0	20.49	0.112	20.33	0.108	20.40	0.110
10	64QAM	1	0	20.51	0.112	20.70	0.117	20.50	0.112
10	64QAM	1	25	20.55	0.114	20.82	0.121	20.71	0.118
10	64QAM	1	49	20.37	0.109	20.61	0.115	20.64	0.116
10	64QAM	25	0	19.50	0.089	19.13	0.082	19.50	0.089
10	64QAM	25	12	19.58	0.091	19.27	0.085	19.41	0.087
10	64QAM	25	25	19.28	0.085	19.41	0.087	19.33	0.086
10	64QAM	50	0	19.27	0.085	19.49	0.089	19.39	0.087



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19975		20175		20375	
Frequency (MHz)				1712.5		1732.5		1752.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	22.55	0.180	22.47	0.177	22.42	0.175
5	QPSK	1	12	22.36	0.172	22.19	0.166	22.26	0.168
5	QPSK	1	24	22.29	0.169	22.06	0.161	22.07	0.161
5	QPSK	12	0	21.54	0.143	21.58	0.144	21.45	0.140
5	QPSK	12	7	21.54	0.143	21.44	0.139	21.34	0.136
5	QPSK	12	13	21.38	0.137	21.49	0.141	21.29	0.135
5	QPSK	25	0	21.49	0.141	21.44	0.139	21.41	0.138
5	16QAM	1	0	21.81	0.152	21.79	0.151	22.07	0.161
5	16QAM	1	12	21.62	0.145	21.60	0.145	21.66	0.147
5	16QAM	1	24	21.54	0.143	21.53	0.142	21.51	0.142
5	16QAM	12	0	20.62	0.115	20.51	0.112	20.51	0.112
5	16QAM	12	7	20.57	0.114	20.39	0.109	20.34	0.108
5	16QAM	12	13	20.43	0.110	20.41	0.110	20.36	0.109
5	16QAM	25	0	20.52	0.113	20.53	0.113	20.38	0.109
5	64QAM	1	0	20.52	0.113	20.54	0.113	20.61	0.115
5	64QAM	1	12	20.49	0.112	20.70	0.117	20.61	0.115
5	64QAM	1	24	20.50	0.112	20.96	0.125	20.86	0.122
5	64QAM	12	0	19.58	0.091	19.19	0.083	19.54	0.090
5	64QAM	12	7	19.62	0.092	19.47	0.089	19.46	0.088
5	64QAM	12	13	19.35	0.086	19.41	0.087	19.35	0.086
5	64QAM	25	0	19.36	0.086	19.42	0.087	19.40	0.087



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19965		20175		20385	
Frequency (MHz)				1711.5		1732.5		1753.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	22.55	0.180	22.46	0.176	22.41	0.174
3	QPSK	1	8	22.24	0.167	22.31	0.170	22.25	0.168
3	QPSK	1	14	22.29	0.169	22.26	0.168	22.36	0.172
3	QPSK	8	0	21.55	0.143	21.51	0.142	21.50	0.141
3	QPSK	8	4	21.49	0.141	21.46	0.140	21.36	0.137
3	QPSK	8	7	21.51	0.142	21.44	0.139	21.33	0.136
3	QPSK	15	0	21.57	0.144	21.47	0.140	21.44	0.139
3	16QAM	1	0	21.78	0.151	21.86	0.153	21.74	0.149
3	16QAM	1	8	21.72	0.149	21.67	0.147	21.86	0.153
3	16QAM	1	14	21.55	0.143	21.70	0.148	21.60	0.145
3	16QAM	8	0	20.56	0.114	20.59	0.115	20.34	0.108
3	16QAM	8	4	20.49	0.112	20.37	0.109	20.36	0.109
3	16QAM	8	7	20.46	0.111	20.45	0.111	20.34	0.108
3	16QAM	15	0	20.59	0.115	20.37	0.109	20.40	0.110
3	64QAM	1	0	20.44	0.111	20.71	0.118	20.87	0.122
3	64QAM	1	8	20.65	0.116	19.76	0.095	20.65	0.116
3	64QAM	1	14	19.89	0.097	19.77	0.095	20.77	0.119
3	64QAM	8	0	19.54	0.090	19.16	0.082	19.57	0.091
3	64QAM	8	4	19.66	0.092	19.24	0.084	19.38	0.087
3	64QAM	8	7	19.26	0.084	19.44	0.088	19.32	0.086
3	64QAM	15	0	19.46	0.088	19.51	0.089	19.40	0.087



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19957		20175		20393	
Frequency (MHz)				1710.7		1732.5		1754.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	22.56	0.180	22.44	0.175	22.32	0.171
1.4	QPSK	1	3	22.29	0.169	22.31	0.170	22.41	0.174
1.4	QPSK	1	5	22.33	0.171	22.42	0.175	22.37	0.173
1.4	QPSK	3	0	21.55	0.143	21.56	0.143	21.42	0.139
1.4	QPSK	3	1	21.55	0.143	21.34	0.136	21.35	0.136
1.4	QPSK	3	3	21.40	0.138	21.42	0.139	21.31	0.135
1.4	QPSK	6	0	21.51	0.142	21.46	0.140	21.38	0.137
1.4	16QAM	1	0	21.73	0.149	21.98	0.158	22.02	0.159
1.4	16QAM	1	3	22.00	0.158	21.72	0.149	21.84	0.153
1.4	16QAM	1	5	21.65	0.146	21.63	0.146	21.67	0.147
1.4	16QAM	3	0	20.56	0.114	20.48	0.112	20.57	0.114
1.4	16QAM	3	1	20.58	0.114	20.54	0.113	20.34	0.108
1.4	16QAM	3	3	20.47	0.111	20.42	0.110	20.43	0.110
1.4	16QAM	6	0	20.56	0.114	20.42	0.110	20.37	0.109
1.4	64QAM	1	0	20.46	0.111	20.49	0.112	20.69	0.117
1.4	64QAM	1	3	20.13	0.103	19.76	0.095	20.27	0.106
1.4	64QAM	1	5	20.36	0.109	19.91	0.098	20.46	0.111
1.4	64QAM	3	0	19.57	0.091	19.17	0.083	19.46	0.088
1.4	64QAM	3	1	19.58	0.091	18.96	0.079	19.43	0.088
1.4	64QAM	3	3	19.38	0.087	19.46	0.088	19.35	0.086
1.4	64QAM	6	0	19.31	0.085	19.40	0.087	19.46	0.088



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20450		20525		20600	
Frequency (MHz)				829		836.5		844	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	19.39	0.087	19.74	0.094	19.65	0.092
10	QPSK	1	25	19.42	0.087	19.60	0.091	19.65	0.092
10	QPSK	1	49	19.42	0.087	19.58	0.091	19.59	0.091
10	QPSK	25	0	18.65	0.073	18.70	0.074	18.60	0.072
10	QPSK	25	12	18.69	0.074	18.69	0.074	18.67	0.074
10	QPSK	25	25	18.58	0.072	18.64	0.073	18.63	0.073
10	QPSK	50	0	18.65	0.073	18.63	0.073	18.61	0.073
10	16QAM	1	0	18.74	0.075	19.04	0.080	18.89	0.077
10	16QAM	1	25	19.07	0.081	18.86	0.077	19.11	0.081
10	16QAM	1	49	19.06	0.081	18.85	0.077	19.06	0.081
10	16QAM	25	0	17.70	0.059	17.66	0.058	17.62	0.058
10	16QAM	25	12	17.83	0.061	17.72	0.059	17.75	0.060
10	16QAM	25	25	17.54	0.057	17.72	0.059	17.74	0.059
10	16QAM	50	0	17.67	0.058	17.56	0.057	17.55	0.057
10	64QAM	1	0	18.18	0.066	17.96	0.063	17.95	0.062
10	64QAM	1	25	17.89	0.062	18.10	0.065	17.75	0.060
10	64QAM	1	49	17.86	0.061	17.92	0.062	17.69	0.059
10	64QAM	25	0	16.74	0.047	16.63	0.046	16.67	0.046
10	64QAM	25	12	16.75	0.047	16.68	0.047	16.62	0.046
10	64QAM	25	25	16.65	0.046	16.66	0.046	16.57	0.045
10	64QAM	50	0	16.70	0.047	16.66	0.046	16.68	0.047



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	19.57	0.091	19.60	0.091	19.56	0.090
5	QPSK	1	12	19.56	0.090	19.67	0.093	19.68	0.093
5	QPSK	1	24	19.58	0.091	19.62	0.092	19.50	0.089
5	QPSK	12	0	18.65	0.073	18.70	0.074	18.71	0.074
5	QPSK	12	7	18.65	0.073	18.66	0.073	18.67	0.074
5	QPSK	12	13	18.64	0.073	18.68	0.074	18.65	0.073
5	QPSK	25	0	18.60	0.072	18.62	0.073	18.60	0.072
5	16QAM	1	0	18.98	0.079	19.08	0.081	18.85	0.077
5	16QAM	1	12	19.01	0.080	19.07	0.081	18.89	0.077
5	16QAM	1	24	19.00	0.079	19.07	0.081	18.82	0.076
5	16QAM	12	0	17.65	0.058	17.79	0.060	17.73	0.059
5	16QAM	12	7	17.74	0.059	17.80	0.060	17.64	0.058
5	16QAM	12	13	17.60	0.058	17.63	0.058	17.69	0.059
5	16QAM	25	0	17.62	0.058	17.74	0.059	17.62	0.058
5	64QAM	1	0	17.96	0.063	17.80	0.060	17.85	0.061
5	64QAM	1	12	17.74	0.059	17.78	0.060	17.84	0.061
5	64QAM	1	24	17.71	0.059	17.69	0.059	17.85	0.061
5	64QAM	12	0	16.73	0.047	16.77	0.048	16.73	0.047
5	64QAM	12	7	16.70	0.047	16.78	0.048	16.68	0.047
5	64QAM	12	13	16.63	0.046	16.77	0.048	16.69	0.047
5	64QAM	25	0	16.66	0.046	16.67	0.046	16.69	0.047



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20415		20525		20635	
Frequency (MHz)				825.5		836.5		847.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	19.39	0.087	19.53	0.090	19.54	0.090
3	QPSK	1	8	19.54	0.090	19.62	0.092	19.63	0.092
3	QPSK	1	14	19.45	0.088	19.42	0.087	19.44	0.088
3	QPSK	8	0	18.54	0.071	18.67	0.074	18.54	0.071
3	QPSK	8	4	18.57	0.072	18.71	0.074	18.65	0.073
3	QPSK	8	7	18.52	0.071	18.55	0.072	18.57	0.072
3	QPSK	15	0	18.53	0.071	18.55	0.072	18.65	0.073
3	16QAM	1	0	18.85	0.077	18.66	0.073	18.67	0.074
3	16QAM	1	8	18.92	0.078	18.89	0.077	18.94	0.078
3	16QAM	1	14	18.99	0.079	18.53	0.071	18.66	0.073
3	16QAM	8	0	17.65	0.058	17.63	0.058	17.69	0.059
3	16QAM	8	4	17.61	0.058	17.77	0.060	17.77	0.060
3	16QAM	8	7	17.43	0.055	17.69	0.059	17.54	0.057
3	16QAM	15	0	17.71	0.059	17.55	0.057	17.66	0.058
3	64QAM	1	0	17.81	0.060	17.89	0.062	17.94	0.062
3	64QAM	1	8	17.99	0.063	17.92	0.062	17.96	0.063
3	64QAM	1	14	17.52	0.056	17.60	0.058	17.63	0.058
3	64QAM	8	0	16.59	0.046	16.66	0.046	16.65	0.046
3	64QAM	8	4	16.74	0.047	16.71	0.047	16.68	0.047
3	64QAM	8	7	16.53	0.045	16.64	0.046	16.72	0.047
3	64QAM	15	0	16.64	0.046	16.65	0.046	16.64	0.046



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20407		20525		20643	
Frequency (MHz)				824.7		836.5		848.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	19.43	0.088	19.47	0.089	19.44	0.088
1.4	QPSK	1	3	19.42	0.087	19.48	0.089	19.45	0.088
1.4	QPSK	1	5	19.31	0.085	19.40	0.087	19.35	0.086
1.4	QPSK	3	0	19.44	0.088	19.34	0.086	19.47	0.089
1.4	QPSK	3	1	19.45	0.088	19.43	0.088	19.59	0.091
1.4	QPSK	3	3	19.34	0.086	19.51	0.089	19.49	0.089
1.4	QPSK	6	0	18.43	0.070	18.49	0.071	18.57	0.072
1.4	16QAM	1	0	18.66	0.073	18.91	0.078	18.83	0.076
1.4	16QAM	1	3	18.87	0.077	19.12	0.082	18.69	0.074
1.4	16QAM	1	5	18.66	0.073	19.00	0.079	18.67	0.074
1.4	16QAM	3	0	18.58	0.072	18.53	0.071	18.61	0.073
1.4	16QAM	3	1	18.59	0.072	18.53	0.071	18.59	0.072
1.4	16QAM	3	3	18.33	0.068	18.46	0.070	18.35	0.068
1.4	16QAM	6	0	17.54	0.057	17.58	0.057	17.55	0.057
1.4	64QAM	1	0	17.52	0.056	17.60	0.058	17.65	0.058
1.4	64QAM	1	3	17.87	0.061	17.94	0.062	17.82	0.061
1.4	64QAM	1	5	17.48	0.056	17.48	0.056	17.54	0.057
1.4	64QAM	3	0	17.55	0.057	17.34	0.054	17.63	0.058
1.4	64QAM	3	1	17.45	0.056	17.64	0.058	17.46	0.056
1.4	64QAM	3	3	17.64	0.058	17.67	0.058	17.73	0.059
1.4	64QAM	6	0	16.53	0.045	16.51	0.045	16.56	0.045



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	21.72	0.149	21.75	0.150	21.71	0.148
20	QPSK	1	49	21.62	0.145	21.70	0.148	21.56	0.143
20	QPSK	1	99	21.56	0.143	21.58	0.144	21.63	0.146
20	QPSK	50	0	20.60	0.115	20.88	0.122	20.69	0.117
20	QPSK	50	24	20.74	0.119	20.85	0.122	20.68	0.117
20	QPSK	50	50	20.78	0.120	20.80	0.120	20.69	0.117
20	QPSK	100	0	20.74	0.119	20.76	0.119	20.70	0.117
20	16QAM	1	0	20.75	0.119	21.03	0.127	21.05	0.127
20	16QAM	1	49	21.34	0.136	21.19	0.132	20.89	0.123
20	16QAM	1	99	21.23	0.133	20.97	0.125	20.82	0.121
20	16QAM	50	0	19.56	0.090	19.68	0.093	19.61	0.091
20	16QAM	50	24	19.75	0.094	19.81	0.096	19.77	0.095
20	16QAM	50	50	19.73	0.094	19.87	0.097	19.69	0.093
20	16QAM	100	0	19.78	0.095	19.79	0.095	19.72	0.094
20	64QAM	1	0	19.47	0.089	19.93	0.098	19.61	0.091
20	64QAM	1	49	20.10	0.102	20.05	0.101	19.89	0.097
20	64QAM	1	99	20.01	0.100	20.15	0.104	19.93	0.098
20	64QAM	50	0	18.70	0.074	18.69	0.074	18.62	0.073
20	64QAM	50	24	18.87	0.077	18.85	0.077	18.75	0.075
20	64QAM	50	50	18.80	0.076	18.78	0.076	18.78	0.076
20	64QAM	100	0	18.77	0.075	18.86	0.077	18.75	0.075



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	21.60	0.145	21.63	0.146	21.54	0.143
15	QPSK	1	37	21.64	0.146	21.67	0.147	21.64	0.146
15	QPSK	1	74	21.72	0.149	21.62	0.145	21.67	0.147
15	QPSK	36	0	20.66	0.116	20.73	0.118	20.63	0.116
15	QPSK	36	20	20.80	0.120	20.75	0.119	20.73	0.118
15	QPSK	36	39	20.74	0.119	20.81	0.121	20.77	0.119
15	QPSK	75	0	20.77	0.119	20.69	0.117	20.73	0.118
15	16QAM	1	0	20.76	0.119	21.27	0.134	21.13	0.130
15	16QAM	1	37	21.33	0.136	20.88	0.122	21.08	0.128
15	16QAM	1	74	20.93	0.124	20.83	0.121	20.87	0.122
15	16QAM	36	0	19.80	0.095	19.61	0.091	19.48	0.089
15	16QAM	36	20	19.72	0.094	19.77	0.095	19.66	0.092
15	16QAM	36	39	19.71	0.094	19.77	0.095	19.71	0.094
15	16QAM	75	0	19.81	0.096	19.79	0.095	19.75	0.094
15	64QAM	1	0	19.72	0.094	19.97	0.099	19.84	0.096
15	64QAM	1	37	19.55	0.090	19.99	0.100	19.90	0.098
15	64QAM	1	74	20.15	0.104	20.09	0.102	20.02	0.100
15	64QAM	36	0	18.73	0.075	18.79	0.076	18.65	0.073
15	64QAM	36	20	18.80	0.076	18.75	0.075	18.63	0.073
15	64QAM	36	39	18.83	0.076	18.79	0.076	18.81	0.076
15	64QAM	75	0	18.74	0.075	18.79	0.076	18.77	0.075



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	21.50	0.141	21.68	0.147	21.50	0.141
10	QPSK	1	25	21.57	0.144	21.56	0.143	21.47	0.140
10	QPSK	1	49	21.53	0.142	21.69	0.148	21.73	0.149
10	QPSK	25	0	20.75	0.119	20.77	0.119	20.71	0.118
10	QPSK	25	12	20.79	0.120	20.82	0.121	20.80	0.120
10	QPSK	25	25	20.82	0.121	20.75	0.119	20.74	0.119
10	QPSK	50	0	20.74	0.119	20.76	0.119	20.75	0.119
10	16QAM	1	0	20.87	0.122	21.23	0.133	20.97	0.125
10	16QAM	1	25	20.60	0.115	21.12	0.129	20.58	0.114
10	16QAM	1	49	21.15	0.130	21.09	0.129	21.08	0.128
10	16QAM	25	0	19.86	0.097	19.70	0.093	19.62	0.092
10	16QAM	25	12	19.76	0.095	19.78	0.095	19.74	0.094
10	16QAM	25	25	19.89	0.097	19.58	0.091	19.73	0.094
10	16QAM	50	0	19.81	0.096	19.88	0.097	19.73	0.094
10	64QAM	1	0	19.76	0.095	19.90	0.098	19.78	0.095
10	64QAM	1	25	19.72	0.094	20.27	0.106	20.08	0.102
10	64QAM	1	49	20.03	0.101	19.65	0.092	19.84	0.096
10	64QAM	25	0	18.82	0.076	18.69	0.074	18.68	0.074
10	64QAM	25	12	18.82	0.076	18.79	0.076	18.81	0.076
10	64QAM	25	25	18.69	0.074	18.79	0.076	18.73	0.075
10	64QAM	50	0	18.76	0.075	18.84	0.077	18.78	0.076



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	21.51	0.142	21.62	0.145	21.52	0.142
5	QPSK	1	12	21.61	0.145	21.53	0.142	21.63	0.146
5	QPSK	1	24	21.57	0.144	21.62	0.145	21.67	0.147
5	QPSK	12	0	20.79	0.120	20.72	0.118	20.61	0.115
5	QPSK	12	7	20.69	0.117	20.79	0.120	20.72	0.118
5	QPSK	12	13	20.72	0.118	20.81	0.121	20.72	0.118
5	QPSK	25	0	20.72	0.118	20.72	0.118	20.68	0.117
5	16QAM	1	0	20.95	0.124	20.86	0.122	21.01	0.126
5	16QAM	1	12	20.53	0.113	21.12	0.129	20.79	0.120
5	16QAM	1	24	20.76	0.119	20.85	0.122	20.95	0.124
5	16QAM	12	0	19.72	0.094	19.85	0.097	19.70	0.093
5	16QAM	12	7	19.70	0.093	19.86	0.097	19.74	0.094
5	16QAM	12	13	19.76	0.095	19.79	0.095	19.77	0.095
5	16QAM	25	0	19.77	0.095	19.84	0.096	19.72	0.094
5	64QAM	1	0	19.77	0.095	19.79	0.095	19.78	0.095
5	64QAM	1	12	19.84	0.096	19.58	0.091	20.02	0.100
5	64QAM	1	24	19.91	0.098	19.77	0.095	19.56	0.090
5	64QAM	12	0	18.86	0.077	18.82	0.076	18.85	0.077
5	64QAM	12	7	18.77	0.075	18.76	0.075	18.77	0.075
5	64QAM	12	13	18.75	0.075	18.74	0.075	18.90	0.078
5	64QAM	25	0	18.74	0.075	18.80	0.076	18.63	0.073



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	17.67	0.058	17.94	0.062	17.75	0.060
10	QPSK	1	25	17.79	0.060	17.68	0.059	17.57	0.057
10	QPSK	1	49	17.74	0.059	17.79	0.060	17.66	0.058
10	QPSK	25	0	16.90	0.049	16.94	0.049	16.86	0.049
10	QPSK	25	12	16.89	0.049	16.84	0.048	17.05	0.051
10	QPSK	25	25	16.83	0.048	16.84	0.048	16.90	0.049
10	QPSK	50	0	17.03	0.050	16.86	0.049	17.01	0.050
10	16QAM	1	0	16.98	0.050	16.94	0.049	17.00	0.050
10	16QAM	1	25	16.94	0.049	17.42	0.055	17.38	0.055
10	16QAM	1	49	17.02	0.050	16.98	0.050	17.05	0.051
10	16QAM	25	0	15.95	0.039	16.03	0.040	15.97	0.040
10	16QAM	25	12	15.95	0.039	15.82	0.038	16.05	0.040
10	16QAM	25	25	15.89	0.039	15.87	0.039	16.02	0.040
10	16QAM	50	0	15.91	0.039	15.88	0.039	15.93	0.039
10	64QAM	1	0	16.01	0.040	16.03	0.040	16.13	0.041
10	64QAM	1	25	16.27	0.042	15.72	0.037	15.70	0.037
10	64QAM	1	49	16.17	0.041	16.01	0.040	16.26	0.042
10	64QAM	25	0	14.79	0.030	14.82	0.030	14.90	0.031
10	64QAM	25	12	14.96	0.031	14.80	0.030	14.99	0.032
10	64QAM	25	25	14.94	0.031	15.11	0.032	14.74	0.030
10	64QAM	50	0	14.92	0.031	14.86	0.031	14.75	0.030



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23035		23095		23155	
Frequency (MHz)				701.5		707.5		713.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	17.88	0.061	17.78	0.060	17.67	0.058
5	QPSK	1	12	17.74	0.059	17.91	0.062	17.84	0.061
5	QPSK	1	24	17.69	0.059	17.77	0.060	17.87	0.061
5	QPSK	12	0	16.93	0.049	16.92	0.049	16.92	0.049
5	QPSK	12	7	16.96	0.050	16.89	0.049	16.90	0.049
5	QPSK	12	13	16.89	0.049	16.89	0.049	16.81	0.048
5	QPSK	25	0	16.94	0.049	16.79	0.048	16.81	0.048
5	16QAM	1	0	16.96	0.050	16.75	0.047	17.28	0.053
5	16QAM	1	12	16.96	0.050	17.01	0.050	17.28	0.053
5	16QAM	1	24	17.35	0.054	17.39	0.055	17.19	0.052
5	16QAM	12	0	15.91	0.039	15.87	0.039	15.99	0.040
5	16QAM	12	7	15.98	0.040	16.02	0.040	15.79	0.038
5	16QAM	12	13	15.90	0.039	15.94	0.039	15.96	0.039
5	16QAM	25	0	15.91	0.039	15.85	0.038	15.83	0.038
5	64QAM	1	0	15.92	0.039	16.14	0.041	15.43	0.035
5	64QAM	1	12	16.01	0.040	16.14	0.041	15.71	0.037
5	64QAM	1	24	15.79	0.038	16.18	0.041	15.76	0.038
5	64QAM	12	0	14.79	0.030	15.06	0.032	14.43	0.028
5	64QAM	12	7	14.88	0.031	15.05	0.032	14.48	0.028
5	64QAM	12	13	15.06	0.032	14.97	0.031	14.67	0.029
5	64QAM	25	0	15.01	0.032	14.81	0.030	14.62	0.029



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	17.80	0.060	17.78	0.060	17.77	0.060
3	QPSK	1	8	17.83	0.061	17.82	0.061	17.85	0.061
3	QPSK	1	14	17.79	0.060	17.74	0.059	17.78	0.060
3	QPSK	8	0	16.87	0.049	16.83	0.048	16.85	0.048
3	QPSK	8	4	16.89	0.049	16.93	0.049	16.96	0.050
3	QPSK	8	7	16.84	0.048	16.90	0.049	16.88	0.049
3	QPSK	15	0	16.95	0.050	16.82	0.048	16.83	0.048
3	16QAM	1	0	17.00	0.050	16.80	0.048	16.89	0.049
3	16QAM	1	8	16.96	0.050	17.45	0.056	17.42	0.055
3	16QAM	1	14	17.31	0.054	17.04	0.051	16.86	0.049
3	16QAM	8	0	15.91	0.039	15.98	0.040	16.04	0.040
3	16QAM	8	4	15.98	0.040	16.09	0.041	16.07	0.040
3	16QAM	8	7	15.99	0.040	15.83	0.038	15.87	0.039
3	16QAM	15	0	15.99	0.040	15.77	0.038	15.88	0.039
3	64QAM	1	0	15.70	0.037	15.94	0.039	15.55	0.036
3	64QAM	1	8	16.26	0.042	16.34	0.043	15.60	0.036
3	64QAM	1	14	16.05	0.040	16.17	0.041	15.57	0.036
3	64QAM	8	0	14.93	0.031	14.92	0.031	14.52	0.028
3	64QAM	8	4	14.73	0.030	14.90	0.031	14.59	0.029
3	64QAM	8	7	14.89	0.031	15.11	0.032	14.97	0.031
3	64QAM	15	0	14.89	0.031	14.86	0.031	14.63	0.029



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	17.76	0.060	17.66	0.058	17.67	0.058
1.4	QPSK	1	3	17.69	0.059	17.76	0.060	17.78	0.060
1.4	QPSK	1	5	17.65	0.058	17.71	0.059	17.65	0.058
1.4	QPSK	3	0	17.74	0.059	17.62	0.058	17.74	0.059
1.4	QPSK	3	1	17.76	0.060	17.76	0.060	17.81	0.060
1.4	QPSK	3	3	17.71	0.059	17.70	0.059	17.70	0.059
1.4	QPSK	6	0	16.80	0.048	16.81	0.048	16.86	0.049
1.4	16QAM	1	0	16.74	0.047	17.25	0.053	16.88	0.049
1.4	16QAM	1	3	17.02	0.050	16.81	0.048	17.16	0.052
1.4	16QAM	1	5	16.90	0.049	17.09	0.051	17.16	0.052
1.4	16QAM	3	0	16.87	0.049	16.89	0.049	16.83	0.048
1.4	16QAM	3	1	16.94	0.049	16.94	0.049	17.06	0.051
1.4	16QAM	3	3	16.81	0.048	16.88	0.049	16.89	0.049
1.4	16QAM	6	0	16.05	0.040	15.83	0.038	15.89	0.039
1.4	64QAM	1	0	15.81	0.038	16.00	0.040	15.81	0.038
1.4	64QAM	1	3	16.01	0.040	15.83	0.038	15.97	0.040
1.4	64QAM	1	5	15.43	0.035	15.92	0.039	16.09	0.041
1.4	64QAM	3	0	16.02	0.040	15.64	0.037	15.97	0.040
1.4	64QAM	3	1	15.89	0.039	15.88	0.039	15.93	0.039
1.4	64QAM	3	3	15.97	0.040	15.92	0.039	16.01	0.040
1.4	64QAM	6	0	14.90	0.031	14.84	0.030	14.82	0.030



LTE Band 17				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23780		23790		23800	
Frequency (MHz)				709		710		711	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	17.57	0.057	17.87	0.061	17.57	0.057
10	QPSK	1	25	17.60	0.058	17.58	0.057	17.65	0.058
10	QPSK	1	49	17.84	0.061	17.61	0.058	17.77	0.060
10	QPSK	25	0	16.71	0.047	16.91	0.049	16.63	0.046
10	QPSK	25	12	16.86	0.049	16.82	0.048	16.73	0.047
10	QPSK	25	25	16.85	0.048	16.84	0.048	16.81	0.048
10	QPSK	50	0	16.65	0.046	16.70	0.047	16.73	0.047
10	16QAM	1	0	17.14	0.052	16.98	0.050	16.65	0.046
10	16QAM	1	25	17.14	0.052	17.08	0.051	17.23	0.053
10	16QAM	1	49	17.29	0.054	17.32	0.054	16.70	0.047
10	16QAM	25	0	15.73	0.037	15.79	0.038	15.57	0.036
10	16QAM	25	12	15.73	0.037	15.75	0.038	15.83	0.038
10	16QAM	25	25	15.79	0.038	15.75	0.038	15.87	0.039
10	16QAM	50	0	15.65	0.037	15.67	0.037	15.75	0.038
10	64QAM	1	0	16.02	0.040	15.58	0.036	15.91	0.039
10	64QAM	1	25	15.55	0.036	16.05	0.040	15.91	0.039
10	64QAM	1	49	15.76	0.038	15.90	0.039	15.98	0.040
10	64QAM	25	0	14.75	0.030	14.72	0.030	14.65	0.029
10	64QAM	25	12	14.80	0.030	14.82	0.030	14.69	0.029
10	64QAM	25	25	14.79	0.030	14.90	0.031	14.89	0.031
10	64QAM	50	0	14.74	0.030	14.62	0.029	14.70	0.030



LTE Band 17				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23755		23790		23825	
Frequency (MHz)				706.5		710		713.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	17.69	0.059	17.60	0.058	17.68	0.059
5	QPSK	1	12	17.83	0.061	17.62	0.058	17.57	0.057
5	QPSK	1	24	17.70	0.059	17.76	0.060	17.72	0.059
5	QPSK	12	0	16.78	0.048	16.78	0.048	16.74	0.047
5	QPSK	12	7	16.82	0.048	16.71	0.047	16.82	0.048
5	QPSK	12	13	16.85	0.048	16.76	0.047	16.85	0.048
5	QPSK	25	0	16.85	0.048	16.71	0.047	16.75	0.047
5	16QAM	1	0	17.19	0.052	16.75	0.047	17.14	0.052
5	16QAM	1	12	17.26	0.053	17.19	0.052	17.15	0.052
5	16QAM	1	24	17.11	0.051	17.25	0.053	16.97	0.050
5	16QAM	12	0	15.71	0.037	15.70	0.037	15.62	0.036
5	16QAM	12	7	15.84	0.038	15.75	0.038	15.87	0.039
5	16QAM	12	13	15.92	0.039	15.79	0.038	15.81	0.038
5	16QAM	25	0	15.76	0.038	15.79	0.038	15.78	0.038
5	64QAM	1	0	15.96	0.039	16.11	0.041	15.96	0.039
5	64QAM	1	12	15.92	0.039	16.04	0.040	15.47	0.035
5	64QAM	1	24	16.21	0.042	16.03	0.040	15.33	0.034
5	64QAM	12	0	14.94	0.031	14.75	0.030	14.68	0.029
5	64QAM	12	7	14.92	0.031	14.95	0.031	14.68	0.029
5	64QAM	12	13	14.88	0.031	14.84	0.030	14.87	0.031
5	64QAM	25	0	14.79	0.030	14.66	0.029	14.76	0.030



LTE Band 18				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23965		23970		23975	
Frequency (MHz)				826.5		827		827.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	18.82	0.076	18.74	0.075	18.88	0.077
5	QPSK	1	12	18.77	0.075	18.82	0.076	18.91	0.078
5	QPSK	1	24	18.78	0.076	18.74	0.075	18.86	0.077
5	QPSK	12	0	18.21	0.066	18.21	0.066	18.13	0.065
5	QPSK	12	7	18.26	0.067	18.14	0.065	18.16	0.065
5	QPSK	12	13	18.01	0.063	18.01	0.063	18.13	0.065
5	QPSK	25	0	18.16	0.065	18.18	0.066	18.13	0.065
5	16QAM	1	0	18.50	0.071	18.52	0.071	18.61	0.073
5	16QAM	1	12	18.23	0.067	18.27	0.067	18.31	0.068
5	16QAM	1	24	18.43	0.070	18.36	0.069	18.34	0.068
5	16QAM	12	0	17.00	0.050	17.10	0.051	17.06	0.051
5	16QAM	12	7	17.28	0.053	17.18	0.052	17.24	0.053
5	16QAM	12	13	17.23	0.053	17.19	0.052	17.22	0.053
5	16QAM	25	0	17.09	0.051	17.12	0.052	17.07	0.051
5	64QAM	1	0	17.25	0.053	17.30	0.054	17.36	0.054
5	64QAM	1	12	17.53	0.057	17.40	0.055	17.43	0.055
5	64QAM	1	24	17.25	0.053	17.32	0.054	17.30	0.054
5	64QAM	12	0	16.29	0.043	16.13	0.041	16.22	0.042
5	64QAM	12	7	16.06	0.040	16.06	0.040	16.18	0.041
5	64QAM	12	13	16.14	0.041	16.30	0.043	16.23	0.042
5	64QAM	25	0	16.08	0.041	16.23	0.042	16.20	0.042



LTE Band19				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				/		24075		/	
Frequency (MHz)				/		837.5		/	
				/	/	dbm	W	/	/
15	QPSK	1	0	/	/	19.54	0.090	/	/
15	QPSK	1	37	/	/	19.5	0.089	/	/
15	QPSK	1	74	/	/	19.38	0.087	/	/
15	QPSK	36	0	/	/	18.67	0.074	/	/
15	QPSK	36	20	/	/	18.56	0.072	/	/
15	QPSK	36	39	/	/	18.64	0.073	/	/
15	QPSK	75	0	/	/	18.64	0.073	/	/
15	16QAM	1	0	/	/	19.00	0.079	/	/
15	16QAM	1	37	/	/	19.02	0.080	/	/
15	16QAM	1	74	/	/	18.91	0.078	/	/
15	16QAM	36	0	/	/	17.61	0.058	/	/
15	16QAM	36	20	/	/	17.61	0.058	/	/
15	16QAM	36	39	/	/	17.52	0.056	/	/
15	16QAM	75	0	/	/	17.61	0.058	/	/
15	64QAM	1	0	/	/	17.63	0.058	/	/
15	64QAM	1	37	/	/	17.74	0.059	/	/
15	64QAM	1	74	/	/	17.58	0.057	/	/
15	64QAM	36	0	/	/	16.76	0.047	/	/
15	64QAM	36	20	/	/	16.59	0.046	/	/
15	64QAM	36	39	/	/	16.57	0.045	/	/
15	64QAM	75	0	/	/	16.62	0.046	/	/



LTE Band19				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				24050		24075		24100	
Frequency (MHz)				835		837.5		840	
				dbm	W	dbm	W	dbm	W
10	QPSK	1	0	19.56	0.090	19.57	0.091	19.54	0.090
10	QPSK	1	25	19.36	0.086	19.53	0.090	19.55	0.090
10	QPSK	1	49	19.41	0.087	19.68	0.093	19.41	0.087
10	QPSK	25	0	18.54	0.071	18.64	0.073	18.64	0.073
10	QPSK	25	12	18.75	0.075	18.68	0.074	18.62	0.073
10	QPSK	25	25	18.69	0.074	18.69	0.074	18.60	0.072
10	QPSK	50	0	18.64	0.073	18.64	0.073	18.69	0.074
10	16QAM	1	0	18.85	0.077	19.02	0.080	18.71	0.074
10	16QAM	1	25	18.72	0.074	18.86	0.077	18.87	0.077
10	16QAM	1	49	19.12	0.082	19.11	0.081	18.74	0.075
10	16QAM	25	0	17.50	0.056	17.57	0.057	17.68	0.059
10	16QAM	25	12	17.64	0.058	17.68	0.059	17.65	0.058
10	16QAM	25	25	17.59	0.057	17.74	0.059	17.68	0.059
10	16QAM	50	0	17.60	0.058	17.63	0.058	17.63	0.058
10	64QAM	1	0	17.76	0.060	17.87	0.061	17.94	0.062
10	64QAM	1	12	17.53	0.057	17.73	0.059	17.56	0.057
10	64QAM	1	24	18.02	0.063	17.86	0.061	17.82	0.061
10	64QAM	12	0	16.68	0.047	16.54	0.045	16.67	0.046
10	64QAM	12	7	16.69	0.047	16.58	0.045	16.68	0.047
10	64QAM	12	13	16.70	0.047	16.65	0.046	16.70	0.047
10	64QAM	25	0	16.72	0.047	16.67	0.046	16.69	0.047



LTE Band19				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				24025		24075		24125	
Frequency (MHz)				832.5		837.5		842.5	
				dbm	W	dbm	W	dbm	W
5	QPSK	1	0	19.58	0.091	19.61	0.091	19.54	0.090
5	QPSK	1	12	19.71	0.094	19.60	0.091	19.48	0.089
5	QPSK	1	24	19.61	0.091	19.58	0.091	19.60	0.091
5	QPSK	12	0	18.60	0.072	18.61	0.073	18.62	0.073
5	QPSK	12	7	18.70	0.074	18.63	0.073	18.61	0.073
5	QPSK	12	13	18.61	0.073	18.60	0.072	18.60	0.072
5	QPSK	25	0	18.71	0.074	18.65	0.073	18.54	0.071
5	16QAM	1	0	18.58	0.072	19.14	0.082	19.13	0.082
5	16QAM	1	12	18.52	0.071	19.14	0.082	18.73	0.075
5	16QAM	1	24	18.64	0.073	18.56	0.072	18.71	0.074
5	16QAM	12	0	17.70	0.059	17.73	0.059	17.63	0.058
5	16QAM	12	7	17.63	0.058	17.69	0.059	17.63	0.058
5	16QAM	12	13	17.62	0.058	17.68	0.059	17.67	0.058
5	16QAM	25	0	17.72	0.059	17.67	0.058	17.68	0.059
5	64QAM	1	0	17.94	0.062	17.97	0.063	17.68	0.059
5	64QAM	1	12	17.81	0.060	17.93	0.062	17.94	0.062
5	64QAM	1	24	17.80	0.060	17.52	0.056	17.90	0.062
5	64QAM	12	0	16.58	0.045	16.64	0.046	16.69	0.047
5	64QAM	12	7	16.73	0.047	16.66	0.046	16.76	0.047
5	64QAM	12	13	16.74	0.047	16.78	0.048	16.63	0.046
5	64QAM	25	0	16.68	0.047	16.58	0.045	16.65	0.046



LTE Band26				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	19.64	0.092	19.51	0.089	19.54	0.090
15	QPSK	1	37	19.54	0.090	19.52	0.090	19.63	0.092
15	QPSK	1	74	19.56	0.090	19.48	0.089	19.52	0.090
15	QPSK	36	0	18.82	0.076	18.88	0.077	18.79	0.076
15	QPSK	36	20	18.80	0.076	18.84	0.077	18.81	0.076
15	QPSK	36	39	18.66	0.073	18.78	0.076	18.73	0.075
15	QPSK	75	0	18.66	0.073	18.89	0.077	18.80	0.076
15	16QAM	1	0	18.89	0.077	19.14	0.082	19.06	0.081
15	16QAM	1	37	18.90	0.078	18.61	0.073	18.57	0.072
15	16QAM	1	74	19.07	0.081	18.75	0.075	18.85	0.077
15	16QAM	36	0	17.79	0.060	17.66	0.058	17.71	0.059
15	16QAM	36	20	17.75	0.060	17.65	0.058	17.75	0.060
15	16QAM	36	39	17.82	0.061	17.66	0.058	17.81	0.060
15	16QAM	75	0	17.73	0.059	17.79	0.060	17.80	0.060
15	64QAM	1	0	17.55	0.057	17.83	0.061	17.96	0.063
15	64QAM	1	37	17.93	0.062	17.94	0.062	18.01	0.063
15	64QAM	1	74	17.86	0.061	17.66	0.058	17.63	0.058
15	64QAM	36	0	16.82	0.048	16.76	0.047	16.84	0.048
15	64QAM	36	20	16.61	0.046	16.73	0.047	16.80	0.048
15	64QAM	36	39	16.75	0.047	16.71	0.047	16.74	0.047
15	64QAM	75	0	16.79	0.048	16.83	0.048	16.75	0.047



LTE Band26				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	19.58	0.091	19.53	0.090	19.55	0.090
10	QPSK	1	25	19.51	0.089	19.55	0.090	19.61	0.091
10	QPSK	1	49	19.27	0.085	19.46	0.088	19.38	0.087
10	QPSK	25	0	18.62	0.073	18.48	0.070	18.62	0.073
10	QPSK	25	12	18.61	0.073	18.69	0.074	18.66	0.073
10	QPSK	25	25	18.35	0.068	18.48	0.070	18.50	0.071
10	QPSK	50	0	18.56	0.072	18.80	0.076	18.67	0.074
10	16QAM	1	0	19.02	0.080	19.09	0.081	19.10	0.081
10	16QAM	1	25	18.80	0.076	18.82	0.076	18.69	0.074
10	16QAM	1	49	18.70	0.074	18.91	0.078	18.81	0.076
10	16QAM	25	0	17.64	0.058	17.41	0.055	17.56	0.057
10	16QAM	25	12	17.59	0.057	17.71	0.059	17.63	0.058
10	16QAM	25	25	17.35	0.054	17.39	0.055	17.42	0.055
10	16QAM	50	0	17.57	0.057	17.60	0.058	17.56	0.057
10	64QAM	1	0	17.96	0.063	17.80	0.060	17.85	0.061
10	64QAM	1	25	17.41	0.055	17.41	0.055	17.56	0.057
10	64QAM	1	49	17.69	0.059	17.62	0.058	17.64	0.058
10	64QAM	25	0	16.73	0.047	16.59	0.046	16.65	0.046
10	64QAM	25	12	16.54	0.045	16.84	0.048	16.69	0.047
10	64QAM	25	25	16.38	0.043	16.63	0.046	16.50	0.045
10	64QAM	50	0	16.42	0.044	16.47	0.044	16.55	0.045



LTE Band26				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	19.57	0.091	19.58	0.091	19.57	0.091
5	QPSK	1	12	19.47	0.089	19.57	0.091	19.56	0.090
5	QPSK	1	24	19.56	0.090	19.56	0.090	19.55	0.090
5	QPSK	12	0	18.54	0.071	18.46	0.070	18.55	0.072
5	QPSK	12	7	18.58	0.072	18.45	0.070	18.49	0.071
5	QPSK	12	13	18.44	0.070	18.63	0.073	18.54	0.071
5	QPSK	25	0	19.55	0.090	19.63	0.092	19.48	0.089
5	16QAM	1	0	18.97	0.079	18.78	0.076	18.84	0.077
5	16QAM	1	12	18.92	0.078	18.99	0.079	18.85	0.077
5	16QAM	1	24	18.77	0.075	18.97	0.079	18.86	0.077
5	16QAM	12	0	17.70	0.059	17.55	0.057	17.59	0.057
5	16QAM	12	7	17.69	0.059	17.76	0.060	17.67	0.058
5	16QAM	12	13	17.51	0.056	17.56	0.057	17.61	0.058
5	16QAM	25	0	18.59	0.072	18.64	0.073	18.61	0.073
5	64QAM	1	0	17.76	0.060	17.70	0.059	17.63	0.058
5	64QAM	1	12	17.94	0.062	17.78	0.060	17.88	0.061
5	64QAM	1	24	17.81	0.060	17.79	0.060	17.88	0.061
5	64QAM	12	0	16.63	0.046	16.44	0.044	16.57	0.045
5	64QAM	12	7	16.74	0.047	16.57	0.045	16.64	0.046
5	64QAM	12	13	16.59	0.046	16.51	0.045	16.57	0.045
5	64QAM	25	0	17.78	0.060	17.76	0.060	17.67	0.058



LTE Band26				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	19.51	0.089	19.50	0.089	19.46	0.088
3	QPSK	1	8	19.57	0.091	19.49	0.089	19.60	0.091
3	QPSK	1	14	19.47	0.089	19.52	0.090	19.48	0.089
3	QPSK	8	0	18.42	0.070	18.57	0.072	18.56	0.072
3	QPSK	8	4	18.78	0.076	18.52	0.071	18.67	0.074
3	QPSK	8	7	18.70	0.074	18.57	0.072	18.56	0.072
3	QPSK	15	0	18.54	0.071	18.47	0.070	18.58	0.072
3	16QAM	1	0	18.46	0.070	18.63	0.073	18.61	0.073
3	16QAM	1	8	18.86	0.077	18.92	0.078	18.77	0.075
3	16QAM	1	14	18.69	0.074	18.73	0.075	18.72	0.074
3	16QAM	8	0	17.68	0.059	17.66	0.058	17.53	0.057
3	16QAM	8	4	17.59	0.057	17.71	0.059	17.62	0.058
3	16QAM	8	7	17.79	0.060	17.62	0.058	17.67	0.058
3	16QAM	15	0	17.68	0.059	17.50	0.056	17.60	0.058
3	64QAM	1	0	17.90	0.062	17.68	0.059	17.80	0.060
3	64QAM	1	8	17.77	0.060	17.82	0.061	17.67	0.058
3	64QAM	1	14	17.83	0.061	17.70	0.059	17.83	0.061
3	64QAM	8	0	16.51	0.045	16.66	0.046	16.66	0.046
3	64QAM	8	4	16.42	0.044	16.44	0.044	16.56	0.045
3	64QAM	8	7	16.71	0.047	16.63	0.046	16.58	0.045
3	64QAM	15	0	16.50	0.045	16.48	0.044	16.48	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	19.48	0.089	19.33	0.086	19.46	0.088
1.4	QPSK	1	3	19.33	0.086	19.35	0.086	19.44	0.088
1.4	QPSK	1	5	19.51	0.089	19.38	0.087	19.38	0.087
1.4	QPSK	3	0	19.40	0.087	19.39	0.087	19.46	0.088
1.4	QPSK	3	1	19.62	0.092	19.42	0.087	19.53	0.090
1.4	QPSK	3	3	19.41	0.087	19.51	0.089	19.45	0.088
1.4	QPSK	6	0	18.72	0.074	18.43	0.070	18.58	0.072
1.4	16QAM	1	0	18.94	0.078	18.75	0.075	18.81	0.076
1.4	16QAM	1	3	18.77	0.075	18.51	0.071	18.64	0.073
1.4	16QAM	1	5	18.82	0.076	18.84	0.077	18.91	0.078
1.4	16QAM	3	0	18.66	0.073	18.55	0.072	18.55	0.072
1.4	16QAM	3	1	18.73	0.075	18.70	0.074	18.63	0.073
1.4	16QAM	3	3	18.63	0.073	18.42	0.070	18.49	0.071
1.4	16QAM	6	0	17.69	0.059	17.65	0.058	17.65	0.058
1.4	64QAM	1	0	17.75	0.060	17.78	0.060	17.74	0.059
1.4	64QAM	1	3	17.50	0.056	17.55	0.057	17.48	0.056
1.4	64QAM	1	5	17.59	0.057	17.65	0.058	17.53	0.057
1.4	64QAM	3	0	17.64	0.058	17.79	0.060	17.75	0.060
1.4	64QAM	3	1	17.61	0.058	17.53	0.057	17.66	0.058
1.4	64QAM	3	3	17.74	0.059	17.67	0.058	17.72	0.059
1.4	64QAM	6	0	16.67	0.046	16.48	0.044	16.53	0.045



LTE Band 38				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				37850		38000		38150	
Frequency (MHz)				2580		2595		2610	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	21.55	0.143	21.67	0.147	21.60	0.145
20	QPSK	1	49	21.66	0.147	21.54	0.143	21.63	0.146
20	QPSK	1	99	21.57	0.144	21.54	0.143	21.58	0.144
20	QPSK	50	0	20.84	0.121	20.98	0.125	20.80	0.120
20	QPSK	50	24	20.89	0.123	20.95	0.124	20.81	0.121
20	QPSK	50	50	20.90	0.123	20.83	0.121	20.84	0.121
20	QPSK	100	0	20.92	0.124	20.83	0.121	20.76	0.119
20	16QAM	1	0	21.06	0.128	20.91	0.123	20.93	0.124
20	16QAM	1	49	20.95	0.124	20.85	0.122	20.98	0.125
20	16QAM	1	99	20.96	0.125	20.88	0.122	20.96	0.125
20	16QAM	50	0	19.75	0.094	19.88	0.097	19.83	0.096
20	16QAM	50	24	19.88	0.097	19.86	0.097	19.78	0.095
20	16QAM	50	50	19.95	0.099	19.92	0.098	19.80	0.095
20	16QAM	100	0	19.87	0.097	19.92	0.098	19.84	0.096
20	64QAM	1	0	19.79	0.095	19.75	0.094	19.72	0.094
20	64QAM	1	49	19.82	0.096	19.75	0.094	19.88	0.097
20	64QAM	1	99	19.82	0.096	19.85	0.097	19.89	0.097
20	64QAM	50	0	18.89	0.077	18.87	0.077	18.84	0.077
20	64QAM	50	24	18.94	0.078	18.88	0.077	18.85	0.077
20	64QAM	50	50	18.93	0.078	18.85	0.077	18.94	0.078
20	64QAM	100	0	18.95	0.079	18.87	0.077	18.76	0.075



LTE Band 38				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				37825		38000		38175	
Frequency (MHz)				2577.5		2595		2612.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	21.58	0.144	21.66	0.147	21.60	0.145
15	QPSK	1	37	21.66	0.147	21.62	0.145	21.67	0.147
15	QPSK	1	74	21.56	0.143	21.52	0.142	21.54	0.143
15	QPSK	36	0	20.87	0.122	20.81	0.121	20.81	0.121
15	QPSK	36	20	20.90	0.123	20.85	0.122	20.87	0.122
15	QPSK	36	39	20.92	0.124	20.89	0.123	20.82	0.121
15	QPSK	75	0	20.94	0.124	20.92	0.124	20.85	0.122
15	16QAM	1	0	20.94	0.124	20.91	0.123	20.89	0.123
15	16QAM	1	37	20.85	0.122	20.89	0.123	20.94	0.124
15	16QAM	1	74	21.02	0.126	20.96	0.125	20.99	0.126
15	16QAM	36	0	19.85	0.097	19.79	0.095	19.84	0.096
15	16QAM	36	20	19.78	0.095	19.78	0.095	19.79	0.095
15	16QAM	36	39	19.83	0.096	19.79	0.095	19.78	0.095
15	16QAM	75	0	19.89	0.097	19.85	0.097	19.82	0.096
15	64QAM	1	0	19.94	0.099	19.75	0.094	19.70	0.093
15	64QAM	1	37	19.83	0.096	19.85	0.097	19.78	0.095
15	64QAM	1	74	19.80	0.095	19.73	0.094	19.83	0.096
15	64QAM	36	0	18.90	0.078	18.80	0.076	18.75	0.075
15	64QAM	36	20	18.83	0.076	18.92	0.078	18.81	0.076
15	64QAM	36	39	18.93	0.078	18.81	0.076	18.87	0.077
15	64QAM	75	0	18.91	0.078	18.89	0.077	18.84	0.077



LTE Band 38				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				37800		38000		38200	
Frequency (MHz)				2575		2595		2615	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	21.67	0.147	21.64	0.146	21.61	0.145
10	QPSK	1	25	21.63	0.146	21.61	0.145	21.57	0.144
10	QPSK	1	49	21.55	0.143	21.62	0.145	21.62	0.145
10	QPSK	25	0	20.94	0.124	20.80	0.120	20.84	0.121
10	QPSK	25	12	20.98	0.125	20.89	0.123	20.83	0.121
10	QPSK	25	25	20.90	0.123	20.95	0.124	20.86	0.122
10	QPSK	50	0	20.95	0.124	20.91	0.123	20.83	0.121
10	16QAM	1	0	21.09	0.129	21.00	0.126	21.18	0.131
10	16QAM	1	25	20.98	0.125	21.00	0.126	21.02	0.126
10	16QAM	1	49	21.02	0.126	20.99	0.126	21.01	0.126
10	16QAM	25	0	19.94	0.099	19.79	0.095	19.71	0.094
10	16QAM	25	12	19.97	0.099	19.94	0.099	19.92	0.098
10	16QAM	25	25	19.92	0.098	19.84	0.096	19.83	0.096
10	16QAM	50	0	19.97	0.099	19.96	0.099	19.94	0.099
10	64QAM	1	0	20.08	0.102	20.04	0.101	20.01	0.100
10	64QAM	1	25	20.08	0.102	20.11	0.103	20.05	0.101
10	64QAM	1	49	19.93	0.098	20.08	0.102	19.87	0.097
10	64QAM	25	0	18.96	0.079	18.94	0.078	18.95	0.079
10	64QAM	25	12	18.95	0.079	18.91	0.078	18.81	0.076
10	64QAM	25	25	18.97	0.079	18.94	0.078	18.91	0.078
10	64QAM	50	0	18.92	0.078	18.89	0.077	18.95	0.079



LTE Band 38				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				37775		38000		38225	
Frequency (MHz)				2572.5		2595		2617.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	21.58	0.144	21.62	0.145	21.64	0.146
5	QPSK	1	12	21.60	0.145	21.59	0.144	21.60	0.145
5	QPSK	1	24	21.63	0.146	21.65	0.146	21.61	0.145
5	QPSK	12	0	20.88	0.122	20.86	0.122	20.72	0.118
5	QPSK	12	7	20.91	0.123	20.90	0.123	20.78	0.120
5	QPSK	12	13	20.87	0.122	20.86	0.122	20.84	0.121
5	QPSK	25	0	20.90	0.123	20.86	0.122	20.73	0.118
5	16QAM	1	0	21.08	0.128	21.04	0.127	20.95	0.124
5	16QAM	1	12	21.05	0.127	20.97	0.125	21.02	0.126
5	16QAM	1	24	21.09	0.129	21.01	0.126	20.96	0.125
5	16QAM	12	0	19.88	0.097	19.83	0.096	19.81	0.096
5	16QAM	12	7	19.96	0.099	19.96	0.099	19.84	0.096
5	16QAM	12	13	19.84	0.096	19.87	0.097	19.86	0.097
5	16QAM	25	0	19.89	0.097	19.84	0.096	19.83	0.096
5	64QAM	1	0	19.93	0.098	19.95	0.099	19.92	0.098
5	64QAM	1	12	19.90	0.098	19.96	0.099	19.93	0.098
5	64QAM	1	24	19.96	0.099	19.93	0.098	19.94	0.099
5	64QAM	12	0	18.99	0.079	18.97	0.079	18.83	0.076
5	64QAM	12	7	18.97	0.079	18.86	0.077	18.85	0.077
5	64QAM	12	13	18.89	0.077	18.86	0.077	18.96	0.079
5	64QAM	25	0	18.95	0.079	18.93	0.078	18.83	0.076



LTE Band 40, Block A				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				/		38750		/	
Frequency (MHz)				/		2310		/	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	/	/	22.83	0.192	/	/
10	QPSK	1	25	/	/	22.71	0.187	/	/
10	QPSK	1	49	/	/	22.81	0.191	/	/
10	QPSK	25	0	/	/	21.93	0.156	/	/
10	QPSK	25	12	/	/	21.90	0.155	/	/
10	QPSK	25	25	/	/	21.92	0.156	/	/
10	QPSK	50	0	/	/	22.00	0.158	/	/
10	16QAM	1	0	/	/	22.16	0.164	/	/
10	16QAM	1	25	/	/	22.07	0.161	/	/
10	16QAM	1	49	/	/	22.06	0.161	/	/
10	16QAM	25	0	/	/	21.05	0.127	/	/
10	16QAM	25	12	/	/	21.02	0.126	/	/
10	16QAM	25	25	/	/	20.89	0.123	/	/
10	16QAM	50	0	/	/	20.95	0.124	/	/
10	64QAM	1	0	/	/	21.05	0.127	/	/
10	64QAM	1	25	/	/	20.95	0.124	/	/
10	64QAM	1	49	/	/	20.99	0.126	/	/
10	64QAM	25	0	/	/	19.99	0.100	/	/
10	64QAM	25	12	/	/	20.03	0.101	/	/
10	64QAM	25	25	/	/	19.99	0.100	/	/
10	64QAM	50	0	/	/	19.91	0.098	/	/



LTE Band 40, Block A				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				38725		38750		38775	
Frequency (MHz)				2307.5		2310		2312.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	22.63	0.183	22.71	0.187	22.58	0.181
5	QPSK	1	12	22.53	0.179	22.50	0.178	22.49	0.177
5	QPSK	1	24	22.48	0.177	22.54	0.179	22.52	0.179
5	QPSK	12	0	21.67	0.147	21.74	0.149	21.75	0.150
5	QPSK	12	7	21.68	0.147	21.71	0.148	21.76	0.150
5	QPSK	12	13	21.77	0.150	21.67	0.147	21.71	0.148
5	QPSK	25	0	21.68	0.147	21.78	0.151	21.76	0.150
5	16QAM	1	0	21.95	0.157	22.03	0.160	21.90	0.155
5	16QAM	1	12	21.95	0.157	21.93	0.156	21.98	0.158
5	16QAM	1	24	21.86	0.153	21.90	0.155	21.93	0.156
5	16QAM	12	0	20.70	0.117	20.82	0.121	20.80	0.120
5	16QAM	12	7	20.73	0.118	20.78	0.120	20.77	0.119
5	16QAM	12	13	20.72	0.118	20.79	0.120	20.78	0.120
5	16QAM	25	0	20.75	0.119	20.79	0.120	20.77	0.119
5	64QAM	1	0	20.83	0.121	20.88	0.122	20.77	0.119
5	64QAM	1	12	20.75	0.119	20.73	0.118	20.80	0.120
5	64QAM	1	24	20.79	0.120	20.77	0.119	20.85	0.122
5	64QAM	12	0	19.83	0.096	19.75	0.094	19.79	0.095
5	64QAM	12	7	19.84	0.096	19.79	0.095	19.76	0.095
5	64QAM	12	13	19.74	0.094	19.82	0.096	19.82	0.096
5	64QAM	25	0	19.78	0.095	19.84	0.096	19.85	0.097



LTE Band 40, Block B				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				/		39200		/	
Frequency (MHz)				/		2355		/	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	/	/	22.85	0.193	/	/
10	QPSK	1	25	/	/	22.82	0.191	/	/
10	QPSK	1	49	/	/	22.76	0.189	/	/
10	QPSK	25	0	/	/	22.07	0.161	/	/
10	QPSK	25	12	/	/	22.01	0.159	/	/
10	QPSK	25	25	/	/	22.00	0.158	/	/
10	QPSK	50	0	/	/	22.08	0.161	/	/
10	16QAM	1	0	/	/	22.16	0.164	/	/
10	16QAM	1	25	/	/	22.13	0.163	/	/
10	16QAM	1	49	/	/	22.16	0.164	/	/
10	16QAM	25	0	/	/	21.01	0.126	/	/
10	16QAM	25	12	/	/	21.05	0.127	/	/
10	16QAM	25	25	/	/	21.05	0.127	/	/
10	16QAM	50	0	/	/	20.97	0.125	/	/
10	64QAM	1	0	/	/	20.97	0.125	/	/
10	64QAM	1	25	/	/	21.25	0.133	/	/
10	64QAM	1	49	/	/	20.99	0.126	/	/
10	64QAM	25	0	/	/	19.96	0.099	/	/
10	64QAM	25	12	/	/	20.15	0.104	/	/
10	64QAM	25	25	/	/	20.12	0.103	/	/
10	64QAM	50	0	/	/	20.03	0.101	/	/



LTE Band 40, Block B				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39175		39200		39225	
Frequency (MHz)				2352.5		2355		2357.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	22.70	0.186	22.68	0.185	22.71	0.187
5	QPSK	1	12	22.52	0.179	22.57	0.181	22.58	0.181
5	QPSK	1	24	22.71	0.187	22.59	0.182	22.79	0.190
5	QPSK	12	0	21.80	0.151	21.81	0.152	21.78	0.151
5	QPSK	12	7	21.69	0.148	21.71	0.148	21.78	0.151
5	QPSK	12	13	21.84	0.153	21.78	0.151	21.80	0.151
5	QPSK	25	0	21.74	0.149	21.82	0.152	21.83	0.152
5	16QAM	1	0	21.97	0.157	22.07	0.161	22.14	0.164
5	16QAM	1	12	21.88	0.154	21.96	0.157	21.99	0.158
5	16QAM	1	24	21.97	0.157	22.05	0.160	22.03	0.160
5	16QAM	12	0	20.87	0.122	20.97	0.125	20.88	0.122
5	16QAM	12	7	20.74	0.119	20.88	0.122	20.83	0.121
5	16QAM	12	13	20.82	0.121	20.84	0.121	20.89	0.123
5	16QAM	25	0	20.79	0.120	20.91	0.123	20.93	0.124
5	64QAM	1	0	20.86	0.122	20.92	0.124	20.98	0.125
5	64QAM	1	12	20.85	0.122	20.92	0.124	20.88	0.122
5	64QAM	1	24	20.96	0.125	20.83	0.121	21.02	0.126
5	64QAM	12	0	19.83	0.096	19.88	0.097	19.85	0.097
5	64QAM	12	7	19.90	0.098	19.85	0.097	19.92	0.098
5	64QAM	12	13	19.86	0.097	19.85	0.097	19.78	0.095
5	64QAM	25	0	19.87	0.097	19.85	0.097	19.80	0.095



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

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Attenuator 1

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	1.24
	Low	16QAM	1.10	1.25
	Low	64QAM	1.09	1.25
	Mid	QPSK	1.09	1.23
	Mid	16QAM	1.09	1.23
	Mid	64QAM	1.10	1.24
	High	QPSK	1.09	1.23
	High	16QAM	1.09	1.24
	High	64QAM	1.09	1.24
3	Low	QPSK	2.70	2.97
	Low	16QAM	2.70	3.01
	Low	64QAM	2.71	3.01
	Mid	QPSK	2.70	3.01
	Mid	16QAM	2.70	3.00
	Mid	64QAM	2.71	3.01
	High	QPSK	2.70	3.00
	High	16QAM	2.70	3.01
	High	64QAM	2.71	3.00
5	Low	QPSK	4.50	4.98
	Low	16QAM	4.50	4.96
	Low	64QAM	4.49	4.96
	Mid	QPSK	4.50	4.98
	Mid	16QAM	4.51	4.96
	Mid	64QAM	4.49	4.97
	High	QPSK	4.50	4.96
	High	16QAM	4.51	4.97
	High	64QAM	4.49	4.97
10	Low	QPSK	8.99	9.73
	Low	16QAM	8.95	9.70
	Low	64QAM	8.96	9.76
	Mid	QPSK	8.98	9.80
	Mid	16QAM	8.96	9.75
	Mid	64QAM	8.96	9.83
	High	QPSK	9.00	9.82
	High	16QAM	8.95	9.68
	High	64QAM	8.97	9.77



15	Low	QPSK	13.45	14.62
	Low	16QAM	13.45	14.63
	Low	64QAM	13.46	14.59
	Mid	QPSK	13.48	14.68
	Mid	16QAM	13.46	15.48
	Mid	64QAM	13.45	14.65
	High	QPSK	13.46	14.62
	High	16QAM	13.46	14.77
	High	64QAM	13.46	14.62
20	Low	QPSK	17.90	19.50
	Low	16QAM	17.92	19.44
	Low	64QAM	17.95	19.45
	Mid	QPSK	17.95	19.45
	Mid	16QAM	17.95	19.46
	Mid	64QAM	17.98	19.56
	High	QPSK	17.90	19.41
	High	16QAM	17.95	19.39
	High	64QAM	17.91	19.40



LTE Band 4				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.24
	Low	16QAM	1.09	1.24
	Low	64QAM	1.09	1.24
	Mid	QPSK	1.09	1.24
	Mid	16QAM	1.09	1.24
	Mid	64QAM	1.09	1.24
	High	QPSK	1.10	1.23
	High	16QAM	1.09	1.24
	High	64QAM	1.09	1.24
3	Low	QPSK	2.70	3.0
	Low	16QAM	2.70	3.00
	Low	64QAM	2.71	3.01
	Mid	QPSK	2.70	3.00
	Mid	16QAM	2.70	3.01
	Mid	64QAM	2.71	3.01
	High	QPSK	2.70	2.99
	High	16QAM	2.70	3.01
	High	64QAM	2.71	3.02
5	Low	QPSK	4.50	4.97
	Low	16QAM	4.50	4.97
	Low	64QAM	4.50	4.97
	Mid	QPSK	4.50	4.96
	Mid	16QAM	4.50	4.95
	Mid	64QAM	4.50	4.97
	High	QPSK	4.51	4.98
	High	16QAM	4.50	4.99
	High	64QAM	4.49	4.97
10	Low	QPSK	9.01	9.78
	Low	16QAM	8.95	9.79
	Low	64QAM	8.98	9.73
	Mid	QPSK	8.98	9.80
	Mid	16QAM	8.96	9.74
	Mid	64QAM	8.96	9.79
	High	QPSK	8.99	9.86
	High	16QAM	8.96	9.76
	High	64QAM	8.97	9.82



15	Low	QPSK	13.48	14.71
	Low	16QAM	13.46	14.60
	Low	64QAM	13.44	14.73
	Mid	QPSK	13.50	14.72
	Mid	16QAM	13.46	14.68
	Mid	64QAM	13.49	14.78
	High	QPSK	13.49	14.74
	High	16QAM	13.45	14.55
	High	64QAM	13.46	14.66
20	Low	QPSK	17.9	19.46
	Low	16QAM	17.94	19.51
	Low	64QAM	17.94	19.33
	Mid	QPSK	17.93	19.39
	Mid	16QAM	17.98	19.62
	Mid	64QAM	17.95	19.54
	High	QPSK	17.96	19.56
	High	16QAM	17.97	19.53
	High	64QAM	17.97	19.57



LTE Band 5				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.22
	Low	16QAM	1.09	1.24
	Low	64QAM	1.09	1.24
	Mid	QPSK	1.09	1.23
	Mid	16QAM	1.10	1.25
	Mid	64QAM	1.09	1.24
	High	QPSK	1.09	1.24
	High	16QAM	1.09	1.24
	High	64QAM	1.09	1.24
3	Low	QPSK	2.70	2.98
	Low	16QAM	2.70	3.00
	Low	64QAM	2.70	3.01
	Mid	QPSK	2.70	2.99
	Mid	16QAM	2.70	3.00
	Mid	64QAM	2.71	3.02
	High	QPSK	2.70	2.99
	High	16QAM	2.69	3.00
	High	64QAM	2.71	3.01
5	Low	QPSK	4.50	5.00
	Low	16QAM	4.49	4.96
	Low	64QAM	4.50	4.96
	Mid	QPSK	4.50	4.98
	Mid	16QAM	4.50	4.97
	Mid	64QAM	4.49	4.95
	High	QPSK	4.49	4.97
	High	16QAM	4.49	4.95
	High	64QAM	4.50	4.93
10	Low	QPSK	8.97	9.75
	Low	16QAM	8.93	9.73
	Low	64QAM	8.98	9.82
	Mid	QPSK	9.00	9.81
	Mid	16QAM	8.95	9.76
	Mid	64QAM	8.96	9.79
	High	QPSK	8.98	9.80
	High	16QAM	8.95	9.74
	High	64QAM	8.97	9.81



LTE Band 7				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.49	4.99
	Low	16QAM	4.50	4.93
	Low	64QAM	4.50	4.94
	Mid	QPSK	4.50	4.95
	Mid	16QAM	4.50	4.94
	Mid	64QAM	4.50	4.96
	High	QPSK	4.50	5.00
	High	16QAM	4.50	4.97
	High	64QAM	4.50	4.95
10	Low	QPSK	9.01	9.79
	Low	16QAM	8.95	9.75
	Low	64QAM	8.98	9.82
	Mid	QPSK	8.99	9.76
	Mid	16QAM	8.96	9.72
	Mid	64QAM	8.99	9.82
	High	QPSK	8.99	9.76
	High	16QAM	8.95	9.81
	High	64QAM	8.97	9.84
15	Low	QPSK	13.47	14.67
	Low	16QAM	13.46	14.76
	Low	64QAM	13.46	14.63
	Mid	QPSK	13.46	14.69
	Mid	16QAM	13.46	14.63
	Mid	64QAM	13.48	14.65
	High	QPSK	13.45	14.67
	High	16QAM	13.47	14.70
	High	64QAM	13.45	14.68
20	Low	QPSK	17.93	19.40
	Low	16QAM	17.94	19.58
	Low	64QAM	17.94	19.54
	Mid	QPSK	17.95	19.53
	Mid	16QAM	17.99	19.53
	Mid	64QAM	17.94	19.47
	High	QPSK	17.96	19.47
	High	16QAM	17.94	19.46
	High	64QAM	17.94	19.40



LTE Band 12				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.24
	Low	16QAM	1.10	1.24
	Low	64QAM	1.09	1.24
	Mid	QPSK	1.10	1.24
	Mid	16QAM	1.09	1.24
	Mid	64QAM	1.09	1.24
	High	QPSK	1.09	1.23
	High	16QAM	1.10	1.24
	High	64QAM	1.09	1.24
3	Low	QPSK	2.70	2.98
	Low	16QAM	2.69	3.02
	Low	64QAM	2.70	3.00
	Mid	QPSK	2.70	3.00
	Mid	16QAM	2.70	3.01
	Mid	64QAM	2.71	2.99
	High	QPSK	2.69	2.99
	High	16QAM	2.70	3.00
	High	64QAM	2.71	2.99
5	Low	QPSK	4.51	5.00
	Low	16QAM	4.51	4.95
	Low	64QAM	4.49	4.94
	Mid	QPSK	4.50	4.98
	Mid	16QAM	4.50	4.97
	Mid	64QAM	4.49	4.95
	High	QPSK	4.50	4.98
	High	16QAM	4.50	4.98
	High	64QAM	4.48	4.96
10	Low	QPSK	8.97	9.79
	Low	16QAM	8.96	9.73
	Low	64QAM	8.97	9.79
	Mid	QPSK	8.96	9.79
	Mid	16QAM	8.95	9.78
	Mid	64QAM	8.95	9.77
	High	QPSK	8.97	9.82
	High	16QAM	8.95	9.79
	High	64QAM	8.97	9.80



LTE Band 17				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.49	4.98
	Low	16QAM	4.50	4.97
	Low	64QAM	4.49	4.94
	Mid	QPSK	4.50	4.97
	Mid	16QAM	4.50	4.97
	Mid	64QAM	4.50	4.93
	High	QPSK	4.49	5.01
	High	16QAM	4.50	4.95
	High	64QAM	4.50	4.94
10	Low	QPSK	8.97	9.78
	Low	16QAM	8.95	9.76
	Low	64QAM	8.95	9.78
	Mid	QPSK	8.96	9.79
	Mid	16QAM	8.95	9.76
	Mid	64QAM	8.96	9.81
	High	QPSK	8.99	9.76
	High	16QAM	8.95	9.72
	High	64QAM	8.97	9.83



LTE Band 18				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.49	4.97
	Low	16QAM	4.50	4.96
	Low	64QAM	4.49	4.99
	Mid	QPSK	4.49	4.98
	Mid	16QAM	4.49	4.95
	Mid	64QAM	4.49	4.92
	High	QPSK	4.49	4.93
	High	16QAM	4.49	4.99
	High	64QAM	4.49	4.95



LTE Band 19				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.49	4.98
	Low	16QAM	4.49	4.93
	Low	64QAM	4.49	4.92
	Mid	QPSK	4.50	5.01
	Mid	16QAM	4.50	4.94
	Mid	64QAM	4.50	4.96
	High	QPSK	4.49	4.99
	High	16QAM	4.50	4.99
	High	64QAM	4.50	4.95
10	Low	QPSK	9.01	9.82
	Low	16QAM	8.96	9.76
	Low	64QAM	8.98	9.83
	Mid	QPSK	8.99	9.80
	Mid	16QAM	8.96	9.74
	Mid	64QAM	8.97	9.79
	High	QPSK	8.97	9.81
	High	16QAM	8.95	9.77
	High	64QAM	8.97	9.75
15	Low	QPSK	13.45	14.64
	Low	16QAM	13.47	14.63
	Low	64QAM	13.46	14.66
	Mid	QPSK	13.45	14.65
	Mid	16QAM	13.44	14.66
	Mid	64QAM	13.45	14.64
	High	QPSK	13.45	14.65
	High	16QAM	13.45	14.67
	High	64QAM	13.46	14.66



LTE Band 26				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.24
	Low	16QAM	1.09	1.23
	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	1.22
	High	64QAM	1.09	1.23
3	Low	QPSK	2.69	2.98
	Low	16QAM	2.69	2.99
	Low	64QAM	2.70	3.01
	Mid	QPSK	2.69	3.00
	Mid	16QAM	2.69	2.97
	Mid	64QAM	2.70	2.98
	High	QPSK	2.70	2.99
	High	16QAM	2.70	2.97
	High	64QAM	2.69	2.98
5	Low	QPSK	4.49	4.94
	Low	16QAM	4.48	4.93
	Low	64QAM	4.49	4.92
	Mid	QPSK	4.49	4.99
	Mid	16QAM	4.49	4.98
	Mid	64QAM	4.49	4.95
	High	QPSK	4.49	4.95
	High	16QAM	4.49	4.90
	High	64QAM	4.48	4.95
10	Low	QPSK	8.95	9.79
	Low	16QAM	8.98	9.76
	Low	64QAM	8.98	9.73
	Mid	QPSK	8.97	9.79
	Mid	16QAM	8.98	9.81
	Mid	64QAM	8.99	9.80
	High	QPSK	8.97	9.76
	High	16QAM	8.97	9.71
	High	64QAM	8.96	9.78



15	Low	QPSK	13.46	14.67
	Low	16QAM	13.50	14.61
	Low	64QAM	13.49	14.61
	Mid	QPSK	13.50	14.65
	Mid	16QAM	13.49	14.62
	Mid	64QAM	13.49	14.68
	High	QPSK	13.44	14.57
	High	16QAM	13.49	14.60
	High	64QAM	13.48	14.61



LTE Band 38				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.50	4.94
	Low	16QAM	4.50	4.96
	Low	64QAM	4.49	4.95
	Mid	QPSK	4.50	4.97
	Mid	16QAM	4.50	4.93
	Mid	64QAM	4.50	4.93
	High	QPSK	4.51	5.00
	High	16QAM	4.50	4.94
	High	64QAM	4.50	4.96
10	Low	QPSK	9.00	9.79
	Low	16QAM	8.96	9.72
	Low	64QAM	8.97	9.71
	Mid	QPSK	8.97	9.79
	Mid	16QAM	8.97	9.77
	Mid	64QAM	8.98	9.76
	High	QPSK	8.96	9.72
	High	16QAM	8.95	9.73
	High	64QAM	8.98	9.73
15	Low	QPSK	13.48	14.63
	Low	16QAM	13.47	14.76
	Low	64QAM	13.48	14.65
	Mid	QPSK	13.46	14.62
	Mid	16QAM	13.46	14.54
	Mid	64QAM	13.44	14.74
	High	QPSK	13.46	14.6
	High	16QAM	13.47	14.61
	High	64QAM	13.46	14.60
20	Low	QPSK	17.96	19.43
	Low	16QAM	17.89	19.48
	Low	64QAM	17.92	19.47
	Mid	QPSK	17.91	19.47
	Mid	16QAM	17.91	19.40
	Mid	64QAM	17.93	19.50
	High	QPSK	17.88	19.45
	High	16QAM	17.90	19.48
	High	64QAM	17.93	19.33

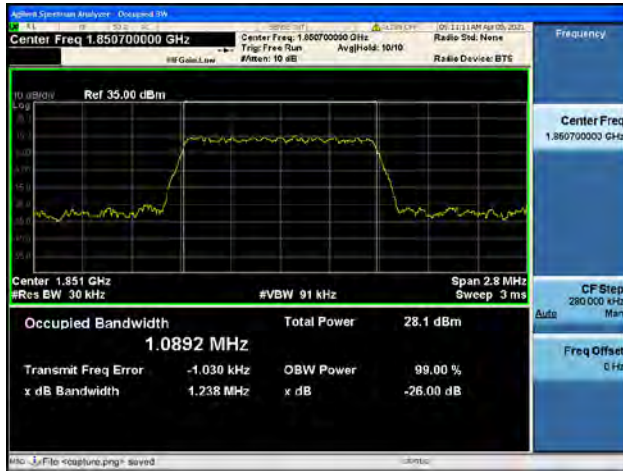


LTE Band 40, Block A				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.49	4.97
	Low	16QAM	4.49	4.95
	Low	64QAM	4.50	4.96
	Mid	QPSK	4.49	4.97
	Mid	16QAM	4.50	4.97
	Mid	64QAM	4.49	4.97
	High	QPSK	4.50	4.95
	High	16QAM	4.49	4.92
	High	64QAM	4.49	4.96
10	Mid	QPSK	8.95	9.65
	Mid	16QAM	8.97	9.69
	Mid	64QAM	8.97	9.70

LTE Band 40, Block B				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.49	4.93
	Low	16QAM	4.49	4.98
	Low	64QAM	4.49	4.96
	Mid	QPSK	4.49	4.95
	Mid	16QAM	4.49	4.91
	Mid	64QAM	4.49	4.98
	High	QPSK	4.49	4.96
	High	16QAM	4.49	4.93
	High	64QAM	4.49	4.96
10	Mid	QPSK	8.95	9.68
	Mid	16QAM	8.96	9.69
	Mid	64QAM	8.97	9.72



Band2 / 1.4MHz / Low CH / QPSK



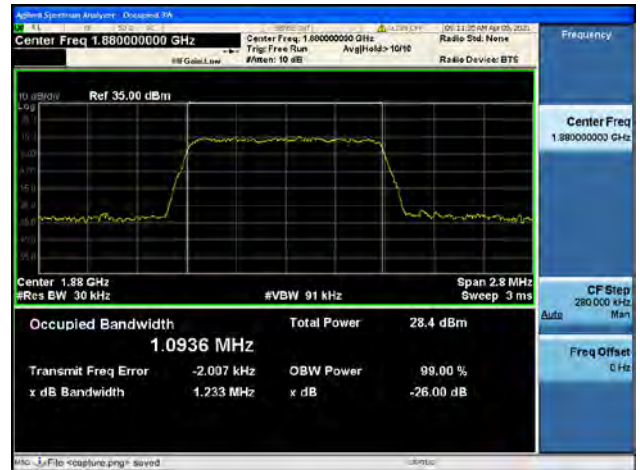
Band2 / 1.4MHz / Low CH / 16QAM



Band2 / 1.4MHz / Low CH / 64QAM



Band2 / 1.4MHz / Mid CH / QPSK



Band2 / 1.4MHz / Mid CH / 16QAM

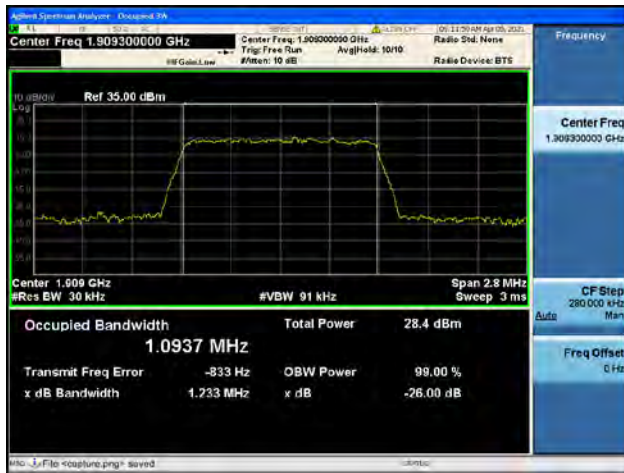


Band2 / 1.4MHz / Mid CH / 64QAM

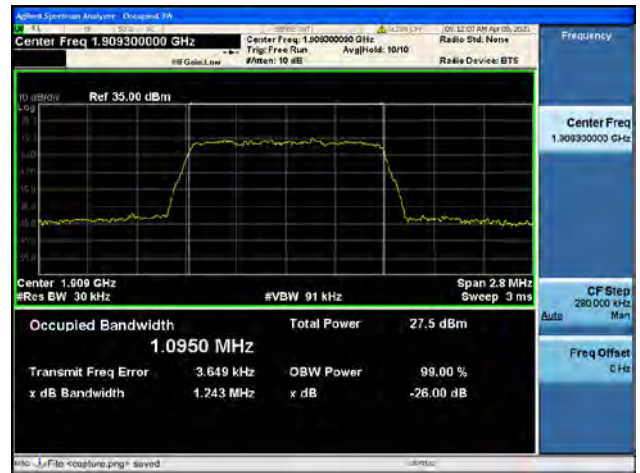




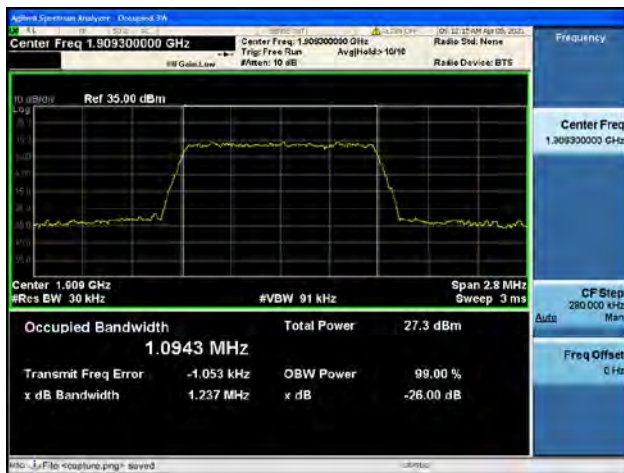
Band2 / 1.4MHz / High CH / QPSK



Band2 / 1.4MHz / High CH / 16QAM



Band2 / 1.4MHz / High CH / 64QAM



Band2 / 3MHz / Low CH / QPSK

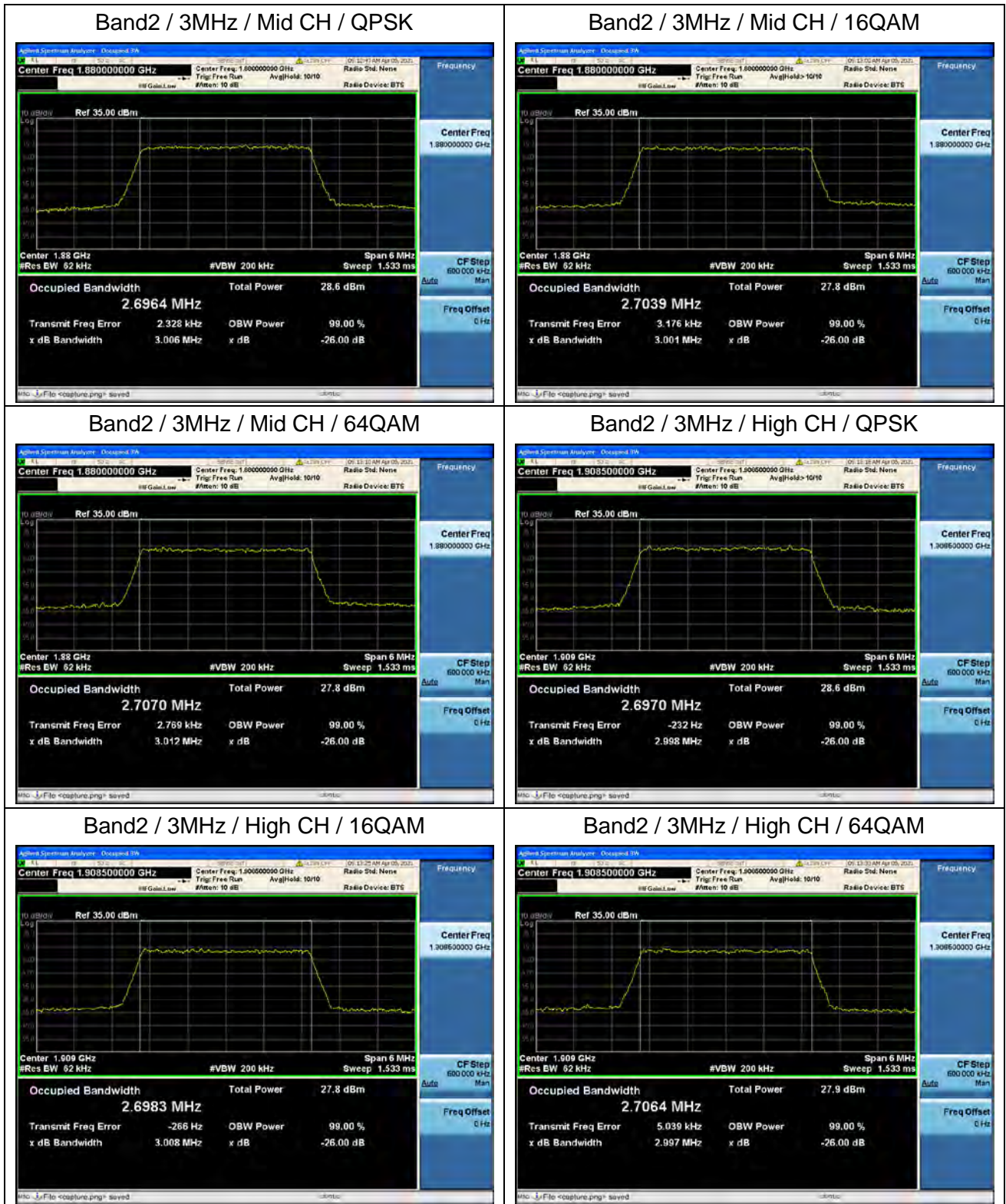


Band2 / 3MHz / Low CH / 16QAM



Band2 / 3MHz / Low CH / 64QAM



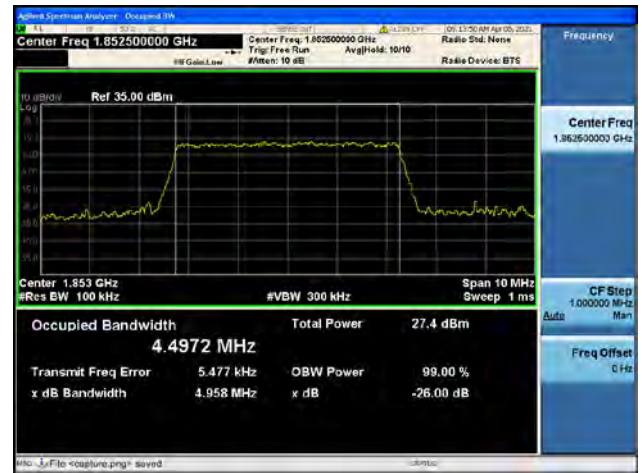




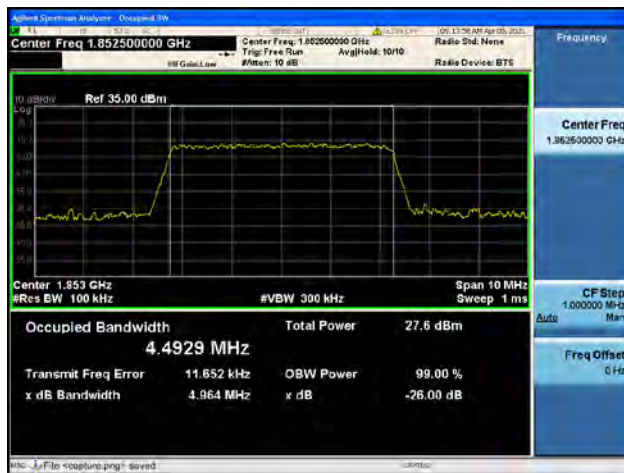
Band2 / 5MHz / Low CH / QPSK



Band2 / 5MHz / Low CH / 16QAM



Band2 / 5MHz / Low CH / 64QAM



Band2 / 5MHz / Mid CH / QPSK



Band2 / 5MHz / Mid CH / 16QAM

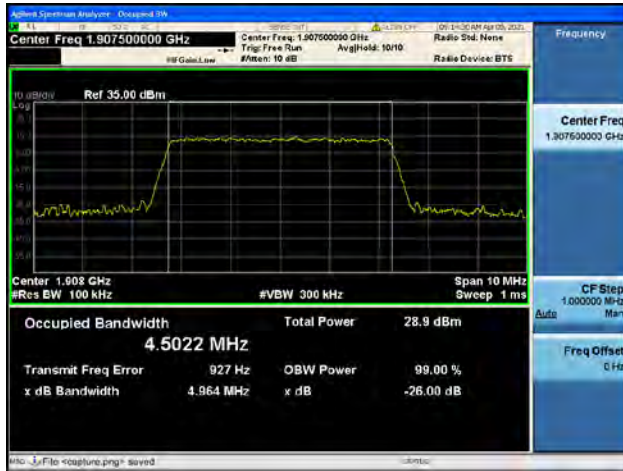


Band2 / 5MHz / Mid CH / 64QAM

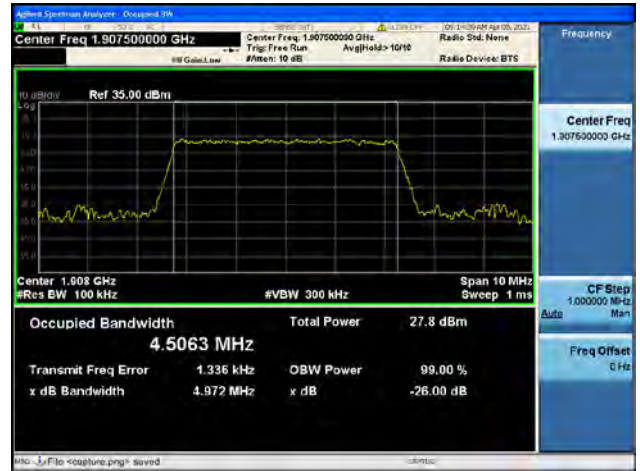




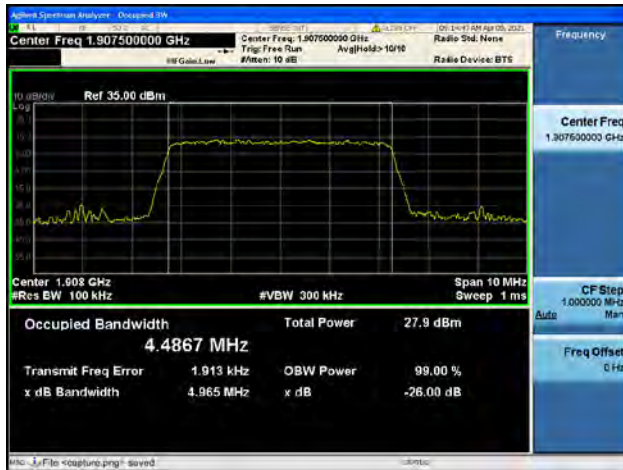
Band2 / 5MHz / High CH / QPSK



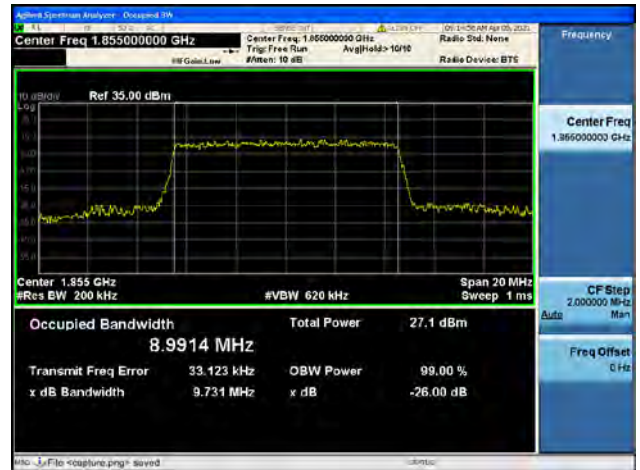
Band2 / 5MHz / High CH / 16QAM



Band2 / 5MHz / High CH / 64QAM



Band2 / 10MHz / Low CH / QPSK



Band2 / 10MHz / Low CH / 16QAM

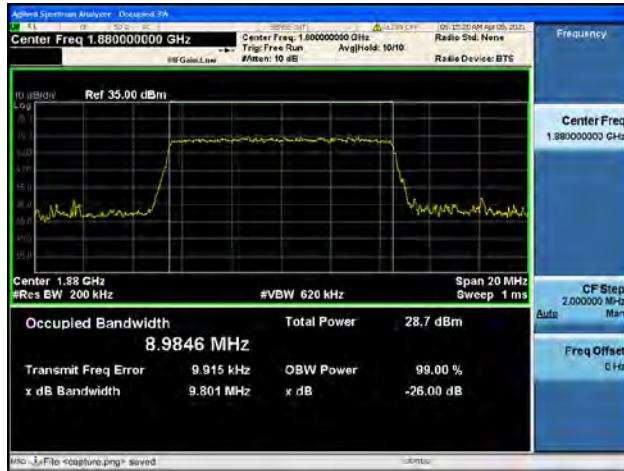


Band2 / 10MHz / Low CH / 64QAM

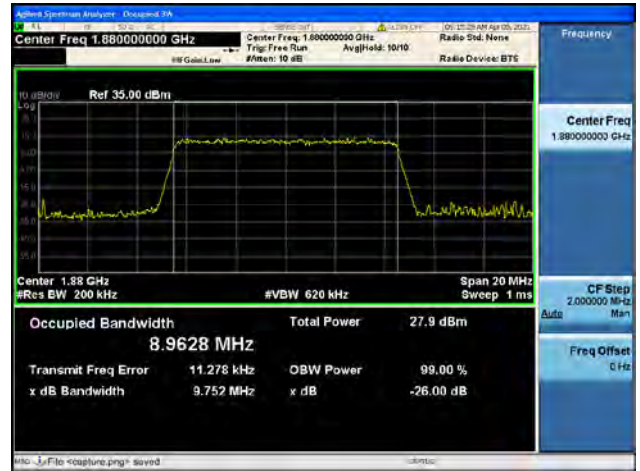




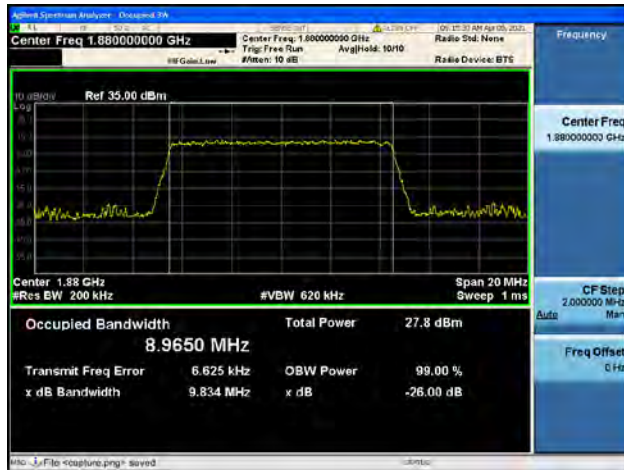
Band2 / 10MHz / Mid CH / QPSK



Band2 / 10MHz / Mid CH / 16QAM



Band2 / 10MHz / Mid CH / 64QAM



Band2 / 10MHz / High CH / QPSK



Band2 / 10MHz / High CH / 16QAM

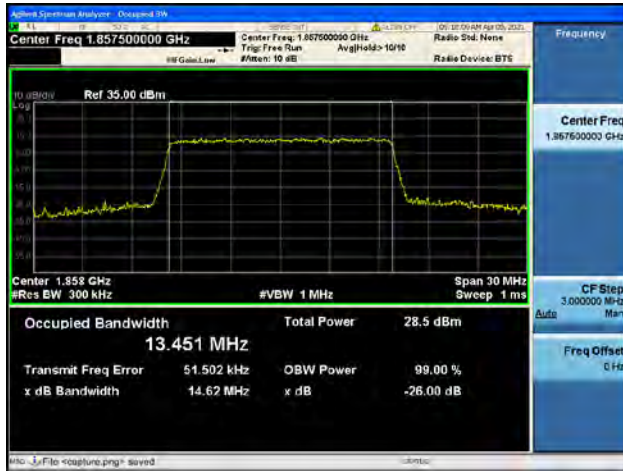


Band2 / 10MHz / High CH / 64QAM

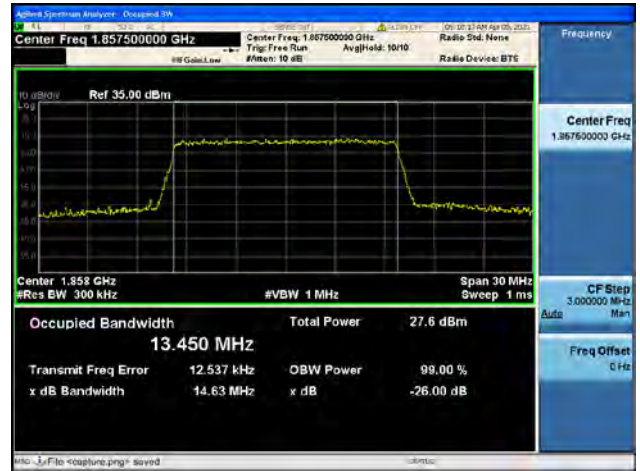




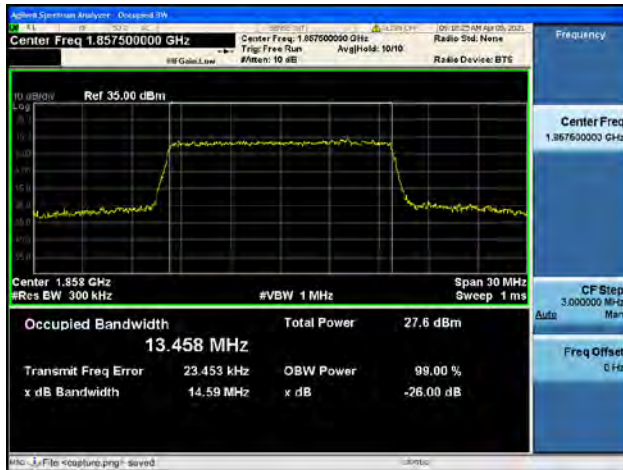
Band2 / 15MHz / Low CH / QPSK



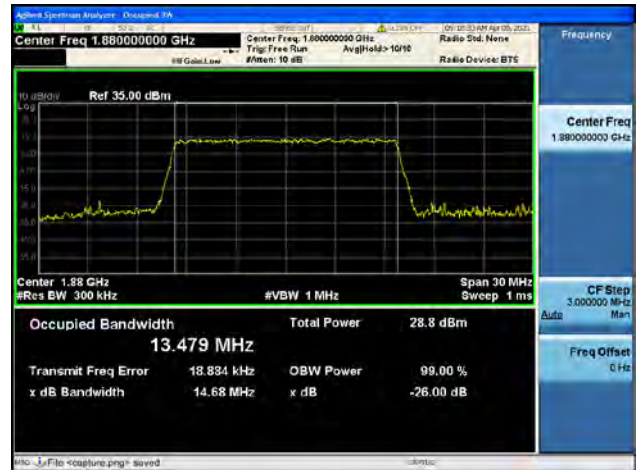
Band2 / 15MHz / Low CH / 16QAM



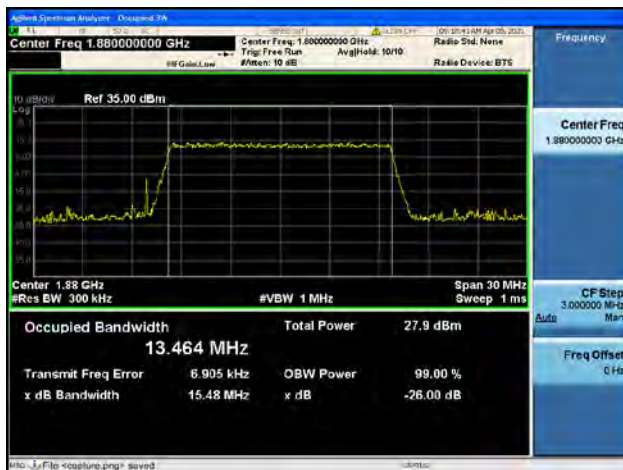
Band2 / 15MHz / Low CH / 64QAM



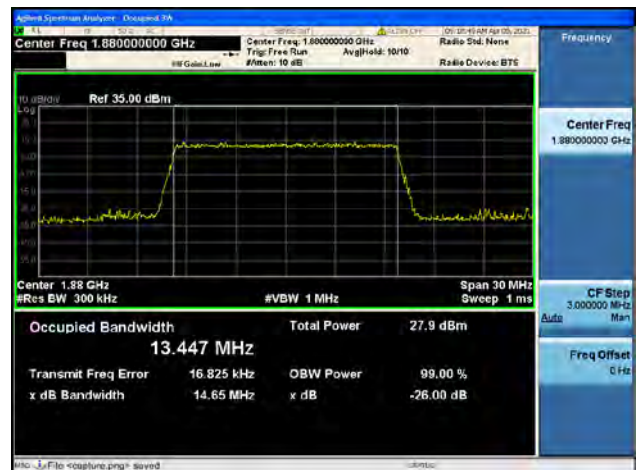
Band2 / 15MHz / Mid CH / QPSK



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

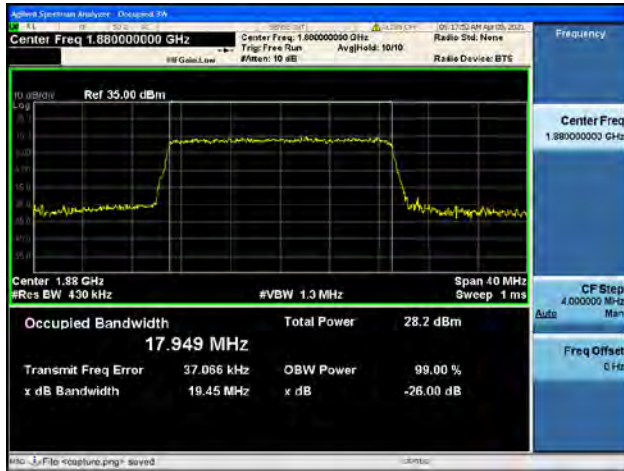


Band2 / 20MHz / Low CH / 64QAM

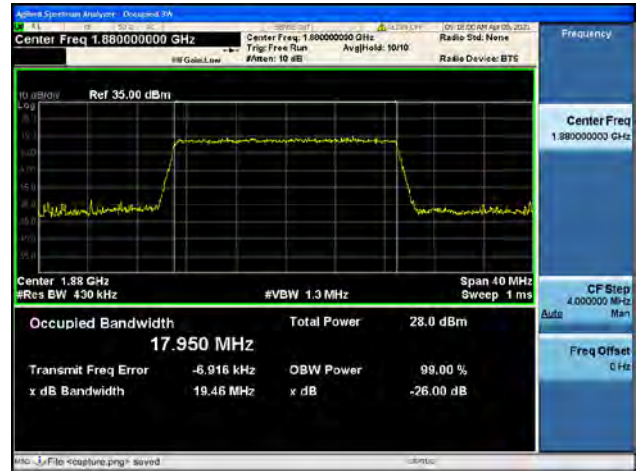




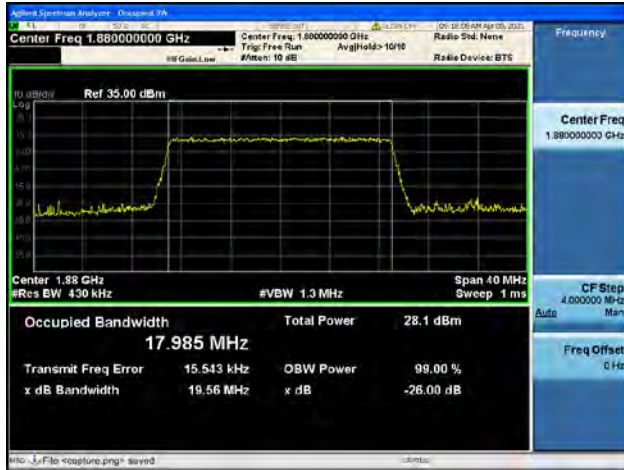
Band2 / 20MHz / Mid CH / QPSK



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



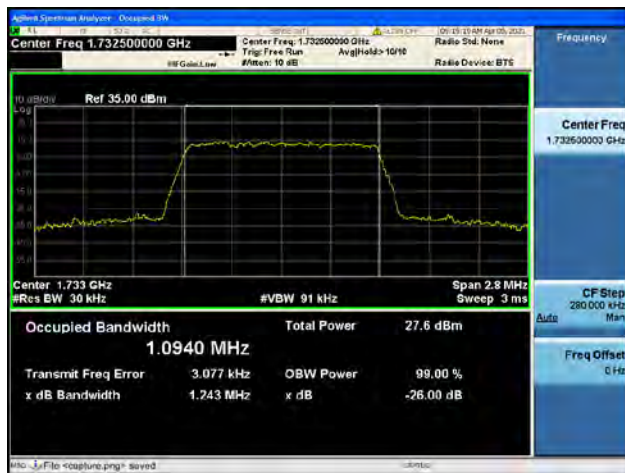
Band4 / 1.4MHz / Low CH / 64QAM



Band4 / 1.4MHz / Mid CH / QPSK

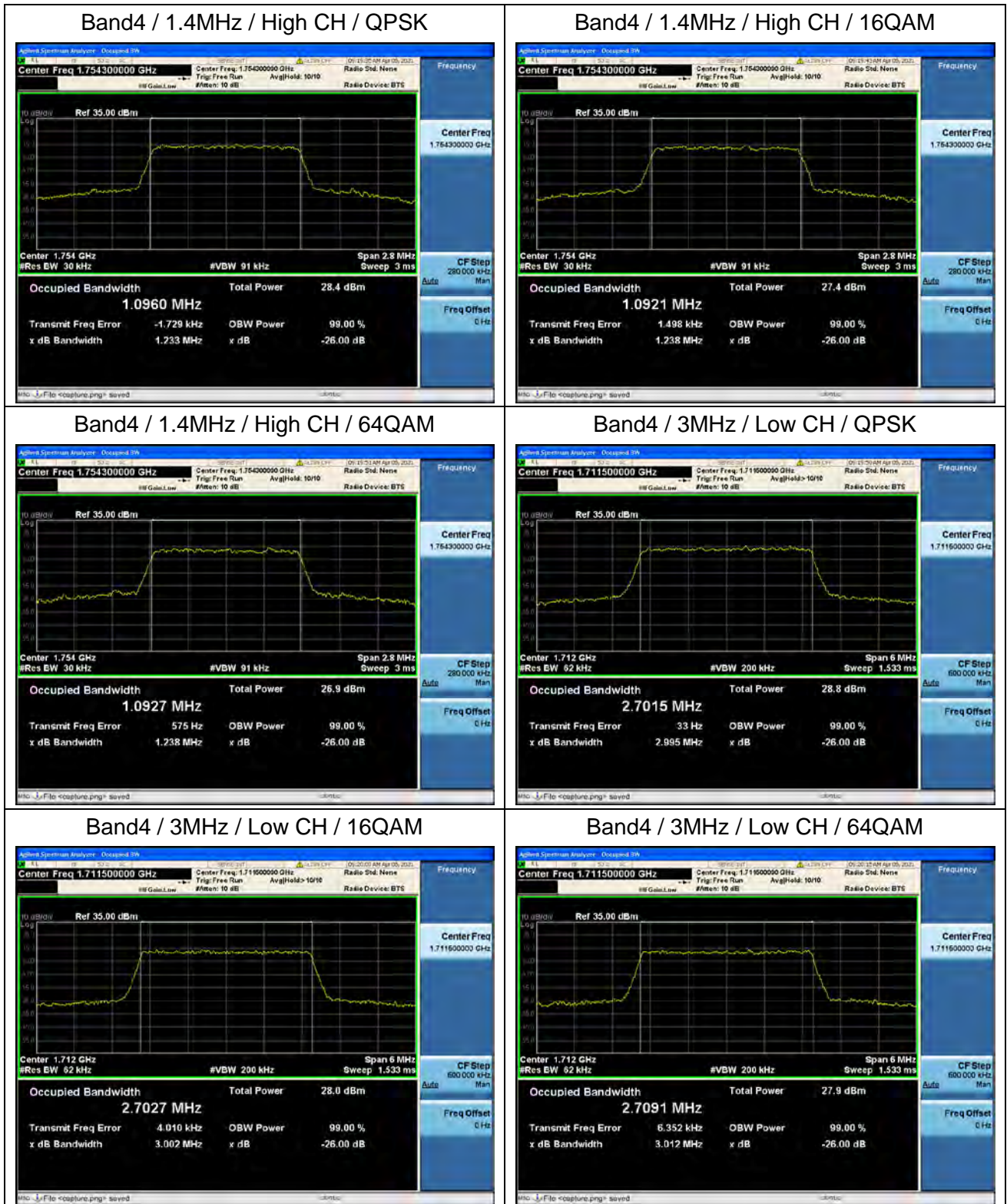


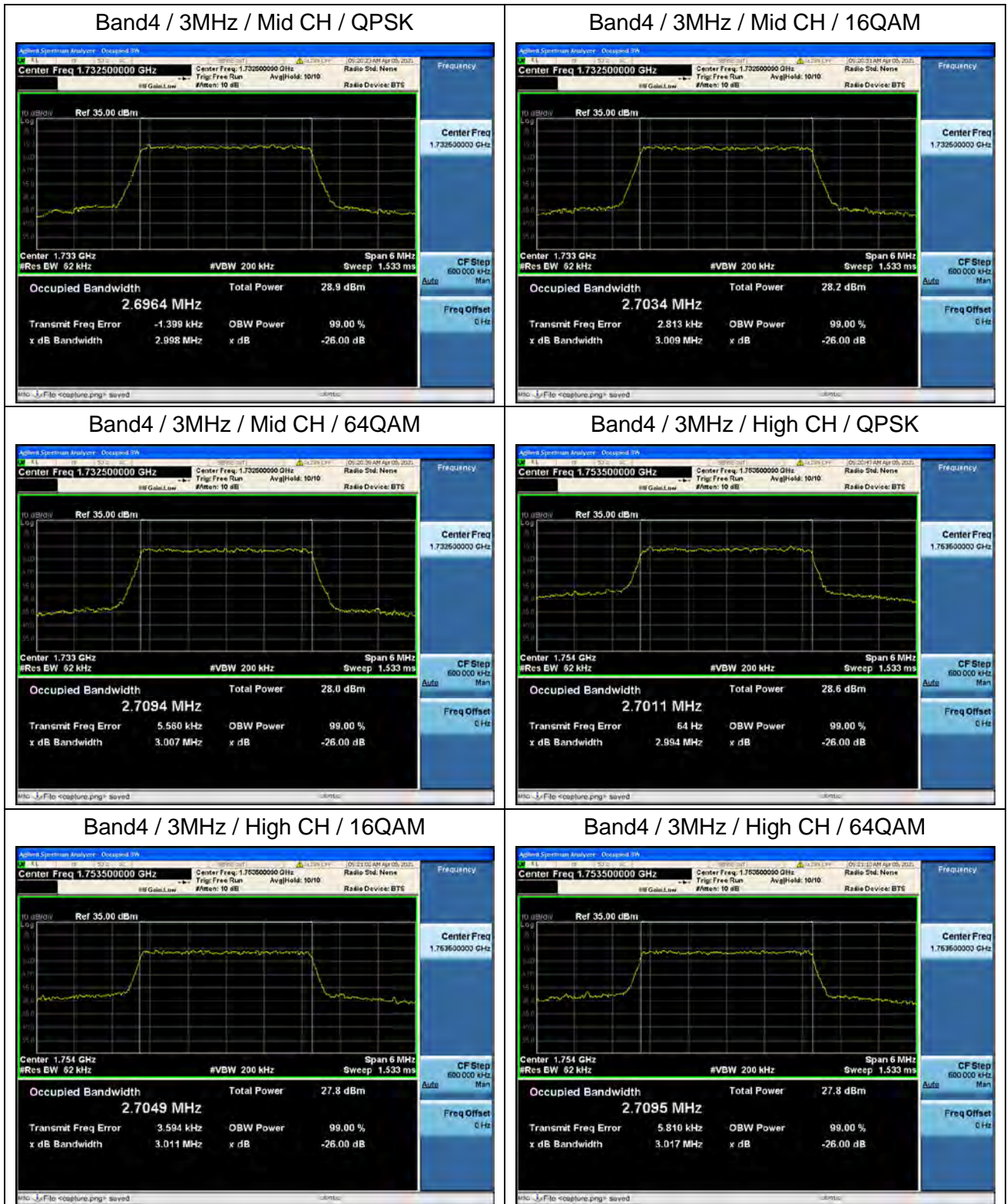
Band4 / 1.4MHz / Mid CH / 16QAM



Band4 / 1.4MHz / Mid CH / 64QAM

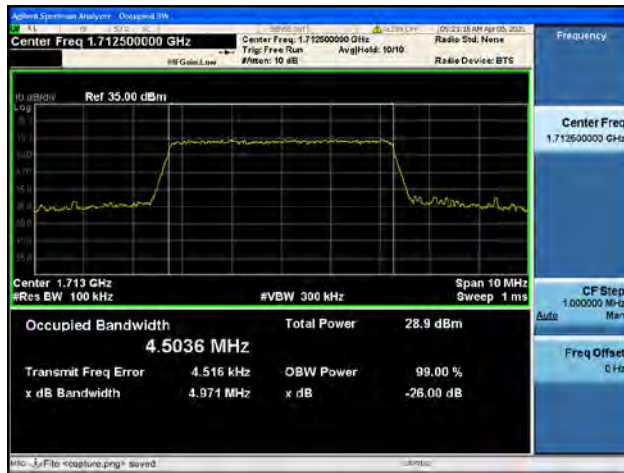








Band4 / 5MHz / Low CH / QPSK



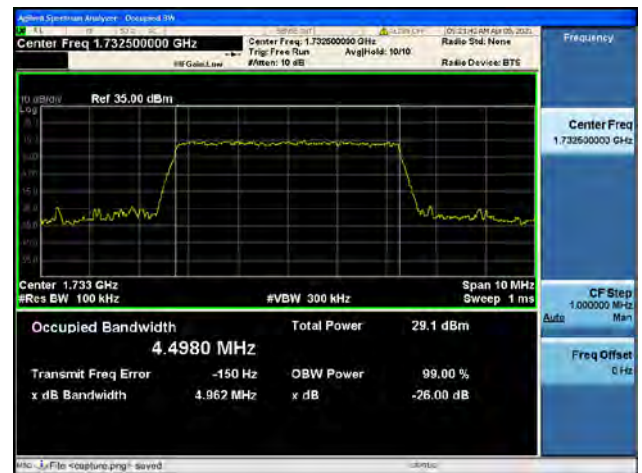
Band4 / 5MHz / Low CH / 16QAM



Band4 / 5MHz / Low CH / 64QAM



Band4 / 5MHz / Mid CH / QPSK



Band4 / 5MHz / Mid CH / 16QAM



Band4 / 5MHz / Mid CH / 64QAM





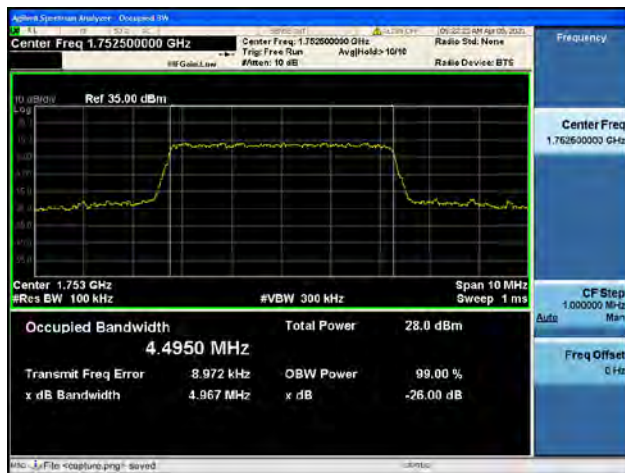
Band4 / 5MHz / High CH / QPSK



Band4 / 5MHz / High CH / 16QAM



Band4 / 5MHz / High CH / 64QAM



Band4 / 10MHz / Low CH / QPSK



Band4 / 10MHz / Low CH / 16QAM

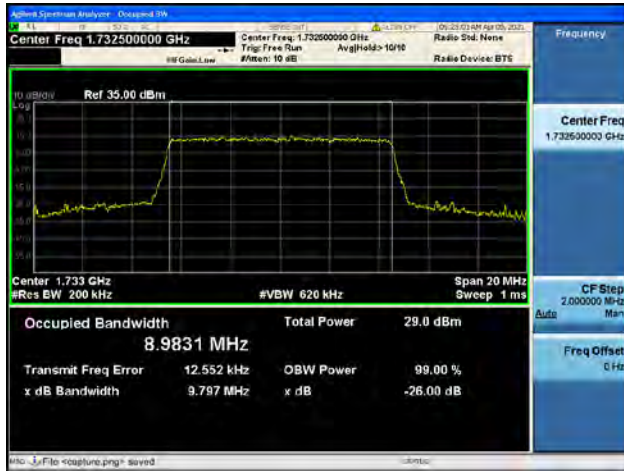


Band4 / 10MHz / Low CH / 64QAM

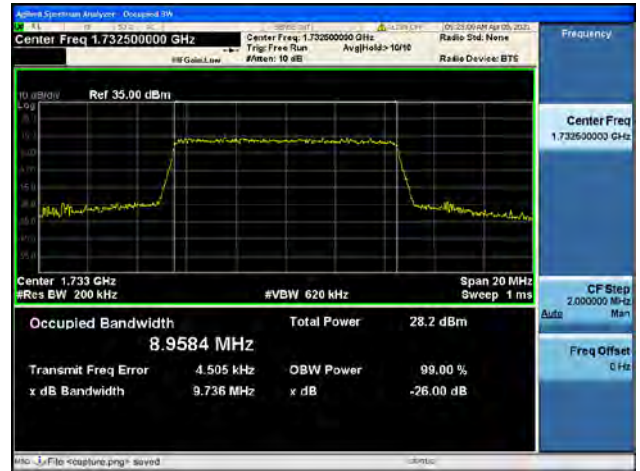




Band4 / 10MHz / Mid CH / QPSK



Band4 / 10MHz / Mid CH / 16QAM



Band4 / 10MHz / Mid CH / 64QAM



Band4 / 10MHz / High CH / QPSK



Band4 / 10MHz / High CH / 16QAM

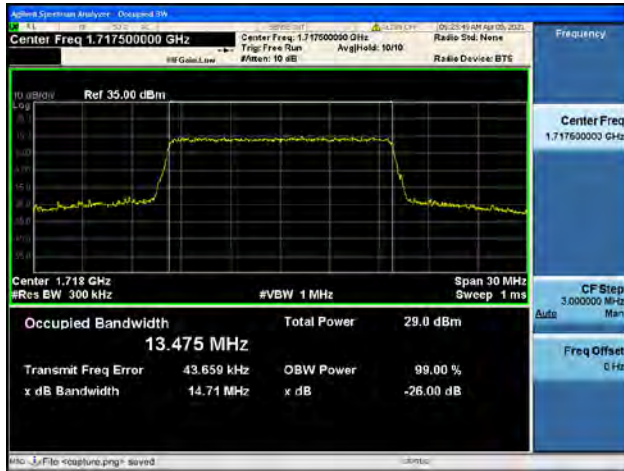


Band4 / 10MHz / High CH / 64QAM





Band4 / 15MHz / Low CH / QPSK



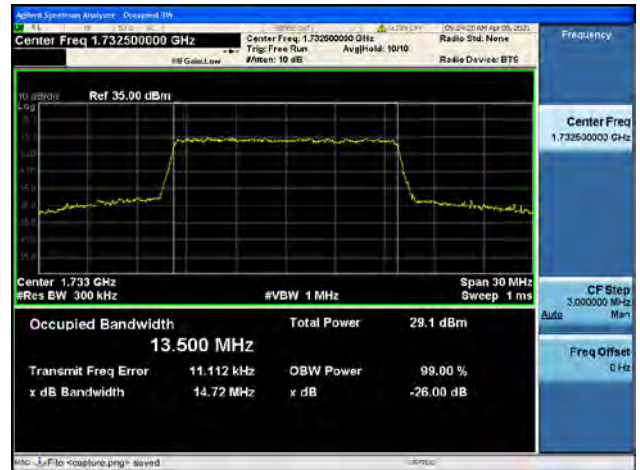
Band4 / 15MHz / Low CH / 16QAM



Band4 / 15MHz / Low CH / 64QAM



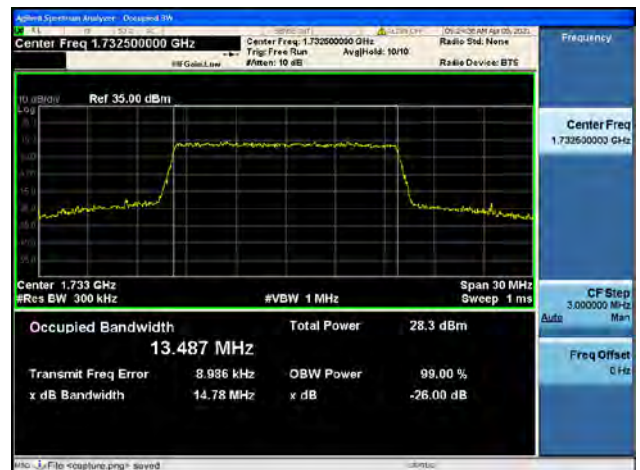
Band4 / 15MHz / Mid CH / QPSK



Band4 / 15MHz / Mid CH / 16QAM

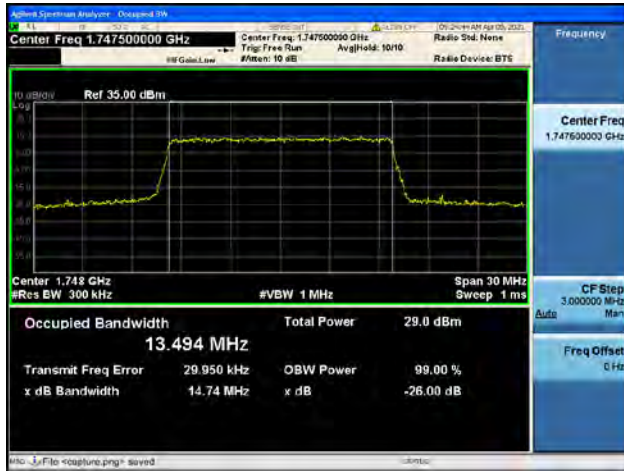


Band4 / 15MHz / Mid CH / 64QAM

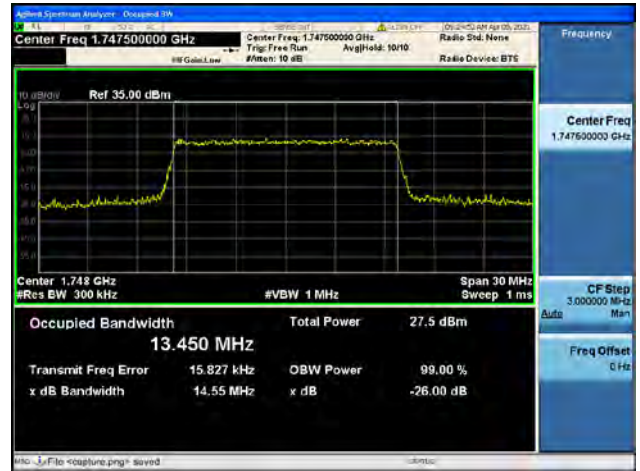




Band4 / 15MHz / High CH / QPSK



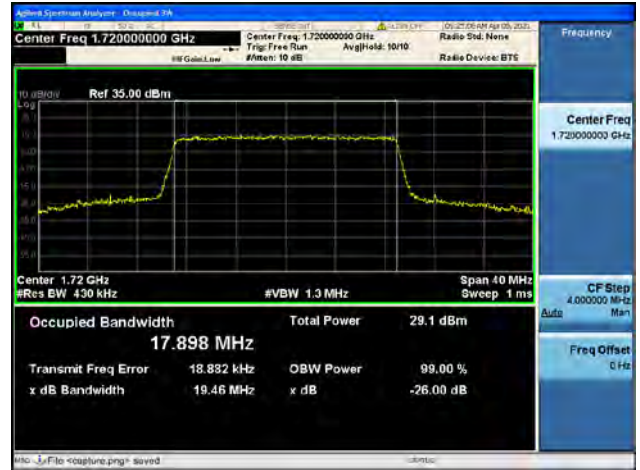
Band4 / 15MHz / High CH / 16QAM



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

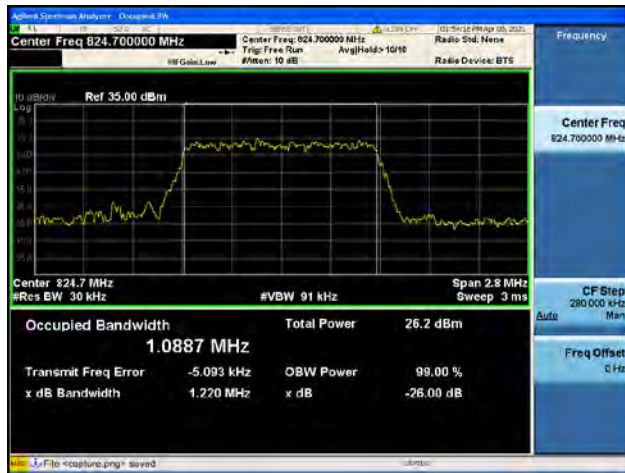


Band4 / 20MHz / High CH / 64QAM





Band5 / 1.4MHz / Low CH / QPSK



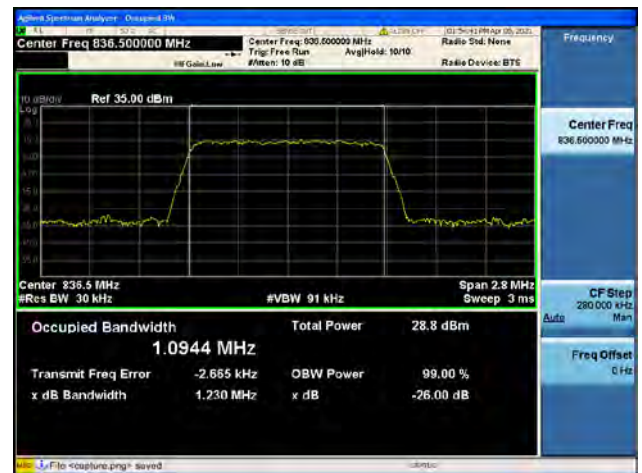
Band5 / 1.4MHz / Low CH / 16QAM



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



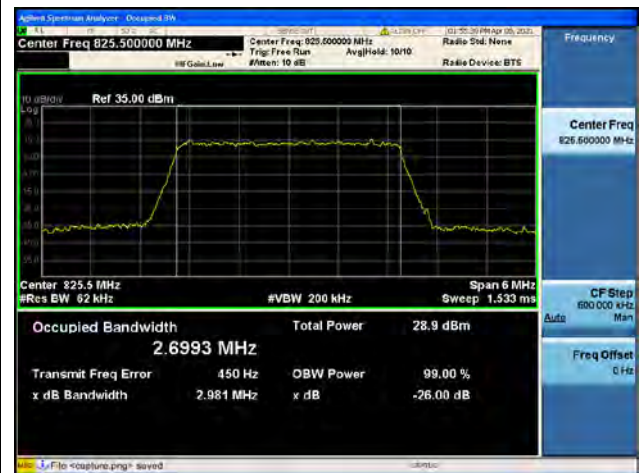
Band5 / 1.4MHz / High CH / 16QAM



Band5 / 1.4MHz / High CH / 64QAM



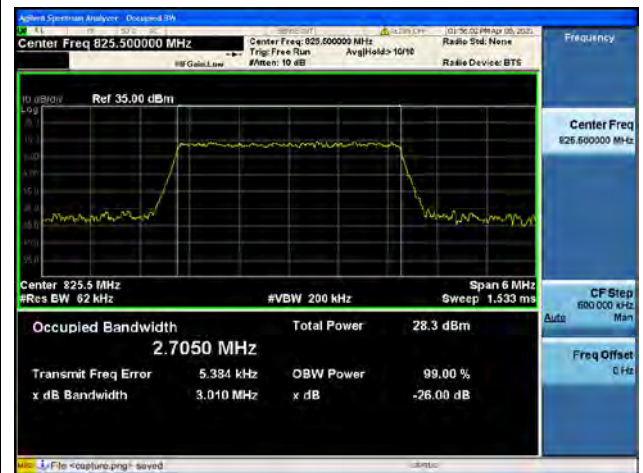
Band5 / 3MHz / Low CH / QPSK



Band5 / 3MHz / Low CH / 16QAM

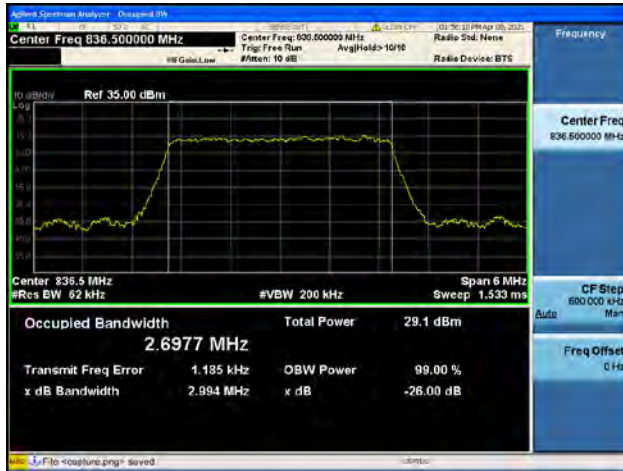


Band5 / 3MHz / Low CH / 64QAM

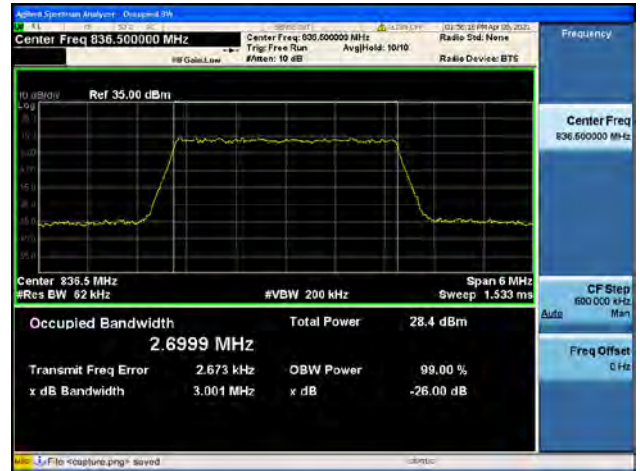




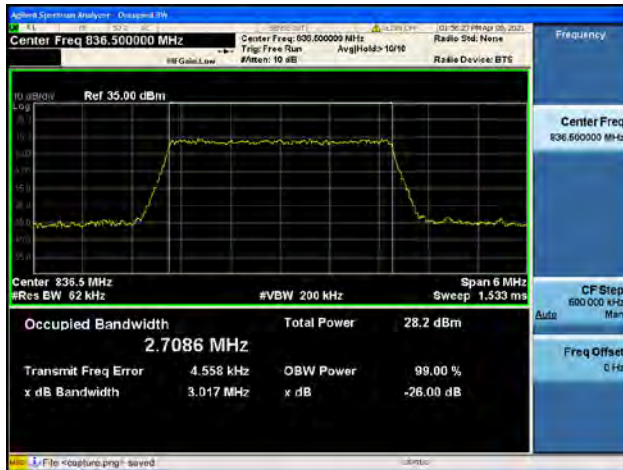
Band5 / 3MHz / Mid CH / QPSK



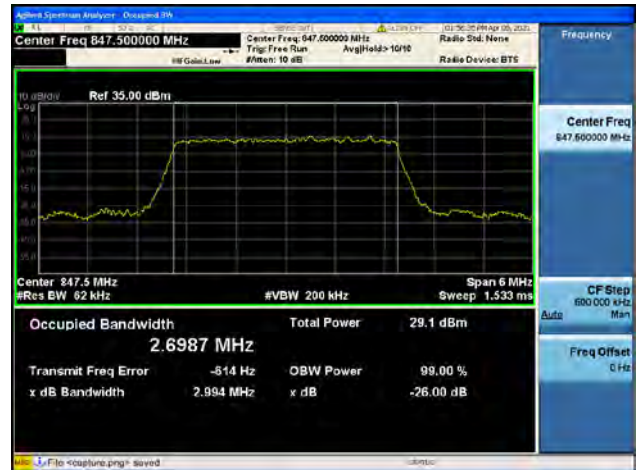
Band5 / 3MHz / Mid CH / 16QAM



Band5 / 3MHz / Mid CH / 64QAM



Band5 / 3MHz / High CH / QPSK



Band5 / 3MHz / High CH / 16QAM

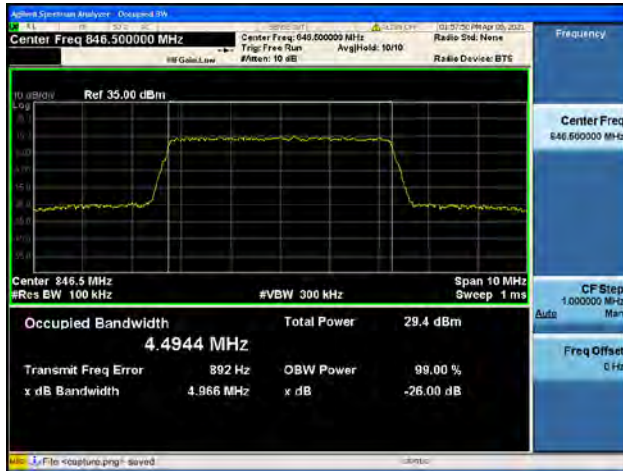


Band5 / 3MHz / High CH / 64QAM

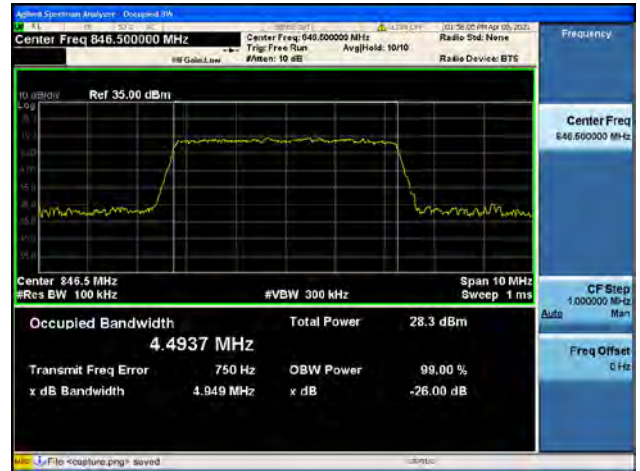




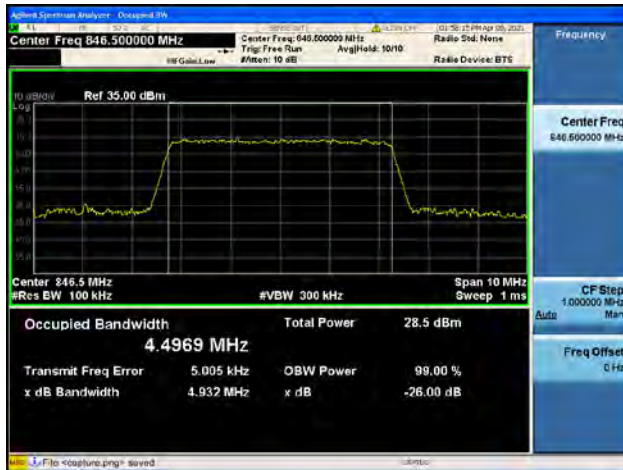
Band5 / 5MHz / High CH / QPSK



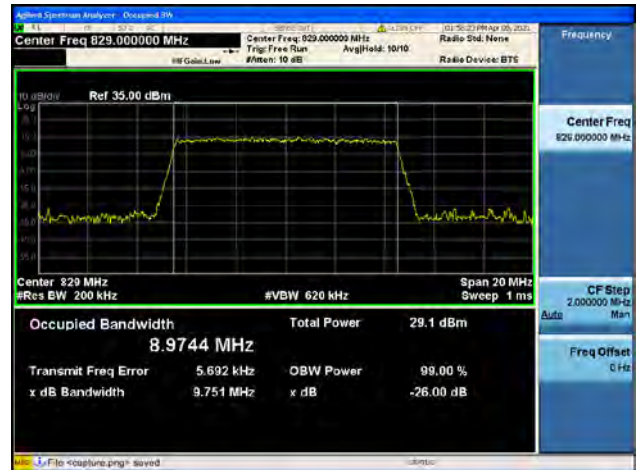
Band5 / 5MHz / High CH / 16QAM



Band5 / 5MHz / High CH / 64QAM



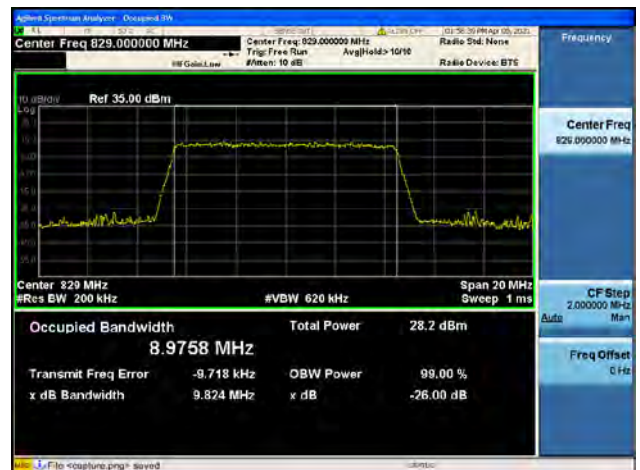
Band5 / 10MHz / Low CH / QPSK



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

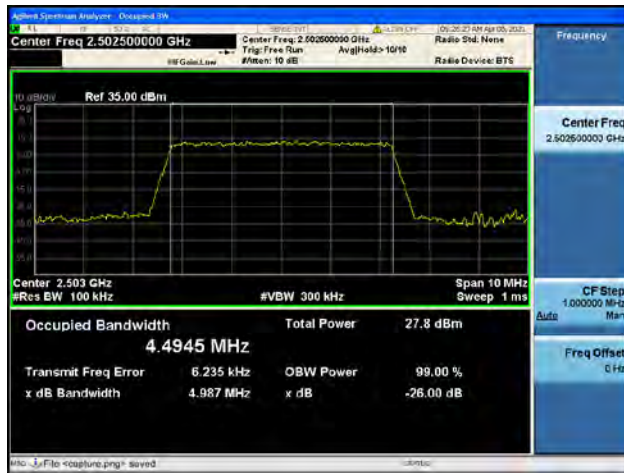


Band5 / 10MHz / High CH / 64QAM

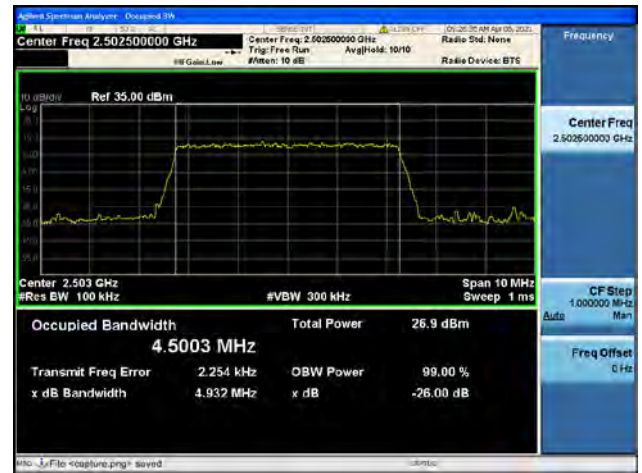




Band7 / 5MHz / Low CH / QPSK



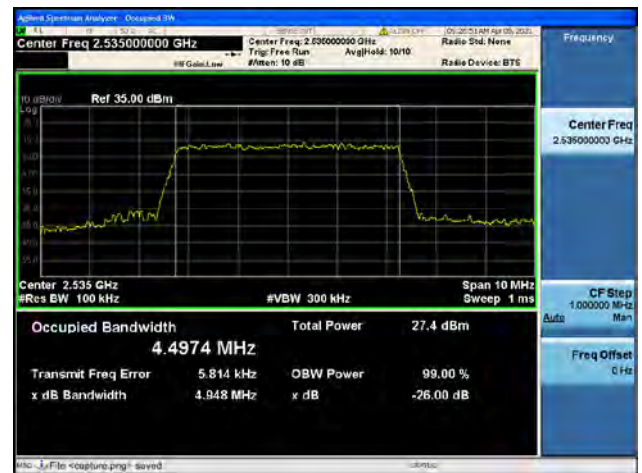
Band7 / 5MHz / Low CH / 16QAM



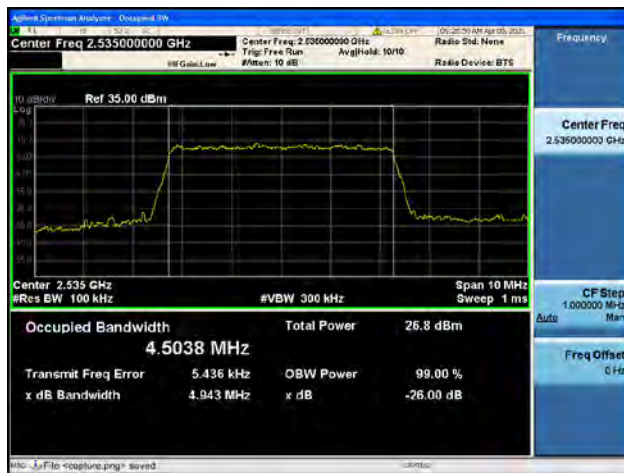
Band7 / 5MHz / Low CH / 64QAM



Band7 / 5MHz / Mid CH / QPSK



Band7 / 5MHz / Mid CH / 16QAM

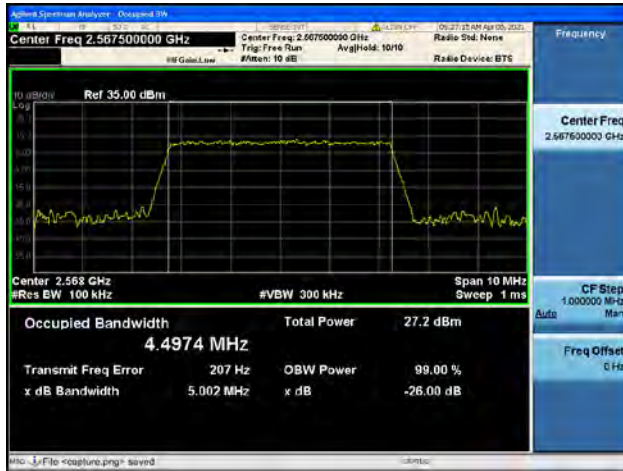


Band7 / 5MHz / Mid CH / 64QAM

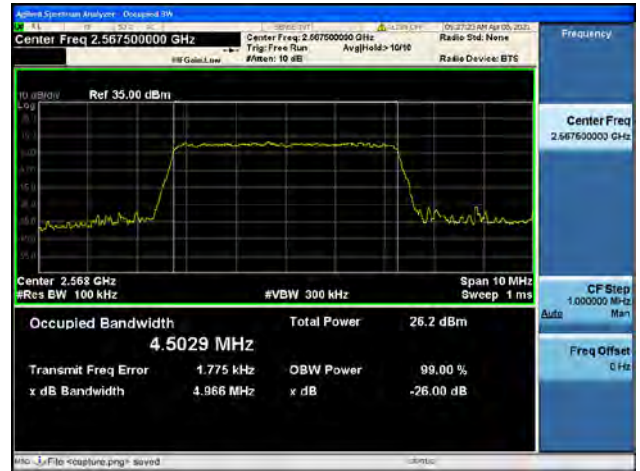




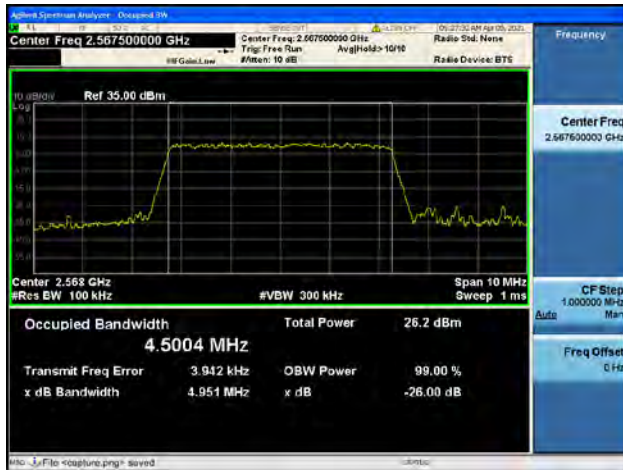
Band7 / 5MHz / High CH / QPSK



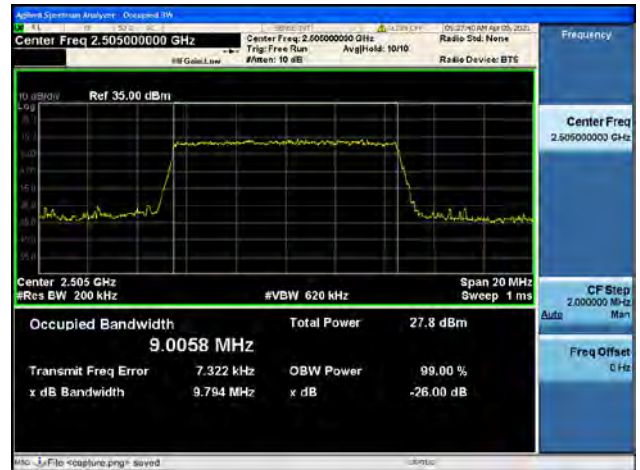
Band7 / 5MHz / High CH / 16QAM



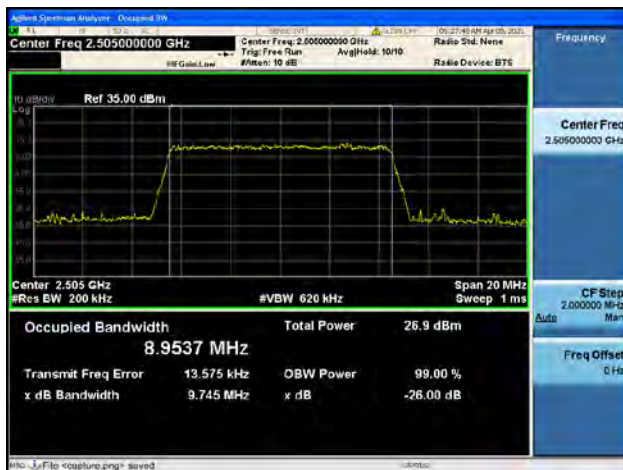
Band7 / 5MHz / High CH / 64QAM



Band7 / 10MHz / Low CH / QPSK



Band7 / 10MHz / Low CH / 16QAM



Band7 / 10MHz / Low CH / 64QAM

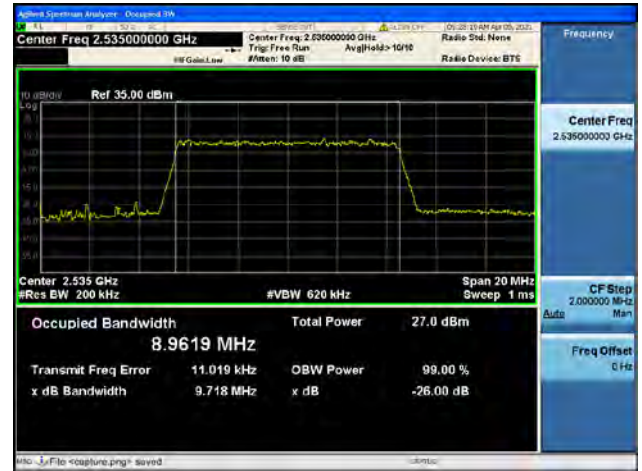




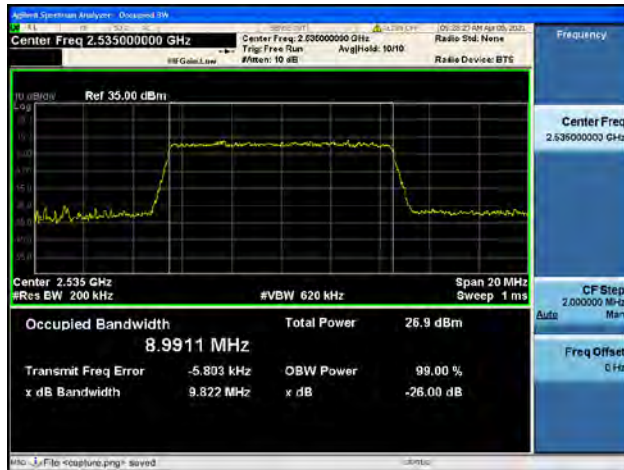
Band7 / 10MHz / Mid CH / QPSK



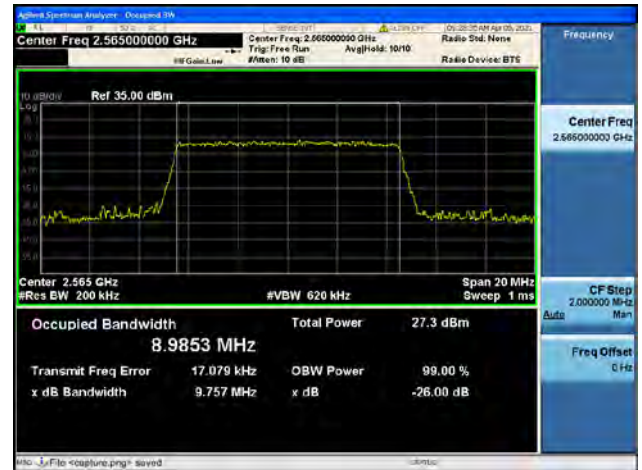
Band7 / 10MHz / Mid CH / 16QAM



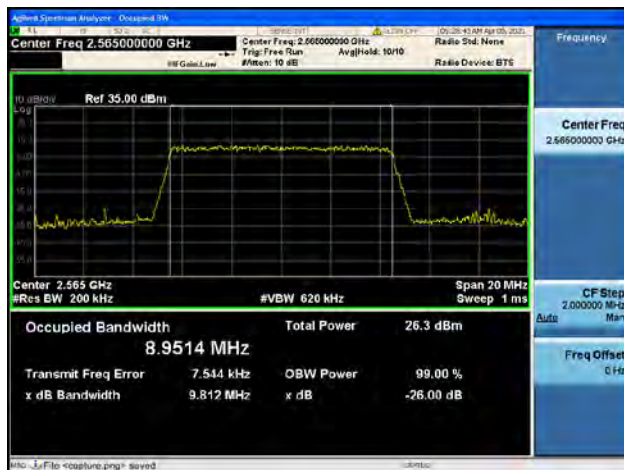
Band7 / 10MHz / Mid CH / 64QAM



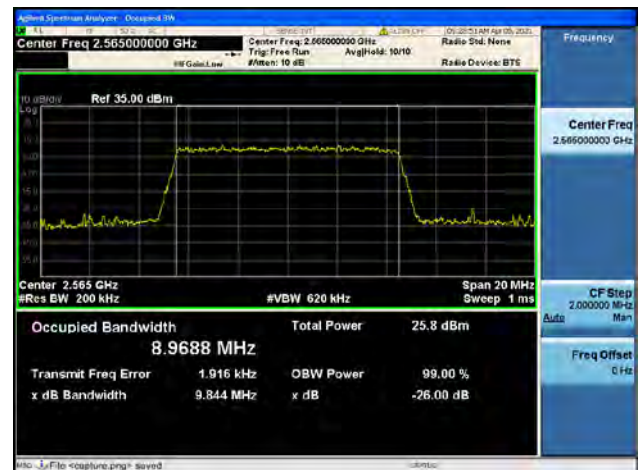
Band7 / 10MHz / High CH / QPSK



Band7 / 10MHz / High CH / 16QAM

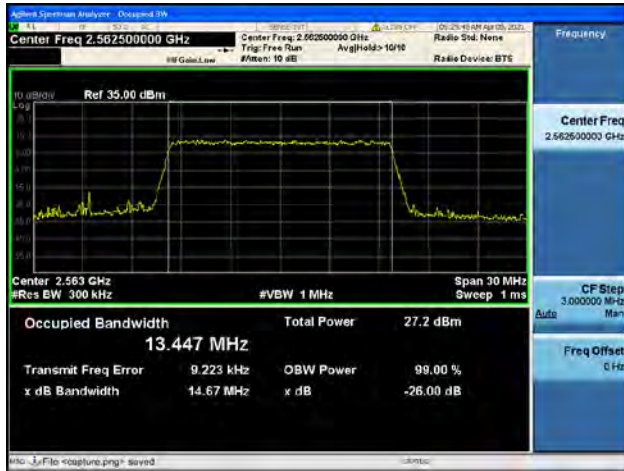


Band7 / 10MHz / High CH / 64QAM

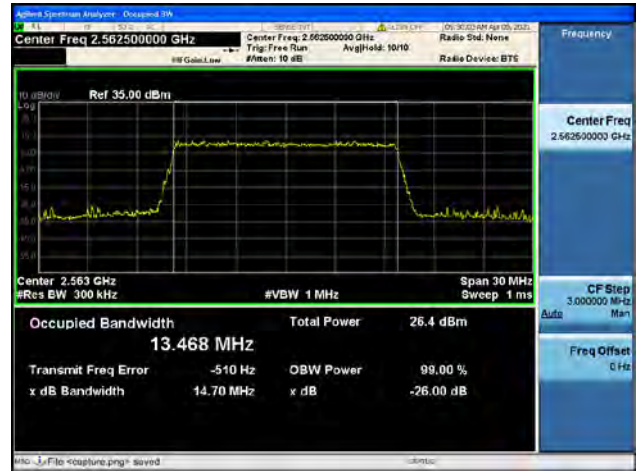




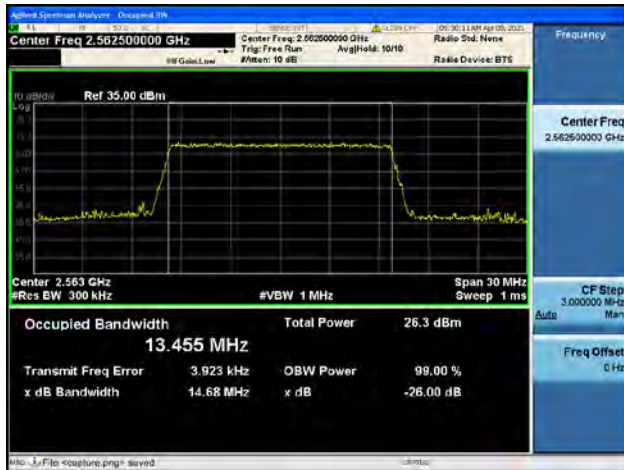
Band7 / 15MHz / High CH / QPSK



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

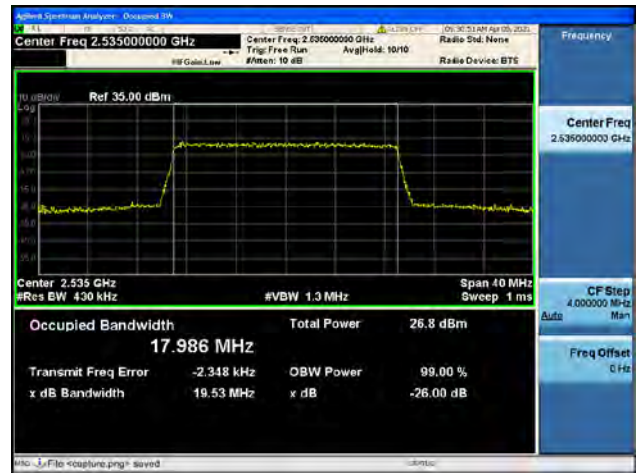




Band7 / 20MHz / Mid CH / QPSK



Band7 / 20MHz / Mid CH / 16QAM



Band7 / 20MHz / Mid CH / 64QAM



Band7 / 20MHz / High CH / QPSK



Band7 / 20MHz / High CH / 16QAM

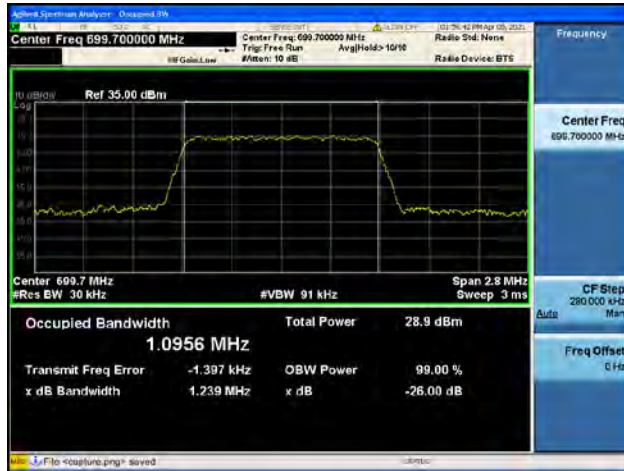


Band7 / 20MHz / High CH / 64QAM

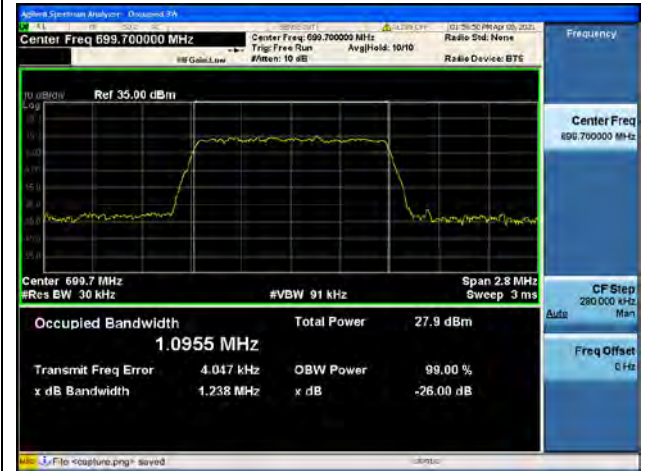




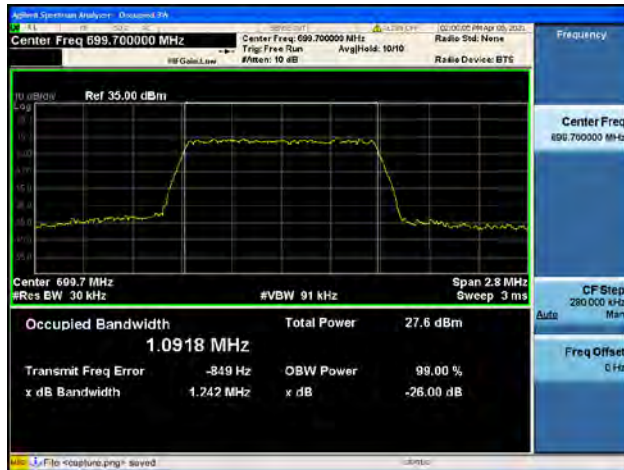
Band12 / 1.4MHz / Low CH / QPSK



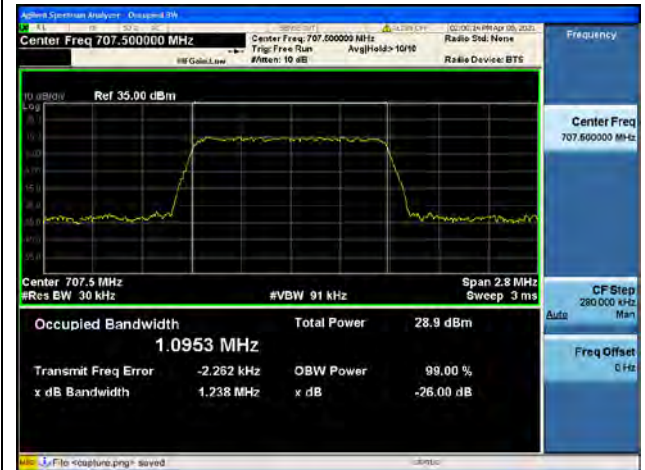
Band12 / 1.4MHz / Low CH / 16QAM



Band12 / 1.4MHz / Low CH / 64QAM



Band12 / 1.4MHz / Mid CH / QPSK



Band12 / 1.4MHz / Mid CH / 16QAM

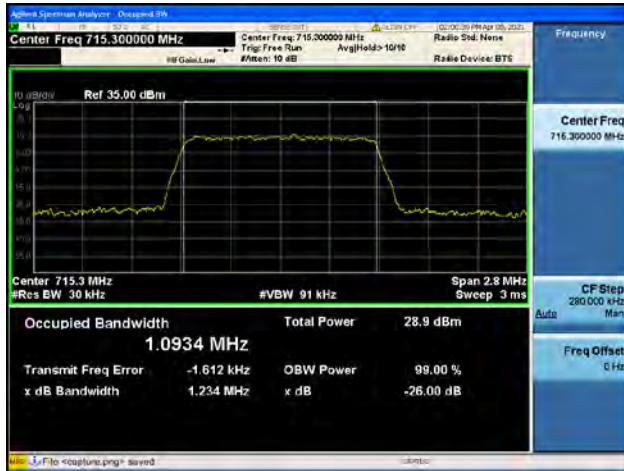


Band12 / 1.4MHz / Mid CH / 64QAM

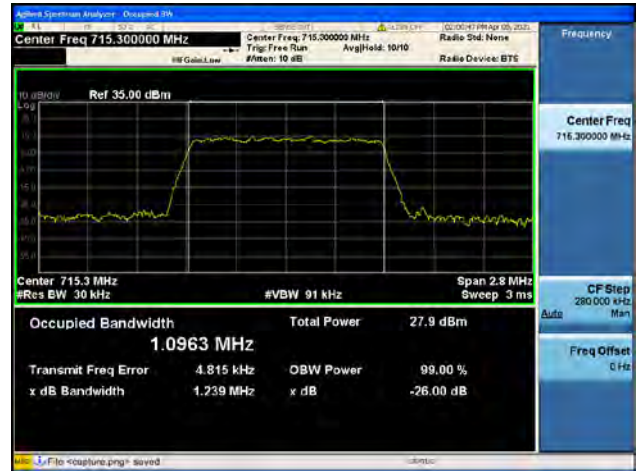




Band12 / 1.4MHz / High CH / QPSK



Band12 / 1.4MHz / High CH / 16QAM



Band12 / 1.4MHz / High CH / 64QAM



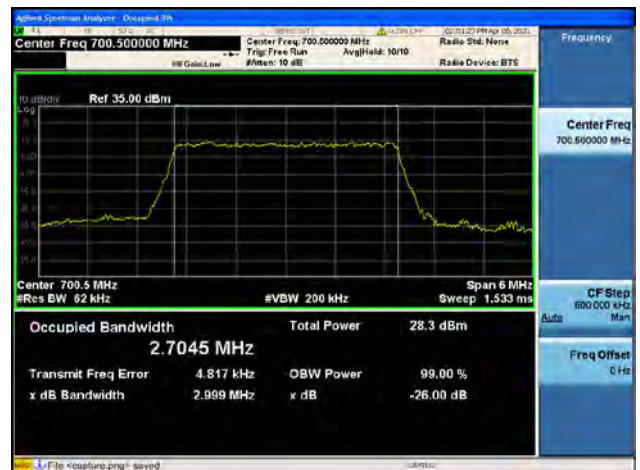
Band12 / 3MHz / Low CH / QPSK



Band12 / 3MHz / Low CH / 16QAM

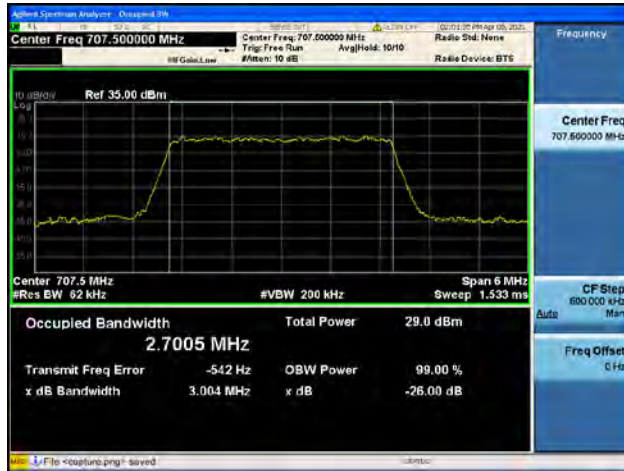


Band12 / 3MHz / Low CH / 64QAM

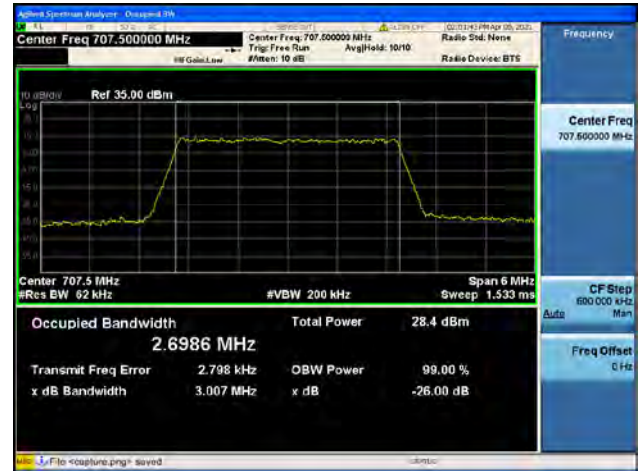




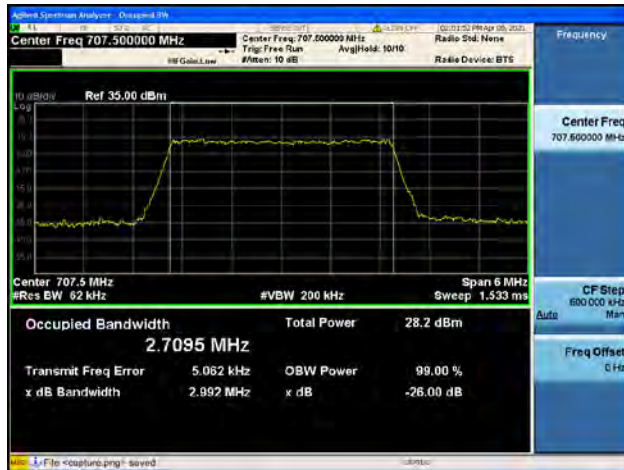
Band12 / 3MHz / Mid CH / QPSK



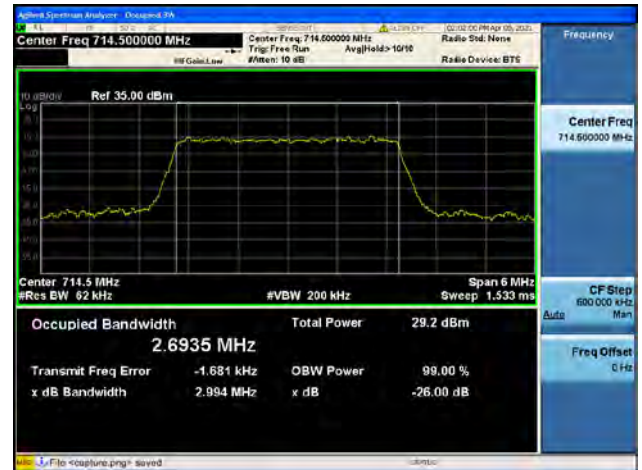
Band12 / 3MHz / Mid CH / 16QAM



Band12 / 3MHz / Mid CH / 64QAM



Band12 / 3MHz / High CH / QPSK



Band12 / 3MHz / High CH / 16QAM



Band12 / 3MHz / High CH / 64QAM

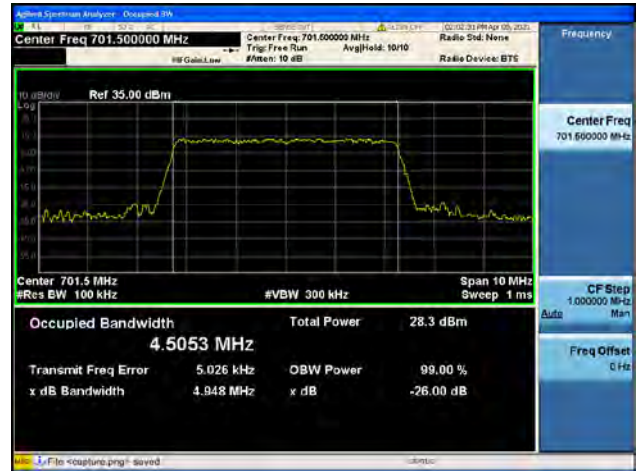




Band12 / 5MHz / Low CH / QPSK



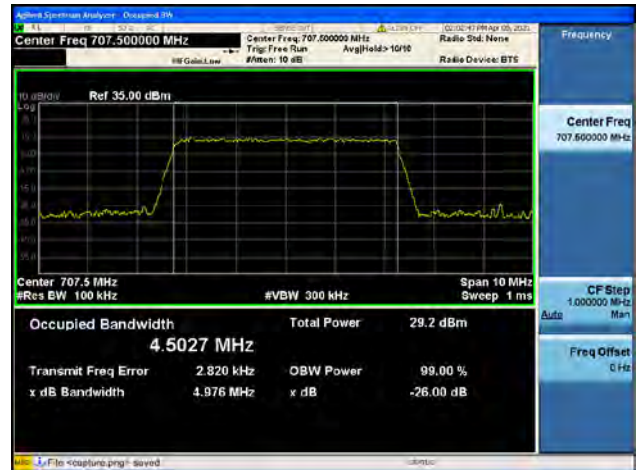
Band12 / 5MHz / Low CH / 16QAM



Band12 / 5MHz / Low CH / 64QAM



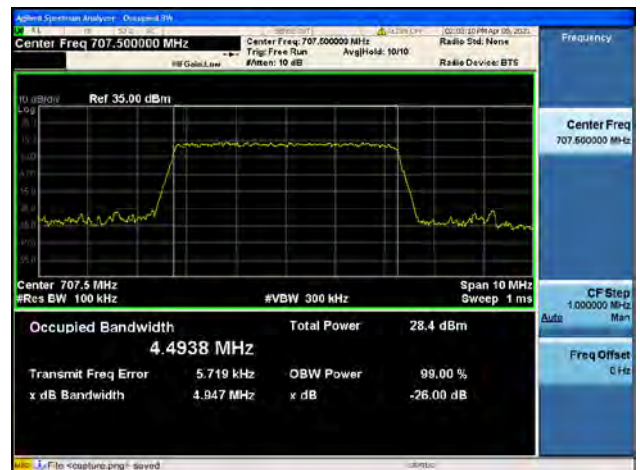
Band12 / 5MHz / Mid CH / QPSK



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

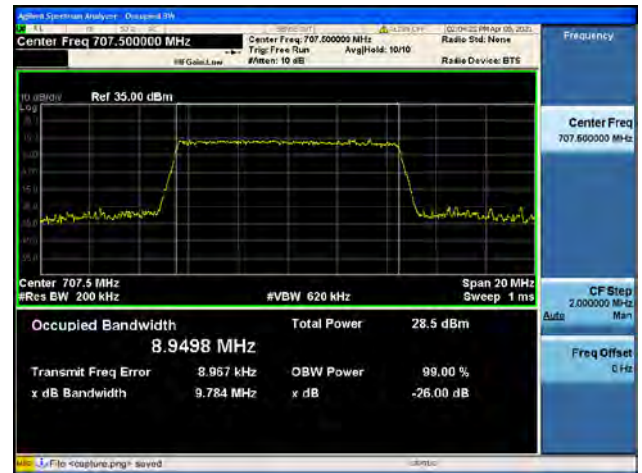




Band12 / 10MHz / Mid CH / QPSK



Band12 / 10MHz / Mid CH / 16QAM



Band12 / 10MHz / Mid CH / 64QAM



Band12 / 10MHz / High CH / QPSK



Band12 / 10MHz / High CH / 16QAM

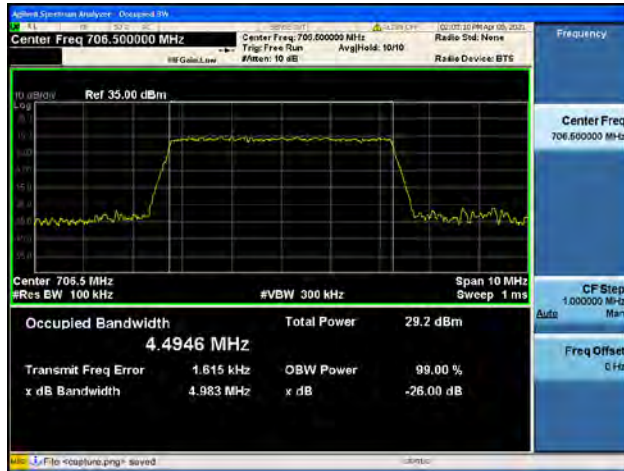


Band12 / 10MHz / High CH / 64QAM

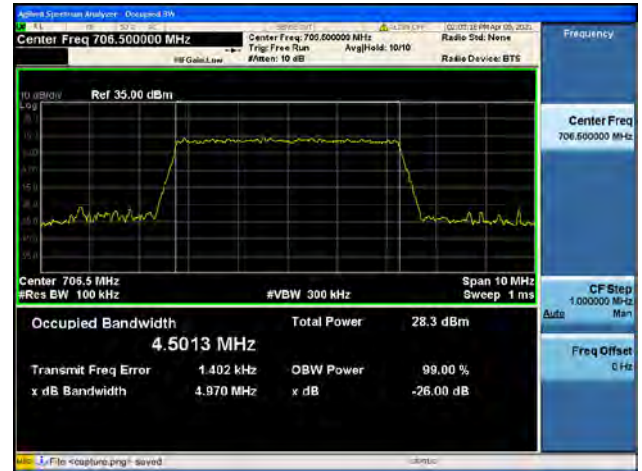




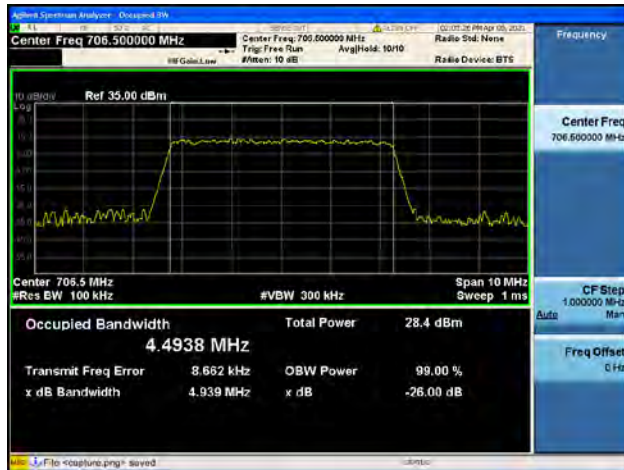
Band17 / 5MHz / Low CH / QPSK



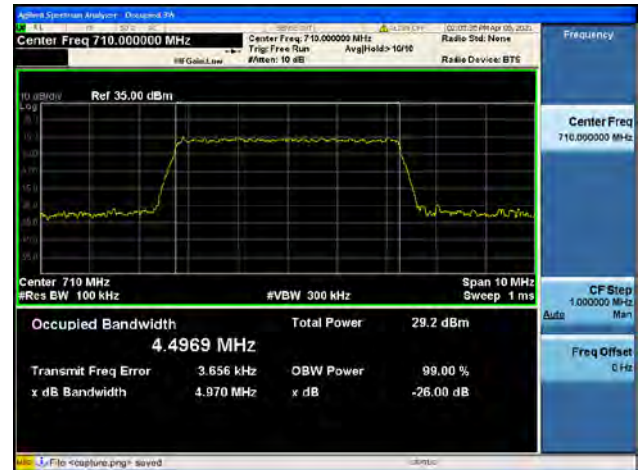
Band17 / 5MHz / Low CH / 16QAM



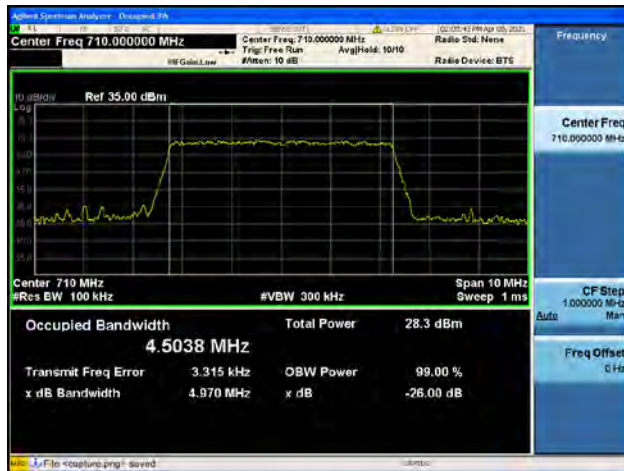
Band17 / 5MHz / Low CH / 64QAM



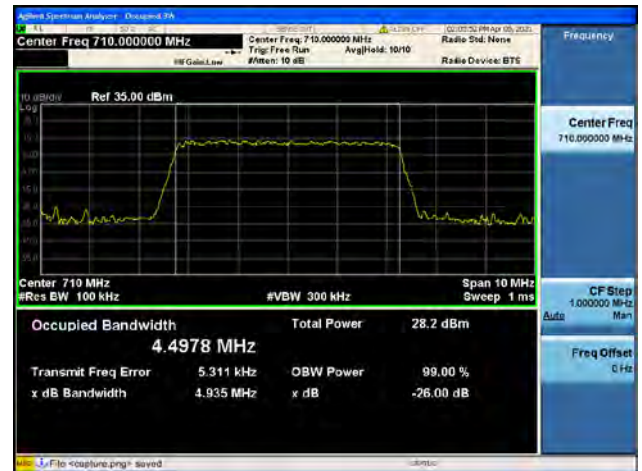
Band17 / 5MHz / Mid CH / QPSK



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

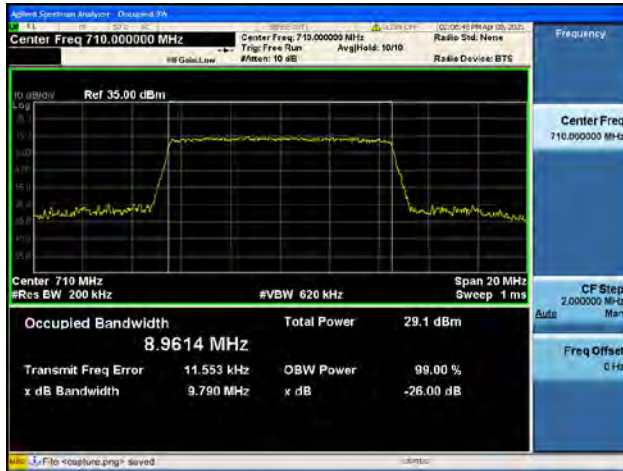


Band17 / 10MHz / Low CH / 64QAM

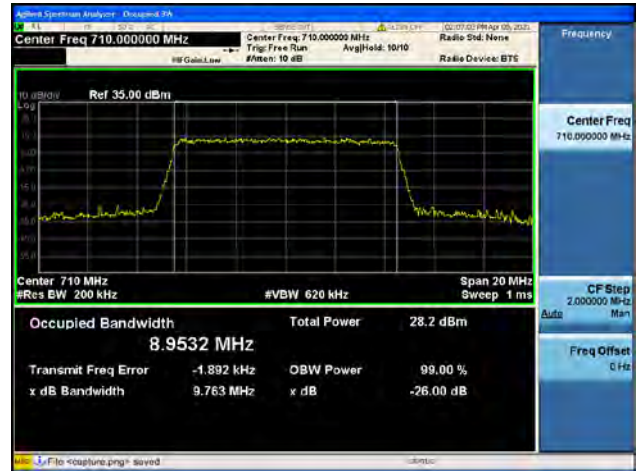




Band17 / 10MHz / Mid CH / QPSK



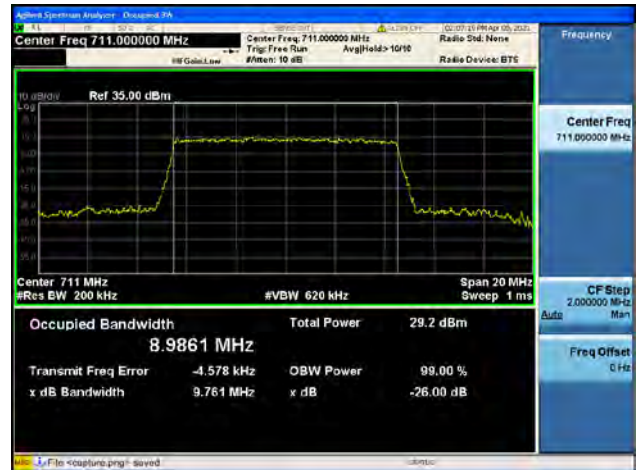
Band17 / 10MHz / Mid CH / 16QAM



Band17 / 10MHz / Mid CH / 64QAM



Band17 / 10MHz / High CH / QPSK

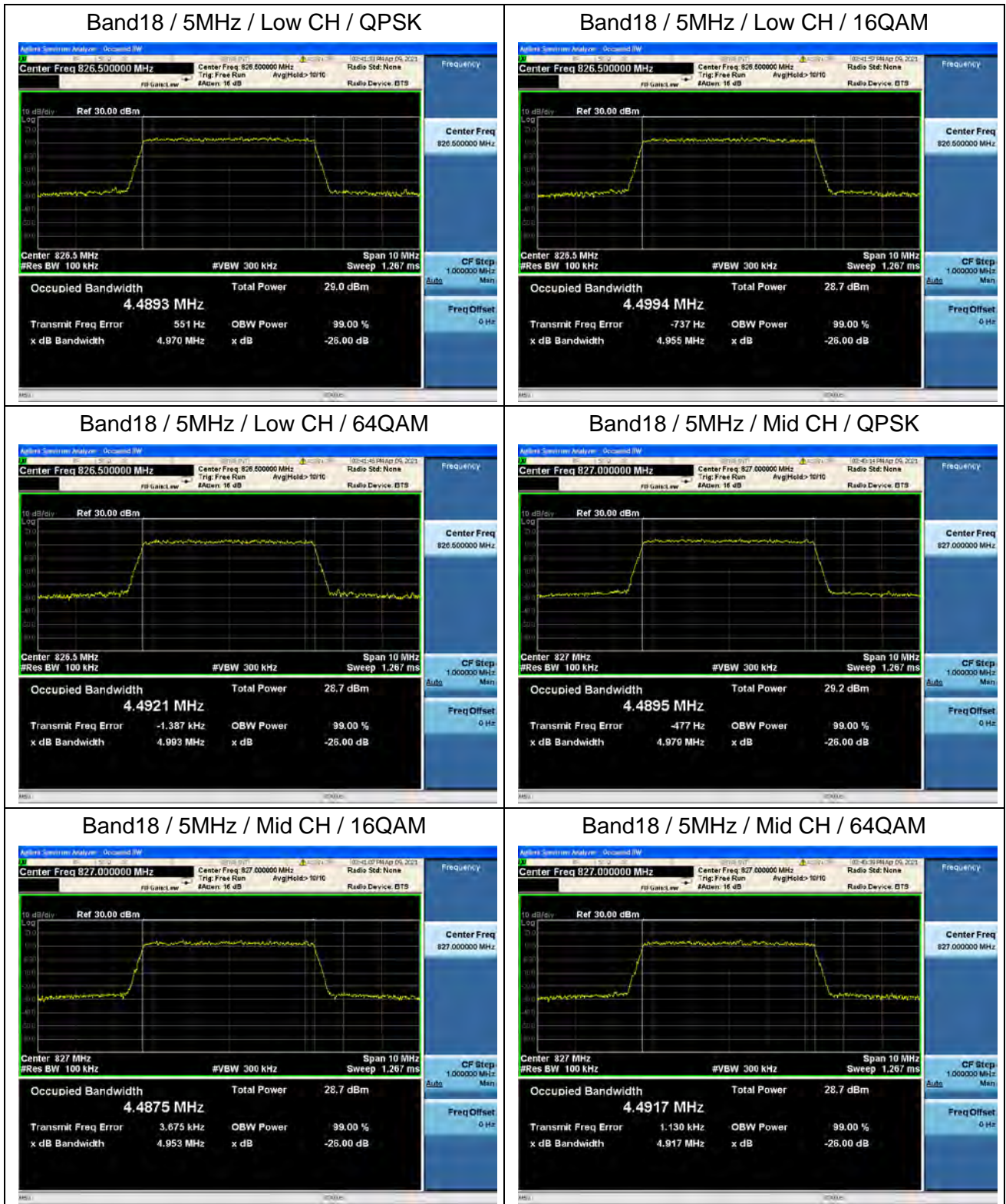


Band17 / 10MHz / High CH / 16QAM



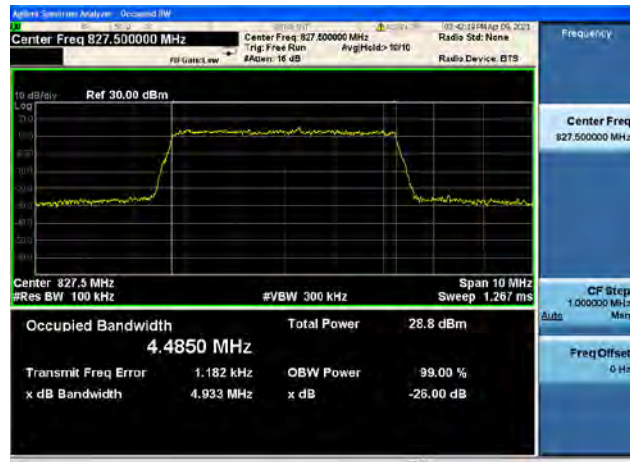
Band17 / 10MHz / High CH / 64QAM



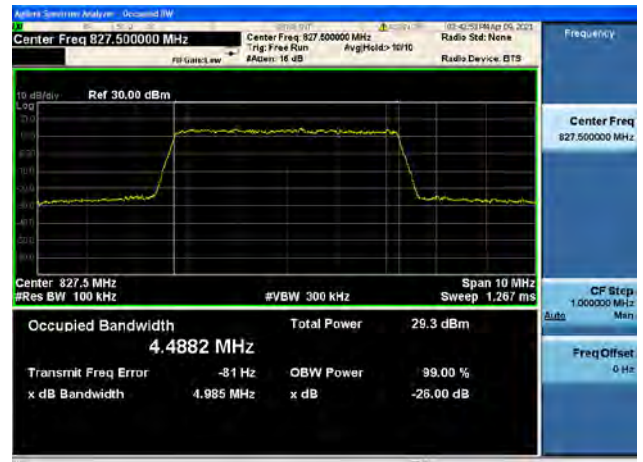




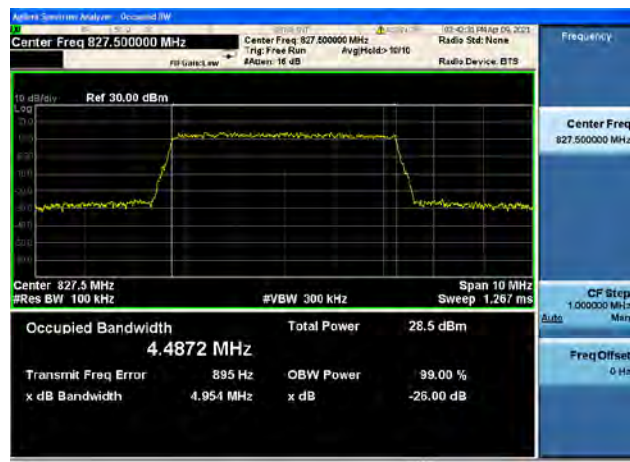
Band18 / 5MHz / High CH / QPSK



Band18 / 5MHz / High CH / 16QAM



Band18 / 5MHz / High CH / 64QAM

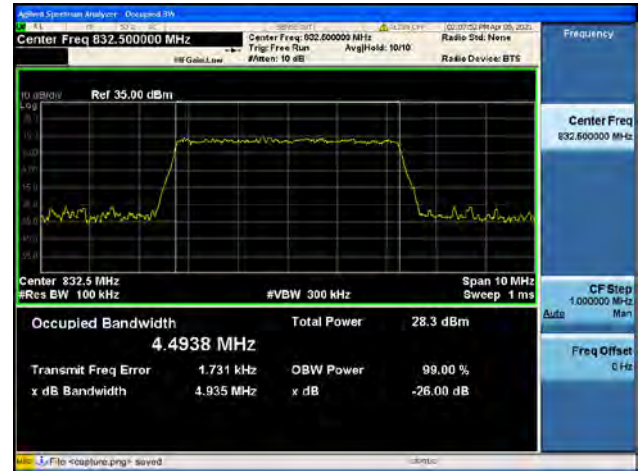




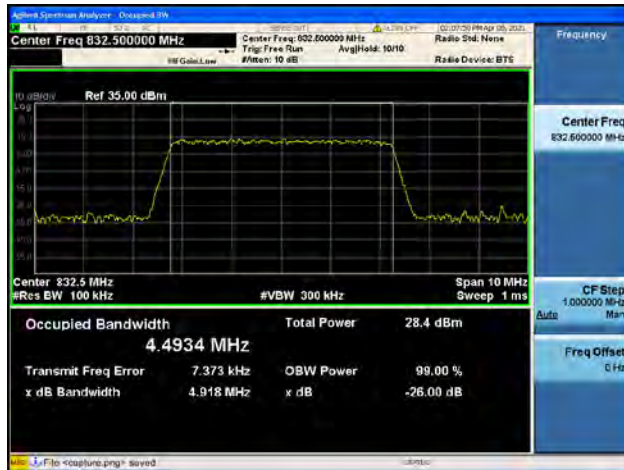
Band19 / 5MHz / Low CH / QPSK



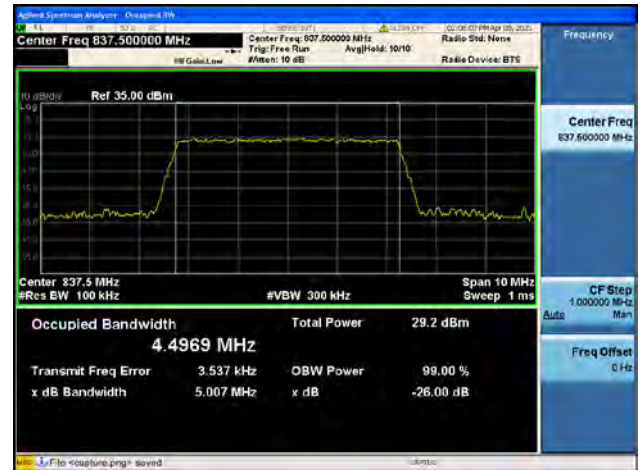
Band19 / 5MHz / Low CH / 16QAM



Band19 / 5MHz / Low CH / 64QAM



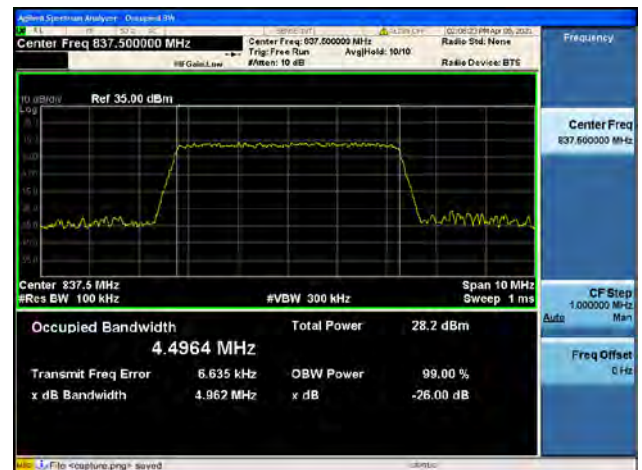
Band19 / 5MHz / Mid CH / QPSK



Band19 / 5MHz / Mid CH / 16QAM



Band19 / 5MHz / Mid CH / 64QAM





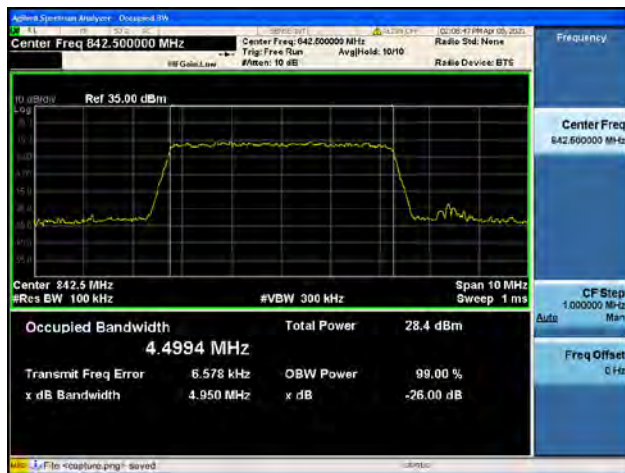
Band19 / 5MHz / High CH / QPSK



Band19 / 5MHz / High CH / 16QAM



Band19 / 5MHz / High CH / 64QAM



Band19 / 10MHz / Low CH / QPSK



Band19 / 10MHz / Low CH / 16QAM



Band19 / 10MHz / Low CH / 64QAM

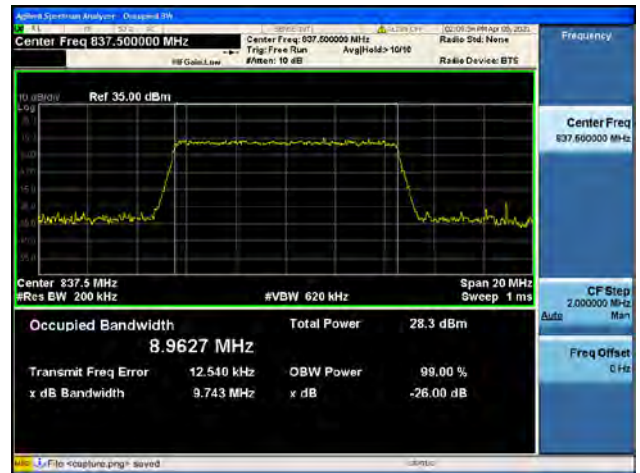




Band19 / 10MHz / Mid CH / QPSK



Band19 / 10MHz / Mid CH / 16QAM



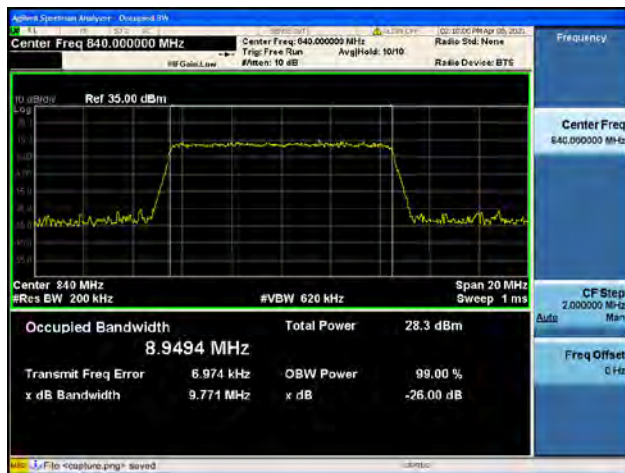
Band19 / 10MHz / Mid CH / 64QAM



Band19 / 10MHz / High CH / QPSK



Band19 / 10MHz / High CH / 16QAM



Band19 / 10MHz / High CH / 64QAM

