



TEST REPORT

APPLICANT : Nubia Technology Co., Ltd.

PRODUCT NAME : 5G Mobile Phone

MODEL NAME : NX709J

BRAND NAME : REDMAGIC

FCC ID : 2AHJO-NX709J

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

RECEIPT DATE : 2022-01-25

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Change History		
Version	Date	Reason for change
1.0	2022-03-30	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	
Sample No.:	2#	
Hardware Version:	NX709J_V1AMB	
Software Version:	NX709J_UNCommon_V4.01	
Modulation Type:	QPSK, 16QAM, 64QAM	
Carrier Aggregation:	Not support	
Operation Band:	Band 2 / 4 / 5 / 7 / 12 / 17 / 18 / 19 / 26 / 38 / 40 / 41 / 66	
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	
LTE Band 41	Tx: 2496MHz–2690MHz	
	Rx: 2496MHz–2690MHz	
LTE Band 66	Tx: 1710MHz–1780MHz	
	Rx: 2110MHz–2200MHz	
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
	LTE Band 41	5 MHz, 10MHz, 15MHz, 20MHz
	LTE Band 66	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz



Antenna Type:	Fixed Internal Antenna	
Antenna Gain:	LTE Band 2	-1.50dBi
	LTE Band 4	-1.50dBi
	LTE Band 5	-3.40dBi
	LTE Band 7	-1.65dBi
	LTE Band 12	-4.70dBi
	LTE Band 17	-4.70dBi
	LTE Band 18	-3.40dBi
	LTE Band 19	-3.60dBi
	LTE Band 26	-3.60dBi
	LTE Band 38	-2.07dBi
	LTE Band 40	-1.00dBi
	LTE Band 41	-1.50dBi
	LTE Band 66	-1.50dBi
Accessory Information:	Battery	
	Brand Name:	nubia
	Model No.:	Li3923T89P8h636590
	Serial No.:	N/A
	Capacity:	2380mAh
	Rated Voltage:	7.78V
	Charge Limit:	8.96V
	Manufacturer:	Dongguan Ampere Technology Limited
	AC Adapter	
	Brand Name:	nubia
	Model No.:	STC-A59152050AC-Z
	Serial No.:	N/A
	Rated Output:	5.0V \Rightarrow 3.0A, 9.0V \Rightarrow 3.0A, 15.0V \Rightarrow 3.0A, 20.0V \Rightarrow 3.0A PPS:5.0V-11.0V \Rightarrow 5.0A, 5.0V-20.0V \Rightarrow 3.25A
	Rated Input:	100-240V \sim 50/60Hz, 1.5A
	Manufacturer:	ShenZhen KunXing Technology Co., Ltd.
USB Cable		
Model No.:	N52111200016D	

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

Note 2: For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.



1.3. Maximum E.R.P./E.I.R.P. and Emission Designator

LTE Band 2		Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
20	0.142	0.124	0.120	18M0G7D	18M0W7D	18M0W7D	
15	0.140	0.122	0.119	13M5G7D	13M5W7D	13M5W7D	
10	0.139	0.121	0.118	9M02G7D	9M02W7D	9M02W7D	
5	0.138	0.121	0.118	4M54G7D	4M53W7D	4M52W7D	
3	0.137	0.120	0.117	2M72G7D	2M72W7D	2M72W7D	
1.4	0.135	0.119	0.115	1M11G7D	1M11W7D	1M11W7D	
LTE Band 4		Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
20	0.149	0.126	0.123	18M1G7D	18M0W7D	18M0W7D	
15	0.147	0.124	0.122	13M5G7D	13M5W7D	13M5W7D	
10	0.147	0.124	0.122	9M04G7D	9M05W7D	9M03W7D	
5	0.146	0.123	0.120	4M54G7D	4M54W7D	4M52W7D	
3	0.145	0.123	0.121	2M72G7D	2M72W7D	2M72W7D	
1.4	0.144	0.122	0.119	1M11G7D	1M12W7D	1M11W7D	
LTE Band 5		Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
10	0.058	0.052	0.048	9M00G7D	9M01W7D	9M02W7D	
5	0.058	0.051	0.047	4M52G7D	4M52W7D	4M53W7D	
3	0.058	0.051	0.047	2M72G7D	2M72W7D	2M72W7D	
1.4	0.056	0.050	0.046	1M11G7D	1M12W7D	1M11W7D	
LTE Band 7		Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
20	0.138	0.124	0.121	18M0G7D	18M0W7D	18M0W7D	
15	0.136	0.122	0.119	13M5G7D	13M5W7D	13M5W7D	
10	0.135	0.121	0.118	9M02G7D	9M02W7D	9M03W7D	
5	0.133	0.120	0.117	4M52G7D	4M54W7D	4M52W7D	
LTE Band 12		Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
10	0.044	0.038	0.037	9M01G7D	8M99W7D	9M00W7D	
5	0.043	0.038	0.037	4M54G7D	4M54W7D	4M53W7D	
3	0.043	0.037	0.037	2M72G7D	2M73W7D	2M71W7D	
1.4	0.042	0.037	0.036	1M11G7D	1M11W7D	1M11W7D	



LTE Band 17	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10	0.043	0.038	0.037	9M03G7D	9M04W7D	9M03W7D
5	0.042	0.037	0.036	4M54G7D	4M54W7D	4M53W7D
LTE Band 18	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5	0.056	0.049	0.047	4M54G7D	4M52W7D	4M52W7D
LTE Band 19	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15	0.056	0.048	0.047	13M5G7D	13M5W7D	13M5W7D
10	0.055	0.048	0.047	9M01G7D	9M03W7D	9M02W7D
5	0.055	0.047	0.046	4M52G7D	4M53W7D	4M52W7D
LTE Band 26	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15	0.055	0.048	0.048	13M5G7D	13M5W7D	13M5W7D
10	0.054	0.046	0.046	9M01G7D	9M02W7D	9M02W7D
5	0.054	0.046	0.045	4M52G7D	4M53W7D	4M53W7D
3	0.053	0.045	0.045	2M72G7D	2M72W7D	2M72W7D
1.4	0.053	0.045	0.045	1M11G7D	1M12W7D	1M11W7D
LTE Band 38	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.130	0.112	0.116	18M0G7D	18M0W7D	18M0W7D
15	0.129	0.111	0.115	13M5G7D	13M5W7D	13M5W7D
10	0.128	0.109	0.114	9M04G7D	9M04W7D	9M01W7D
5	0.126	0.108	0.112	4M53G7D	4M53W7D	4M52W7D
LTE Band 40 Block A	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10	0.158	0.136	0.132	9M00G7D	9M02W7D	9M01W7D
5	0.155	0.135	0.131	4M52G7D	4M53W7D	4M52W7D
LTE Band 40 Block B	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10	0.159	0.136	0.131	9M02G7D	8M98W7D	9M02W7D
5	0.155	0.134	0.130	4M53G7D	4M52W7D	4M54W7D



LTE Band 41	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.149	0.129	0.128	18M0G7D	18M0W7D	18M0W7D
15	0.147	0.126	0.126	13M5G7D	13M5W7D	13M5W7D
10	0.147	0.125	0.124	9M02G7D	9M03W7D	9M02W7D
5	0.146	0.124	0.123	4M52G7D	4M54W7D	4M52W7D
LTE Band 66	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.150	0.123	0.118	18M0G7D	18M1W7D	18M0W7D
15	0.147	0.120	0.114	13M5G7D	13M5W7D	13M5W7D
10	0.144	0.119	0.112	9M03G7D	9M03W7D	9M02W7D
5	0.145	0.119	0.112	4M53G7D	4M53W7D	4M52W7D
3	0.143	0.117	0.111	2M71G7D	2M72W7D	2M73W7D
1.4	0.143	0.117	0.111	1M11G7D	1M11W7D	1M11W7D



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.	Mar. 23, 2022	Yu Xiaoming Li Huaijie	PASS	No deviation
2.1049	Occupied Bandwidth	Mar. 02&04&07, 2022	Li Huaijie	PASS	No deviation
2.1055 22.355 24.235 27.54	Frequency Stability	Mar. 08, 2022	Li Huaijie	PASS	No deviation
24.232(d), 27.50(d)(5)	Peak to Average Radio	Mar. 04, 2022	Li Huaijie	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	Mar. 02&04&07, 2022	Li Huaijie	PASS	No deviation
2.1051	Band Edge	Mar. 02&03, 2022	Li Huaijie	PASS	No



22.917(a) 24.238(a) 27.53(a)(4) 27.53(g) 27.53(h) 27.53(m)(4)					deviation
2.1053 22.917(a) 24.238(a) 27.53(a)(4) 27.53(g) 27.53(h) 27.53(m)(4)	Radiated Spurious Emissions	Mar. 03&16, 2022	Lin Jiayong	PASS	No deviation

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

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

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

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

1.5. Environmental Conditions

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

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



2.47 CFR Part 2, Part 22H, Part 24E, Part 27 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 4/66, Fixed, mobile and portable (hand-held) stations in the 1710-1755MHz band are limited to 1wat E.I.R.P.

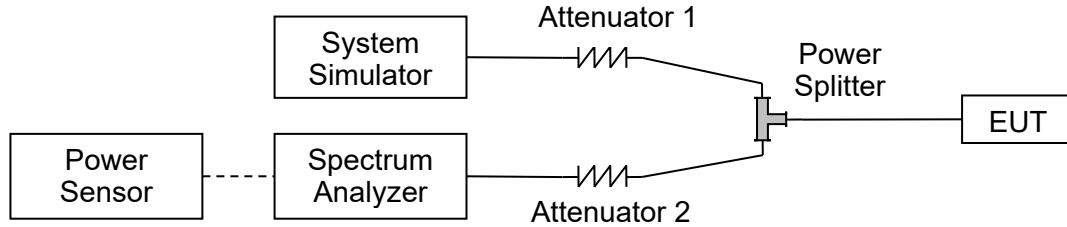
According to FCC section 22.913 (a)(2) for LTE Band 5/18/19/26, the E.R.P. of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

According to FCC section 27.50 (h)(2) for LTE Band 7/38/41, Mobile and other user stations. Mobile stations are limited to 2 watts E.I.R.P. All user stations are limited to 2 watts transmitter output power.

According to FCC section 27.50 (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:**

LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18700	18900	19100
Frequency (MHz)				1860	1880	1900
20	QPSK	1	0	22.99	23.03	22.97
20	QPSK	1	49	22.78	22.83	22.80
20	QPSK	1	99	22.64	22.72	22.65
20	QPSK	50	0	22.02	22.13	22.03
20	QPSK	50	24	21.96	22.08	21.97
20	QPSK	50	50	21.90	22.03	21.90
20	QPSK	100	0	21.84	21.97	21.85
20	16QAM	1	0	22.32	22.37	22.44
20	16QAM	1	49	22.20	22.27	22.38
20	16QAM	1	99	22.08	22.17	22.29
20	16QAM	50	0	21.79	21.80	21.99
20	16QAM	50	24	21.72	21.73	21.94
20	16QAM	50	50	21.66	21.66	21.88
20	16QAM	100	0	21.59	21.60	21.83
20	64QAM	1	0	22.30	22.27	22.29
20	64QAM	1	49	22.22	22.24	22.23
20	64QAM	1	99	22.07	22.04	22.09
20	64QAM	50	0	21.82	21.77	21.89
20	64QAM	50	24	21.76	21.72	21.83
20	64QAM	50	50	21.70	21.65	21.77
20	64QAM	100	0	21.63	21.59	21.71



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18675	18900	19125
Frequency (MHz)				1857.5	1880	1902.5
15	QPSK	1	0	22.94	22.97	22.91
15	QPSK	1	37	22.74	22.80	22.76
15	QPSK	1	74	22.59	22.67	22.60
15	QPSK	36	0	21.96	22.09	21.99
15	QPSK	36	20	21.90	22.03	21.92
15	QPSK	36	39	21.85	21.98	21.86
15	QPSK	75	0	21.79	21.93	21.80
15	16QAM	1	0	22.28	22.33	22.38
15	16QAM	1	37	22.17	22.24	22.35
15	16QAM	1	74	22.04	22.12	22.25
15	16QAM	36	0	21.76	21.77	21.94
15	16QAM	36	20	21.67	21.70	21.91
15	16QAM	36	39	21.63	21.61	21.82
15	16QAM	75	0	21.55	21.54	21.80
15	64QAM	1	0	22.25	22.22	22.26
15	64QAM	1	37	22.18	22.19	22.18
15	64QAM	1	74	22.03	21.99	22.05
15	64QAM	36	0	21.77	21.73	21.85
15	64QAM	36	20	21.72	21.69	21.78
15	64QAM	36	39	21.65	21.59	21.73
15	64QAM	75	0	21.57	21.55	21.66



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18650	18900	19150
Frequency (MHz)				1855	1880	1905
10	QPSK	1	0	22.89	22.94	22.87
10	QPSK	1	25	22.68	22.75	22.70
10	QPSK	1	49	22.55	22.63	22.55
10	QPSK	25	0	21.93	22.05	21.96
10	QPSK	25	12	21.84	21.99	21.87
10	QPSK	25	25	21.81	21.93	21.82
10	QPSK	50	0	21.75	21.90	21.76
10	16QAM	1	0	22.24	22.29	22.34
10	16QAM	1	25	22.12	22.19	22.32
10	16QAM	1	49	21.99	22.09	22.21
10	16QAM	25	0	21.71	21.72	21.88
10	16QAM	25	12	21.63	21.64	21.85
10	16QAM	25	25	21.58	21.56	21.79
10	16QAM	50	0	21.49	21.48	21.75
10	64QAM	1	0	22.20	22.18	22.21
10	64QAM	1	25	22.13	22.15	22.14
10	64QAM	1	49	21.98	21.95	22.02
10	64QAM	25	0	21.73	21.70	21.81
10	64QAM	25	12	21.67	21.65	21.75
10	64QAM	25	25	21.59	21.55	21.67
10	64QAM	50	0	21.53	21.51	21.60



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18625	18900	19175
Frequency (MHz)				1852.5	1880	1907.5
5	QPSK	1	0	22.90	22.91	22.86
5	QPSK	1	12	22.70	22.75	22.72
5	QPSK	1	24	22.56	22.62	22.57
5	QPSK	12	0	21.93	22.05	21.94
5	QPSK	12	7	21.87	21.98	21.87
5	QPSK	12	13	21.80	21.93	21.82
5	QPSK	25	0	21.74	21.90	21.76
5	16QAM	1	0	22.24	22.27	22.34
5	16QAM	1	12	22.12	22.19	22.31
5	16QAM	1	24	22.01	22.07	22.21
5	16QAM	12	0	21.71	21.74	21.88
5	16QAM	12	7	21.63	21.67	21.85
5	16QAM	12	13	21.59	21.57	21.79
5	16QAM	25	0	21.51	21.51	21.76
5	64QAM	1	0	22.21	22.17	22.21
5	64QAM	1	12	22.15	22.15	22.13
5	64QAM	1	24	22.00	21.94	22.01
5	64QAM	12	0	21.72	21.67	21.80
5	64QAM	12	7	21.67	21.63	21.75
5	64QAM	12	13	21.62	21.56	21.69
5	64QAM	25	0	21.53	21.50	21.63



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18615	18900	19185
Frequency (MHz)				1851.5	1880	1908.5
3	QPSK	1	0	22.85	22.87	22.83
3	QPSK	1	8	22.66	22.70	22.68
3	QPSK	1	14	22.50	22.57	22.53
3	QPSK	8	0	21.90	22.02	21.89
3	QPSK	8	4	21.84	21.95	21.83
3	QPSK	8	7	21.77	21.88	21.78
3	QPSK	15	0	21.70	21.86	21.72
3	16QAM	1	0	22.19	22.22	22.29
3	16QAM	1	8	22.08	22.14	22.26
3	16QAM	1	14	21.96	22.03	22.18
3	16QAM	8	0	21.66	21.68	21.85
3	16QAM	8	4	21.59	21.62	21.81
3	16QAM	8	7	21.53	21.53	21.74
3	16QAM	15	0	21.48	21.47	21.72
3	64QAM	1	0	22.17	22.12	22.17
3	64QAM	1	8	22.11	22.10	22.08
3	64QAM	1	14	21.96	21.90	21.96
3	64QAM	8	0	21.67	21.64	21.77
3	64QAM	8	4	21.61	21.57	21.71
3	64QAM	8	7	21.58	21.51	21.65
3	64QAM	15	0	21.49	21.46	21.59



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18607	18900	19193
Frequency (MHz)				1850.7	1880	1909.3
1.4	QPSK	1	0	22.81	22.81	22.77
1.4	QPSK	1	3	22.63	22.66	22.65
1.4	QPSK	1	5	22.50	22.54	22.49
1.4	QPSK	3	0	21.85	21.97	21.87
1.4	QPSK	3	1	21.76	21.91	21.78
1.4	QPSK	3	3	21.72	21.84	21.76
1.4	QPSK	6	0	21.65	21.82	21.67
1.4	16QAM	1	0	22.12	22.19	22.26
1.4	16QAM	1	3	22.03	22.09	22.20
1.4	16QAM	1	5	21.92	21.99	22.13
1.4	16QAM	3	0	21.62	21.66	21.76
1.4	16QAM	3	1	21.53	21.59	21.73
1.4	16QAM	3	3	21.51	21.49	21.72
1.4	16QAM	6	0	21.43	21.42	21.68
1.4	64QAM	1	0	22.12	22.07	22.10
1.4	64QAM	1	3	22.07	22.05	22.03
1.4	64QAM	1	5	21.90	21.86	21.93
1.4	64QAM	3	0	21.65	21.59	21.70
1.4	64QAM	3	1	21.56	21.54	21.64
1.4	64QAM	3	3	21.55	21.49	21.61
1.4	64QAM	6	0	21.44	21.42	21.52



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	23.18	23.22	23.20
20	QPSK	1	49	22.98	22.94	23.01
20	QPSK	1	99	22.87	22.84	22.85
20	QPSK	50	0	22.14	22.15	22.13
20	QPSK	50	24	22.08	22.03	22.07
20	QPSK	50	50	22.03	21.96	22.01
20	QPSK	100	0	21.97	21.99	21.96
20	16QAM	1	0	22.48	22.49	22.40
20	16QAM	1	49	22.35	22.34	22.27
20	16QAM	1	99	22.23	22.25	22.17
20	16QAM	50	0	21.98	21.96	21.87
20	16QAM	50	24	21.93	21.90	21.81
20	16QAM	50	50	21.86	21.84	21.75
20	16QAM	100	0	21.80	21.77	21.68
20	64QAM	1	0	22.30	22.39	22.24
20	64QAM	1	49	22.20	22.22	22.16
20	64QAM	1	99	22.13	22.13	22.03
20	64QAM	50	0	22.02	22.08	21.96
20	64QAM	50	24	21.96	22.02	21.90
20	64QAM	50	50	21.90	21.97	21.85
20	64QAM	100	0	21.84	21.90	21.79



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20025	20175	20325
Frequency (MHz)				1717.5	1732.5	1747.5
15	QPSK	1	0	23.14	23.17	23.15
15	QPSK	1	37	22.93	22.91	22.97
15	QPSK	1	74	22.81	22.80	22.79
15	QPSK	36	0	22.10	22.10	22.08
15	QPSK	36	20	22.03	21.99	22.01
15	QPSK	36	39	21.98	21.91	21.98
15	QPSK	75	0	21.94	21.95	21.93
15	16QAM	1	0	22.45	22.43	22.37
15	16QAM	1	37	22.31	22.29	22.22
15	16QAM	1	74	22.19	22.19	22.14
15	16QAM	36	0	21.93	21.90	21.83
15	16QAM	36	20	21.90	21.86	21.75
15	16QAM	36	39	21.83	21.78	21.71
15	16QAM	75	0	21.76	21.71	21.64
15	64QAM	1	0	22.26	22.36	22.21
15	64QAM	1	37	22.14	22.17	22.10
15	64QAM	1	74	22.08	22.08	21.98
15	64QAM	36	0	21.97	22.02	21.90
15	64QAM	36	20	21.91	21.97	21.86
15	64QAM	36	39	21.87	21.94	21.82
15	64QAM	75	0	21.79	21.86	21.74



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20000	20175	20350
Frequency (MHz)				1715	1732.5	1750
10	QPSK	1	0	23.13	23.17	23.16
10	QPSK	1	25	22.93	22.90	22.98
10	QPSK	1	49	22.83	22.79	22.82
10	QPSK	25	0	22.09	22.11	22.09
10	QPSK	25	12	22.03	22.00	22.03
10	QPSK	25	25	21.99	21.91	21.96
10	QPSK	50	0	21.91	21.93	21.91
10	16QAM	1	0	22.43	22.44	22.36
10	16QAM	1	25	22.31	22.31	22.23
10	16QAM	1	49	22.19	22.19	22.13
10	16QAM	25	0	21.95	21.92	21.82
10	16QAM	25	12	21.90	21.86	21.77
10	16QAM	25	25	21.82	21.79	21.70
10	16QAM	50	0	21.76	21.72	21.62
10	64QAM	1	0	22.25	22.35	22.19
10	64QAM	1	25	22.15	22.18	22.11
10	64QAM	1	49	22.09	22.08	21.99
10	64QAM	25	0	21.99	22.05	21.91
10	64QAM	25	12	21.92	21.99	21.86
10	64QAM	25	25	21.86	21.94	21.82
10	64QAM	50	0	21.80	21.85	21.76



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19975	20175	20375
Frequency (MHz)				1712.5	1732.5	1752.5
5	QPSK	1	0	23.08	23.13	23.11
5	QPSK	1	12	22.89	22.84	22.94
5	QPSK	1	24	22.77	22.73	22.79
5	QPSK	12	0	22.06	22.06	22.05
5	QPSK	12	7	21.98	21.96	21.99
5	QPSK	12	13	21.93	21.88	21.93
5	QPSK	25	0	21.85	21.88	21.87
5	16QAM	1	0	22.38	22.39	22.33
5	16QAM	1	12	22.28	22.26	22.18
5	16QAM	1	24	22.15	22.14	22.09
5	16QAM	12	0	21.89	21.86	21.79
5	16QAM	12	7	21.86	21.81	21.72
5	16QAM	12	13	21.76	21.74	21.66
5	16QAM	25	0	21.72	21.68	21.56
5	64QAM	1	0	22.22	22.30	22.15
5	64QAM	1	12	22.10	22.14	22.07
5	64QAM	1	24	22.06	22.03	21.95
5	64QAM	12	0	21.94	22.00	21.86
5	64QAM	12	7	21.88	21.94	21.81
5	64QAM	12	13	21.81	21.90	21.77
5	64QAM	25	0	21.75	21.80	21.71



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	23.08	23.11	23.11
3	QPSK	1	8	22.88	22.85	22.93
3	QPSK	1	14	22.80	22.75	22.78
3	QPSK	8	0	22.03	22.06	22.06
3	QPSK	8	4	21.97	21.95	21.99
3	QPSK	8	7	21.93	21.87	21.92
3	QPSK	15	0	21.86	21.88	21.86
3	16QAM	1	0	22.40	22.39	22.33
3	16QAM	1	8	22.28	22.27	22.19
3	16QAM	1	14	22.14	22.14	22.08
3	16QAM	8	0	21.92	21.89	21.77
3	16QAM	8	4	21.85	21.82	21.72
3	16QAM	8	7	21.77	21.75	21.67
3	16QAM	15	0	21.71	21.69	21.59
3	64QAM	1	0	22.20	22.31	22.15
3	64QAM	1	8	22.11	22.14	22.05
3	64QAM	1	14	22.06	22.05	21.96
3	64QAM	8	0	21.95	21.99	21.87
3	64QAM	8	4	21.88	21.94	21.83
3	64QAM	8	7	21.82	21.91	21.76
3	64QAM	15	0	21.75	21.80	21.70



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19957	20175	20393
Frequency (MHz)				1710.7	1732.5	1754.3
1.4	QPSK	1	0	23.02	23.08	23.06
1.4	QPSK	1	3	22.83	22.80	22.89
1.4	QPSK	1	5	22.75	22.71	22.74
1.4	QPSK	3	0	21.99	22.01	22.02
1.4	QPSK	3	1	21.92	21.91	21.93
1.4	QPSK	3	3	21.88	21.82	21.86
1.4	QPSK	6	0	21.81	21.84	21.81
1.4	16QAM	1	0	22.37	22.34	22.27
1.4	16QAM	1	3	22.24	22.22	22.14
1.4	16QAM	1	5	22.10	22.10	22.03
1.4	16QAM	3	0	21.89	21.86	21.73
1.4	16QAM	3	1	21.81	21.77	21.68
1.4	16QAM	3	3	21.73	21.70	21.61
1.4	16QAM	6	0	21.65	21.63	21.56
1.4	64QAM	1	0	22.17	22.25	22.11
1.4	64QAM	1	3	22.06	22.11	21.99
1.4	64QAM	1	5	22.01	22.01	21.93
1.4	64QAM	3	0	21.91	21.94	21.84
1.4	64QAM	3	1	21.85	21.91	21.79
1.4	64QAM	3	3	21.77	21.88	21.71
1.4	64QAM	6	0	21.70	21.76	21.66



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	23.09	23.19	23.17
10	QPSK	1	25	22.85	22.90	22.92
10	QPSK	1	49	22.69	22.84	22.83
10	QPSK	25	0	22.11	22.28	22.26
10	QPSK	25	12	22.05	22.18	22.20
10	QPSK	25	25	21.98	22.12	22.13
10	QPSK	50	0	21.93	22.09	22.07
10	16QAM	1	0	22.59	22.69	22.66
10	16QAM	1	25	22.47	22.50	22.51
10	16QAM	1	49	22.30	22.37	22.35
10	16QAM	25	0	21.90	21.98	21.97
10	16QAM	25	12	21.84	21.92	21.90
10	16QAM	25	25	21.78	21.86	21.84
10	16QAM	50	0	21.73	21.80	21.79
10	64QAM	1	0	22.21	22.35	22.34
10	64QAM	1	25	22.14	22.16	22.26
10	64QAM	1	49	21.99	22.02	22.12
10	64QAM	25	0	21.84	21.90	22.07
10	64QAM	25	12	21.79	21.83	22.01
10	64QAM	25	25	21.72	21.78	21.94
10	64QAM	50	0	21.66	21.72	21.87



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	23.04	23.15	23.12
5	QPSK	1	12	22.81	22.85	22.86
5	QPSK	1	24	22.64	22.81	22.77
5	QPSK	12	0	22.05	22.23	22.21
5	QPSK	12	7	22.01	22.12	22.15
5	QPSK	12	13	21.93	22.08	22.09
5	QPSK	25	0	21.89	22.03	22.03
5	16QAM	1	0	22.54	22.63	22.61
5	16QAM	1	12	22.43	22.45	22.47
5	16QAM	1	24	22.25	22.33	22.30
5	16QAM	12	0	21.86	21.95	21.93
5	16QAM	12	7	21.81	21.87	21.87
5	16QAM	12	13	21.74	21.81	21.80
5	16QAM	25	0	21.68	21.75	21.75
5	64QAM	1	0	22.18	22.30	22.28
5	64QAM	1	12	22.11	22.11	22.23
5	64QAM	1	24	21.94	21.97	22.07
5	64QAM	12	0	21.78	21.87	22.03
5	64QAM	12	7	21.74	21.79	21.96
5	64QAM	12	13	21.69	21.73	21.89
5	64QAM	25	0	21.63	21.68	21.82



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	23.03	23.15	23.11
3	QPSK	1	8	22.79	22.85	22.87
3	QPSK	1	14	22.63	22.79	22.79
3	QPSK	8	0	22.06	22.25	22.22
3	QPSK	8	4	22.02	22.14	22.15
3	QPSK	8	7	21.92	22.06	22.08
3	QPSK	15	0	21.88	22.03	22.04
3	16QAM	1	0	22.54	22.63	22.63
3	16QAM	1	8	22.42	22.45	22.47
3	16QAM	1	14	22.24	22.33	22.30
3	16QAM	8	0	21.86	21.94	21.92
3	16QAM	8	4	21.78	21.89	21.86
3	16QAM	8	7	21.74	21.82	21.80
3	16QAM	15	0	21.70	21.77	21.75
3	64QAM	1	0	22.18	22.30	22.30
3	64QAM	1	8	22.10	22.10	22.22
3	64QAM	1	14	21.95	21.96	22.09
3	64QAM	8	0	21.79	21.85	22.02
3	64QAM	8	4	21.75	21.78	21.97
3	64QAM	8	7	21.67	21.74	21.90
3	64QAM	15	0	21.61	21.69	21.83



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20407	20525	20643
Frequency (MHz)				824.7	836.5	848.3
1.4	QPSK	1	0	22.95	23.06	23.02
1.4	QPSK	1	3	22.69	22.77	22.78
1.4	QPSK	1	5	22.53	22.69	22.71
1.4	QPSK	3	0	21.96	22.14	22.13
1.4	QPSK	3	1	21.93	22.06	22.06
1.4	QPSK	3	3	21.83	21.96	21.97
1.4	QPSK	6	0	21.79	21.94	21.95
1.4	16QAM	1	0	22.44	22.53	22.52
1.4	16QAM	1	3	22.33	22.36	22.37
1.4	16QAM	1	5	22.16	22.23	22.20
1.4	16QAM	3	0	21.76	21.83	21.82
1.4	16QAM	3	1	21.68	21.80	21.77
1.4	16QAM	3	3	21.64	21.73	21.70
1.4	16QAM	6	0	21.59	21.67	21.66
1.4	64QAM	1	0	22.09	22.20	22.20
1.4	64QAM	1	3	22.01	22.00	22.12
1.4	64QAM	1	5	21.85	21.86	22.00
1.4	64QAM	3	0	21.70	21.76	21.94
1.4	64QAM	3	1	21.66	21.68	21.88
1.4	64QAM	3	3	21.57	21.65	21.80
1.4	64QAM	6	0	21.50	21.59	21.74



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	23.02	23.04	22.99
20	QPSK	1	49	22.83	22.86	22.84
20	QPSK	1	99	22.70	22.79	22.70
20	QPSK	50	0	22.05	22.15	22.04
20	QPSK	50	24	22.00	22.09	21.98
20	QPSK	50	50	21.94	22.04	21.92
20	QPSK	100	0	21.87	21.98	21.86
20	16QAM	1	0	22.57	22.58	22.55
20	16QAM	1	49	22.52	22.45	22.49
20	16QAM	1	99	22.45	22.39	22.39
20	16QAM	50	0	21.98	21.88	21.89
20	16QAM	50	24	21.93	21.83	21.84
20	16QAM	50	50	21.86	21.77	21.79
20	16QAM	100	0	21.79	21.70	21.73
20	64QAM	1	0	22.33	22.48	22.30
20	64QAM	1	49	22.17	22.32	22.15
20	64QAM	1	99	22.11	22.17	22.02
20	64QAM	50	0	21.70	21.77	21.68
20	64QAM	50	24	21.64	21.72	21.61
20	64QAM	50	50	21.58	21.65	21.55
20	64QAM	100	0	21.52	21.59	21.48



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	22.98	22.98	22.95
15	QPSK	1	37	22.77	22.80	22.79
15	QPSK	1	74	22.66	22.75	22.66
15	QPSK	36	0	22.02	22.10	21.99
15	QPSK	36	20	21.96	22.06	21.92
15	QPSK	36	39	21.89	22.01	21.86
15	QPSK	75	0	21.84	21.94	21.81
15	16QAM	1	0	22.52	22.52	22.50
15	16QAM	1	37	22.47	22.40	22.46
15	16QAM	1	74	22.40	22.34	22.36
15	16QAM	36	0	21.94	21.84	21.84
15	16QAM	36	20	21.87	21.78	21.80
15	16QAM	36	39	21.81	21.73	21.74
15	16QAM	75	0	21.74	21.67	21.69
15	64QAM	1	0	22.29	22.42	22.27
15	64QAM	1	37	22.13	22.26	22.10
15	64QAM	1	74	22.08	22.11	21.97
15	64QAM	36	0	21.66	21.74	21.62
15	64QAM	36	20	21.61	21.66	21.56
15	64QAM	36	39	21.54	21.62	21.51
15	64QAM	75	0	21.46	21.55	21.45



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	22.93	22.94	22.90
10	QPSK	1	25	22.74	22.75	22.74
10	QPSK	1	49	22.62	22.72	22.62
10	QPSK	25	0	21.98	22.04	21.94
10	QPSK	25	12	21.91	22.02	21.88
10	QPSK	25	25	21.85	21.96	21.81
10	QPSK	50	0	21.79	21.90	21.78
10	16QAM	1	0	22.47	22.47	22.45
10	16QAM	1	25	22.42	22.35	22.40
10	16QAM	1	49	22.34	22.29	22.32
10	16QAM	25	0	21.88	21.78	21.80
10	16QAM	25	12	21.82	21.72	21.74
10	16QAM	25	25	21.75	21.69	21.69
10	16QAM	50	0	21.70	21.63	21.65
10	64QAM	1	0	22.25	22.37	22.23
10	64QAM	1	25	22.10	22.22	22.06
10	64QAM	1	49	22.03	22.08	21.92
10	64QAM	25	0	21.61	21.70	21.57
10	64QAM	25	12	21.55	21.62	21.52
10	64QAM	25	25	21.51	21.56	21.47
10	64QAM	50	0	21.42	21.49	21.40



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	22.88	22.90	22.85
5	QPSK	1	12	22.71	22.72	22.69
5	QPSK	1	24	22.58	22.67	22.58
5	QPSK	12	0	21.92	21.98	21.88
5	QPSK	12	7	21.86	21.98	21.82
5	QPSK	12	13	21.82	21.93	21.76
5	QPSK	25	0	21.75	21.84	21.74
5	16QAM	1	0	22.41	22.44	22.40
5	16QAM	1	12	22.39	22.31	22.37
5	16QAM	1	24	22.30	22.23	22.29
5	16QAM	12	0	21.84	21.75	21.75
5	16QAM	12	7	21.78	21.68	21.68
5	16QAM	12	13	21.70	21.64	21.65
5	16QAM	25	0	21.65	21.58	21.60
5	64QAM	1	0	22.21	22.33	22.18
5	64QAM	1	12	22.04	22.18	22.00
5	64QAM	1	24	21.98	22.04	21.89
5	64QAM	12	0	21.56	21.66	21.54
5	64QAM	12	7	21.51	21.57	21.47
5	64QAM	12	13	21.47	21.52	21.42
5	64QAM	25	0	21.39	21.46	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				23060	23095	23130
Frequency (MHz)				704	707.5	711
10	QPSK	1	0	23.20	23.25	23.23
10	QPSK	1	25	23.03	23.04	22.94
10	QPSK	1	49	22.89	22.87	22.84
10	QPSK	25	0	22.19	22.21	22.20
10	QPSK	25	12	22.18	22.14	22.23
10	QPSK	25	25	22.11	22.08	22.18
10	QPSK	50	0	22.04	22.12	22.11
10	16QAM	1	0	22.66	22.64	22.57
10	16QAM	1	25	22.54	22.57	22.50
10	16QAM	1	49	22.49	22.42	22.44
10	16QAM	25	0	21.96	21.85	21.96
10	16QAM	25	12	21.90	21.79	21.90
10	16QAM	25	25	21.85	21.74	21.85
10	16QAM	50	0	21.79	21.81	21.80
10	64QAM	1	0	22.53	22.51	22.58
10	64QAM	1	25	22.46	22.35	22.52
10	64QAM	1	49	22.39	22.29	22.40
10	64QAM	25	0	21.97	21.82	21.94
10	64QAM	25	12	21.90	21.75	21.88
10	64QAM	25	25	21.83	21.68	21.83
10	64QAM	50	0	21.78	21.63	21.77



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	23.15	23.21	23.18
5	QPSK	1	12	22.98	23.00	22.89
5	QPSK	1	24	22.84	22.83	22.78
5	QPSK	12	0	22.16	22.17	22.15
5	QPSK	12	7	22.13	22.08	22.20
5	QPSK	12	13	22.05	22.04	22.13
5	QPSK	25	0	21.98	22.08	22.06
5	16QAM	1	0	22.62	22.61	22.51
5	16QAM	1	12	22.49	22.51	22.45
5	16QAM	1	24	22.45	22.39	22.39
5	16QAM	12	0	21.91	21.80	21.92
5	16QAM	12	7	21.85	21.73	21.87
5	16QAM	12	13	21.82	21.70	21.80
5	16QAM	25	0	21.74	21.77	21.77
5	64QAM	1	0	22.49	22.45	22.55
5	64QAM	1	12	22.41	22.30	22.49
5	64QAM	1	24	22.34	22.24	22.36
5	64QAM	12	0	21.91	21.78	21.90
5	64QAM	12	7	21.85	21.71	21.82
5	64QAM	12	13	21.79	21.63	21.78
5	64QAM	25	0	21.74	21.59	21.72



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23025	23095	23165
Frequency (MHz)				700.5	707.5	714.5
3	QPSK	1	0	23.10	23.16	23.13
3	QPSK	1	8	22.95	22.97	22.85
3	QPSK	1	14	22.80	22.78	22.75
3	QPSK	8	0	22.11	22.10	22.10
3	QPSK	8	4	22.08	22.06	22.16
3	QPSK	8	7	21.99	21.97	22.08
3	QPSK	15	0	21.96	22.02	22.05
3	16QAM	1	0	22.58	22.57	22.48
3	16QAM	1	8	22.45	22.49	22.42
3	16QAM	1	14	22.38	22.31	22.36
3	16QAM	8	0	21.88	21.76	21.86
3	16QAM	8	4	21.81	21.71	21.81
3	16QAM	8	7	21.77	21.68	21.76
3	16QAM	15	0	21.69	21.72	21.71
3	64QAM	1	0	22.45	22.40	22.48
3	64QAM	1	8	22.38	22.24	22.42
3	64QAM	1	14	22.31	22.21	22.30
3	64QAM	8	0	21.89	21.72	21.86
3	64QAM	8	4	21.81	21.67	21.82
3	64QAM	8	7	21.73	21.60	21.73
3	64QAM	15	0	21.71	21.56	21.68



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	23.05	23.12	23.09
1.4	QPSK	1	3	22.89	22.92	22.81
1.4	QPSK	1	5	22.76	22.74	22.69
1.4	QPSK	3	0	22.06	22.06	22.05
1.4	QPSK	3	1	22.02	22.01	22.11
1.4	QPSK	3	3	21.95	21.93	22.05
1.4	QPSK	6	0	21.91	21.99	22.00
1.4	16QAM	1	0	22.53	22.54	22.43
1.4	16QAM	1	3	22.40	22.44	22.37
1.4	16QAM	1	5	22.32	22.26	22.33
1.4	16QAM	3	0	21.83	21.71	21.82
1.4	16QAM	3	1	21.77	21.67	21.76
1.4	16QAM	3	3	21.72	21.62	21.70
1.4	16QAM	6	0	21.66	21.69	21.66
1.4	64QAM	1	0	22.40	22.35	22.42
1.4	64QAM	1	3	22.35	22.20	22.37
1.4	64QAM	1	5	22.26	22.18	22.24
1.4	64QAM	3	0	21.86	21.66	21.81
1.4	64QAM	3	1	21.76	21.62	21.78
1.4	64QAM	3	3	21.69	21.54	21.67
1.4	64QAM	6	0	21.68	21.50	21.63



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	23.13	23.16	23.10
10	QPSK	1	25	22.95	23.06	23.05
10	QPSK	1	49	22.83	23.01	22.93
10	QPSK	25	0	22.07	22.26	22.22
10	QPSK	25	12	22.00	22.20	22.15
10	QPSK	25	25	21.94	22.13	22.10
10	QPSK	50	0	21.88	22.06	22.03
10	16QAM	1	0	22.43	22.62	22.53
10	16QAM	1	25	22.30	22.56	22.47
10	16QAM	1	49	22.25	22.45	22.40
10	16QAM	25	0	21.55	21.77	21.75
10	16QAM	25	12	21.48	21.71	21.70
10	16QAM	25	25	21.42	21.65	21.65
10	16QAM	50	0	21.35	21.59	21.59
10	64QAM	1	0	22.27	22.50	22.38
10	64QAM	1	25	22.20	22.43	22.23
10	64QAM	1	49	22.10	22.33	22.07
10	64QAM	25	0	21.44	21.77	21.44
10	64QAM	25	12	21.39	21.72	21.38
10	64QAM	25	25	21.34	21.66	21.31
10	64QAM	50	0	21.28	21.59	21.24



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				23755	23790	23825
Frequency (MHz)				706.5	710	713.5
5	QPSK	1	0	23.04	23.07	22.99
5	QPSK	1	12	22.87	22.98	22.95
5	QPSK	1	24	22.73	22.92	22.84
5	QPSK	12	0	21.98	22.16	22.14
5	QPSK	12	7	21.91	22.11	22.06
5	QPSK	12	13	21.83	22.04	22.02
5	QPSK	25	0	21.78	21.96	21.94
5	16QAM	1	0	22.34	22.53	22.42
5	16QAM	1	12	22.21	22.48	22.37
5	16QAM	1	24	22.17	22.34	22.32
5	16QAM	12	0	21.45	21.69	21.66
5	16QAM	12	7	21.39	21.61	21.62
5	16QAM	12	13	21.32	21.54	21.55
5	16QAM	25	0	21.26	21.49	21.51
5	64QAM	1	0	22.19	22.40	22.29
5	64QAM	1	12	22.10	22.35	22.15
5	64QAM	1	24	22.00	22.24	21.96
5	64QAM	12	0	21.33	21.66	21.34
5	64QAM	12	7	21.31	21.62	21.30
5	64QAM	12	13	21.26	21.58	21.23
5	64QAM	25	0	21.19	21.50	21.16



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	22.96	23.01	23.04
5	QPSK	1	12	22.84	22.86	22.88
5	QPSK	1	24	22.70	22.68	22.75
5	QPSK	12	0	22.04	21.99	22.06
5	QPSK	12	7	21.99	21.98	22.02
5	QPSK	12	13	21.82	21.93	21.94
5	QPSK	25	0	21.85	21.79	21.88
5	16QAM	1	0	22.32	22.35	22.41
5	16QAM	1	12	22.24	22.18	22.30
5	16QAM	1	24	22.15	22.12	22.16
5	16QAM	12	0	21.57	21.54	21.66
5	16QAM	12	7	21.55	21.59	21.60
5	16QAM	12	13	21.46	21.47	21.55
5	16QAM	25	0	21.43	21.35	21.46
5	64QAM	1	0	22.18	22.21	22.28
5	64QAM	1	12	22.07	22.16	22.19
5	64QAM	1	24	21.99	22.02	22.04
5	64QAM	12	0	21.58	21.56	21.64
5	64QAM	12	7	21.52	21.47	21.57
5	64QAM	12	13	21.48	21.37	21.49
5	64QAM	25	0	21.33	21.39	21.42



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	24075	24075
Frequency (MHz)				837.5	837.5	837.5
15	QPSK	1	0	23.20	23.23	23.19
15	QPSK	1	37	23.00	23.01	23.02
15	QPSK	1	74	22.92	22.93	22.97
15	QPSK	36	0	22.21	22.22	22.18
15	QPSK	36	20	22.14	22.11	22.11
15	QPSK	36	39	22.09	22.04	22.05
15	QPSK	75	0	22.03	22.04	21.99
15	16QAM	1	0	22.57	22.50	22.53
15	16QAM	1	37	22.43	22.37	22.45
15	16QAM	1	74	22.35	22.20	22.31
15	16QAM	36	0	21.88	21.78	21.91
15	16QAM	36	20	21.83	21.71	21.84
15	16QAM	36	39	21.76	21.66	21.78
15	16QAM	75	0	21.70	21.60	21.71
15	64QAM	1	0	22.46	22.45	22.48
15	64QAM	1	37	22.36	22.40	22.34
15	64QAM	1	74	22.28	22.27	22.27
15	64QAM	36	0	21.90	21.92	21.89
15	64QAM	36	20	21.85	21.87	21.82
15	64QAM	36	39	21.78	21.81	21.77
15	64QAM	75	0	21.72	21.76	21.70



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	23.15	23.18	23.14
10	QPSK	1	25	22.95	22.95	22.99
10	QPSK	1	49	22.88	22.88	22.91
10	QPSK	25	0	22.15	22.11	22.13
10	QPSK	25	12	22.09	22.08	22.07
10	QPSK	25	25	22.06	21.99	22.00
10	QPSK	50	0	22.00	21.93	21.95
10	16QAM	1	0	22.53	22.45	22.50
10	16QAM	1	25	22.38	22.33	22.39
10	16QAM	1	49	22.32	22.15	22.26
10	16QAM	25	0	21.82	21.75	21.87
10	16QAM	25	12	21.80	21.65	21.78
10	16QAM	25	25	21.72	21.62	21.75
10	16QAM	50	0	21.64	21.57	21.68
10	64QAM	1	0	22.43	22.40	22.45
10	64QAM	1	25	22.30	22.34	22.28
10	64QAM	1	49	22.23	22.23	22.22
10	64QAM	25	0	21.86	21.87	21.84
10	64QAM	25	12	21.80	21.81	21.78
10	64QAM	25	25	21.73	21.77	21.71
10	64QAM	50	0	21.67	21.72	21.64



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	23.10	23.13	23.09
5	QPSK	1	12	22.90	22.91	22.94
5	QPSK	1	24	22.84	22.85	22.88
5	QPSK	12	0	22.12	22.08	22.09
5	QPSK	12	7	22.06	22.03	22.04
5	QPSK	12	13	22.02	21.94	21.96
5	QPSK	25	0	21.96	21.87	21.91
5	16QAM	1	0	22.50	22.42	22.47
5	16QAM	1	12	22.33	22.29	22.35
5	16QAM	1	24	22.27	22.10	22.21
5	16QAM	12	0	21.79	21.72	21.83
5	16QAM	12	7	21.74	21.60	21.74
5	16QAM	12	13	21.67	21.59	21.72
5	16QAM	25	0	21.59	21.53	21.63
5	64QAM	1	0	22.37	22.34	22.41
5	64QAM	1	12	22.25	22.30	22.23
5	64QAM	1	24	22.19	22.18	22.18
5	64QAM	12	0	21.82	21.82	21.80
5	64QAM	12	7	21.75	21.75	21.74
5	64QAM	12	13	21.69	21.73	21.66
5	64QAM	25	0	21.61	21.68	21.58



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	23.12	23.05	23.10
15	QPSK	1	37	23.02	23.01	22.99
15	QPSK	1	74	22.92	22.80	22.90
15	QPSK	36	0	22.16	22.14	22.12
15	QPSK	36	20	22.10	22.01	22.16
15	QPSK	36	39	22.03	21.94	22.10
15	QPSK	75	0	22.05	21.95	22.04
15	16QAM	1	0	22.52	22.41	22.44
15	16QAM	1	37	22.39	22.33	22.37
15	16QAM	1	74	22.26	22.16	22.26
15	16QAM	36	0	21.92	21.89	21.90
15	16QAM	36	20	21.86	21.82	21.84
15	16QAM	36	39	21.79	21.78	21.78
15	16QAM	75	0	21.73	21.65	21.71
15	64QAM	1	0	22.52	22.51	22.43
15	64QAM	1	37	22.41	22.39	22.28
15	64QAM	1	74	22.27	22.25	22.15
15	64QAM	36	0	21.89	21.83	21.77
15	64QAM	36	20	21.83	21.74	21.71
15	64QAM	36	39	21.78	21.68	21.64
15	64QAM	75	0	21.73	21.68	21.58



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	23.03	23.03	23.07
10	QPSK	1	25	22.85	22.83	22.94
10	QPSK	1	49	22.78	22.77	22.86
10	QPSK	25	0	21.98	22.03	22.06
10	QPSK	25	12	22.02	22.08	22.10
10	QPSK	25	25	22.00	22.04	22.05
10	QPSK	50	0	21.92	21.91	22.00
10	16QAM	1	0	22.26	22.30	22.38
10	16QAM	1	25	22.29	22.24	22.31
10	16QAM	1	49	22.14	22.18	22.22
10	16QAM	25	0	21.82	21.84	21.86
10	16QAM	25	12	21.68	21.77	21.78
10	16QAM	25	25	21.73	21.69	21.74
10	16QAM	50	0	21.62	21.55	21.65
10	64QAM	1	0	22.36	22.37	22.38
10	64QAM	1	25	22.14	22.12	22.23
10	64QAM	1	49	22.07	22.01	22.12
10	64QAM	25	0	21.63	21.71	21.72
10	64QAM	25	12	21.65	21.59	21.68
10	64QAM	25	25	21.55	21.49	21.59
10	64QAM	50	0	21.49	21.41	21.53



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	23.02	23.03	23.04
5	QPSK	1	12	22.81	22.81	22.91
5	QPSK	1	24	22.68	22.69	22.80
5	QPSK	12	0	21.90	21.89	22.00
5	QPSK	12	7	22.05	21.98	22.07
5	QPSK	12	13	21.98	21.94	22.02
5	QPSK	25	0	21.90	21.83	21.95
5	16QAM	1	0	22.23	22.30	22.35
5	16QAM	1	12	22.24	22.17	22.26
5	16QAM	1	24	22.10	22.17	22.19
5	16QAM	12	0	21.71	21.80	21.83
5	16QAM	12	7	21.70	21.60	21.72
5	16QAM	12	13	21.66	21.66	21.70
5	16QAM	25	0	21.59	21.53	21.61
5	64QAM	1	0	22.25	22.21	22.33
5	64QAM	1	12	22.13	22.08	22.20
5	64QAM	1	24	22.03	21.96	22.08
5	64QAM	12	0	21.61	21.65	21.69
5	64QAM	12	7	21.54	21.51	21.63
5	64QAM	12	13	21.52	21.45	21.56
5	64QAM	25	0	21.36	21.38	21.47



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	22.98	22.94	23.00
3	QPSK	1	8	22.75	22.77	22.86
3	QPSK	1	14	22.73	22.65	22.76
3	QPSK	8	0	21.92	21.92	21.94
3	QPSK	8	4	22.01	21.97	22.03
3	QPSK	8	7	21.96	21.90	21.99
3	QPSK	15	0	21.83	21.80	21.90
3	16QAM	1	0	22.22	22.29	22.31
3	16QAM	1	8	22.11	22.10	22.22
3	16QAM	1	14	22.05	22.03	22.15
3	16QAM	8	0	21.74	21.65	21.77
3	16QAM	8	4	21.56	21.65	21.68
3	16QAM	8	7	21.53	21.61	21.65
3	16QAM	15	0	21.55	21.48	21.56
3	64QAM	1	0	22.27	22.23	22.28
3	64QAM	1	8	22.15	22.10	22.17
3	64QAM	1	14	21.95	21.97	22.03
3	64QAM	8	0	21.53	21.61	21.64
3	64QAM	8	4	21.57	21.56	21.60
3	64QAM	8	7	21.41	21.39	21.51
3	64QAM	15	0	21.38	21.33	21.41



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	22.97	22.97	22.99
1.4	QPSK	1	3	22.83	22.83	22.88
1.4	QPSK	1	5	22.63	22.67	22.75
1.4	QPSK	3	0	21.94	21.93	21.95
1.4	QPSK	3	1	21.98	21.97	22.02
1.4	QPSK	3	3	21.88	21.91	21.97
1.4	QPSK	6	0	21.88	21.83	21.89
1.4	16QAM	1	0	22.20	22.24	22.30
1.4	16QAM	1	3	22.16	22.21	22.23
1.4	16QAM	1	5	22.07	22.06	22.14
1.4	16QAM	3	0	21.70	21.68	21.77
1.4	16QAM	3	1	21.66	21.60	21.67
1.4	16QAM	3	3	21.59	21.60	21.67
1.4	16QAM	6	0	21.48	21.54	21.57
1.4	64QAM	1	0	22.22	22.24	22.28
1.4	64QAM	1	3	22.07	22.06	22.15
1.4	64QAM	1	5	21.90	21.92	22.02
1.4	64QAM	3	0	21.60	21.53	21.63
1.4	64QAM	3	1	21.49	21.57	21.58
1.4	64QAM	3	3	21.48	21.39	21.51
1.4	64QAM	6	0	21.33	21.32	21.44



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	23.20	23.22	23.10
20	QPSK	1	49	22.69	22.80	22.66
20	QPSK	1	99	22.53	22.96	22.54
20	QPSK	50	0	21.97	22.09	21.88
20	QPSK	50	24	21.91	22.03	22.12
20	QPSK	50	50	21.85	21.98	21.76
20	QPSK	100	0	21.83	21.92	21.71
20	16QAM	1	0	22.28	22.41	22.29
20	16QAM	1	49	22.15	22.56	22.17
20	16QAM	1	99	22.09	22.19	22.07
20	16QAM	50	0	21.68	21.84	22.02
20	16QAM	50	24	21.62	21.78	21.65
20	16QAM	50	50	21.85	21.73	21.58
20	16QAM	100	0	21.50	21.68	21.53
20	64QAM	1	0	22.32	22.71	22.27
20	64QAM	1	49	22.17	22.31	22.16
20	64QAM	1	99	22.07	22.16	22.36
20	64QAM	50	0	21.65	21.76	21.59
20	64QAM	50	24	21.89	21.70	21.54
20	64QAM	50	50	21.52	21.64	21.47
20	64QAM	100	0	21.46	21.89	21.41



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	23.15	23.17	23.07
15	QPSK	1	37	22.64	22.75	22.62
15	QPSK	1	74	22.49	22.90	22.48
15	QPSK	36	0	21.92	22.04	21.84
15	QPSK	36	20	21.85	21.98	22.07
15	QPSK	36	39	21.82	21.93	21.71
15	QPSK	75	0	21.79	21.89	21.66
15	16QAM	1	0	22.24	22.36	22.23
15	16QAM	1	37	22.11	22.51	22.12
15	16QAM	1	74	22.05	22.16	22.03
15	16QAM	36	0	21.63	21.81	21.96
15	16QAM	36	20	21.58	21.73	21.60
15	16QAM	36	39	21.81	21.68	21.53
15	16QAM	75	0	21.45	21.64	21.49
15	64QAM	1	0	22.29	22.66	22.23
15	64QAM	1	37	22.11	22.28	22.12
15	64QAM	1	74	22.03	22.12	22.31
15	64QAM	36	0	21.61	21.71	21.54
15	64QAM	36	20	21.85	21.66	21.50
15	64QAM	36	39	21.48	21.60	21.42
15	64QAM	75	0	21.41	21.86	21.36



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	23.10	23.13	23.02
10	QPSK	1	25	22.58	22.71	22.59
10	QPSK	1	49	22.44	22.86	22.43
10	QPSK	25	0	21.87	21.98	21.79
10	QPSK	25	12	21.82	21.94	22.04
10	QPSK	25	25	21.78	21.88	21.67
10	QPSK	50	0	21.74	21.86	21.62
10	16QAM	1	0	22.18	22.30	22.17
10	16QAM	1	25	22.05	22.46	22.07
10	16QAM	1	49	21.99	22.13	21.99
10	16QAM	25	0	21.58	21.77	21.92
10	16QAM	25	12	21.53	21.68	21.54
10	16QAM	25	25	21.76	21.64	21.47
10	16QAM	50	0	21.40	21.58	21.45
10	64QAM	1	0	22.26	22.62	22.20
10	64QAM	1	25	22.05	22.25	22.07
10	64QAM	1	49	21.99	22.08	22.27
10	64QAM	25	0	21.58	21.67	21.51
10	64QAM	25	12	21.82	21.63	21.44
10	64QAM	25	25	21.43	21.54	21.39
10	64QAM	50	0	21.35	21.80	21.32



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	23.06	23.08	22.99
5	QPSK	1	12	22.53	22.65	22.53
5	QPSK	1	24	22.40	22.80	22.39
5	QPSK	12	0	21.81	21.93	21.74
5	QPSK	12	7	21.76	21.88	22.00
5	QPSK	12	13	21.73	21.84	21.64
5	QPSK	25	0	21.69	21.82	21.57
5	16QAM	1	0	22.13	22.26	22.12
5	16QAM	1	12	22.01	22.41	22.01
5	16QAM	1	24	21.93	22.09	21.95
5	16QAM	12	0	21.55	21.74	21.89
5	16QAM	12	7	21.50	21.63	21.48
5	16QAM	12	13	21.71	21.59	21.42
5	16QAM	25	0	21.35	21.54	21.40
5	64QAM	1	0	22.22	22.56	22.15
5	64QAM	1	12	22.00	22.19	22.04
5	64QAM	1	24	21.95	22.03	22.22
5	64QAM	12	0	21.52	21.62	21.47
5	64QAM	12	7	21.79	21.58	21.39
5	64QAM	12	13	21.38	21.49	21.33
5	64QAM	25	0	21.31	21.74	21.26



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	/	22.99	/
10	QPSK	1	25	/	22.78	/
10	QPSK	1	49	/	22.73	/
10	QPSK	25	0	/	21.90	/
10	QPSK	25	12	/	21.85	/
10	QPSK	25	25	/	21.78	/
10	QPSK	50	0	/	21.72	/
10	16QAM	1	0	/	22.35	/
10	16QAM	1	25	/	22.21	/
10	16QAM	1	49	/	22.12	/
10	16QAM	25	0	/	21.69	/
10	16QAM	25	12	/	21.63	/
10	16QAM	25	25	/	21.57	/
10	16QAM	50	0	/	21.52	/
10	64QAM	1	0	/	22.22	/
10	64QAM	1	25	/	22.11	/
10	64QAM	1	49	/	21.98	/
10	64QAM	25	0	/	21.54	/
10	64QAM	25	12	/	21.48	/
10	64QAM	25	25	/	21.42	/
10	64QAM	50	0	/	21.37	/



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	22.84	22.91	22.87
5	QPSK	1	12	22.73	22.65	22.72
5	QPSK	1	24	22.69	22.48	22.65
5	QPSK	12	0	21.85	21.93	21.91
5	QPSK	12	7	21.82	21.68	21.85
5	QPSK	12	13	21.74	21.61	21.79
5	QPSK	25	0	21.68	21.75	21.74
5	16QAM	1	0	22.30	22.05	22.31
5	16QAM	1	12	22.17	21.99	22.18
5	16QAM	1	24	22.06	21.87	22.09
5	16QAM	12	0	21.63	21.68	21.66
5	16QAM	12	7	21.57	21.46	21.58
5	16QAM	12	13	21.53	21.42	21.54
5	16QAM	25	0	21.49	21.32	21.47
5	64QAM	1	0	22.18	22.02	22.15
5	64QAM	1	12	22.05	21.92	22.03
5	64QAM	1	24	21.95	21.82	21.90
5	64QAM	12	0	21.51	21.63	21.52
5	64QAM	12	7	21.44	21.56	21.49
5	64QAM	12	13	21.39	21.51	21.41
5	64QAM	25	0	21.33	21.44	21.37



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	/	23.01	/
10	QPSK	1	25	/	22.85	/
10	QPSK	1	49	/	22.69	/
10	QPSK	25	0	/	21.95	/
10	QPSK	25	12	/	21.89	/
10	QPSK	25	25	/	21.83	/
10	QPSK	50	0	/	21.77	/
10	16QAM	1	0	/	22.34	/
10	16QAM	1	25	/	22.23	/
10	16QAM	1	49	/	22.12	/
10	16QAM	25	0	/	21.70	/
10	16QAM	25	12	/	21.63	/
10	16QAM	25	25	/	21.58	/
10	16QAM	50	0	/	21.52	/
10	64QAM	1	0	/	22.18	/
10	64QAM	1	25	/	22.09	/
10	64QAM	1	49	/	21.95	/
10	64QAM	25	0	/	21.58	/
10	64QAM	25	12	/	21.52	/
10	64QAM	25	25	/	21.47	/
10	64QAM	50	0	/	21.41	/



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	22.80	22.90	22.82
5	QPSK	1	12	22.68	22.61	22.67
5	QPSK	1	24	22.66	22.43	22.61
5	QPSK	12	0	21.82	21.88	21.87
5	QPSK	12	7	21.79	21.65	21.80
5	QPSK	12	13	21.71	21.55	21.74
5	QPSK	25	0	21.62	21.70	21.69
5	16QAM	1	0	22.26	22.00	22.27
5	16QAM	1	12	22.13	21.94	22.13
5	16QAM	1	24	22.02	21.82	22.05
5	16QAM	12	0	21.60	21.63	21.63
5	16QAM	12	7	21.52	21.40	21.52
5	16QAM	12	13	21.48	21.37	21.51
5	16QAM	25	0	21.45	21.28	21.44
5	64QAM	1	0	22.13	21.98	22.11
5	64QAM	1	12	22.02	21.87	21.98
5	64QAM	1	24	21.92	21.78	21.85
5	64QAM	12	0	21.46	21.58	21.49
5	64QAM	12	7	21.40	21.52	21.43
5	64QAM	12	13	21.33	21.48	21.36
5	64QAM	25	0	21.30	21.38	21.31



LTE Band 41						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39750	40620	41490
Frequency (MHz)				2506	2593	2680
20	QPSK	1	0	23.22	23.24	23.11
20	QPSK	1	49	22.96	23.03	22.86
20	QPSK	1	99	22.89	22.93	22.72
20	QPSK	50	0	22.15	22.27	22.00
20	QPSK	50	24	22.08	22.21	21.93
20	QPSK	50	50	22.01	22.15	21.86
20	QPSK	100	0	21.94	22.09	21.80
20	16QAM	1	0	22.39	22.60	22.39
20	16QAM	1	49	22.23	22.44	22.31
20	16QAM	1	99	22.16	22.35	22.16
20	16QAM	50	0	21.91	22.10	21.89
20	16QAM	50	24	21.86	22.04	21.83
20	16QAM	50	50	21.80	21.98	21.77
20	16QAM	100	0	21.73	21.93	21.71
20	64QAM	1	0	22.34	22.58	22.26
20	64QAM	1	49	22.25	22.47	22.18
20	64QAM	1	99	22.13	22.31	22.11
20	64QAM	50	0	21.88	22.01	21.78
20	64QAM	50	24	21.82	21.94	21.72
20	64QAM	50	50	21.76	21.87	21.65
20	64QAM	100	0	21.70	21.80	21.58



LTE Band 41						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39725	40620	41515
Frequency (MHz)				2503.5	2593	2682.5
15	QPSK	1	0	23.18	23.12	23.15
15	QPSK	1	37	22.92	22.91	22.93
15	QPSK	1	74	22.84	22.79	22.78
15	QPSK	36	0	22.10	22.08	22.06
15	QPSK	36	20	22.03	22.03	21.99
15	QPSK	36	39	21.96	21.94	21.94
15	QPSK	75	0	21.88	21.90	21.89
15	16QAM	1	0	22.33	22.52	22.34
15	16QAM	1	37	22.18	22.43	22.19
15	16QAM	1	74	22.12	22.27	22.05
15	16QAM	36	0	21.86	22.00	21.80
15	16QAM	36	20	21.81	21.96	21.74
15	16QAM	36	39	21.75	21.88	21.66
15	16QAM	75	0	21.70	21.83	21.60
15	64QAM	1	0	22.30	22.50	22.22
15	64QAM	1	37	22.20	22.36	22.12
15	64QAM	1	74	22.08	22.25	22.02
15	64QAM	36	0	21.82	21.90	21.70
15	64QAM	36	20	21.79	21.83	21.62
15	64QAM	36	39	21.73	21.79	21.56
15	64QAM	75	0	21.64	21.73	21.51



LTE Band 41						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39700	40620	41540
Frequency (MHz)				2501	2593	2685
10	QPSK	1	0	23.13	23.18	23.09
10	QPSK	1	25	22.86	22.87	22.88
10	QPSK	1	49	22.79	22.74	22.72
10	QPSK	25	0	22.07	22.02	22.01
10	QPSK	25	12	22.01	21.99	21.94
10	QPSK	25	25	21.92	21.89	21.89
10	QPSK	50	0	21.87	21.85	21.86
10	16QAM	1	0	22.31	22.47	22.28
10	16QAM	1	25	22.14	22.39	22.15
10	16QAM	1	49	22.08	22.23	22.00
10	16QAM	25	0	21.83	21.95	21.75
10	16QAM	25	12	21.78	21.91	21.68
10	16QAM	25	25	21.70	21.82	21.61
10	16QAM	50	0	21.65	21.78	21.57
10	64QAM	1	0	22.23	22.45	22.19
10	64QAM	1	25	22.15	22.31	22.07
10	64QAM	1	49	22.03	22.22	21.97
10	64QAM	25	0	21.80	21.84	21.67
10	64QAM	25	12	21.73	21.77	21.56
10	64QAM	25	25	21.69	21.76	21.51
10	64QAM	50	0	21.62	21.68	21.47



LTE Band 41						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39675	40620	41565
Frequency (MHz)				2498.5	2593	2687.5
5	QPSK	1	0	23.07	23.13	23.06
5	QPSK	1	12	22.81	22.81	22.86
5	QPSK	1	24	22.74	22.72	22.70
5	QPSK	12	0	22.03	21.97	21.97
5	QPSK	12	7	21.96	21.94	21.91
5	QPSK	12	13	21.87	21.87	21.85
5	QPSK	25	0	21.82	21.82	21.79
5	16QAM	1	0	22.28	22.42	22.24
5	16QAM	1	12	22.11	22.31	22.12
5	16QAM	1	24	22.03	22.19	21.96
5	16QAM	12	0	21.78	21.92	21.72
5	16QAM	12	7	21.74	21.87	21.65
5	16QAM	12	13	21.64	21.79	21.58
5	16QAM	25	0	21.60	21.74	21.51
5	64QAM	1	0	22.18	22.40	22.12
5	64QAM	1	12	22.10	22.25	22.06
5	64QAM	1	24	21.99	22.17	21.91
5	64QAM	12	0	21.76	21.81	21.63
5	64QAM	12	7	21.69	21.75	21.53
5	64QAM	12	13	21.64	21.71	21.47
5	64QAM	25	0	21.57	21.64	21.43



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132072	132322	132572
Frequency (MHz)				1720	1745	1770
20	QPSK	1	0	23.12	23.27	23.24
20	QPSK	1	49	23.02	22.95	23.06
20	QPSK	1	99	22.89	22.90	22.83
20	QPSK	50	0	22.09	22.10	22.03
20	QPSK	50	24	21.97	21.92	21.95
20	QPSK	50	50	21.96	21.91	21.92
20	QPSK	100	0	21.89	21.90	21.81
20	16QAM	1	0	22.38	22.41	22.33
20	16QAM	1	49	22.24	22.19	22.12
20	16QAM	1	99	22.09	22.13	22.06
20	16QAM	50	0	21.78	21.83	21.80
20	16QAM	50	24	21.87	21.85	21.76
20	16QAM	50	50	21.79	21.71	21.59
20	16QAM	100	0	21.76	21.67	21.64
20	64QAM	1	0	22.23	22.23	22.11
20	64QAM	1	49	22.06	22.06	22.03
20	64QAM	1	99	22.01	22.03	21.90
20	64QAM	50	0	21.73	21.75	21.64
20	64QAM	50	24	21.63	21.66	21.64
20	64QAM	50	50	21.54	21.70	21.60
20	64QAM	100	0	21.56	21.56	21.53



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132047	132322	132597
Frequency (MHz)				1717.5	1745	1772.5
15	QPSK	1	0	22.81	23.16	22.94
15	QPSK	1	37	22.94	22.84	22.94
15	QPSK	1	74	22.63	22.70	22.78
15	QPSK	36	0	21.96	22.06	21.94
15	QPSK	36	20	21.72	21.70	21.66
15	QPSK	36	39	21.86	21.84	21.71
15	QPSK	75	0	21.57	21.84	21.53
15	16QAM	1	0	22.23	22.30	22.10
15	16QAM	1	37	21.93	22.15	21.95
15	16QAM	1	74	21.88	21.87	21.84
15	16QAM	36	0	21.55	21.71	21.52
15	16QAM	36	20	21.69	21.63	21.68
15	16QAM	36	39	21.59	21.49	21.30
15	16QAM	75	0	21.45	21.39	21.59
15	64QAM	1	0	22.05	22.04	21.83
15	64QAM	1	37	21.76	21.93	21.79
15	64QAM	1	74	21.72	21.71	21.61
15	64QAM	36	0	21.55	21.46	21.59
15	64QAM	36	20	21.58	21.53	21.51
15	64QAM	36	39	21.29	21.64	21.51
15	64QAM	75	0	21.40	21.49	21.22



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132022	132322	132622
Frequency (MHz)				1715	1745	1775
10	QPSK	1	0	22.75	23.09	22.90
10	QPSK	1	25	22.88	22.79	22.88
10	QPSK	1	49	22.58	22.63	22.72
10	QPSK	25	0	21.91	22.00	21.88
10	QPSK	25	12	21.68	21.66	21.59
10	QPSK	25	25	21.80	21.80	21.67
10	QPSK	50	0	21.52	21.77	21.48
10	16QAM	1	0	22.19	22.25	22.05
10	16QAM	1	25	21.88	22.10	21.91
10	16QAM	1	49	21.83	21.82	21.77
10	16QAM	25	0	21.49	21.66	21.47
10	16QAM	25	12	21.63	21.58	21.61
10	16QAM	25	25	21.53	21.43	21.25
10	16QAM	50	0	21.38	21.32	21.53
10	64QAM	1	0	22.01	21.98	21.78
10	64QAM	1	25	21.72	21.86	21.75
10	64QAM	1	49	21.65	21.67	21.56
10	64QAM	25	0	21.49	21.39	21.54
10	64QAM	25	12	21.54	21.47	21.46
10	64QAM	25	25	21.24	21.58	21.44
10	64QAM	50	0	21.33	21.43	21.17



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				131997	132322	132647
Frequency (MHz)				1712.5	1745	1777.5
5	QPSK	1	0	22.76	23.11	22.90
5	QPSK	1	12	22.89	22.78	22.89
5	QPSK	1	24	22.59	22.66	22.74
5	QPSK	12	0	21.90	22.02	21.89
5	QPSK	12	7	21.67	21.64	21.62
5	QPSK	12	13	21.81	21.78	21.65
5	QPSK	25	0	21.50	21.79	21.47
5	16QAM	1	0	22.17	22.24	22.04
5	16QAM	1	12	21.88	22.10	21.90
5	16QAM	1	24	21.82	21.82	21.77
5	16QAM	12	0	21.50	21.66	21.46
5	16QAM	12	7	21.64	21.57	21.63
5	16QAM	12	13	21.53	21.43	21.23
5	16QAM	25	0	21.39	21.33	21.52
5	64QAM	1	0	22.01	21.98	21.79
5	64QAM	1	12	21.70	21.89	21.73
5	64QAM	1	24	21.66	21.66	21.55
5	64QAM	12	0	21.50	21.42	21.55
5	64QAM	12	7	21.52	21.48	21.46
5	64QAM	12	13	21.23	21.57	21.45
5	64QAM	25	0	21.34	21.43	21.17



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				131987	132322	132657
Frequency (MHz)				1711.5	1745	1778.5
3	QPSK	1	0	22.70	23.04	22.81
3	QPSK	1	8	22.85	22.74	22.82
3	QPSK	1	14	22.53	22.60	22.68
3	QPSK	8	0	21.87	21.94	21.82
3	QPSK	8	4	21.59	21.60	21.53
3	QPSK	8	7	21.77	21.73	21.58
3	QPSK	15	0	21.46	21.75	21.44
3	16QAM	1	0	22.11	22.17	22.00
3	16QAM	1	8	21.82	22.05	21.83
3	16QAM	1	14	21.75	21.76	21.73
3	16QAM	8	0	21.46	21.60	21.40
3	16QAM	8	4	21.59	21.51	21.58
3	16QAM	8	7	21.48	21.37	21.20
3	16QAM	15	0	21.33	21.27	21.48
3	64QAM	1	0	21.94	21.92	21.72
3	64QAM	1	8	21.63	21.81	21.70
3	64QAM	1	14	21.62	21.62	21.48
3	64QAM	8	0	21.44	21.36	21.48
3	64QAM	8	4	21.45	21.42	21.40
3	64QAM	8	7	21.20	21.54	21.40
3	64QAM	15	0	21.30	21.38	21.10



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				131979	132322	132665
Frequency (MHz)				1710.7	1745	1779.3
1.4	QPSK	1	0	22.70	23.04	22.84
1.4	QPSK	1	3	22.84	22.71	22.83
1.4	QPSK	1	5	22.54	22.61	22.68
1.4	QPSK	3	0	21.95	22.06	21.94
1.4	QPSK	3	1	21.71	21.69	21.66
1.4	QPSK	3	3	21.85	21.82	21.70
1.4	QPSK	6	0	21.45	21.72	21.43
1.4	16QAM	1	0	22.11	22.20	22.00
1.4	16QAM	1	3	21.84	22.03	21.85
1.4	16QAM	1	5	21.76	21.76	21.71
1.4	16QAM	3	0	21.45	21.61	21.42
1.4	16QAM	3	1	21.59	21.52	21.57
1.4	16QAM	3	3	21.49	21.36	21.18
1.4	16QAM	6	0	21.33	21.26	21.47
1.4	64QAM	1	0	21.94	21.93	21.75
1.4	64QAM	1	3	21.64	21.84	21.66
1.4	64QAM	1	5	21.62	21.60	21.50
1.4	64QAM	3	0	21.44	21.36	21.49
1.4	64QAM	3	1	21.46	21.43	21.41
1.4	64QAM	3	3	21.17	21.53	21.41
1.4	64QAM	6	0	21.28	21.36	21.11



Effective Radiated Power and Effective Isotropic Radiated Power:

LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18700		18900		19100	
Frequency (MHz)				1860		1880		1900	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	21.49	0.141	21.53	0.142	21.47	0.140
20	QPSK	1	49	21.28	0.134	21.33	0.136	21.30	0.135
20	QPSK	1	99	21.14	0.130	21.22	0.132	21.15	0.130
20	QPSK	50	0	20.52	0.113	20.63	0.116	20.53	0.113
20	QPSK	50	24	20.46	0.111	20.58	0.114	20.47	0.111
20	QPSK	50	50	20.40	0.110	20.53	0.113	20.40	0.110
20	QPSK	100	0	20.34	0.108	20.47	0.111	20.35	0.108
20	16QAM	1	0	20.82	0.121	20.87	0.122	20.94	0.124
20	16QAM	1	49	20.70	0.117	20.77	0.119	20.88	0.122
20	16QAM	1	99	20.58	0.114	20.67	0.117	20.79	0.120
20	16QAM	50	0	20.29	0.107	20.30	0.107	20.49	0.112
20	16QAM	50	24	20.22	0.105	20.23	0.105	20.44	0.111
20	16QAM	50	50	20.16	0.104	20.16	0.104	20.38	0.109
20	16QAM	100	0	20.09	0.102	20.10	0.102	20.33	0.108
20	64QAM	1	0	20.80	0.120	20.77	0.119	20.79	0.120
20	64QAM	1	49	20.72	0.118	20.74	0.119	20.73	0.118
20	64QAM	1	99	20.57	0.114	20.54	0.113	20.59	0.115
20	64QAM	50	0	20.32	0.108	20.27	0.106	20.39	0.109
20	64QAM	50	24	20.26	0.106	20.22	0.105	20.33	0.108
20	64QAM	50	50	20.20	0.105	20.15	0.104	20.27	0.106
20	64QAM	100	0	20.13	0.103	20.09	0.102	20.21	0.105



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	21.44	0.139	21.47	0.140	21.41	0.138
15	QPSK	1	37	21.24	0.133	21.30	0.135	21.26	0.134
15	QPSK	1	74	21.09	0.129	21.17	0.131	21.10	0.129
15	QPSK	36	0	20.46	0.111	20.59	0.115	20.49	0.112
15	QPSK	36	20	20.40	0.110	20.53	0.113	20.42	0.110
15	QPSK	36	39	20.35	0.108	20.48	0.112	20.36	0.109
15	QPSK	75	0	20.29	0.107	20.43	0.110	20.30	0.107
15	16QAM	1	0	20.78	0.120	20.83	0.121	20.88	0.122
15	16QAM	1	37	20.67	0.117	20.74	0.119	20.85	0.122
15	16QAM	1	74	20.54	0.113	20.62	0.115	20.75	0.119
15	16QAM	36	0	20.26	0.106	20.27	0.106	20.44	0.111
15	16QAM	36	20	20.17	0.104	20.20	0.105	20.41	0.110
15	16QAM	36	39	20.13	0.103	20.11	0.103	20.32	0.108
15	16QAM	75	0	20.05	0.101	20.04	0.101	20.30	0.107
15	64QAM	1	0	20.75	0.119	20.72	0.118	20.76	0.119
15	64QAM	1	37	20.68	0.117	20.69	0.117	20.68	0.117
15	64QAM	1	74	20.53	0.113	20.49	0.112	20.55	0.114
15	64QAM	36	0	20.27	0.106	20.23	0.105	20.35	0.108
15	64QAM	36	20	20.22	0.105	20.19	0.104	20.28	0.107
15	64QAM	36	39	20.15	0.104	20.09	0.102	20.23	0.105
15	64QAM	75	0	20.07	0.102	20.05	0.101	20.16	0.104



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	21.39	0.138	21.44	0.139	21.37	0.137
10	QPSK	1	25	21.18	0.131	21.25	0.133	21.20	0.132
10	QPSK	1	49	21.05	0.127	21.13	0.130	21.05	0.127
10	QPSK	25	0	20.43	0.110	20.55	0.114	20.46	0.111
10	QPSK	25	12	20.34	0.108	20.49	0.112	20.37	0.109
10	QPSK	25	25	20.31	0.107	20.43	0.110	20.32	0.108
10	QPSK	50	0	20.25	0.106	20.40	0.110	20.26	0.106
10	16QAM	1	0	20.74	0.119	20.79	0.120	20.84	0.121
10	16QAM	1	25	20.62	0.115	20.69	0.117	20.82	0.121
10	16QAM	1	49	20.49	0.112	20.59	0.115	20.71	0.118
10	16QAM	25	0	20.21	0.105	20.22	0.105	20.38	0.109
10	16QAM	25	12	20.13	0.103	20.14	0.103	20.35	0.108
10	16QAM	25	25	20.08	0.102	20.06	0.101	20.29	0.107
10	16QAM	50	0	19.99	0.100	19.98	0.100	20.25	0.106
10	64QAM	1	0	20.70	0.117	20.68	0.117	20.71	0.118
10	64QAM	1	25	20.63	0.116	20.65	0.116	20.64	0.116
10	64QAM	1	49	20.48	0.112	20.45	0.111	20.52	0.113
10	64QAM	25	0	20.23	0.105	20.20	0.105	20.31	0.107
10	64QAM	25	12	20.17	0.104	20.15	0.104	20.25	0.106
10	64QAM	25	25	20.09	0.102	20.05	0.101	20.17	0.104
10	64QAM	50	0	20.03	0.101	20.01	0.100	20.10	0.102



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	21.40	0.138	21.41	0.138	21.36	0.137
5	QPSK	1	12	21.20	0.132	21.25	0.133	21.22	0.132
5	QPSK	1	24	21.06	0.128	21.12	0.129	21.07	0.128
5	QPSK	12	0	20.43	0.110	20.55	0.114	20.44	0.111
5	QPSK	12	7	20.37	0.109	20.48	0.112	20.37	0.109
5	QPSK	12	13	20.30	0.107	20.43	0.110	20.32	0.108
5	QPSK	25	0	20.24	0.106	20.40	0.110	20.26	0.106
5	16QAM	1	0	20.74	0.119	20.77	0.119	20.84	0.121
5	16QAM	1	12	20.62	0.115	20.69	0.117	20.81	0.121
5	16QAM	1	24	20.51	0.112	20.57	0.114	20.71	0.118
5	16QAM	12	0	20.21	0.105	20.24	0.106	20.38	0.109
5	16QAM	12	7	20.13	0.103	20.17	0.104	20.35	0.108
5	16QAM	12	13	20.09	0.102	20.07	0.102	20.29	0.107
5	16QAM	25	0	20.01	0.100	20.01	0.100	20.26	0.106
5	64QAM	1	0	20.71	0.118	20.67	0.117	20.71	0.118
5	64QAM	1	12	20.65	0.116	20.65	0.116	20.63	0.116
5	64QAM	1	24	20.50	0.112	20.44	0.111	20.51	0.112
5	64QAM	12	0	20.22	0.105	20.17	0.104	20.30	0.107
5	64QAM	12	7	20.17	0.104	20.13	0.103	20.25	0.106
5	64QAM	12	13	20.12	0.103	20.06	0.101	20.19	0.104
5	64QAM	25	0	20.03	0.101	20.00	0.100	20.13	0.103



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	21.35	0.136	21.37	0.137	21.33	0.136
3	QPSK	1	8	21.16	0.131	21.20	0.132	21.18	0.131
3	QPSK	1	14	21.00	0.126	21.07	0.128	21.03	0.127
3	QPSK	8	0	20.40	0.110	20.52	0.113	20.39	0.109
3	QPSK	8	4	20.34	0.108	20.45	0.111	20.33	0.108
3	QPSK	8	7	20.27	0.106	20.38	0.109	20.28	0.107
3	QPSK	15	0	20.20	0.105	20.36	0.109	20.22	0.105
3	16QAM	1	0	20.69	0.117	20.72	0.118	20.79	0.120
3	16QAM	1	8	20.58	0.114	20.64	0.116	20.76	0.119
3	16QAM	1	14	20.46	0.111	20.53	0.113	20.68	0.117
3	16QAM	8	0	20.16	0.104	20.18	0.104	20.35	0.108
3	16QAM	8	4	20.09	0.102	20.12	0.103	20.31	0.107
3	16QAM	8	7	20.03	0.101	20.03	0.101	20.24	0.106
3	16QAM	15	0	19.98	0.100	19.97	0.099	20.22	0.105
3	64QAM	1	0	20.67	0.117	20.62	0.115	20.67	0.117
3	64QAM	1	8	20.61	0.115	20.60	0.115	20.58	0.114
3	64QAM	1	14	20.46	0.111	20.40	0.110	20.46	0.111
3	64QAM	8	0	20.17	0.104	20.14	0.103	20.27	0.106
3	64QAM	8	4	20.11	0.103	20.07	0.102	20.21	0.105
3	64QAM	8	7	20.08	0.102	20.01	0.100	20.15	0.104
3	64QAM	15	0	19.99	0.100	19.96	0.099	20.09	0.102



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	21.31	0.135	21.31	0.135	21.27	0.134
1.4	QPSK	1	3	21.13	0.130	21.16	0.131	21.15	0.130
1.4	QPSK	1	5	21.00	0.126	21.04	0.127	20.99	0.126
1.4	QPSK	3	0	20.35	0.108	20.47	0.111	20.37	0.109
1.4	QPSK	3	1	20.26	0.106	20.41	0.110	20.28	0.107
1.4	QPSK	3	3	20.22	0.105	20.34	0.108	20.26	0.106
1.4	QPSK	6	0	20.15	0.104	20.32	0.108	20.17	0.104
1.4	16QAM	1	0	20.62	0.115	20.69	0.117	20.76	0.119
1.4	16QAM	1	3	20.53	0.113	20.59	0.115	20.70	0.117
1.4	16QAM	1	5	20.42	0.110	20.49	0.112	20.63	0.116
1.4	16QAM	3	0	20.12	0.103	20.16	0.104	20.26	0.106
1.4	16QAM	3	1	20.03	0.101	20.09	0.102	20.23	0.105
1.4	16QAM	3	3	20.01	0.100	19.99	0.100	20.22	0.105
1.4	16QAM	6	0	19.93	0.098	19.92	0.098	20.18	0.104
1.4	64QAM	1	0	20.62	0.115	20.57	0.114	20.60	0.115
1.4	64QAM	1	3	20.57	0.114	20.55	0.114	20.53	0.113
1.4	64QAM	1	5	20.40	0.110	20.36	0.109	20.43	0.110
1.4	64QAM	3	0	20.15	0.104	20.09	0.102	20.20	0.105
1.4	64QAM	3	1	20.06	0.101	20.04	0.101	20.14	0.103
1.4	64QAM	3	3	20.05	0.101	19.99	0.100	20.11	0.103
1.4	64QAM	6	0	19.94	0.099	19.92	0.098	20.02	0.100



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	21.68	0.147	21.72	0.149	21.70	0.148
20	QPSK	1	49	21.48	0.141	21.44	0.139	21.51	0.142
20	QPSK	1	99	21.37	0.137	21.34	0.136	21.35	0.136
20	QPSK	50	0	20.64	0.116	20.65	0.116	20.63	0.116
20	QPSK	50	24	20.58	0.114	20.53	0.113	20.57	0.114
20	QPSK	50	50	20.53	0.113	20.46	0.111	20.51	0.112
20	QPSK	100	0	20.47	0.111	20.49	0.112	20.46	0.111
20	16QAM	1	0	20.98	0.125	20.99	0.126	20.90	0.123
20	16QAM	1	49	20.85	0.122	20.84	0.121	20.77	0.119
20	16QAM	1	99	20.73	0.118	20.75	0.119	20.67	0.117
20	16QAM	50	0	20.48	0.112	20.46	0.111	20.37	0.109
20	16QAM	50	24	20.43	0.110	20.40	0.110	20.31	0.107
20	16QAM	50	50	20.36	0.109	20.34	0.108	20.25	0.106
20	16QAM	100	0	20.30	0.107	20.27	0.106	20.18	0.104
20	64QAM	1	0	20.80	0.120	20.89	0.123	20.74	0.119
20	64QAM	1	49	20.70	0.117	20.72	0.118	20.66	0.116
20	64QAM	1	99	20.63	0.116	20.63	0.116	20.53	0.113
20	64QAM	50	0	20.52	0.113	20.58	0.114	20.46	0.111
20	64QAM	50	24	20.46	0.111	20.52	0.113	20.40	0.110
20	64QAM	50	50	20.40	0.110	20.47	0.111	20.35	0.108
20	64QAM	100	0	20.34	0.108	20.40	0.110	20.29	0.107



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	21.64	0.146	21.67	0.147	21.65	0.146
15	QPSK	1	37	21.43	0.139	21.41	0.138	21.47	0.140
15	QPSK	1	74	21.31	0.135	21.30	0.135	21.29	0.135
15	QPSK	36	0	20.60	0.115	20.60	0.115	20.58	0.114
15	QPSK	36	20	20.53	0.113	20.49	0.112	20.51	0.112
15	QPSK	36	39	20.48	0.112	20.41	0.110	20.48	0.112
15	QPSK	75	0	20.44	0.111	20.45	0.111	20.43	0.110
15	16QAM	1	0	20.95	0.124	20.93	0.124	20.87	0.122
15	16QAM	1	37	20.81	0.121	20.79	0.120	20.72	0.118
15	16QAM	1	74	20.69	0.117	20.69	0.117	20.64	0.116
15	16QAM	36	0	20.43	0.110	20.40	0.110	20.33	0.108
15	16QAM	36	20	20.40	0.110	20.36	0.109	20.25	0.106
15	16QAM	36	39	20.33	0.108	20.28	0.107	20.21	0.105
15	16QAM	75	0	20.26	0.106	20.21	0.105	20.14	0.103
15	64QAM	1	0	20.76	0.119	20.86	0.122	20.71	0.118
15	64QAM	1	37	20.64	0.116	20.67	0.117	20.60	0.115
15	64QAM	1	74	20.58	0.114	20.58	0.114	20.48	0.112
15	64QAM	36	0	20.47	0.111	20.52	0.113	20.40	0.110
15	64QAM	36	20	20.41	0.110	20.47	0.111	20.36	0.109
15	64QAM	36	39	20.37	0.109	20.44	0.111	20.32	0.108
15	64QAM	75	0	20.29	0.107	20.36	0.109	20.24	0.106



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	21.63	0.146	21.67	0.147	21.66	0.147
10	QPSK	1	25	21.43	0.139	21.40	0.138	21.48	0.141
10	QPSK	1	49	21.33	0.136	21.29	0.135	21.32	0.136
10	QPSK	25	0	20.59	0.115	20.61	0.115	20.59	0.115
10	QPSK	25	12	20.53	0.113	20.50	0.112	20.53	0.113
10	QPSK	25	25	20.49	0.112	20.41	0.110	20.46	0.111
10	QPSK	50	0	20.41	0.110	20.43	0.110	20.41	0.110
10	16QAM	1	0	20.93	0.124	20.94	0.124	20.86	0.122
10	16QAM	1	25	20.81	0.121	20.81	0.121	20.73	0.118
10	16QAM	1	49	20.69	0.117	20.69	0.117	20.63	0.116
10	16QAM	25	0	20.45	0.111	20.42	0.110	20.32	0.108
10	16QAM	25	12	20.40	0.110	20.36	0.109	20.27	0.106
10	16QAM	25	25	20.32	0.108	20.29	0.107	20.20	0.105
10	16QAM	50	0	20.26	0.106	20.22	0.105	20.12	0.103
10	64QAM	1	0	20.75	0.119	20.85	0.122	20.69	0.117
10	64QAM	1	25	20.65	0.116	20.68	0.117	20.61	0.115
10	64QAM	1	49	20.59	0.115	20.58	0.114	20.49	0.112
10	64QAM	25	0	20.49	0.112	20.55	0.114	20.41	0.110
10	64QAM	25	12	20.42	0.110	20.49	0.112	20.36	0.109
10	64QAM	25	25	20.36	0.109	20.44	0.111	20.32	0.108
10	64QAM	50	0	20.30	0.107	20.35	0.108	20.26	0.106



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	21.58	0.144	21.63	0.146	21.61	0.145
5	QPSK	1	12	21.39	0.138	21.34	0.136	21.44	0.139
5	QPSK	1	24	21.27	0.134	21.23	0.133	21.29	0.135
5	QPSK	12	0	20.56	0.114	20.56	0.114	20.55	0.114
5	QPSK	12	7	20.48	0.112	20.46	0.111	20.49	0.112
5	QPSK	12	13	20.43	0.110	20.38	0.109	20.43	0.110
5	QPSK	25	0	20.35	0.108	20.38	0.109	20.37	0.109
5	16QAM	1	0	20.88	0.122	20.89	0.123	20.83	0.121
5	16QAM	1	12	20.78	0.120	20.76	0.119	20.68	0.117
5	16QAM	1	24	20.65	0.116	20.64	0.116	20.59	0.115
5	16QAM	12	0	20.39	0.109	20.36	0.109	20.29	0.107
5	16QAM	12	7	20.36	0.109	20.31	0.107	20.22	0.105
5	16QAM	12	13	20.26	0.106	20.24	0.106	20.16	0.104
5	16QAM	25	0	20.22	0.105	20.18	0.104	20.06	0.101
5	64QAM	1	0	20.72	0.118	20.80	0.120	20.65	0.116
5	64QAM	1	12	20.60	0.115	20.64	0.116	20.57	0.114
5	64QAM	1	24	20.56	0.114	20.53	0.113	20.45	0.111
5	64QAM	12	0	20.44	0.111	20.50	0.112	20.36	0.109
5	64QAM	12	7	20.38	0.109	20.44	0.111	20.31	0.107
5	64QAM	12	13	20.31	0.107	20.40	0.110	20.27	0.106
5	64QAM	25	0	20.25	0.106	20.30	0.107	20.21	0.105



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19965		20175		20385	
Frequency (MHz)				1711.5		1732.5		1753.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	21.58	0.144	21.61	0.145	21.61	0.145
3	QPSK	1	8	21.38	0.137	21.35	0.136	21.43	0.139
3	QPSK	1	14	21.30	0.135	21.25	0.133	21.28	0.134
3	QPSK	8	0	20.53	0.113	20.56	0.114	20.56	0.114
3	QPSK	8	4	20.47	0.111	20.45	0.111	20.49	0.112
3	QPSK	8	7	20.43	0.110	20.37	0.109	20.42	0.110
3	QPSK	15	0	20.36	0.109	20.38	0.109	20.36	0.109
3	16QAM	1	0	20.90	0.123	20.89	0.123	20.83	0.121
3	16QAM	1	8	20.78	0.120	20.77	0.119	20.69	0.117
3	16QAM	1	14	20.64	0.116	20.64	0.116	20.58	0.114
3	16QAM	8	0	20.42	0.110	20.39	0.109	20.27	0.106
3	16QAM	8	4	20.35	0.108	20.32	0.108	20.22	0.105
3	16QAM	8	7	20.27	0.106	20.25	0.106	20.17	0.104
3	16QAM	15	0	20.21	0.105	20.19	0.104	20.09	0.102
3	64QAM	1	0	20.70	0.117	20.81	0.121	20.65	0.116
3	64QAM	1	8	20.61	0.115	20.64	0.116	20.55	0.114
3	64QAM	1	14	20.56	0.114	20.55	0.114	20.46	0.111
3	64QAM	8	0	20.45	0.111	20.49	0.112	20.37	0.109
3	64QAM	8	4	20.38	0.109	20.44	0.111	20.33	0.108
3	64QAM	8	7	20.32	0.108	20.41	0.110	20.26	0.106
3	64QAM	15	0	20.25	0.106	20.30	0.107	20.20	0.105



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19957		20175		20393	
Frequency (MHz)				1710.7		1732.5		1754.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	21.52	0.142	21.58	0.144	21.56	0.143
1.4	QPSK	1	3	21.33	0.136	21.30	0.135	21.39	0.138
1.4	QPSK	1	5	21.25	0.133	21.21	0.132	21.24	0.133
1.4	QPSK	3	0	20.49	0.112	20.51	0.112	20.52	0.113
1.4	QPSK	3	1	20.42	0.110	20.41	0.110	20.43	0.110
1.4	QPSK	3	3	20.38	0.109	20.32	0.108	20.36	0.109
1.4	QPSK	6	0	20.31	0.107	20.34	0.108	20.31	0.107
1.4	16QAM	1	0	20.87	0.122	20.84	0.121	20.77	0.119
1.4	16QAM	1	3	20.74	0.119	20.72	0.118	20.64	0.116
1.4	16QAM	1	5	20.60	0.115	20.60	0.115	20.53	0.113
1.4	16QAM	3	0	20.39	0.109	20.36	0.109	20.23	0.105
1.4	16QAM	3	1	20.31	0.107	20.27	0.106	20.18	0.104
1.4	16QAM	3	3	20.23	0.105	20.20	0.105	20.11	0.103
1.4	16QAM	6	0	20.15	0.104	20.13	0.103	20.06	0.101
1.4	64QAM	1	0	20.67	0.117	20.75	0.119	20.61	0.115
1.4	64QAM	1	3	20.56	0.114	20.61	0.115	20.49	0.112
1.4	64QAM	1	5	20.51	0.112	20.51	0.112	20.43	0.110
1.4	64QAM	3	0	20.41	0.110	20.44	0.111	20.34	0.108
1.4	64QAM	3	1	20.35	0.108	20.41	0.110	20.29	0.107
1.4	64QAM	3	3	20.27	0.106	20.38	0.109	20.21	0.105
1.4	64QAM	6	0	20.20	0.105	20.26	0.106	20.16	0.104



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20450		20525		20600	
Frequency (MHz)				829		836.5		844	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	17.54	0.057	17.64	0.058	17.62	0.058
10	QPSK	1	25	17.30	0.054	17.35	0.054	17.37	0.055
10	QPSK	1	49	17.14	0.052	17.29	0.054	17.28	0.053
10	QPSK	25	0	16.56	0.045	16.73	0.047	16.71	0.047
10	QPSK	25	12	16.50	0.045	16.63	0.046	16.65	0.046
10	QPSK	25	25	16.43	0.044	16.57	0.045	16.58	0.045
10	QPSK	50	0	16.38	0.043	16.54	0.045	16.52	0.045
10	16QAM	1	0	17.04	0.051	17.14	0.052	17.11	0.051
10	16QAM	1	25	16.92	0.049	16.95	0.050	16.96	0.050
10	16QAM	1	49	16.75	0.047	16.82	0.048	16.80	0.048
10	16QAM	25	0	16.35	0.043	16.43	0.044	16.42	0.044
10	16QAM	25	12	16.29	0.043	16.37	0.043	16.35	0.043
10	16QAM	25	25	16.23	0.042	16.31	0.043	16.29	0.043
10	16QAM	50	0	16.18	0.041	16.25	0.042	16.24	0.042
10	64QAM	1	0	16.66	0.046	16.80	0.048	16.79	0.048
10	64QAM	1	25	16.59	0.046	16.61	0.046	16.71	0.047
10	64QAM	1	49	16.44	0.044	16.47	0.044	16.57	0.045
10	64QAM	25	0	16.29	0.043	16.35	0.043	16.52	0.045
10	64QAM	25	12	16.24	0.042	16.28	0.042	16.46	0.044
10	64QAM	25	25	16.17	0.041	16.23	0.042	16.39	0.044
10	64QAM	50	0	16.11	0.041	16.17	0.041	16.32	0.043



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20425		20525		20625	
Frequency (MHz)				826.5		836.5		846.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	17.49	0.056	17.60	0.058	17.57	0.057
5	QPSK	1	12	17.26	0.053	17.30	0.054	17.31	0.054
5	QPSK	1	24	17.09	0.051	17.26	0.053	17.22	0.053
5	QPSK	12	0	16.50	0.045	16.68	0.047	16.66	0.046
5	QPSK	12	7	16.46	0.044	16.57	0.045	16.60	0.046
5	QPSK	12	13	16.38	0.043	16.53	0.045	16.54	0.045
5	QPSK	25	0	16.34	0.043	16.48	0.044	16.48	0.044
5	16QAM	1	0	16.99	0.050	17.08	0.051	17.06	0.051
5	16QAM	1	12	16.88	0.049	16.90	0.049	16.92	0.049
5	16QAM	1	24	16.70	0.047	16.78	0.048	16.75	0.047
5	16QAM	12	0	16.31	0.043	16.40	0.044	16.38	0.043
5	16QAM	12	7	16.26	0.042	16.32	0.043	16.32	0.043
5	16QAM	12	13	16.19	0.042	16.26	0.042	16.25	0.042
5	16QAM	25	0	16.13	0.041	16.20	0.042	16.20	0.042
5	64QAM	1	0	16.63	0.046	16.75	0.047	16.73	0.047
5	64QAM	1	12	16.56	0.045	16.56	0.045	16.68	0.047
5	64QAM	1	24	16.39	0.044	16.42	0.044	16.52	0.045
5	64QAM	12	0	16.23	0.042	16.32	0.043	16.48	0.044
5	64QAM	12	7	16.19	0.042	16.24	0.042	16.41	0.044
5	64QAM	12	13	16.14	0.041	16.18	0.041	16.34	0.043
5	64QAM	25	0	16.08	0.041	16.13	0.041	16.27	0.042



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20415		20525		20635	
Frequency (MHz)				825.5		836.5		847.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	17.48	0.056	17.60	0.058	17.56	0.057
3	QPSK	1	8	17.24	0.053	17.30	0.054	17.32	0.054
3	QPSK	1	14	17.08	0.051	17.24	0.053	17.24	0.053
3	QPSK	8	0	16.51	0.045	16.70	0.047	16.67	0.046
3	QPSK	8	4	16.47	0.044	16.59	0.046	16.60	0.046
3	QPSK	8	7	16.37	0.043	16.51	0.045	16.53	0.045
3	QPSK	15	0	16.33	0.043	16.48	0.044	16.49	0.045
3	16QAM	1	0	16.99	0.050	17.08	0.051	17.08	0.051
3	16QAM	1	8	16.87	0.049	16.90	0.049	16.92	0.049
3	16QAM	1	14	16.69	0.047	16.78	0.048	16.75	0.047
3	16QAM	8	0	16.31	0.043	16.39	0.044	16.37	0.043
3	16QAM	8	4	16.23	0.042	16.34	0.043	16.31	0.043
3	16QAM	8	7	16.19	0.042	16.27	0.042	16.25	0.042
3	16QAM	15	0	16.15	0.041	16.22	0.042	16.20	0.042
3	64QAM	1	0	16.63	0.046	16.75	0.047	16.75	0.047
3	64QAM	1	8	16.55	0.045	16.55	0.045	16.67	0.046
3	64QAM	1	14	16.40	0.044	16.41	0.044	16.54	0.045
3	64QAM	8	0	16.24	0.042	16.30	0.043	16.47	0.044
3	64QAM	8	4	16.20	0.042	16.23	0.042	16.42	0.044
3	64QAM	8	7	16.12	0.041	16.19	0.042	16.35	0.043
3	64QAM	15	0	16.06	0.040	16.14	0.041	16.28	0.042



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20407		20525		20643	
Frequency (MHz)				824.7		836.5		848.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	17.40	0.055	17.51	0.056	17.47	0.056
1.4	QPSK	1	3	17.14	0.052	17.22	0.053	17.23	0.053
1.4	QPSK	1	5	16.98	0.050	17.14	0.052	17.16	0.052
1.4	QPSK	3	0	16.41	0.044	16.59	0.046	16.58	0.045
1.4	QPSK	3	1	16.38	0.043	16.51	0.045	16.51	0.045
1.4	QPSK	3	3	16.28	0.042	16.41	0.044	16.42	0.044
1.4	QPSK	6	0	16.24	0.042	16.39	0.044	16.40	0.044
1.4	16QAM	1	0	16.89	0.049	16.98	0.050	16.97	0.050
1.4	16QAM	1	3	16.78	0.048	16.81	0.048	16.82	0.048
1.4	16QAM	1	5	16.61	0.046	16.68	0.047	16.65	0.046
1.4	16QAM	3	0	16.21	0.042	16.28	0.042	16.27	0.042
1.4	16QAM	3	1	16.13	0.041	16.25	0.042	16.22	0.042
1.4	16QAM	3	3	16.09	0.041	16.18	0.041	16.15	0.041
1.4	16QAM	6	0	16.04	0.040	16.12	0.041	16.11	0.041
1.4	64QAM	1	0	16.54	0.045	16.65	0.046	16.65	0.046
1.4	64QAM	1	3	16.46	0.044	16.45	0.044	16.57	0.045
1.4	64QAM	1	5	16.30	0.043	16.31	0.043	16.45	0.044
1.4	64QAM	3	0	16.15	0.041	16.21	0.042	16.39	0.044
1.4	64QAM	3	1	16.11	0.041	16.13	0.041	16.33	0.043
1.4	64QAM	3	3	16.02	0.040	16.10	0.041	16.25	0.042
1.4	64QAM	6	0	15.95	0.039	16.04	0.040	16.19	0.042



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	21.37	0.137	21.39	0.138	21.34	0.136
20	QPSK	1	49	21.18	0.131	21.21	0.132	21.19	0.132
20	QPSK	1	99	21.05	0.127	21.14	0.130	21.05	0.127
20	QPSK	50	0	20.40	0.110	20.50	0.112	20.39	0.109
20	QPSK	50	24	20.35	0.108	20.44	0.111	20.33	0.108
20	QPSK	50	50	20.29	0.107	20.39	0.109	20.27	0.106
20	QPSK	100	0	20.22	0.105	20.33	0.108	20.21	0.105
20	16QAM	1	0	20.92	0.124	20.93	0.124	20.90	0.123
20	16QAM	1	49	20.87	0.122	20.80	0.120	20.84	0.121
20	16QAM	1	99	20.80	0.120	20.74	0.119	20.74	0.119
20	16QAM	50	0	20.33	0.108	20.23	0.105	20.24	0.106
20	16QAM	50	24	20.28	0.107	20.18	0.104	20.19	0.104
20	16QAM	50	50	20.21	0.105	20.12	0.103	20.14	0.103
20	16QAM	100	0	20.14	0.103	20.05	0.101	20.08	0.102
20	64QAM	1	0	20.68	0.117	20.83	0.121	20.65	0.116
20	64QAM	1	49	20.52	0.113	20.67	0.117	20.50	0.112
20	64QAM	1	99	20.46	0.111	20.52	0.113	20.37	0.109
20	64QAM	50	0	20.05	0.101	20.12	0.103	20.03	0.101
20	64QAM	50	24	19.99	0.100	20.07	0.102	19.96	0.099
20	64QAM	50	50	19.93	0.098	20.00	0.100	19.90	0.098
20	64QAM	100	0	19.87	0.097	19.94	0.099	19.83	0.096



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20825		21100		21375	
Frequency (MHz)				2507.5		2535		2562.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	21.33	0.136	21.33	0.136	21.30	0.135
15	QPSK	1	37	21.12	0.129	21.15	0.130	21.14	0.130
15	QPSK	1	74	21.01	0.126	21.10	0.129	21.01	0.126
15	QPSK	36	0	20.37	0.109	20.45	0.111	20.34	0.108
15	QPSK	36	20	20.31	0.107	20.41	0.110	20.27	0.106
15	QPSK	36	39	20.24	0.106	20.36	0.109	20.21	0.105
15	QPSK	75	0	20.19	0.104	20.29	0.107	20.16	0.104
15	16QAM	1	0	20.87	0.122	20.87	0.122	20.85	0.122
15	16QAM	1	37	20.82	0.121	20.75	0.119	20.81	0.121
15	16QAM	1	74	20.75	0.119	20.69	0.117	20.71	0.118
15	16QAM	36	0	20.29	0.107	20.19	0.104	20.19	0.104
15	16QAM	36	20	20.22	0.105	20.13	0.103	20.15	0.104
15	16QAM	36	39	20.16	0.104	20.08	0.102	20.09	0.102
15	16QAM	75	0	20.09	0.102	20.02	0.100	20.04	0.101
15	64QAM	1	0	20.64	0.116	20.77	0.119	20.62	0.115
15	64QAM	1	37	20.48	0.112	20.61	0.115	20.45	0.111
15	64QAM	1	74	20.43	0.110	20.46	0.111	20.32	0.108
15	64QAM	36	0	20.01	0.100	20.09	0.102	19.97	0.099
15	64QAM	36	20	19.96	0.099	20.01	0.100	19.91	0.098
15	64QAM	36	39	19.89	0.097	19.97	0.099	19.86	0.097
15	64QAM	75	0	19.81	0.096	19.90	0.098	19.80	0.095



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	21.28	0.134	21.29	0.135	21.25	0.133
10	QPSK	1	25	21.09	0.129	21.10	0.129	21.09	0.129
10	QPSK	1	49	20.97	0.125	21.07	0.128	20.97	0.125
10	QPSK	25	0	20.33	0.108	20.39	0.109	20.29	0.107
10	QPSK	25	12	20.26	0.106	20.37	0.109	20.23	0.105
10	QPSK	25	25	20.20	0.105	20.31	0.107	20.16	0.104
10	QPSK	50	0	20.14	0.103	20.25	0.106	20.13	0.103
10	16QAM	1	0	20.82	0.121	20.82	0.121	20.80	0.120
10	16QAM	1	25	20.77	0.119	20.70	0.117	20.75	0.119
10	16QAM	1	49	20.69	0.117	20.64	0.116	20.67	0.117
10	16QAM	25	0	20.23	0.105	20.13	0.103	20.15	0.104
10	16QAM	25	12	20.17	0.104	20.07	0.102	20.09	0.102
10	16QAM	25	25	20.10	0.102	20.04	0.101	20.04	0.101
10	16QAM	50	0	20.05	0.101	19.98	0.100	20.00	0.100
10	64QAM	1	0	20.60	0.115	20.72	0.118	20.58	0.114
10	64QAM	1	25	20.45	0.111	20.57	0.114	20.41	0.110
10	64QAM	1	49	20.38	0.109	20.43	0.110	20.27	0.106
10	64QAM	25	0	19.96	0.099	20.05	0.101	19.92	0.098
10	64QAM	25	12	19.90	0.098	19.97	0.099	19.87	0.097
10	64QAM	25	25	19.86	0.097	19.91	0.098	19.82	0.096
10	64QAM	50	0	19.77	0.095	19.84	0.096	19.75	0.094



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	21.23	0.133	21.25	0.133	21.20	0.132
5	QPSK	1	12	21.06	0.128	21.07	0.128	21.04	0.127
5	QPSK	1	24	20.93	0.124	21.02	0.126	20.93	0.124
5	QPSK	12	0	20.27	0.106	20.33	0.108	20.23	0.105
5	QPSK	12	7	20.21	0.105	20.33	0.108	20.17	0.104
5	QPSK	12	13	20.17	0.104	20.28	0.107	20.11	0.103
5	QPSK	25	0	20.10	0.102	20.19	0.104	20.09	0.102
5	16QAM	1	0	20.76	0.119	20.79	0.120	20.75	0.119
5	16QAM	1	12	20.74	0.119	20.66	0.116	20.72	0.118
5	16QAM	1	24	20.65	0.116	20.58	0.114	20.64	0.116
5	16QAM	12	0	20.19	0.104	20.10	0.102	20.10	0.102
5	16QAM	12	7	20.13	0.103	20.03	0.101	20.03	0.101
5	16QAM	12	13	20.05	0.101	19.99	0.100	20.00	0.100
5	16QAM	25	0	20.00	0.100	19.93	0.098	19.95	0.099
5	64QAM	1	0	20.56	0.114	20.68	0.117	20.53	0.113
5	64QAM	1	12	20.39	0.109	20.53	0.113	20.35	0.108
5	64QAM	1	24	20.33	0.108	20.39	0.109	20.24	0.106
5	64QAM	12	0	19.91	0.098	20.01	0.100	19.89	0.097
5	64QAM	12	7	19.86	0.097	19.92	0.098	19.82	0.096
5	64QAM	12	13	19.82	0.096	19.87	0.097	19.77	0.095
5	64QAM	25	0	19.74	0.094	19.81	0.096	19.72	0.094



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	16.35	0.043	16.40	0.044	16.38	0.043
10	QPSK	1	25	16.18	0.041	16.19	0.042	16.09	0.041
10	QPSK	1	49	16.04	0.040	16.02	0.040	15.99	0.040
10	QPSK	25	0	15.34	0.034	15.36	0.034	15.35	0.034
10	QPSK	25	12	15.33	0.034	15.29	0.034	15.38	0.035
10	QPSK	25	25	15.26	0.034	15.23	0.033	15.33	0.034
10	QPSK	50	0	15.19	0.033	15.27	0.034	15.26	0.034
10	16QAM	1	0	15.81	0.038	15.79	0.038	15.72	0.037
10	16QAM	1	25	15.69	0.037	15.72	0.037	15.65	0.037
10	16QAM	1	49	15.64	0.037	15.57	0.036	15.59	0.036
10	16QAM	25	0	15.11	0.032	15.00	0.032	15.11	0.032
10	16QAM	25	12	15.05	0.032	14.94	0.031	15.05	0.032
10	16QAM	25	25	15.00	0.032	14.89	0.031	15.00	0.032
10	16QAM	50	0	14.94	0.031	14.96	0.031	14.95	0.031
10	64QAM	1	0	15.68	0.037	15.66	0.037	15.73	0.037
10	64QAM	1	25	15.61	0.036	15.50	0.035	15.67	0.037
10	64QAM	1	49	15.54	0.036	15.44	0.035	15.55	0.036
10	64QAM	25	0	15.12	0.033	14.97	0.031	15.09	0.032
10	64QAM	25	12	15.05	0.032	14.90	0.031	15.03	0.032
10	64QAM	25	25	14.98	0.031	14.83	0.030	14.98	0.031
10	64QAM	50	0	14.93	0.031	14.78	0.030	14.92	0.031



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	16.30	0.043	16.36	0.043	16.33	0.043
5	QPSK	1	12	16.13	0.041	16.15	0.041	16.04	0.040
5	QPSK	1	24	15.99	0.040	15.98	0.040	15.93	0.039
5	QPSK	12	0	15.31	0.034	15.32	0.034	15.30	0.034
5	QPSK	12	7	15.28	0.034	15.23	0.033	15.35	0.034
5	QPSK	12	13	15.20	0.033	15.19	0.033	15.28	0.034
5	QPSK	25	0	15.13	0.033	15.23	0.033	15.21	0.033
5	16QAM	1	0	15.77	0.038	15.76	0.038	15.66	0.037
5	16QAM	1	12	15.64	0.037	15.66	0.037	15.60	0.036
5	16QAM	1	24	15.60	0.036	15.54	0.036	15.54	0.036
5	16QAM	12	0	15.06	0.032	14.95	0.031	15.07	0.032
5	16QAM	12	7	15.00	0.032	14.88	0.031	15.02	0.032
5	16QAM	12	13	14.97	0.031	14.85	0.031	14.95	0.031
5	16QAM	25	0	14.89	0.031	14.92	0.031	14.92	0.031
5	64QAM	1	0	15.64	0.037	15.60	0.036	15.70	0.037
5	64QAM	1	12	15.56	0.036	15.45	0.035	15.64	0.037
5	64QAM	1	24	15.49	0.035	15.39	0.035	15.51	0.036
5	64QAM	12	0	15.06	0.032	14.93	0.031	15.05	0.032
5	64QAM	12	7	15.00	0.032	14.86	0.031	14.97	0.031
5	64QAM	12	13	14.94	0.031	14.78	0.030	14.93	0.031
5	64QAM	25	0	14.89	0.031	14.74	0.030	14.87	0.031



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	16.25	0.042	16.31	0.043	16.28	0.042
3	QPSK	1	8	16.10	0.041	16.12	0.041	16.00	0.040
3	QPSK	1	14	15.95	0.039	15.93	0.039	15.90	0.039
3	QPSK	8	0	15.26	0.034	15.25	0.033	15.25	0.033
3	QPSK	8	4	15.23	0.033	15.21	0.033	15.31	0.034
3	QPSK	8	7	15.14	0.033	15.12	0.033	15.23	0.033
3	QPSK	15	0	15.11	0.032	15.17	0.033	15.20	0.033
3	16QAM	1	0	15.73	0.037	15.72	0.037	15.63	0.037
3	16QAM	1	8	15.60	0.036	15.64	0.037	15.57	0.036
3	16QAM	1	14	15.53	0.036	15.46	0.035	15.51	0.036
3	16QAM	8	0	15.03	0.032	14.91	0.031	15.01	0.032
3	16QAM	8	4	14.96	0.031	14.86	0.031	14.96	0.031
3	16QAM	8	7	14.92	0.031	14.83	0.030	14.91	0.031
3	16QAM	15	0	14.84	0.030	14.87	0.031	14.86	0.031
3	64QAM	1	0	15.60	0.036	15.55	0.036	15.63	0.037
3	64QAM	1	8	15.53	0.036	15.39	0.035	15.57	0.036
3	64QAM	1	14	15.46	0.035	15.36	0.034	15.45	0.035
3	64QAM	8	0	15.04	0.032	14.87	0.031	15.01	0.032
3	64QAM	8	4	14.96	0.031	14.82	0.030	14.97	0.031
3	64QAM	8	7	14.88	0.031	14.75	0.030	14.88	0.031
3	64QAM	15	0	14.86	0.031	14.71	0.030	14.83	0.030



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23017		23095		23173	
Frequency (MHz)				699.7		707.5		715.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	16.20	0.042	16.27	0.042	16.24	0.042
1.4	QPSK	1	3	16.04	0.040	16.07	0.040	15.96	0.039
1.4	QPSK	1	5	15.91	0.039	15.89	0.039	15.84	0.038
1.4	QPSK	3	0	15.21	0.033	15.21	0.033	15.20	0.033
1.4	QPSK	3	1	15.17	0.033	15.16	0.033	15.26	0.034
1.4	QPSK	3	3	15.10	0.032	15.08	0.032	15.20	0.033
1.4	QPSK	6	0	15.06	0.032	15.14	0.033	15.15	0.033
1.4	16QAM	1	0	15.68	0.037	15.69	0.037	15.58	0.036
1.4	16QAM	1	3	15.55	0.036	15.59	0.036	15.52	0.036
1.4	16QAM	1	5	15.47	0.035	15.41	0.035	15.48	0.035
1.4	16QAM	3	0	14.98	0.031	14.86	0.031	14.97	0.031
1.4	16QAM	3	1	14.92	0.031	14.82	0.030	14.91	0.031
1.4	16QAM	3	3	14.87	0.031	14.77	0.030	14.85	0.031
1.4	16QAM	6	0	14.81	0.030	14.84	0.030	14.81	0.030
1.4	64QAM	1	0	15.55	0.036	15.50	0.035	15.57	0.036
1.4	64QAM	1	3	15.50	0.035	15.35	0.034	15.52	0.036
1.4	64QAM	1	5	15.41	0.035	15.33	0.034	15.39	0.035
1.4	64QAM	3	0	15.01	0.032	14.81	0.030	14.96	0.031
1.4	64QAM	3	1	14.91	0.031	14.77	0.030	14.93	0.031
1.4	64QAM	3	3	14.84	0.030	14.69	0.029	14.82	0.030
1.4	64QAM	6	0	14.83	0.030	14.65	0.029	14.78	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	16.28	0.042	16.31	0.043	16.25	0.042
10	QPSK	1	25	16.10	0.041	16.21	0.042	16.20	0.042
10	QPSK	1	49	15.98	0.040	16.16	0.041	16.08	0.041
10	QPSK	25	0	15.22	0.033	15.41	0.035	15.37	0.034
10	QPSK	25	12	15.15	0.033	15.35	0.034	15.30	0.034
10	QPSK	25	25	15.09	0.032	15.28	0.034	15.25	0.033
10	QPSK	50	0	15.03	0.032	15.21	0.033	15.18	0.033
10	16QAM	1	0	15.58	0.036	15.77	0.038	15.68	0.037
10	16QAM	1	25	15.45	0.035	15.71	0.037	15.62	0.036
10	16QAM	1	49	15.40	0.035	15.60	0.036	15.55	0.036
10	16QAM	25	0	14.70	0.030	14.92	0.031	14.90	0.031
10	16QAM	25	12	14.63	0.029	14.86	0.031	14.85	0.031
10	16QAM	25	25	14.57	0.029	14.80	0.030	14.80	0.030
10	16QAM	50	0	14.50	0.028	14.74	0.030	14.74	0.030
10	64QAM	1	0	15.42	0.035	15.65	0.037	15.53	0.036
10	64QAM	1	25	15.35	0.034	15.58	0.036	15.38	0.035
10	64QAM	1	49	15.25	0.033	15.48	0.035	15.22	0.033
10	64QAM	25	0	14.59	0.029	14.92	0.031	14.59	0.029
10	64QAM	25	12	14.54	0.028	14.87	0.031	14.53	0.028
10	64QAM	25	25	14.49	0.028	14.81	0.030	14.46	0.028
10	64QAM	50	0	14.43	0.028	14.74	0.030	14.39	0.027



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	16.19	0.042	16.22	0.042	16.14	0.041
5	QPSK	1	12	16.02	0.040	16.13	0.041	16.10	0.041
5	QPSK	1	24	15.88	0.039	16.07	0.040	15.99	0.040
5	QPSK	12	0	15.13	0.033	15.31	0.034	15.29	0.034
5	QPSK	12	7	15.06	0.032	15.26	0.034	15.21	0.033
5	QPSK	12	13	14.98	0.031	15.19	0.033	15.17	0.033
5	QPSK	25	0	14.93	0.031	15.11	0.032	15.09	0.032
5	16QAM	1	0	15.49	0.035	15.68	0.037	15.57	0.036
5	16QAM	1	12	15.36	0.034	15.63	0.037	15.52	0.036
5	16QAM	1	24	15.32	0.034	15.49	0.035	15.47	0.035
5	16QAM	12	0	14.60	0.029	14.84	0.030	14.81	0.030
5	16QAM	12	7	14.54	0.028	14.76	0.030	14.77	0.030
5	16QAM	12	13	14.47	0.028	14.69	0.029	14.70	0.030
5	16QAM	25	0	14.41	0.028	14.64	0.029	14.66	0.029
5	64QAM	1	0	15.34	0.034	15.55	0.036	15.44	0.035
5	64QAM	1	12	15.25	0.033	15.50	0.035	15.30	0.034
5	64QAM	1	24	15.15	0.033	15.39	0.035	15.11	0.032
5	64QAM	12	0	14.48	0.028	14.81	0.030	14.49	0.028
5	64QAM	12	7	14.46	0.028	14.77	0.030	14.45	0.028
5	64QAM	12	13	14.41	0.028	14.73	0.030	14.38	0.027
5	64QAM	25	0	14.34	0.027	14.65	0.029	14.31	0.027



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	17.41	0.055	17.46	0.056	17.49	0.056
5	QPSK	1	12	17.29	0.054	17.31	0.054	17.33	0.054
5	QPSK	1	24	17.15	0.052	17.13	0.052	17.20	0.052
5	QPSK	12	0	16.49	0.045	16.44	0.044	16.51	0.045
5	QPSK	12	7	16.44	0.044	16.43	0.044	16.47	0.044
5	QPSK	12	13	16.27	0.042	16.38	0.043	16.39	0.044
5	QPSK	25	0	16.30	0.043	16.24	0.042	16.33	0.043
5	16QAM	1	0	16.77	0.048	16.80	0.048	16.86	0.049
5	16QAM	1	12	16.69	0.047	16.63	0.046	16.75	0.047
5	16QAM	1	24	16.60	0.046	16.57	0.045	16.61	0.046
5	16QAM	12	0	16.02	0.040	15.99	0.040	16.11	0.041
5	16QAM	12	7	16.00	0.040	16.04	0.040	16.05	0.040
5	16QAM	12	13	15.91	0.039	15.92	0.039	16.00	0.040
5	16QAM	25	0	15.88	0.039	15.80	0.038	15.91	0.039
5	64QAM	1	0	16.63	0.046	16.66	0.046	16.73	0.047
5	64QAM	1	12	16.52	0.045	16.61	0.046	16.64	0.046
5	64QAM	1	24	16.44	0.044	16.47	0.044	16.49	0.045
5	64QAM	12	0	16.03	0.040	16.01	0.040	16.09	0.041
5	64QAM	12	7	15.97	0.040	15.92	0.039	16.02	0.040
5	64QAM	12	13	15.93	0.039	15.82	0.038	15.94	0.039
5	64QAM	25	0	15.78	0.038	15.84	0.038	15.87	0.039



LTE Band19				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				24075		24075		24075	
Frequency (MHz)				837.5		837.5		837.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	17.45	0.056	17.48	0.056	17.44	0.055
15	QPSK	1	37	17.25	0.053	17.26	0.053	17.27	0.053
15	QPSK	1	74	17.17	0.052	17.18	0.052	17.22	0.053
15	QPSK	36	0	16.46	0.044	16.47	0.044	16.43	0.044
15	QPSK	36	20	16.39	0.044	16.36	0.043	16.36	0.043
15	QPSK	36	39	16.34	0.043	16.29	0.043	16.30	0.043
15	QPSK	75	0	16.28	0.042	16.29	0.043	16.24	0.042
15	16QAM	1	0	16.82	0.048	16.75	0.047	16.78	0.048
15	16QAM	1	37	16.68	0.047	16.62	0.046	16.70	0.047
15	16QAM	1	74	16.60	0.046	16.45	0.044	16.56	0.045
15	16QAM	36	0	16.13	0.041	16.03	0.040	16.16	0.041
15	16QAM	36	20	16.08	0.041	15.96	0.039	16.09	0.041
15	16QAM	36	39	16.01	0.040	15.91	0.039	16.03	0.040
15	16QAM	75	0	15.95	0.039	15.85	0.038	15.96	0.039
15	64QAM	1	0	16.71	0.047	16.70	0.047	16.73	0.047
15	64QAM	1	37	16.61	0.046	16.65	0.046	16.59	0.046
15	64QAM	1	74	16.53	0.045	16.52	0.045	16.52	0.045
15	64QAM	36	0	16.15	0.041	16.17	0.041	16.14	0.041
15	64QAM	36	20	16.10	0.041	16.12	0.041	16.07	0.040
15	64QAM	36	39	16.03	0.040	16.06	0.040	16.02	0.040
15	64QAM	75	0	15.97	0.040	16.01	0.040	15.95	0.039



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	17.40	0.055	17.43	0.055	17.39	0.055
10	QPSK	1	25	17.20	0.052	17.20	0.052	17.24	0.053
10	QPSK	1	49	17.13	0.052	17.13	0.052	17.16	0.052
10	QPSK	25	0	16.40	0.044	16.36	0.043	16.38	0.043
10	QPSK	25	12	16.34	0.043	16.33	0.043	16.32	0.043
10	QPSK	25	25	16.31	0.043	16.24	0.042	16.25	0.042
10	QPSK	50	0	16.25	0.042	16.18	0.041	16.20	0.042
10	16QAM	1	0	16.78	0.048	16.70	0.047	16.75	0.047
10	16QAM	1	25	16.63	0.046	16.58	0.045	16.64	0.046
10	16QAM	1	49	16.57	0.045	16.40	0.044	16.51	0.045
10	16QAM	25	0	16.07	0.040	16.00	0.040	16.12	0.041
10	16QAM	25	12	16.05	0.040	15.90	0.039	16.03	0.040
10	16QAM	25	25	15.97	0.040	15.87	0.039	16.00	0.040
10	16QAM	50	0	15.89	0.039	15.82	0.038	15.93	0.039
10	64QAM	1	0	16.68	0.047	16.65	0.046	16.70	0.047
10	64QAM	1	12	16.55	0.045	16.59	0.046	16.53	0.045
10	64QAM	1	24	16.48	0.044	16.48	0.044	16.47	0.044
10	64QAM	12	0	16.11	0.041	16.12	0.041	16.09	0.041
10	64QAM	12	7	16.05	0.040	16.06	0.040	16.03	0.040
10	64QAM	12	13	15.98	0.040	16.02	0.040	15.96	0.039
10	64QAM	25	0	15.92	0.039	15.97	0.040	15.89	0.039



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	17.35	0.054	17.38	0.055	17.34	0.054
5	QPSK	1	12	17.15	0.052	17.16	0.052	17.19	0.052
5	QPSK	1	24	17.09	0.051	17.10	0.051	17.13	0.052
5	QPSK	12	0	16.37	0.043	16.33	0.043	16.34	0.043
5	QPSK	12	7	16.31	0.043	16.28	0.042	16.29	0.043
5	QPSK	12	13	16.27	0.042	16.19	0.042	16.21	0.042
5	QPSK	25	0	16.21	0.042	16.12	0.041	16.16	0.041
5	16QAM	1	0	16.75	0.047	16.67	0.046	16.72	0.047
5	16QAM	1	12	16.58	0.045	16.54	0.045	16.60	0.046
5	16QAM	1	24	16.52	0.045	16.35	0.043	16.46	0.044
5	16QAM	12	0	16.04	0.040	15.97	0.040	16.08	0.041
5	16QAM	12	7	15.99	0.040	15.85	0.038	15.99	0.040
5	16QAM	12	13	15.92	0.039	15.84	0.038	15.97	0.040
5	16QAM	25	0	15.84	0.038	15.78	0.038	15.88	0.039
5	64QAM	1	0	16.62	0.046	16.59	0.046	16.66	0.046
5	64QAM	1	12	16.50	0.045	16.55	0.045	16.48	0.044
5	64QAM	1	24	16.44	0.044	16.43	0.044	16.43	0.044
5	64QAM	12	0	16.07	0.040	16.07	0.040	16.05	0.040
5	64QAM	12	7	16.00	0.040	16.00	0.040	15.99	0.040
5	64QAM	12	13	15.94	0.039	15.98	0.040	15.91	0.039
5	64QAM	25	0	15.86	0.039	15.93	0.039	15.83	0.038



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	17.37	0.055	17.30	0.054	17.35	0.054
15	QPSK	1	37	17.27	0.053	17.26	0.053	17.24	0.053
15	QPSK	1	74	17.17	0.052	17.05	0.051	17.15	0.052
15	QPSK	36	0	16.41	0.044	16.39	0.044	16.37	0.043
15	QPSK	36	20	16.35	0.043	16.26	0.042	16.41	0.044
15	QPSK	36	39	16.28	0.042	16.19	0.042	16.35	0.043
15	QPSK	75	0	16.30	0.043	16.20	0.042	16.29	0.043
15	16QAM	1	0	16.77	0.048	16.66	0.046	16.69	0.047
15	16QAM	1	37	16.64	0.046	16.58	0.045	16.62	0.046
15	16QAM	1	74	16.51	0.045	16.41	0.044	16.51	0.045
15	16QAM	36	0	16.17	0.041	16.14	0.041	16.15	0.041
15	16QAM	36	20	16.11	0.041	16.07	0.040	16.09	0.041
15	16QAM	36	39	16.04	0.040	16.03	0.040	16.03	0.040
15	16QAM	75	0	15.98	0.040	15.90	0.039	15.96	0.039
15	64QAM	1	0	16.77	0.048	16.76	0.047	16.68	0.047
15	64QAM	1	37	16.66	0.046	16.64	0.046	16.53	0.045
15	64QAM	1	74	16.52	0.045	16.50	0.045	16.40	0.044
15	64QAM	36	0	16.14	0.041	16.08	0.041	16.02	0.040
15	64QAM	36	20	16.08	0.041	15.99	0.040	15.96	0.039
15	64QAM	36	39	16.03	0.040	15.93	0.039	15.89	0.039
15	64QAM	75	0	15.98	0.040	15.93	0.039	15.83	0.038



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	17.28	0.053	17.28	0.053	17.32	0.054
10	QPSK	1	25	17.10	0.051	17.08	0.051	17.19	0.052
10	QPSK	1	49	17.03	0.050	17.02	0.050	17.11	0.051
10	QPSK	25	0	16.23	0.042	16.28	0.042	16.31	0.043
10	QPSK	25	12	16.27	0.042	16.33	0.043	16.35	0.043
10	QPSK	25	25	16.25	0.042	16.29	0.043	16.30	0.043
10	QPSK	50	0	16.17	0.041	16.16	0.041	16.25	0.042
10	16QAM	1	0	16.51	0.045	16.55	0.045	16.63	0.046
10	16QAM	1	25	16.54	0.045	16.49	0.045	16.56	0.045
10	16QAM	1	49	16.39	0.044	16.43	0.044	16.47	0.044
10	16QAM	25	0	16.07	0.040	16.09	0.041	16.11	0.041
10	16QAM	25	12	15.93	0.039	16.02	0.040	16.03	0.040
10	16QAM	25	25	15.98	0.040	15.94	0.039	15.99	0.040
10	16QAM	50	0	15.87	0.039	15.80	0.038	15.90	0.039
10	64QAM	1	0	16.61	0.046	16.62	0.046	16.63	0.046
10	64QAM	1	25	16.39	0.044	16.37	0.043	16.48	0.044
10	64QAM	1	49	16.32	0.043	16.26	0.042	16.37	0.043
10	64QAM	25	0	15.88	0.039	15.96	0.039	15.97	0.040
10	64QAM	25	12	15.90	0.039	15.84	0.038	15.93	0.039
10	64QAM	25	25	15.80	0.038	15.74	0.037	15.84	0.038
10	64QAM	50	0	15.74	0.037	15.66	0.037	15.78	0.038



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	17.27	0.053	17.28	0.053	17.29	0.054
5	QPSK	1	12	17.06	0.051	17.06	0.051	17.16	0.052
5	QPSK	1	24	16.93	0.049	16.94	0.049	17.05	0.051
5	QPSK	12	0	16.15	0.041	16.14	0.041	16.25	0.042
5	QPSK	12	7	16.30	0.043	16.23	0.042	16.32	0.043
5	QPSK	12	13	16.23	0.042	16.19	0.042	16.27	0.042
5	QPSK	25	0	16.15	0.041	16.08	0.041	16.20	0.042
5	16QAM	1	0	16.48	0.044	16.55	0.045	16.60	0.046
5	16QAM	1	12	16.49	0.045	16.42	0.044	16.51	0.045
5	16QAM	1	24	16.35	0.043	16.42	0.044	16.44	0.044
5	16QAM	12	0	15.96	0.039	16.05	0.040	16.08	0.041
5	16QAM	12	7	15.95	0.039	15.85	0.038	15.97	0.040
5	16QAM	12	13	15.91	0.039	15.91	0.039	15.95	0.039
5	16QAM	25	0	15.84	0.038	15.78	0.038	15.86	0.039
5	64QAM	1	0	16.50	0.045	16.46	0.044	16.58	0.045
5	64QAM	1	12	16.38	0.043	16.33	0.043	16.45	0.044
5	64QAM	1	24	16.28	0.042	16.21	0.042	16.33	0.043
5	64QAM	12	0	15.86	0.039	15.90	0.039	15.94	0.039
5	64QAM	12	7	15.79	0.038	15.76	0.038	15.88	0.039
5	64QAM	12	13	15.77	0.038	15.70	0.037	15.81	0.038
5	64QAM	25	0	15.61	0.036	15.63	0.037	15.72	0.037



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	17.23	0.053	17.19	0.052	17.25	0.053
3	QPSK	1	8	17.00	0.050	17.02	0.050	17.11	0.051
3	QPSK	1	14	16.98	0.050	16.90	0.049	17.01	0.050
3	QPSK	8	0	16.17	0.041	16.17	0.041	16.19	0.042
3	QPSK	8	4	16.26	0.042	16.22	0.042	16.28	0.042
3	QPSK	8	7	16.21	0.042	16.15	0.041	16.24	0.042
3	QPSK	15	0	16.08	0.041	16.05	0.040	16.15	0.041
3	16QAM	1	0	16.47	0.044	16.54	0.045	16.56	0.045
3	16QAM	1	8	16.36	0.043	16.35	0.043	16.47	0.044
3	16QAM	1	14	16.30	0.043	16.28	0.042	16.40	0.044
3	16QAM	8	0	15.99	0.040	15.90	0.039	16.02	0.040
3	16QAM	8	4	15.81	0.038	15.90	0.039	15.93	0.039
3	16QAM	8	7	15.78	0.038	15.86	0.039	15.90	0.039
3	16QAM	15	0	15.80	0.038	15.73	0.037	15.81	0.038
3	64QAM	1	0	16.52	0.045	16.48	0.044	16.53	0.045
3	64QAM	1	8	16.40	0.044	16.35	0.043	16.42	0.044
3	64QAM	1	14	16.20	0.042	16.22	0.042	16.28	0.042
3	64QAM	8	0	15.78	0.038	15.86	0.039	15.89	0.039
3	64QAM	8	4	15.82	0.038	15.81	0.038	15.85	0.038
3	64QAM	8	7	15.66	0.037	15.64	0.037	15.76	0.038
3	64QAM	15	0	15.63	0.037	15.58	0.036	15.66	0.037



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	17.22	0.053	17.22	0.053	17.24	0.053
1.4	QPSK	1	3	17.08	0.051	17.08	0.051	17.13	0.052
1.4	QPSK	1	5	16.88	0.049	16.92	0.049	17.00	0.050
1.4	QPSK	3	0	16.19	0.042	16.18	0.041	16.20	0.042
1.4	QPSK	3	1	16.23	0.042	16.22	0.042	16.27	0.042
1.4	QPSK	3	3	16.13	0.041	16.16	0.041	16.22	0.042
1.4	QPSK	6	0	16.13	0.041	16.08	0.041	16.14	0.041
1.4	16QAM	1	0	16.45	0.044	16.49	0.045	16.55	0.045
1.4	16QAM	1	3	16.41	0.044	16.46	0.044	16.48	0.044
1.4	16QAM	1	5	16.32	0.043	16.31	0.043	16.39	0.044
1.4	16QAM	3	0	15.95	0.039	15.93	0.039	16.02	0.040
1.4	16QAM	3	1	15.91	0.039	15.85	0.038	15.92	0.039
1.4	16QAM	3	3	15.84	0.038	15.85	0.038	15.92	0.039
1.4	16QAM	6	0	15.73	0.037	15.79	0.038	15.82	0.038
1.4	64QAM	1	0	16.47	0.044	16.49	0.045	16.53	0.045
1.4	64QAM	1	3	16.32	0.043	16.31	0.043	16.40	0.044
1.4	64QAM	1	5	16.15	0.041	16.17	0.041	16.27	0.042
1.4	64QAM	3	0	15.85	0.038	15.78	0.038	15.88	0.039
1.4	64QAM	3	1	15.74	0.037	15.82	0.038	15.83	0.038
1.4	64QAM	3	3	15.73	0.037	15.64	0.037	15.76	0.038
1.4	64QAM	6	0	15.58	0.036	15.57	0.036	15.69	0.037



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	21.13	0.130	21.15	0.130	21.03	0.127
20	QPSK	1	49	20.62	0.115	20.73	0.118	20.59	0.115
20	QPSK	1	99	20.46	0.111	20.89	0.123	20.47	0.111
20	QPSK	50	0	19.90	0.098	20.02	0.100	19.81	0.096
20	QPSK	50	24	19.84	0.096	19.96	0.099	20.05	0.101
20	QPSK	50	50	19.78	0.095	19.91	0.098	19.69	0.093
20	QPSK	100	0	19.76	0.095	19.85	0.097	19.64	0.092
20	16QAM	1	0	20.21	0.105	20.34	0.108	20.22	0.105
20	16QAM	1	49	20.08	0.102	20.49	0.112	20.10	0.102
20	16QAM	1	99	20.02	0.100	20.12	0.103	20.00	0.100
20	16QAM	50	0	19.61	0.091	19.77	0.095	19.95	0.099
20	16QAM	50	24	19.55	0.090	19.71	0.094	19.58	0.091
20	16QAM	50	50	19.78	0.095	19.66	0.092	19.51	0.089
20	16QAM	100	0	19.43	0.088	19.61	0.091	19.46	0.088
20	64QAM	1	0	20.25	0.106	20.64	0.116	20.20	0.105
20	64QAM	1	49	20.10	0.102	20.24	0.106	20.09	0.102
20	64QAM	1	99	20.00	0.100	20.09	0.102	20.29	0.107
20	64QAM	50	0	19.58	0.091	19.69	0.093	19.52	0.090
20	64QAM	50	24	19.82	0.096	19.63	0.092	19.47	0.089
20	64QAM	50	50	19.45	0.088	19.57	0.091	19.40	0.087
20	64QAM	100	0	19.39	0.087	19.82	0.096	19.34	0.086



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	21.08	0.128	21.10	0.129	21.00	0.126
15	QPSK	1	37	20.57	0.114	20.68	0.117	20.55	0.114
15	QPSK	1	74	20.42	0.110	20.83	0.121	20.41	0.110
15	QPSK	36	0	19.85	0.097	19.97	0.099	19.77	0.095
15	QPSK	36	20	19.78	0.095	19.91	0.098	20.00	0.100
15	QPSK	36	39	19.75	0.094	19.86	0.097	19.64	0.092
15	QPSK	75	0	19.72	0.094	19.82	0.096	19.59	0.091
15	16QAM	1	0	20.17	0.104	20.29	0.107	20.16	0.104
15	16QAM	1	37	20.04	0.101	20.44	0.111	20.05	0.101
15	16QAM	1	74	19.98	0.100	20.09	0.102	19.96	0.099
15	16QAM	36	0	19.56	0.090	19.74	0.094	19.89	0.097
15	16QAM	36	20	19.51	0.089	19.66	0.092	19.53	0.090
15	16QAM	36	39	19.74	0.094	19.61	0.091	19.46	0.088
15	16QAM	75	0	19.38	0.087	19.57	0.091	19.42	0.087
15	64QAM	1	0	20.22	0.105	20.59	0.115	20.16	0.104
15	64QAM	1	37	20.04	0.101	20.21	0.105	20.05	0.101
15	64QAM	1	74	19.96	0.099	20.05	0.101	20.24	0.106
15	64QAM	36	0	19.54	0.090	19.64	0.092	19.47	0.089
15	64QAM	36	20	19.78	0.095	19.59	0.091	19.43	0.088
15	64QAM	36	39	19.41	0.087	19.53	0.090	19.35	0.086
15	64QAM	75	0	19.34	0.086	19.79	0.095	19.29	0.085



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	21.03	0.127	21.06	0.128	20.95	0.124
10	QPSK	1	25	20.51	0.112	20.64	0.116	20.52	0.113
10	QPSK	1	49	20.37	0.109	20.79	0.120	20.36	0.109
10	QPSK	25	0	19.80	0.095	19.91	0.098	19.72	0.094
10	QPSK	25	12	19.75	0.094	19.87	0.097	19.97	0.099
10	QPSK	25	25	19.71	0.094	19.81	0.096	19.60	0.091
10	QPSK	50	0	19.67	0.093	19.79	0.095	19.55	0.090
10	16QAM	1	0	20.11	0.103	20.23	0.105	20.10	0.102
10	16QAM	1	25	19.98	0.100	20.39	0.109	20.00	0.100
10	16QAM	1	49	19.92	0.098	20.06	0.101	19.92	0.098
10	16QAM	25	0	19.51	0.089	19.70	0.093	19.85	0.097
10	16QAM	25	12	19.46	0.088	19.61	0.091	19.47	0.089
10	16QAM	25	25	19.69	0.093	19.57	0.091	19.40	0.087
10	16QAM	50	0	19.33	0.086	19.51	0.089	19.38	0.087
10	64QAM	1	0	20.19	0.104	20.55	0.114	20.13	0.103
10	64QAM	1	25	19.98	0.100	20.18	0.104	20.00	0.100
10	64QAM	1	49	19.92	0.098	20.01	0.100	20.20	0.105
10	64QAM	25	0	19.51	0.089	19.60	0.091	19.44	0.088
10	64QAM	25	12	19.75	0.094	19.56	0.090	19.37	0.086
10	64QAM	25	25	19.36	0.086	19.47	0.089	19.32	0.086
10	64QAM	50	0	19.28	0.085	19.73	0.094	19.25	0.084



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	20.99	0.126	21.01	0.126	20.92	0.124
5	QPSK	1	12	20.46	0.111	20.58	0.114	20.46	0.111
5	QPSK	1	24	20.33	0.108	20.73	0.118	20.32	0.108
5	QPSK	12	0	19.74	0.094	19.86	0.097	19.67	0.093
5	QPSK	12	7	19.69	0.093	19.81	0.096	19.93	0.098
5	QPSK	12	13	19.66	0.092	19.77	0.095	19.57	0.091
5	QPSK	25	0	19.62	0.092	19.75	0.094	19.50	0.089
5	16QAM	1	0	20.06	0.101	20.19	0.104	20.05	0.101
5	16QAM	1	12	19.94	0.099	20.34	0.108	19.94	0.099
5	16QAM	1	24	19.86	0.097	20.02	0.100	19.88	0.097
5	16QAM	12	0	19.48	0.089	19.67	0.093	19.82	0.096
5	16QAM	12	7	19.43	0.088	19.56	0.090	19.41	0.087
5	16QAM	12	13	19.64	0.092	19.52	0.090	19.35	0.086
5	16QAM	25	0	19.28	0.085	19.47	0.089	19.33	0.086
5	64QAM	1	0	20.15	0.104	20.49	0.112	20.08	0.001
5	64QAM	1	12	19.93	0.098	20.12	0.103	19.97	0.001
5	64QAM	1	24	19.88	0.097	19.96	0.099	20.15	0.001
5	64QAM	12	0	19.45	0.088	19.55	0.090	19.40	0.001
5	64QAM	12	7	19.72	0.094	19.51	0.089	19.32	0.001
5	64QAM	12	13	19.31	0.085	19.42	0.087	19.26	0.001
5	64QAM	25	0	19.24	0.084	19.67	0.093	19.19	0.001



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	/	/	21.99	0.158	/	/
10	QPSK	1	25	/	/	21.78	0.151	/	/
10	QPSK	1	49	/	/	21.73	0.149	/	/
10	QPSK	25	0	/	/	20.90	0.123	/	/
10	QPSK	25	12	/	/	20.85	0.122	/	/
10	QPSK	25	25	/	/	20.78	0.120	/	/
10	QPSK	50	0	/	/	20.72	0.118	/	/
10	16QAM	1	0	/	/	21.35	0.136	/	/
10	16QAM	1	25	/	/	21.21	0.132	/	/
10	16QAM	1	49	/	/	21.12	0.129	/	/
10	16QAM	25	0	/	/	20.69	0.117	/	/
10	16QAM	25	12	/	/	20.63	0.116	/	/
10	16QAM	25	25	/	/	20.57	0.114	/	/
10	16QAM	50	0	/	/	20.52	0.113	/	/
10	64QAM	1	0	/	/	21.22	0.132	/	/
10	64QAM	1	25	/	/	21.11	0.129	/	/
10	64QAM	1	49	/	/	20.98	0.125	/	/
10	64QAM	25	0	/	/	20.54	0.113	/	/
10	64QAM	25	12	/	/	20.48	0.112	/	/
10	64QAM	25	25	/	/	20.42	0.110	/	/
10	64QAM	50	0	/	/	20.37	0.109	/	/



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	21.84	0.153	21.91	0.155	21.87	0.154
5	QPSK	1	12	21.73	0.149	21.65	0.146	21.72	0.149
5	QPSK	1	24	21.69	0.148	21.48	0.141	21.65	0.146
5	QPSK	12	0	20.85	0.122	20.93	0.124	20.91	0.123
5	QPSK	12	7	20.82	0.121	20.68	0.117	20.85	0.122
5	QPSK	12	13	20.74	0.119	20.61	0.115	20.79	0.120
5	QPSK	25	0	20.68	0.117	20.75	0.119	20.74	0.119
5	16QAM	1	0	21.30	0.135	21.05	0.127	21.31	0.135
5	16QAM	1	12	21.17	0.131	20.99	0.126	21.18	0.131
5	16QAM	1	24	21.06	0.128	20.87	0.122	21.09	0.129
5	16QAM	12	0	20.63	0.116	20.68	0.117	20.66	0.116
5	16QAM	12	7	20.57	0.114	20.46	0.111	20.58	0.114
5	16QAM	12	13	20.53	0.113	20.42	0.110	20.54	0.113
5	16QAM	25	0	20.49	0.112	20.32	0.108	20.47	0.111
5	64QAM	1	0	21.18	0.131	21.02	0.126	21.15	0.130
5	64QAM	1	12	21.05	0.127	20.92	0.124	21.03	0.127
5	64QAM	1	24	20.95	0.124	20.82	0.121	20.90	0.123
5	64QAM	12	0	20.51	0.112	20.63	0.116	20.52	0.113
5	64QAM	12	7	20.44	0.111	20.56	0.114	20.49	0.112
5	64QAM	12	13	20.39	0.109	20.51	0.112	20.41	0.110
5	64QAM	25	0	20.33	0.108	20.44	0.111	20.37	0.109



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	/	/	22.01	0.159	/	/
10	QPSK	1	25	/	/	21.85	0.153	/	/
10	QPSK	1	49	/	/	21.69	0.148	/	/
10	QPSK	25	0	/	/	20.95	0.124	/	/
10	QPSK	25	12	/	/	20.89	0.123	/	/
10	QPSK	25	25	/	/	20.83	0.121	/	/
10	QPSK	50	0	/	/	20.77	0.119	/	/
10	16QAM	1	0	/	/	21.34	0.136	/	/
10	16QAM	1	25	/	/	21.23	0.133	/	/
10	16QAM	1	49	/	/	21.12	0.129	/	/
10	16QAM	25	0	/	/	20.70	0.117	/	/
10	16QAM	25	12	/	/	20.63	0.116	/	/
10	16QAM	25	25	/	/	20.58	0.114	/	/
10	16QAM	50	0	/	/	20.52	0.113	/	/
10	64QAM	1	0	/	/	21.18	0.131	/	/
10	64QAM	1	25	/	/	21.09	0.129	/	/
10	64QAM	1	49	/	/	20.95	0.124	/	/
10	64QAM	25	0	/	/	20.58	0.114	/	/
10	64QAM	25	12	/	/	20.52	0.113	/	/
10	64QAM	25	25	/	/	20.47	0.111	/	/
10	64QAM	50	0	/	/	20.41	0.110	/	/



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	21.80	0.151	21.90	0.155	21.82	0.152
5	QPSK	1	12	21.68	0.147	21.61	0.145	21.67	0.147
5	QPSK	1	24	21.66	0.147	21.43	0.139	21.61	0.145
5	QPSK	12	0	20.82	0.121	20.88	0.122	20.87	0.122
5	QPSK	12	7	20.79	0.120	20.65	0.116	20.80	0.120
5	QPSK	12	13	20.71	0.118	20.55	0.114	20.74	0.119
5	QPSK	25	0	20.62	0.115	20.70	0.117	20.69	0.117
5	16QAM	1	0	21.26	0.134	21.00	0.126	21.27	0.134
5	16QAM	1	12	21.13	0.130	20.94	0.124	21.13	0.130
5	16QAM	1	24	21.02	0.126	20.82	0.121	21.05	0.127
5	16QAM	12	0	20.60	0.115	20.63	0.116	20.63	0.116
5	16QAM	12	7	20.52	0.113	20.40	0.110	20.52	0.113
5	16QAM	12	13	20.48	0.112	20.37	0.109	20.51	0.112
5	16QAM	25	0	20.45	0.111	20.28	0.107	20.44	0.111
5	64QAM	1	0	21.13	0.130	20.98	0.125	21.11	0.129
5	64QAM	1	12	21.02	0.126	20.87	0.122	20.98	0.125
5	64QAM	1	24	20.92	0.124	20.78	0.120	20.85	0.122
5	64QAM	12	0	20.46	0.111	20.58	0.114	20.49	0.112
5	64QAM	12	7	20.40	0.110	20.52	0.113	20.43	0.110
5	64QAM	12	13	20.33	0.108	20.48	0.112	20.36	0.109
5	64QAM	25	0	20.30	0.107	20.38	0.109	20.31	0.107



LTE Band 41				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39750		40620		41490	
Frequency (MHz)				2506		2593		2680	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	21.72	0.149	21.74	0.149	21.61	0.145
20	QPSK	1	49	21.46	0.140	21.53	0.142	21.36	0.137
20	QPSK	1	99	21.39	0.138	21.43	0.139	21.22	0.132
20	QPSK	50	0	20.65	0.116	20.77	0.119	20.50	0.112
20	QPSK	50	24	20.58	0.114	20.71	0.118	20.43	0.110
20	QPSK	50	50	20.51	0.112	20.65	0.116	20.36	0.109
20	QPSK	100	0	20.44	0.111	20.59	0.115	20.30	0.107
20	16QAM	1	0	20.89	0.123	21.10	0.129	20.89	0.123
20	16QAM	1	49	20.73	0.118	20.94	0.124	20.81	0.121
20	16QAM	1	99	20.66	0.116	20.85	0.122	20.66	0.116
20	16QAM	50	0	20.41	0.110	20.60	0.115	20.39	0.109
20	16QAM	50	24	20.36	0.109	20.54	0.113	20.33	0.108
20	16QAM	50	50	20.30	0.107	20.48	0.112	20.27	0.106
20	16QAM	100	0	20.23	0.105	20.43	0.110	20.21	0.105
20	64QAM	1	0	20.84	0.121	21.08	0.128	20.76	0.119
20	64QAM	1	49	20.75	0.119	20.97	0.125	20.68	0.117
20	64QAM	1	99	20.63	0.116	20.81	0.121	20.61	0.115
20	64QAM	50	0	20.38	0.109	20.51	0.112	20.28	0.107
20	64QAM	50	24	20.32	0.108	20.44	0.111	20.22	0.105
20	64QAM	50	50	20.26	0.106	20.37	0.109	20.15	0.104
20	64QAM	100	0	20.20	0.105	20.30	0.107	20.08	0.102



LTE Band 41				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39725		40620		41515	
Frequency (MHz)				2503.5		2593		2682.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	21.68	0.147	21.62	0.145	21.65	0.146
15	QPSK	1	37	21.42	0.139	21.41	0.138	21.43	0.139
15	QPSK	1	74	21.34	0.136	21.29	0.135	21.28	0.134
15	QPSK	36	0	20.60	0.115	20.58	0.114	20.56	0.114
15	QPSK	36	20	20.53	0.113	20.53	0.113	20.49	0.112
15	QPSK	36	39	20.46	0.111	20.44	0.111	20.44	0.111
15	QPSK	75	0	20.38	0.109	20.40	0.110	20.39	0.109
15	16QAM	1	0	20.83	0.121	21.02	0.126	20.84	0.121
15	16QAM	1	37	20.68	0.117	20.93	0.124	20.69	0.117
15	16QAM	1	74	20.62	0.115	20.77	0.119	20.55	0.114
15	16QAM	36	0	20.36	0.109	20.50	0.112	20.30	0.107
15	16QAM	36	20	20.31	0.107	20.46	0.111	20.24	0.106
15	16QAM	36	39	20.25	0.106	20.38	0.109	20.16	0.104
15	16QAM	75	0	20.20	0.105	20.33	0.108	20.10	0.102
15	64QAM	1	0	20.80	0.120	21.00	0.126	20.72	0.118
15	64QAM	1	37	20.70	0.117	20.86	0.122	20.62	0.115
15	64QAM	1	74	20.58	0.114	20.75	0.119	20.52	0.113
15	64QAM	36	0	20.32	0.108	20.40	0.110	20.20	0.105
15	64QAM	36	20	20.29	0.107	20.33	0.108	20.12	0.103
15	64QAM	36	39	20.23	0.105	20.29	0.107	20.06	0.101
15	64QAM	75	0	20.14	0.103	20.23	0.105	20.01	0.100



LTE Band 41				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39700		40620		41540	
Frequency (MHz)				2501		2593		2685	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	21.63	0.146	21.68	0.147	21.59	0.144
10	QPSK	1	25	21.36	0.137	21.37	0.137	21.38	0.137
10	QPSK	1	49	21.29	0.135	21.24	0.133	21.22	0.132
10	QPSK	25	0	20.57	0.114	20.52	0.113	20.51	0.112
10	QPSK	25	12	20.51	0.112	20.49	0.112	20.44	0.111
10	QPSK	25	25	20.42	0.110	20.39	0.109	20.39	0.109
10	QPSK	50	0	20.37	0.109	20.35	0.108	20.36	0.109
10	16QAM	1	0	20.81	0.121	20.97	0.125	20.78	0.120
10	16QAM	1	25	20.64	0.116	20.89	0.123	20.65	0.116
10	16QAM	1	49	20.58	0.114	20.73	0.118	20.50	0.112
10	16QAM	25	0	20.33	0.108	20.45	0.111	20.25	0.106
10	16QAM	25	12	20.28	0.107	20.41	0.110	20.18	0.104
10	16QAM	25	25	20.20	0.105	20.32	0.108	20.11	0.103
10	16QAM	50	0	20.15	0.104	20.28	0.107	20.07	0.102
10	64QAM	1	0	20.73	0.118	20.95	0.124	20.69	0.117
10	64QAM	1	25	20.65	0.116	20.81	0.121	20.57	0.114
10	64QAM	1	49	20.53	0.113	20.72	0.118	20.47	0.111
10	64QAM	25	0	20.30	0.107	20.34	0.108	20.17	0.104
10	64QAM	25	12	20.23	0.105	20.27	0.106	20.06	0.101
10	64QAM	25	25	20.19	0.104	20.26	0.106	20.01	0.100
10	64QAM	50	0	20.12	0.103	20.18	0.104	19.97	0.099



LTE Band 41				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39675		40620		41565	
Frequency (MHz)				2498.5		2593		2687.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	21.57	0.144	21.63	0.146	21.56	0.143
5	QPSK	1	12	21.31	0.135	21.31	0.135	21.36	0.137
5	QPSK	1	24	21.24	0.133	21.22	0.132	21.20	0.132
5	QPSK	12	0	20.53	0.113	20.47	0.111	20.47	0.111
5	QPSK	12	7	20.46	0.111	20.44	0.111	20.41	0.110
5	QPSK	12	13	20.37	0.109	20.37	0.109	20.35	0.108
5	QPSK	25	0	20.32	0.108	20.32	0.108	20.29	0.107
5	16QAM	1	0	20.78	0.120	20.92	0.124	20.74	0.119
5	16QAM	1	12	20.61	0.115	20.81	0.121	20.62	0.115
5	16QAM	1	24	20.53	0.113	20.69	0.117	20.46	0.111
5	16QAM	12	0	20.28	0.107	20.42	0.110	20.22	0.105
5	16QAM	12	7	20.24	0.106	20.37	0.109	20.15	0.104
5	16QAM	12	13	20.14	0.103	20.29	0.107	20.08	0.102
5	16QAM	25	0	20.10	0.102	20.24	0.106	20.01	0.100
5	64QAM	1	0	20.68	0.117	20.90	0.123	20.62	0.115
5	64QAM	1	12	20.60	0.115	20.75	0.119	20.56	0.114
5	64QAM	1	24	20.49	0.112	20.67	0.117	20.41	0.110
5	64QAM	12	0	20.26	0.106	20.31	0.107	20.13	0.103
5	64QAM	12	7	20.19	0.104	20.25	0.106	20.03	0.101
5	64QAM	12	13	20.14	0.103	20.21	0.105	19.97	0.099
5	64QAM	25	0	20.07	0.102	20.14	0.103	19.93	0.098



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132072		132322		132572	
Frequency (MHz)				1720		1745		1770	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	21.62	0.145	21.77	0.150	21.74	0.149
20	QPSK	1	49	21.52	0.142	21.45	0.140	21.56	0.143
20	QPSK	1	99	21.39	0.138	21.40	0.138	21.33	0.136
20	QPSK	50	0	20.59	0.115	20.60	0.115	20.53	0.113
20	QPSK	50	24	20.47	0.111	20.42	0.110	20.45	0.111
20	QPSK	50	50	20.46	0.111	20.41	0.110	20.42	0.110
20	QPSK	100	0	20.39	0.109	20.40	0.110	20.31	0.107
20	16QAM	1	0	20.88	0.122	20.91	0.123	20.83	0.121
20	16QAM	1	49	20.74	0.119	20.69	0.117	20.62	0.115
20	16QAM	1	99	20.59	0.115	20.63	0.116	20.56	0.114
20	16QAM	50	0	20.28	0.107	20.33	0.108	20.30	0.107
20	16QAM	50	24	20.37	0.109	20.35	0.108	20.26	0.106
20	16QAM	50	50	20.29	0.107	20.21	0.105	20.09	0.102
20	16QAM	100	0	20.26	0.106	20.17	0.104	20.14	0.103
20	64QAM	1	0	20.73	0.118	20.73	0.118	20.61	0.115
20	64QAM	1	49	20.56	0.114	20.56	0.114	20.53	0.113
20	64QAM	1	99	20.51	0.112	20.53	0.113	20.40	0.110
20	64QAM	50	0	20.23	0.105	20.25	0.106	20.14	0.103
20	64QAM	50	24	20.13	0.103	20.16	0.104	20.14	0.103
20	64QAM	50	50	20.04	0.101	20.20	0.105	20.10	0.102
20	64QAM	100	0	20.06	0.101	20.06	0.101	20.03	0.101



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132047		132322		132597	
Frequency (MHz)				1717.5		1745		1772.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	21.31	0.135	21.66	0.147	21.44	0.139
15	QPSK	1	37	21.44	0.139	21.34	0.136	21.44	0.139
15	QPSK	1	74	21.13	0.130	21.20	0.132	21.28	0.134
15	QPSK	36	0	20.46	0.111	20.56	0.114	20.44	0.111
15	QPSK	36	20	20.22	0.105	20.20	0.105	20.16	0.104
15	QPSK	36	39	20.36	0.109	20.34	0.108	20.21	0.105
15	QPSK	75	0	20.07	0.102	20.34	0.108	20.03	0.101
15	16QAM	1	0	20.73	0.118	20.80	0.120	20.60	0.115
15	16QAM	1	37	20.43	0.110	20.65	0.116	20.45	0.111
15	16QAM	1	74	20.38	0.109	20.37	0.109	20.34	0.108
15	16QAM	36	0	20.05	0.101	20.21	0.105	20.02	0.100
15	16QAM	36	20	20.19	0.104	20.13	0.103	20.18	0.104
15	16QAM	36	39	20.09	0.102	19.99	0.100	19.80	0.095
15	16QAM	75	0	19.95	0.099	19.89	0.097	20.09	0.102
15	64QAM	1	0	20.55	0.114	20.54	0.113	20.33	0.108
15	64QAM	1	37	20.26	0.106	20.43	0.110	20.29	0.107
15	64QAM	1	74	20.22	0.105	20.21	0.105	20.11	0.103
15	64QAM	36	0	20.05	0.101	19.96	0.099	20.09	0.102
15	64QAM	36	20	20.08	0.102	20.03	0.101	20.01	0.100
15	64QAM	36	39	19.79	0.095	20.14	0.103	20.01	0.100
15	64QAM	75	0	19.90	0.098	19.99	0.100	19.72	0.094



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132022		132322		132622	
Frequency (MHz)				1715		1745		1775	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	21.25	0.133	21.59	0.144	21.40	0.138
10	QPSK	1	25	21.38	0.137	21.29	0.135	21.38	0.137
10	QPSK	1	49	21.08	0.128	21.13	0.130	21.22	0.132
10	QPSK	25	0	20.41	0.110	20.50	0.112	20.38	0.109
10	QPSK	25	12	20.18	0.104	20.16	0.104	20.09	0.102
10	QPSK	25	25	20.30	0.107	20.30	0.107	20.17	0.104
10	QPSK	50	0	20.02	0.100	20.27	0.106	19.98	0.100
10	16QAM	1	0	20.69	0.117	20.75	0.119	20.55	0.114
10	16QAM	1	25	20.38	0.109	20.60	0.115	20.41	0.110
10	16QAM	1	49	20.33	0.108	20.32	0.108	20.27	0.106
10	16QAM	25	0	19.99	0.100	20.16	0.104	19.97	0.099
10	16QAM	25	12	20.13	0.103	20.08	0.102	20.11	0.103
10	16QAM	25	25	20.03	0.101	19.93	0.098	19.75	0.094
10	16QAM	50	0	19.88	0.097	19.82	0.096	20.03	0.101
10	64QAM	1	0	20.51	0.112	20.48	0.112	20.28	0.107
10	64QAM	1	25	20.22	0.105	20.36	0.109	20.25	0.106
10	64QAM	1	49	20.15	0.104	20.17	0.104	20.06	0.101
10	64QAM	25	0	19.99	0.100	19.89	0.097	20.04	0.101
10	64QAM	25	12	20.04	0.101	19.97	0.099	19.96	0.099
10	64QAM	25	25	19.74	0.094	20.08	0.102	19.94	0.099
10	64QAM	50	0	19.83	0.096	19.93	0.098	19.67	0.093



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131997		132322		132647	
Frequency (MHz)				1712.5		1745		1777.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	21.26	0.134	21.61	0.145	21.40	0.138
5	QPSK	1	12	21.39	0.138	21.28	0.134	21.39	0.138
5	QPSK	1	24	21.09	0.129	21.16	0.131	21.24	0.133
5	QPSK	12	0	20.40	0.110	20.52	0.113	20.39	0.109
5	QPSK	12	7	20.17	0.104	20.14	0.103	20.12	0.103
5	QPSK	12	13	20.31	0.107	20.28	0.107	20.15	0.104
5	QPSK	25	0	20.00	0.100	20.29	0.107	19.97	0.099
5	16QAM	1	0	20.67	0.117	20.74	0.119	20.54	0.113
5	16QAM	1	12	20.38	0.109	20.60	0.115	20.40	0.110
5	16QAM	1	24	20.32	0.108	20.32	0.108	20.27	0.106
5	16QAM	12	0	20.00	0.100	20.16	0.104	19.96	0.099
5	16QAM	12	7	20.14	0.103	20.07	0.102	20.13	0.103
5	16QAM	12	13	20.03	0.101	19.93	0.098	19.73	0.094
5	16QAM	25	0	19.89	0.097	19.83	0.096	20.02	0.100
5	64QAM	1	0	20.51	0.112	20.48	0.112	20.29	0.107
5	64QAM	1	12	20.20	0.105	20.39	0.109	20.23	0.105
5	64QAM	1	24	20.16	0.104	20.16	0.104	20.05	0.101
5	64QAM	12	0	20.00	0.100	19.92	0.098	20.05	0.101
5	64QAM	12	7	20.02	0.100	19.98	0.100	19.96	0.099
5	64QAM	12	13	19.73	0.094	20.07	0.102	19.95	0.099
5	64QAM	25	0	19.84	0.096	19.93	0.098	19.67	0.093



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131987		132322		132657	
Frequency (MHz)				1711.5		1745		1778.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	21.20	0.132	21.54	0.143	21.31	0.135
3	QPSK	1	8	21.35	0.136	21.24	0.133	21.32	0.136
3	QPSK	1	14	21.03	0.127	21.10	0.129	21.18	0.131
3	QPSK	8	0	20.37	0.109	20.44	0.111	20.32	0.108
3	QPSK	8	4	20.09	0.102	20.10	0.102	20.03	0.101
3	QPSK	8	7	20.27	0.106	20.23	0.105	20.08	0.102
3	QPSK	15	0	19.96	0.099	20.25	0.106	19.94	0.099
3	16QAM	1	0	20.61	0.115	20.67	0.117	20.50	0.112
3	16QAM	1	8	20.32	0.108	20.55	0.114	20.33	0.108
3	16QAM	1	14	20.25	0.106	20.26	0.106	20.23	0.105
3	16QAM	8	0	19.96	0.099	20.10	0.102	19.90	0.098
3	16QAM	8	4	20.09	0.102	20.01	0.100	20.08	0.102
3	16QAM	8	7	19.98	0.100	19.87	0.097	19.70	0.093
3	16QAM	15	0	19.83	0.096	19.77	0.095	19.98	0.100
3	64QAM	1	0	20.44	0.111	20.42	0.110	20.22	0.105
3	64QAM	1	8	20.13	0.103	20.31	0.107	20.20	0.105
3	64QAM	1	14	20.12	0.103	20.12	0.103	19.98	0.100
3	64QAM	8	0	19.94	0.099	19.86	0.097	19.98	0.100
3	64QAM	8	4	19.95	0.099	19.92	0.098	19.90	0.098
3	64QAM	8	7	19.70	0.093	20.04	0.101	19.90	0.098
3	64QAM	15	0	19.80	0.095	19.88	0.097	19.60	0.091



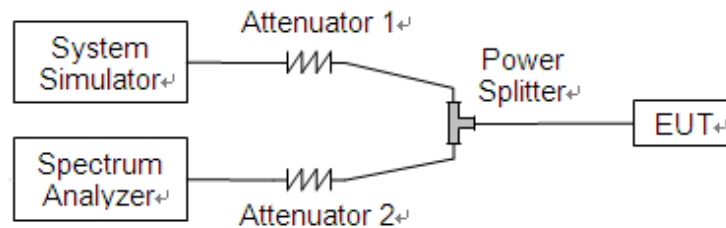
LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131979		132322		132665	
Frequency (MHz)				1710.7		1745		1779.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	21.20	0.132	21.54	0.143	21.34	0.136
1.4	QPSK	1	3	21.34	0.136	21.21	0.132	21.33	0.136
1.4	QPSK	1	5	21.04	0.127	21.11	0.129	21.18	0.131
1.4	QPSK	3	0	20.45	0.111	20.56	0.114	20.44	0.111
1.4	QPSK	3	1	20.21	0.105	20.19	0.104	20.16	0.104
1.4	QPSK	3	3	20.35	0.108	20.32	0.108	20.20	0.105
1.4	QPSK	6	0	19.95	0.099	20.22	0.105	19.93	0.098
1.4	16QAM	1	0	20.61	0.115	20.70	0.117	20.50	0.112
1.4	16QAM	1	3	20.34	0.108	20.53	0.113	20.35	0.108
1.4	16QAM	1	5	20.26	0.106	20.26	0.106	20.21	0.105
1.4	16QAM	3	0	19.95	0.099	20.11	0.103	19.92	0.098
1.4	16QAM	3	1	20.09	0.102	20.02	0.100	20.07	0.102
1.4	16QAM	3	3	19.99	0.100	19.86	0.097	19.68	0.093
1.4	16QAM	6	0	19.83	0.096	19.76	0.095	19.97	0.099
1.4	64QAM	1	0	20.44	0.111	20.43	0.110	20.25	0.106
1.4	64QAM	1	3	20.14	0.103	20.34	0.108	20.16	0.104
1.4	64QAM	1	5	20.12	0.103	20.10	0.102	20.00	0.100
1.4	64QAM	3	0	19.94	0.099	19.86	0.097	19.99	0.100
1.4	64QAM	3	1	19.96	0.099	19.93	0.098	19.91	0.098
1.4	64QAM	3	3	19.67	0.093	20.03	0.101	19.91	0.098
1.4	64QAM	6	0	19.78	0.095	19.86	0.097	19.61	0.091

2.2. Occupied Bandwidth

2.2.1. Requirement

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

2.2.2. Test Description



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

2.2.3. Test Procedure

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

2.2.4. Test Result



LTE Band 2				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.11	1.35
	Low	16QAM	1.11	1.42
	Low	64QAM	1.11	1.37
	Mid	QPSK	1.10	1.34
	Mid	16QAM	1.11	1.36
	Mid	64QAM	1.10	1.28
	High	QPSK	1.10	1.36
	High	16QAM	1.11	1.35
	High	64QAM	1.11	1.39
3	Low	QPSK	2.71	3.10
	Low	16QAM	2.72	3.07
	Low	64QAM	2.71	3.06
	Mid	QPSK	2.72	3.07
	Mid	16QAM	2.72	3.05
	Mid	64QAM	2.71	3.05
	High	QPSK	2.71	3.12
	High	16QAM	2.72	3.07
	High	64QAM	2.72	3.06
5	Low	QPSK	4.52	5.10
	Low	16QAM	4.53	5.13
	Low	64QAM	4.52	5.09
	Mid	QPSK	4.53	5.11
	Mid	16QAM	4.52	5.17
	Mid	64QAM	4.52	5.13
	High	QPSK	4.54	5.17
	High	16QAM	4.53	5.15
	High	64QAM	4.51	5.15
10	Low	QPSK	9.01	9.99
	Low	16QAM	8.99	10.00
	Low	64QAM	9.02	9.98
	Mid	QPSK	9.02	10.03
	Mid	16QAM	9.02	10.08
	Mid	64QAM	9.00	9.91
	High	QPSK	9.01	10.07
	High	16QAM	9.02	10.05
	High	64QAM	9.02	10.06



15	Low	QPSK	13.47	14.83
	Low	16QAM	13.48	14.87
	Low	64QAM	13.46	14.84
	Mid	QPSK	13.50	15.05
	Mid	16QAM	13.48	14.94
	Mid	64QAM	13.49	14.90
	High	QPSK	13.48	14.97
	High	16QAM	13.51	15.04
	High	64QAM	13.51	14.97
20	Low	QPSK	17.97	19.68
	Low	16QAM	18.02	19.66
	Low	64QAM	17.99	19.86
	Mid	QPSK	18.02	19.87
	Mid	16QAM	17.99	19.88
	Mid	64QAM	18.03	19.75
	High	QPSK	17.97	19.69
	High	16QAM	18.01	19.71
	High	64QAM	17.97	19.68



LTE Band 4				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.11	1.38
	Low	16QAM	1.11	1.45
	Low	64QAM	1.11	1.43
	Mid	QPSK	1.10	1.34
	Mid	16QAM	1.09	1.35
	Mid	64QAM	1.11	1.35
	High	QPSK	1.10	1.36
	High	16QAM	1.12	1.42
	High	64QAM	1.11	1.38
3	Low	QPSK	2.71	3.15
	Low	16QAM	2.72	3.09
	Low	64QAM	2.73	3.08
	Mid	QPSK	2.71	3.08
	Mid	16QAM	2.72	3.06
	Mid	64QAM	2.72	3.05
	High	QPSK	2.72	3.07
	High	16QAM	2.72	3.11
	High	64QAM	2.70	3.07
5	Low	QPSK	4.53	5.17
	Low	16QAM	4.54	5.22
	Low	64QAM	4.52	5.16
	Mid	QPSK	4.52	5.14
	Mid	16QAM	4.53	5.22
	Mid	64QAM	4.52	5.08
	High	QPSK	4.54	5.17
	High	16QAM	4.52	5.16
	High	64QAM	4.52	5.17
10	Low	QPSK	9.02	10.18
	Low	16QAM	9.02	10.10
	Low	64QAM	9.03	10.26
	Mid	QPSK	9.04	10.06
	Mid	16QAM	9.04	10.00
	Mid	64QAM	9.03	10.00
	High	QPSK	9.04	10.08
	High	16QAM	9.05	9.94
	High	64QAM	9.01	10.36



15	Low	QPSK	13.51	14.91
	Low	16QAM	13.51	14.99
	Low	64QAM	13.52	14.85
	Mid	QPSK	13.51	15.08
	Mid	16QAM	13.52	14.99
	Mid	64QAM	13.48	15.08
	High	QPSK	13.53	14.76
	High	16QAM	13.49	14.91
	High	64QAM	13.50	14.96
20	Low	QPSK	18.06	19.82
	Low	16QAM	18.02	20.80
	Low	64QAM	18.04	19.83
	Mid	QPSK	18.00	19.97
	Mid	16QAM	18.04	19.89
	Mid	64QAM	18.00	19.67
	High	QPSK	18.01	19.80
	High	16QAM	18.00	20.03
	High	64QAM	18.00	19.91



LTE Band 5				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.34
	Low	16QAM	1.10	1.35
	Low	64QAM	1.11	1.39
	Mid	QPSK	1.11	1.38
	Mid	16QAM	1.12	1.39
	Mid	64QAM	1.10	1.33
	High	QPSK	1.10	1.35
	High	16QAM	1.11	1.37
	High	64QAM	1.11	1.34
3	Low	QPSK	2.72	3.09
	Low	16QAM	2.72	3.03
	Low	64QAM	2.71	3.08
	Mid	QPSK	2.72	3.09
	Mid	16QAM	2.72	3.05
	Mid	64QAM	2.71	3.10
	High	QPSK	2.70	2.96
	High	16QAM	2.72	3.09
	High	64QAM	2.72	3.06
5	Low	QPSK	4.52	5.14
	Low	16QAM	4.52	5.17
	Low	64QAM	4.52	5.09
	Mid	QPSK	4.52	5.13
	Mid	16QAM	4.52	5.16
	Mid	64QAM	4.53	5.19
	High	QPSK	4.52	5.11
	High	16QAM	4.52	5.16
	High	64QAM	4.52	5.22
10	Low	QPSK	9.00	10.06
	Low	16QAM	8.99	9.95
	Low	64QAM	9.02	10.05
	Mid	QPSK	8.99	10.04
	Mid	16QAM	9.01	10.06
	Mid	64QAM	9.01	10.12
	High	QPSK	8.99	9.93
	High	16QAM	9.00	10.00
	High	64QAM	9.00	9.98



LTE Band 7				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.51	5.09
	Low	16QAM	4.54	5.08
	Low	64QAM	4.51	5.22
	Mid	QPSK	4.52	5.06
	Mid	16QAM	4.52	5.12
	Mid	64QAM	4.51	5.22
	High	QPSK	4.52	5.11
	High	16QAM	4.53	5.17
	High	64QAM	4.52	5.12
10	Low	QPSK	8.98	9.99
	Low	16QAM	9.01	9.93
	Low	64QAM	9.00	10.12
	Mid	QPSK	9.02	10.23
	Mid	16QAM	9.01	10.05
	Mid	64QAM	9.02	10.09
	High	QPSK	8.99	9.98
	High	16QAM	9.02	10.04
	High	64QAM	9.03	10.07
15	Low	QPSK	13.46	14.85
	Low	16QAM	13.49	14.86
	Low	64QAM	13.48	14.98
	Mid	QPSK	13.50	14.88
	Mid	16QAM	13.49	14.82
	Mid	64QAM	13.49	14.90
	High	QPSK	13.50	14.78
	High	16QAM	13.49	14.87
	High	64QAM	13.51	14.91
20	Low	QPSK	17.99	19.67
	Low	16QAM	17.98	19.61
	Low	64QAM	18.01	19.86
	Mid	QPSK	18.00	19.75
	Mid	16QAM	17.99	19.78
	Mid	64QAM	17.98	19.73
	High	QPSK	17.99	19.87
	High	16QAM	17.99	19.80
	High	64QAM	18.02	19.81



LTE Band 12				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.37
	Low	16QAM	1.11	1.41
	Low	64QAM	1.11	1.39
	Mid	QPSK	1.10	1.37
	Mid	16QAM	1.11	1.39
	Mid	64QAM	1.10	1.39
	High	QPSK	1.11	1.38
	High	16QAM	1.11	1.39
	High	64QAM	1.10	1.32
3	Low	QPSK	2.71	3.08
	Low	16QAM	2.73	3.07
	Low	64QAM	2.71	3.06
	Mid	QPSK	2.72	3.06
	Mid	16QAM	2.72	3.11
	Mid	64QAM	2.71	3.03
	High	QPSK	2.71	3.08
	High	16QAM	2.72	3.06
	High	64QAM	2.71	3.10
5	Low	QPSK	4.54	5.18
	Low	16QAM	4.54	5.17
	Low	64QAM	4.53	5.15
	Mid	QPSK	4.53	5.15
	Mid	16QAM	4.52	5.17
	Mid	64QAM	4.52	5.17
	High	QPSK	4.53	5.13
	High	16QAM	4.51	5.12
	High	64QAM	4.53	5.11
10	Low	QPSK	8.99	10.07
	Low	16QAM	8.97	9.99
	Low	64QAM	8.98	9.98
	Mid	QPSK	9.01	10.08
	Mid	16QAM	8.98	10.00
	Mid	64QAM	8.98	9.99
	High	QPSK	9.01	10.12
	High	16QAM	8.99	9.96
	High	64QAM	9.00	10.03



LTE Band 17				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.52	5.18
	Low	16QAM	4.53	5.14
	Low	64QAM	4.53	5.13
	Mid	QPSK	4.54	5.19
	Mid	16QAM	4.54	5.21
	Mid	64QAM	4.53	5.16
	High	QPSK	4.52	5.23
	High	16QAM	4.53	5.22
	High	64QAM	4.53	5.20
10	Low	QPSK	9.00	9.96
	Low	16QAM	9.02	10.20
	Low	64QAM	9.02	10.07
	Mid	QPSK	9.03	9.97
	Mid	16QAM	9.02	10.43
	Mid	64QAM	9.02	10.18
	High	QPSK	9.02	10.03
	High	16QAM	9.04	9.93
	High	64QAM	9.03	10.03



LTE Band 18				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.53	5.19
	Low	16QAM	4.51	5.16
	Low	64QAM	4.52	5.18
	Mid	QPSK	4.54	5.10
	Mid	16QAM	4.51	5.14
	Mid	64QAM	4.52	5.11
	High	QPSK	4.52	5.12
	High	16QAM	4.52	5.16
	High	64QAM	4.51	5.15



LTE Band 19				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.52	5.11
	Low	16QAM	4.51	5.14
	Low	64QAM	4.53	5.09
	Mid	QPSK	4.52	5.15
	Mid	16QAM	4.53	5.16
	Mid	64QAM	4.52	5.18
	High	QPSK	4.51	5.09
	High	16QAM	4.51	5.11
	High	64QAM	4.52	5.20
10	Low	QPSK	9.01	10.03
	Low	16QAM	9.03	10.06
	Low	64QAM	9.00	9.99
	Mid	QPSK	9.00	9.99
	Mid	16QAM	9.00	9.95
	Mid	64QAM	9.02	10.07
	High	QPSK	8.98	10.01
	High	16QAM	8.99	10.00
	High	64QAM	8.98	9.94
15	Low	QPSK	13.50	14.87
	Low	16QAM	13.49	14.89
	Low	64QAM	13.51	14.83
	Mid	QPSK	13.48	14.93
	Mid	16QAM	13.48	14.88
	Mid	64QAM	13.50	14.86
	High	QPSK	13.47	14.90
	High	16QAM	13.50	14.88
	High	64QAM	13.48	14.81



LTE Band 26				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.37
	Low	16QAM	1.11	1.36
	Low	64QAM	1.11	1.34
	Mid	QPSK	1.11	1.35
	Mid	16QAM	1.12	1.39
	Mid	64QAM	1.11	1.35
	High	QPSK	1.11	1.33
	High	16QAM	1.11	1.37
	High	64QAM	1.09	1.40
3	Low	QPSK	2.72	3.10
	Low	16QAM	2.72	3.05
	Low	64QAM	2.72	3.10
	Mid	QPSK	2.72	3.07
	Mid	16QAM	2.72	3.08
	Mid	64QAM	2.72	3.07
	High	QPSK	2.71	3.15
	High	16QAM	2.71	3.08
	High	64QAM	2.71	3.06
5	Low	QPSK	4.52	5.12
	Low	16QAM	4.53	5.09
	Low	64QAM	4.52	5.13
	Mid	QPSK	4.52	5.18
	Mid	16QAM	4.53	5.11
	Mid	64QAM	4.52	5.16
	High	QPSK	4.51	5.10
	High	16QAM	4.52	5.11
	High	64QAM	4.53	5.12
10	Low	QPSK	9.00	9.94
	Low	16QAM	9.00	10.00
	Low	64QAM	9.02	10.04
	Mid	QPSK	9.01	10.02
	Mid	16QAM	9.02	10.00
	Mid	64QAM	8.99	10.04
	High	QPSK	8.99	10.15
	High	16QAM	9.00	10.03
	High	64QAM	8.97	9.93



15	Low	QPSK	13.50	14.92
	Low	16QAM	13.50	15.03
	Low	64QAM	13.52	14.99
	Mid	QPSK	13.49	15.11
	Mid	16QAM	13.47	14.81
	Mid	64QAM	13.50	14.85
	High	QPSK	13.46	14.85
	High	16QAM	13.44	14.86
	High	64QAM	13.47	14.79



LTE Band 38				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.53	5.12
	Low	16QAM	4.53	5.09
	Low	64QAM	4.52	5.18
	Mid	QPSK	4.51	5.31
	Mid	16QAM	4.53	5.39
	Mid	64QAM	4.50	5.20
	High	QPSK	4.53	5.11
	High	16QAM	4.53	5.22
	High	64QAM	4.51	5.37
10	Low	QPSK	9.04	10.03
	Low	16QAM	9.04	9.94
	Low	64QAM	9.01	10.86
	Mid	QPSK	9.01	10.49
	Mid	16QAM	9.03	10.47
	Mid	64QAM	9.00	10.50
	High	QPSK	9.03	10.51
	High	16QAM	9.02	9.99
	High	64QAM	8.98	10.30
15	Low	QPSK	13.51	15.17
	Low	16QAM	13.50	15.87
	Low	64QAM	13.51	15.26
	Mid	QPSK	13.54	16.24
	Mid	16QAM	13.53	15.01
	Mid	64QAM	13.50	15.79
	High	QPSK	13.49	15.76
	High	16QAM	13.51	16.38
	High	64QAM	13.50	15.84
20	Low	QPSK	17.99	19.78
	Low	16QAM	18.03	20.01
	Low	64QAM	18.01	21.76
	Mid	QPSK	18.00	20.45
	Mid	16QAM	17.98	21.36
	Mid	64QAM	17.98	20.44
	High	QPSK	17.99	19.82
	High	16QAM	18.00	21.69
	High	64QAM	18.01	20.60



LTE Band 40, Block A				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.52	5.11
	Low	16QAM	4.52	5.28
	Low	64QAM	4.51	5.36
	Mid	QPSK	4.52	5.23
	Mid	16QAM	4.51	5.15
	Mid	64QAM	4.52	5.26
	High	QPSK	4.53	5.47
	High	16QAM	4.51	5.24
	High	64QAM	4.51	5.23
10	Mid	QPSK	9.00	10.58
	Mid	16QAM	9.02	10.01
	Mid	64QAM	9.01	10.57

LTE Band 40, Block B				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.52	5.19
	Low	16QAM	4.52	5.20
	Low	64QAM	4.50	5.19
	Mid	QPSK	4.45	4.80
	Mid	16QAM	4.52	5.19
	Mid	64QAM	4.52	5.09
	High	QPSK	4.53	5.14
	High	16QAM	4.52	5.23
	High	64QAM	4.54	5.12
10	Mid	QPSK	9.02	10.61
	Mid	16QAM	8.98	9.96
	Mid	64QAM	9.02	11.05



LTE Band 41				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.52	5.33
	Low	16QAM	4.54	5.29
	Low	64QAM	4.50	5.44
	Mid	QPSK	4.52	5.48
	Mid	16QAM	4.52	5.23
	Mid	64QAM	4.52	5.42
	High	QPSK	4.50	5.15
	High	16QAM	4.53	5.55
	High	64QAM	4.52	5.21
10	Low	QPSK	9.01	10.18
	Low	16QAM	9.01	10.82
	Low	64QAM	9.01	9.93
	Mid	QPSK	8.98	10.12
	Mid	16QAM	9.00	11.41
	Mid	64QAM	9.02	10.18
	High	QPSK	9.02	10.41
	High	16QAM	9.03	10.19
	High	64QAM	9.02	10.06
15	Low	QPSK	13.49	15.83
	Low	16QAM	13.52	15.67
	Low	64QAM	13.50	14.93
	Mid	QPSK	13.53	15.80
	Mid	16QAM	13.49	14.98
	Mid	64QAM	13.52	14.89
	High	QPSK	13.51	14.86
	High	16QAM	13.48	16.95
	High	64QAM	13.49	15.21
20	Low	QPSK	17.98	19.76
	Low	16QAM	17.97	20.37
	Low	64QAM	18.02	20.22
	Mid	QPSK	18.00	20.31
	Mid	16QAM	18.00	21.52
	Mid	64QAM	17.99	22.97
	High	QPSK	17.97	20.24
	High	16QAM	18.04	20.17
	High	64QAM	18.01	20.95



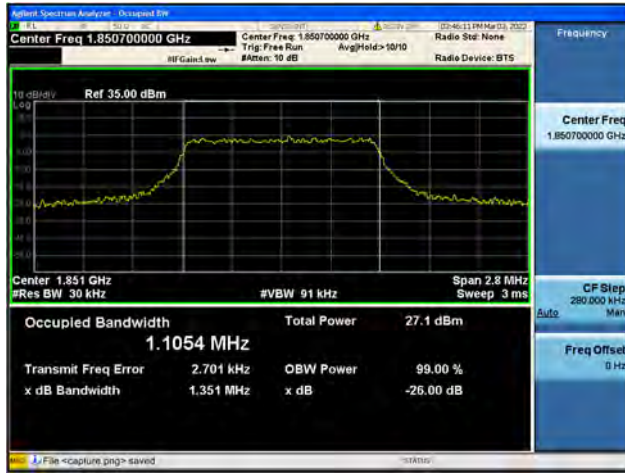
LTE Band 66				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.11	1.36
	Low	16QAM	1.10	1.37
	Low	64QAM	1.11	1.36
	Mid	QPSK	1.10	1.36
	Mid	16QAM	1.10	1.37
	Mid	64QAM	1.10	1.37
	High	QPSK	1.11	1.37
	High	16QAM	1.11	1.37
	High	64QAM	1.11	1.37
3	Low	QPSK	2.71	3.09
	Low	16QAM	2.71	3.06
	Low	64QAM	2.73	3.05
	Mid	QPSK	2.71	3.09
	Mid	16QAM	2.72	3.05
	Mid	64QAM	2.71	3.06
	High	QPSK	2.71	3.07
	High	16QAM	2.71	3.03
	High	64QAM	2.71	3.04
5	Low	QPSK	4.53	5.14
	Low	16QAM	4.52	5.09
	Low	64QAM	4.52	5.15
	Mid	QPSK	4.53	5.14
	Mid	16QAM	4.51	5.06
	Mid	64QAM	4.52	5.17
	High	QPSK	4.52	5.15
	High	16QAM	4.53	5.18
	High	64QAM	4.52	5.13
10	Low	QPSK	9.03	10.02
	Low	16QAM	9.03	10.06
	Low	64QAM	9.02	9.98
	Mid	QPSK	9.00	10.29
	Mid	16QAM	9.00	9.87
	Mid	64QAM	9.00	10.01
	High	QPSK	9.02	10.08
	High	16QAM	9.01	10.04
	High	64QAM	9.01	10.03



15	Low	QPSK	13.49	14.88
	Low	16QAM	13.50	14.78
	Low	64QAM	13.46	14.77
	Mid	QPSK	13.49	14.98
	Mid	16QAM	13.51	14.92
	Mid	64QAM	13.47	14.78
	High	QPSK	13.51	14.85
	High	16QAM	13.47	14.98
	High	64QAM	13.48	14.82
20	Low	QPSK	18.01	19.69
	Low	16QAM	18.03	19.65
	Low	64QAM	17.97	19.91
	Mid	QPSK	18.01	19.84
	Mid	16QAM	18.02	19.85
	Mid	64QAM	17.98	19.66
	High	QPSK	17.98	19.70
	High	16QAM	18.05	19.72
	High	64QAM	17.96	19.67



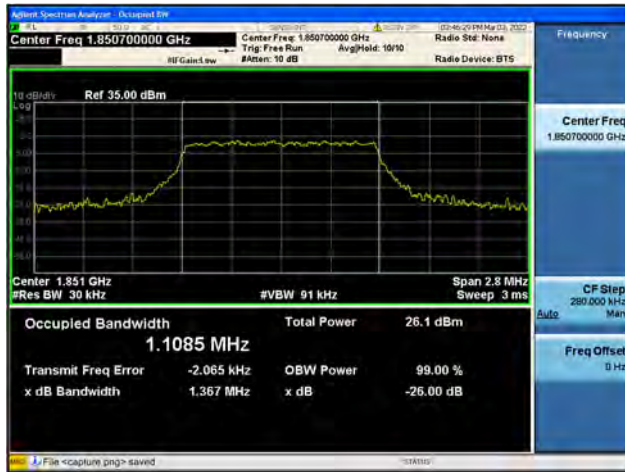
Band2 / 1.4MHz / Low CH / QPSK



Band2 / 1.4MHz / Low CH / 16QAM



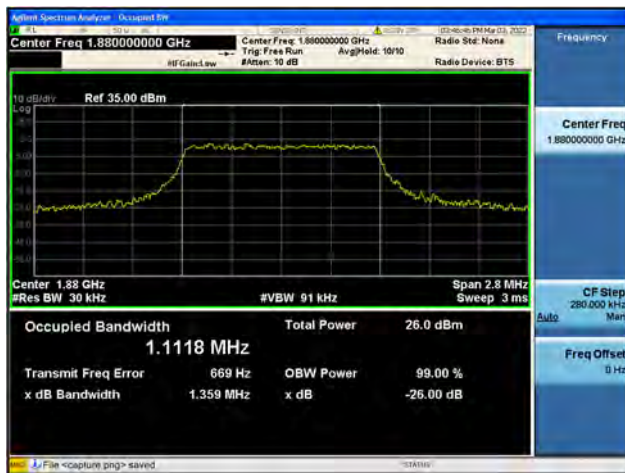
Band2 / 1.4MHz / Low CH / 64QAM



Band2 / 1.4MHz / Mid CH / QPSK



Band2 / 1.4MHz / Mid CH / 16QAM

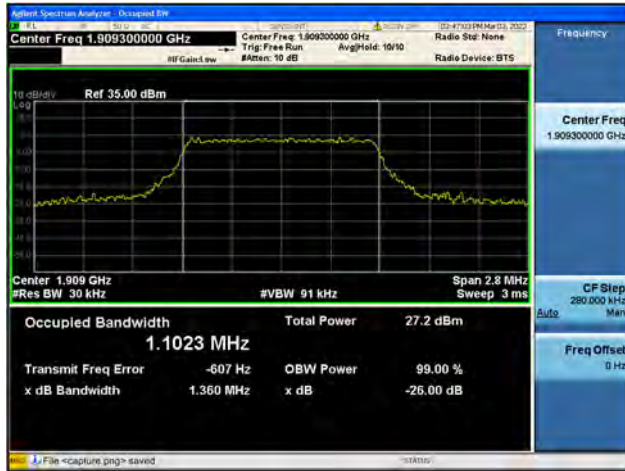


Band2 / 1.4MHz / Mid CH / 64QAM

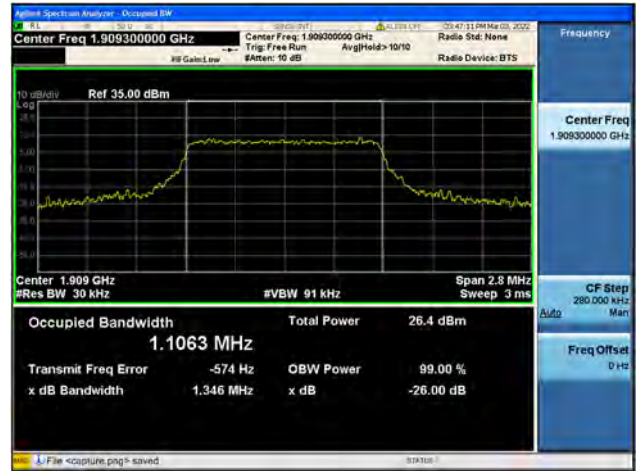




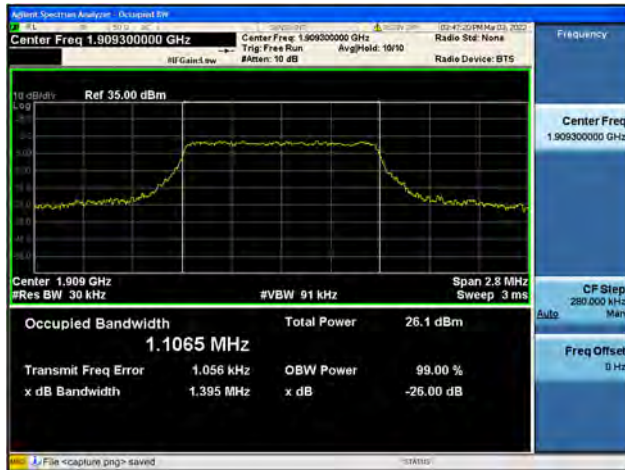
Band2 / 1.4MHz / High CH / QPSK



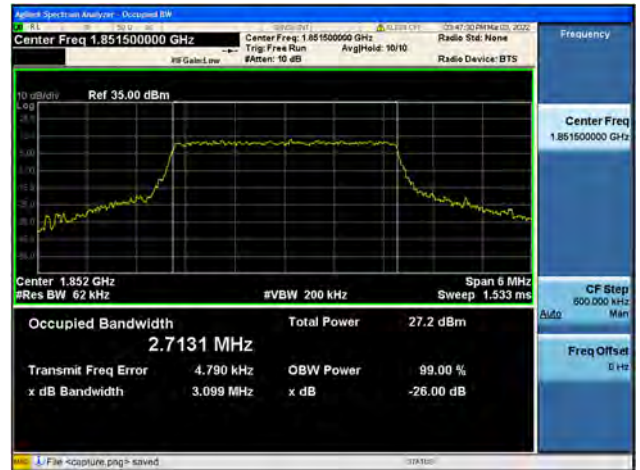
Band2 / 1.4MHz / High CH / 16QAM



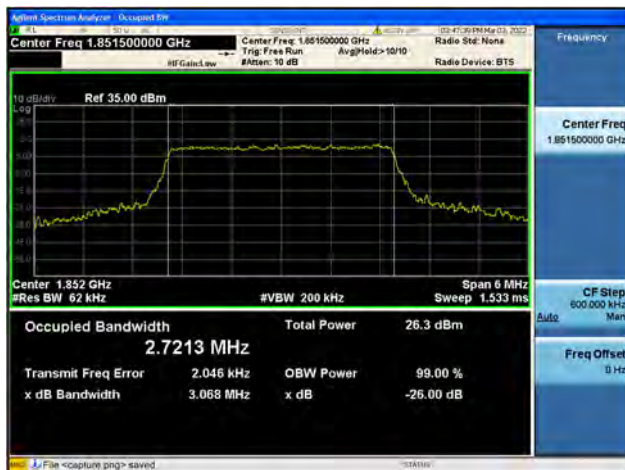
Band2 / 1.4MHz / High CH / 64QAM



Band2 / 3MHz / Low CH / QPSK



Band2 / 3MHz / Low CH / 16QAM



Band2 / 3MHz / Low CH / 64QAM





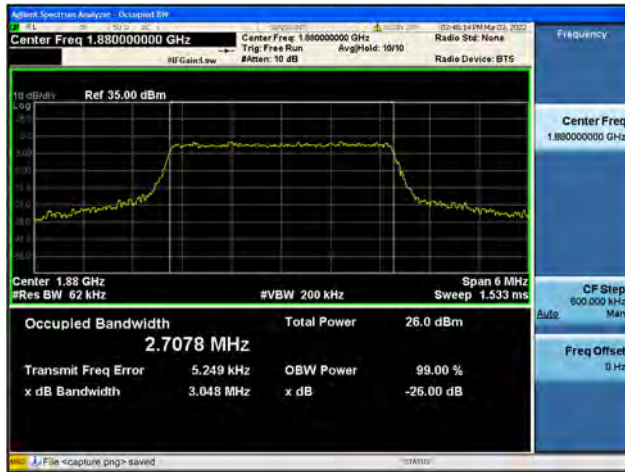
Band2 / 3MHz / Mid CH / QPSK



Band2 / 3MHz / Mid CH / 16QAM



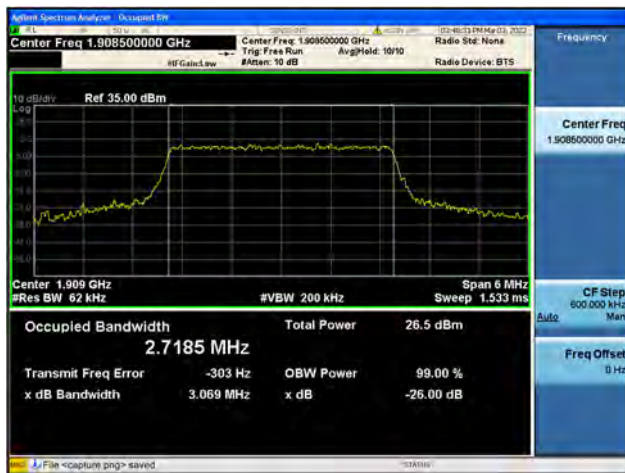
Band2 / 3MHz / Mid CH / 64QAM



Band2 / 3MHz / High CH / QPSK



Band2 / 3MHz / High CH / 16QAM



Band2 / 3MHz / High CH / 64QAM





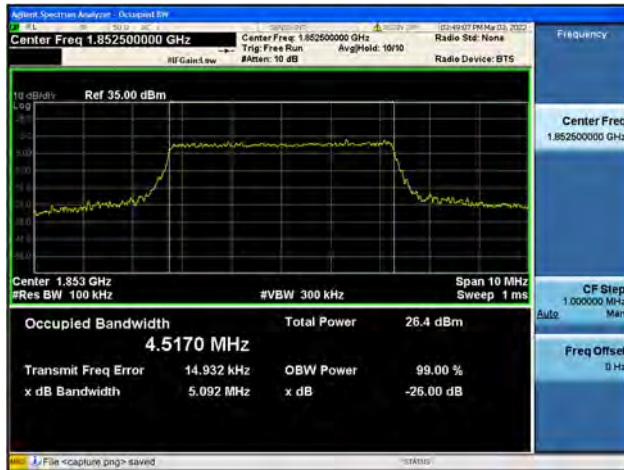
Band2 / 5MHz / Low CH / QPSK



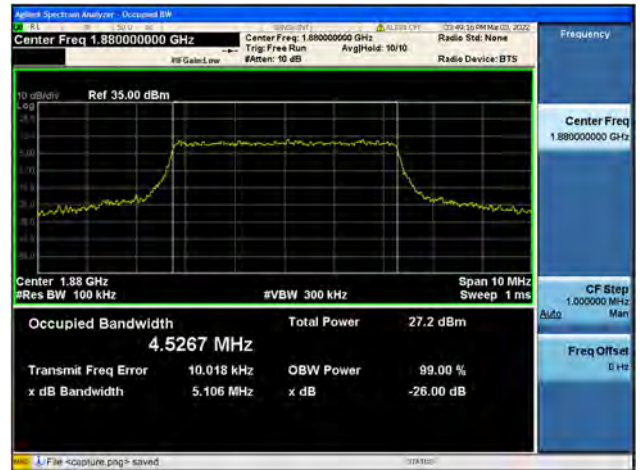
Band2 / 5MHz / Low CH / 16QAM



Band2 / 5MHz / Low CH / 64QAM



Band2 / 5MHz / Mid CH / QPSK



Band2 / 5MHz / Mid CH / 16QAM

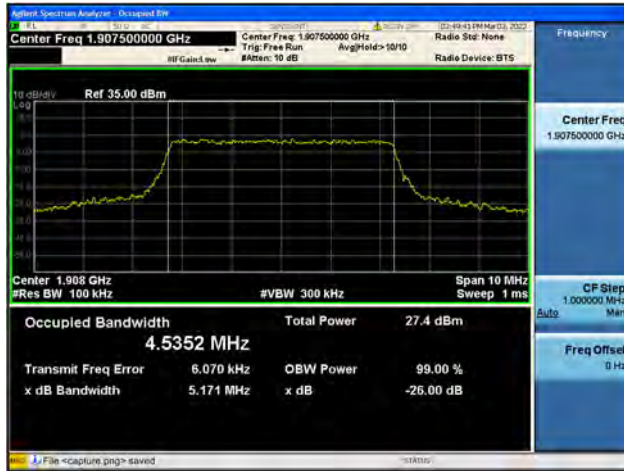


Band2 / 5MHz / Mid CH / 64QAM





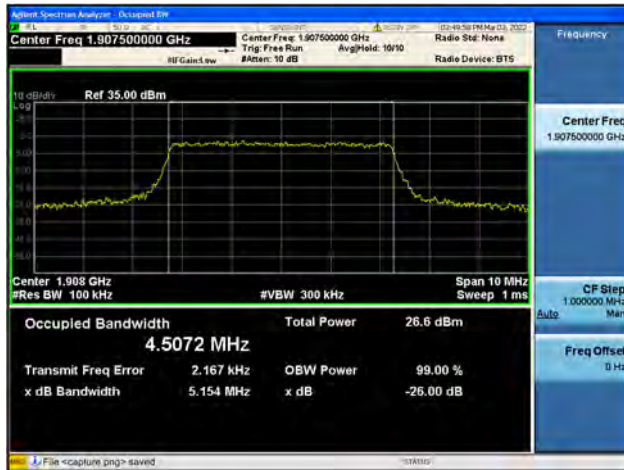
Band2 / 5MHz / High CH / QPSK



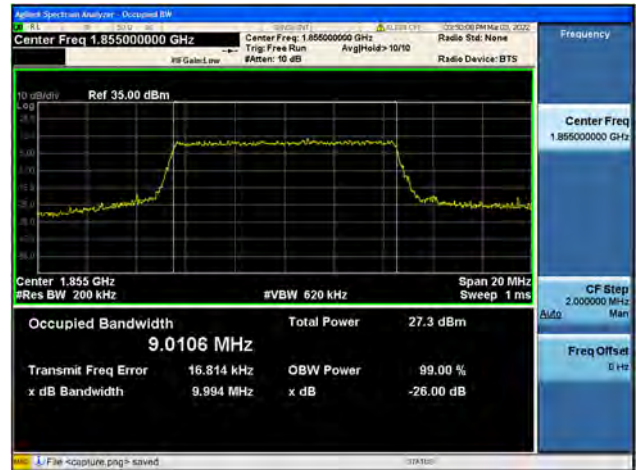
Band2 / 5MHz / High CH / 16QAM



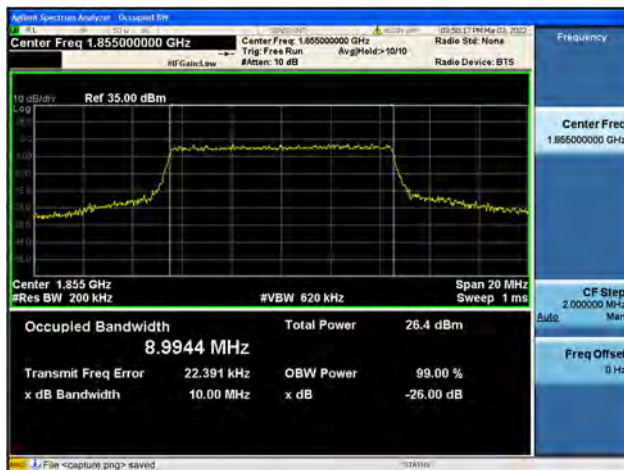
Band2 / 5MHz / High CH / 64QAM



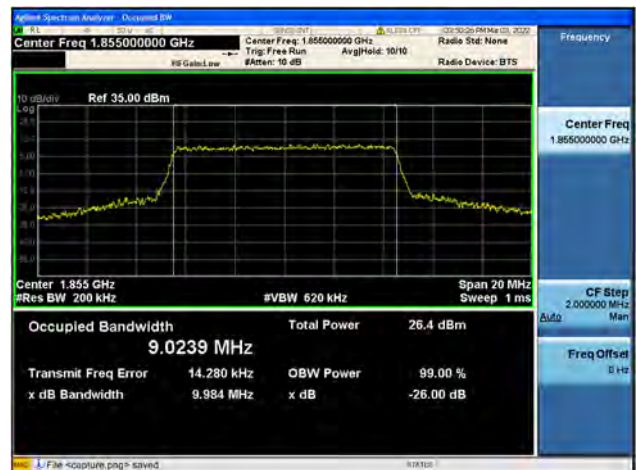
Band2 / 10MHz / Low CH / QPSK



Band2 / 10MHz / Low CH / 16QAM



Band2 / 10MHz / Low CH / 64QAM

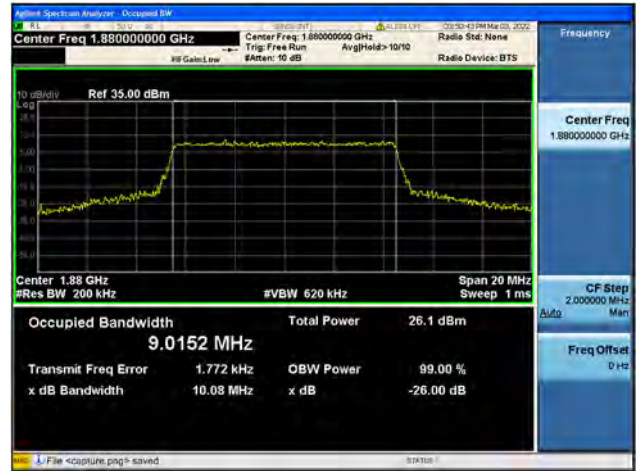




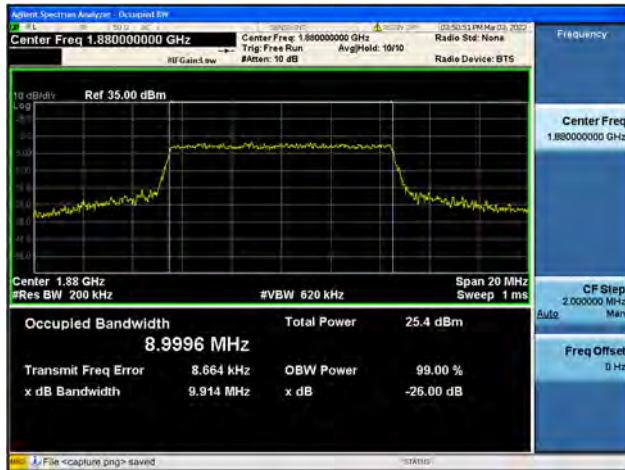
Band2 / 10MHz / Mid CH / QPSK



Band2 / 10MHz / Mid CH / 16QAM



Band2 / 10MHz / Mid CH / 64QAM



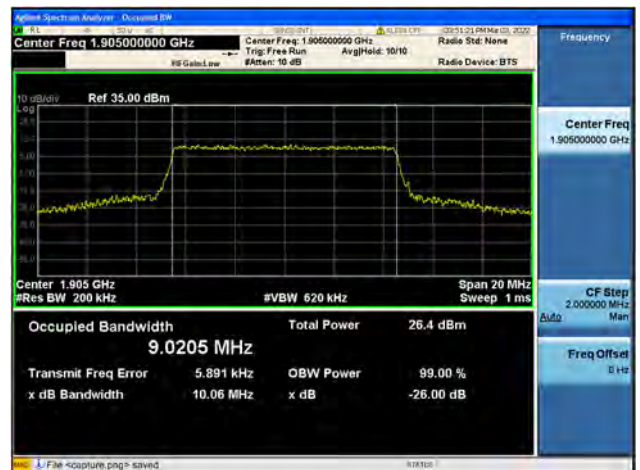
Band2 / 10MHz / High CH / QPSK



Band2 / 10MHz / High CH / 16QAM

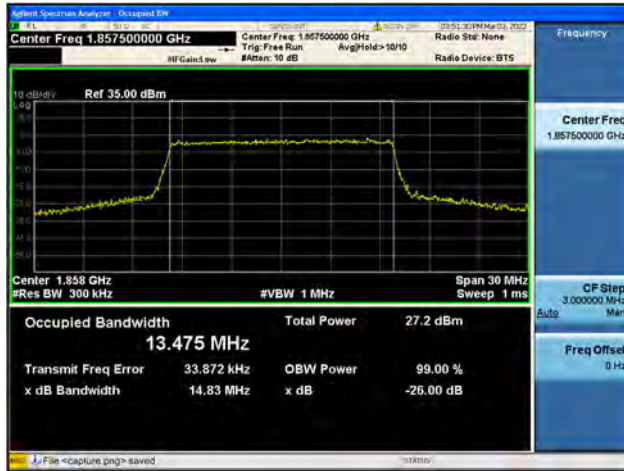


Band2 / 10MHz / High CH / 64QAM

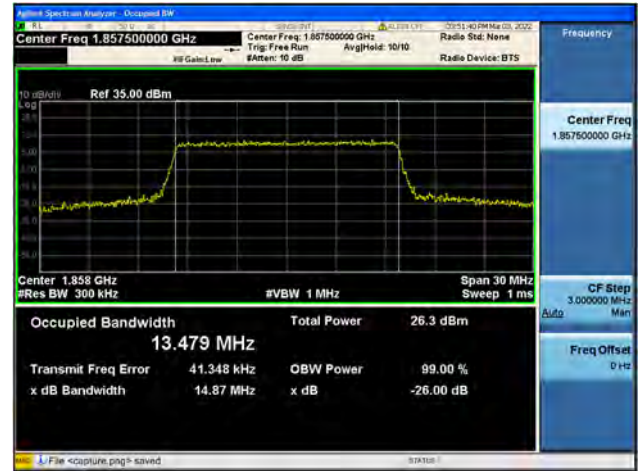




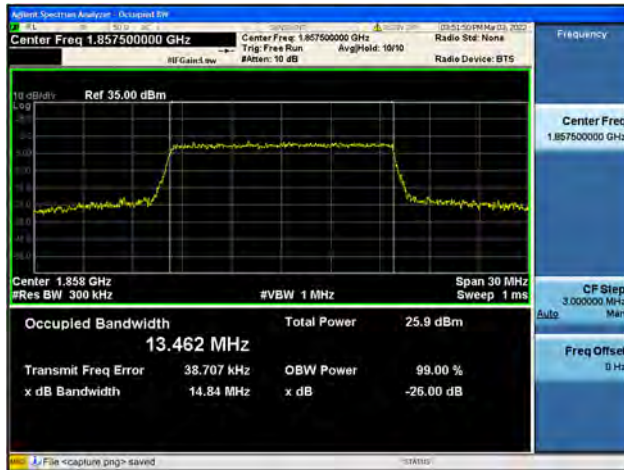
Band2 / 15MHz / Low CH / QPSK



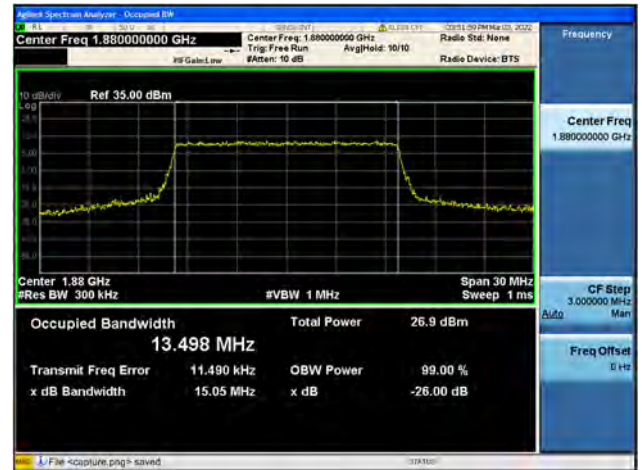
Band2 / 15MHz / Low CH / 16QAM



Band2 / 15MHz / Low CH / 64QAM



Band2 / 15MHz / Mid CH / QPSK



Band2 / 15MHz / Mid CH / 16QAM

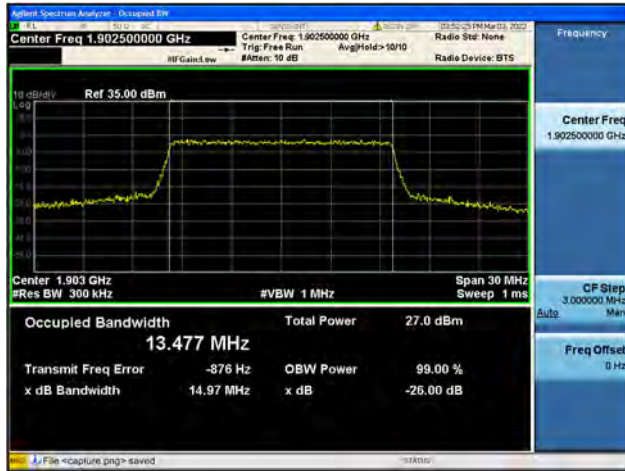


Band2 / 15MHz / Mid CH / 64QAM





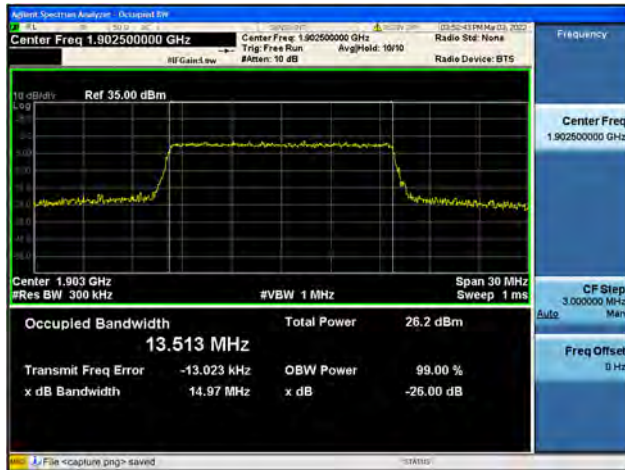
Band2 / 15MHz / High CH / QPSK



Band2 / 15MHz / High CH / 16QAM



Band2 / 15MHz / High CH / 64QAM



Band2 / 20MHz / Low CH / QPSK



Band2 / 20MHz / Low CH / 16QAM

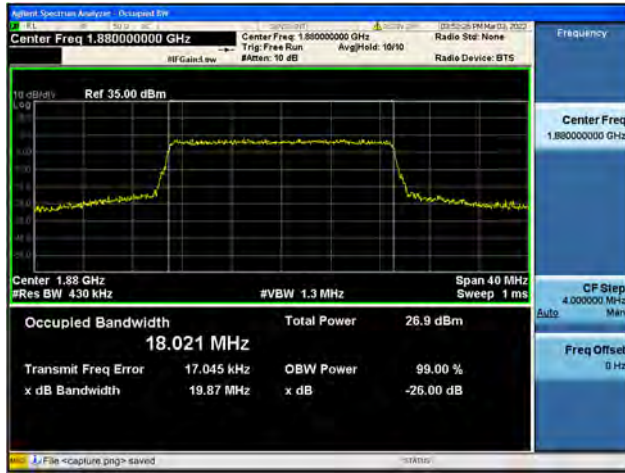


Band2 / 20MHz / Low CH / 64QAM





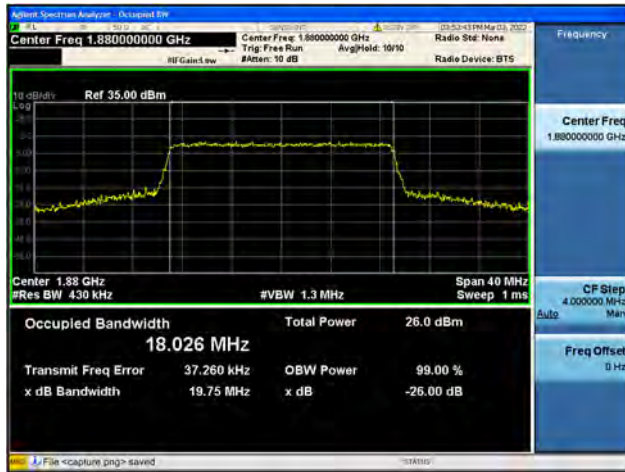
Band2 / 20MHz / Mid CH / QPSK



Band2 / 20MHz / Mid CH / 16QAM



Band2 / 20MHz / Mid CH / 64QAM



Band2 / 20MHz / High CH / QPSK



Band2 / 20MHz / High CH / 16QAM

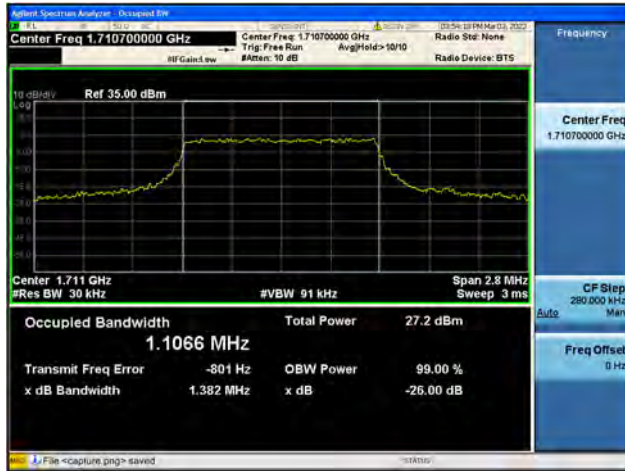


Band2 / 20MHz / High CH / 64QAM

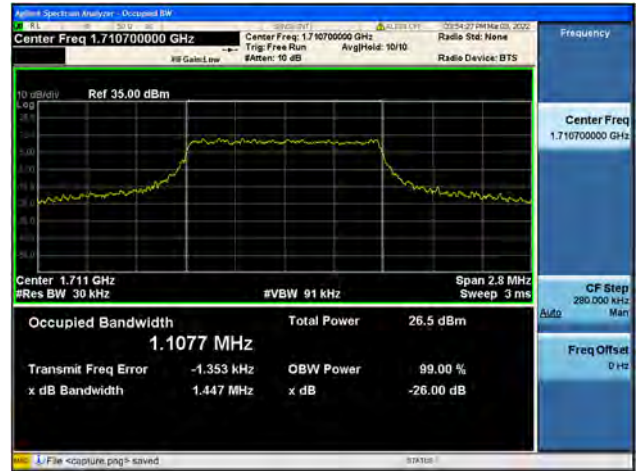




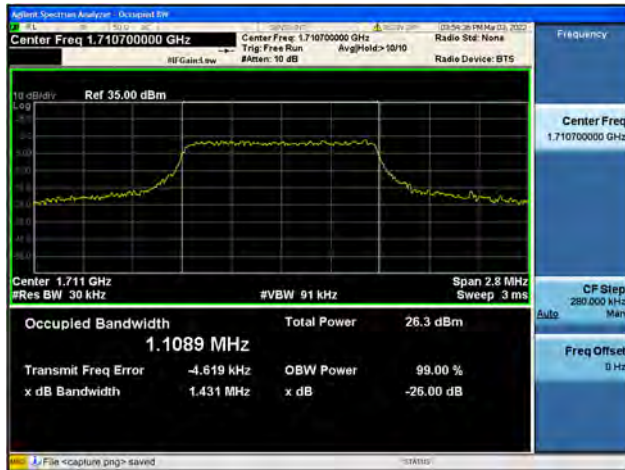
Band4 / 1.4MHz / Low CH / QPSK



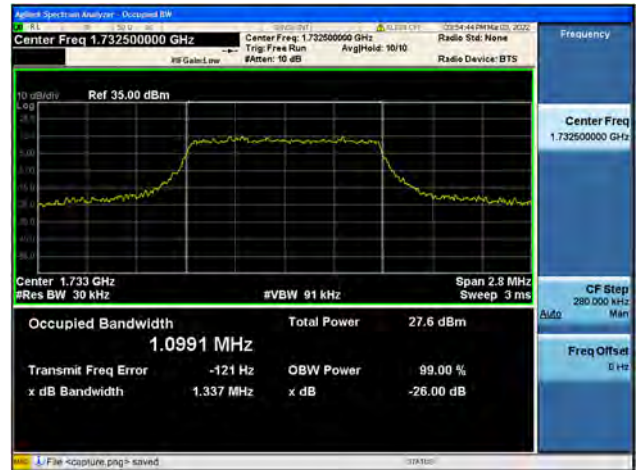
Band4 / 1.4MHz / Low CH / 16QAM



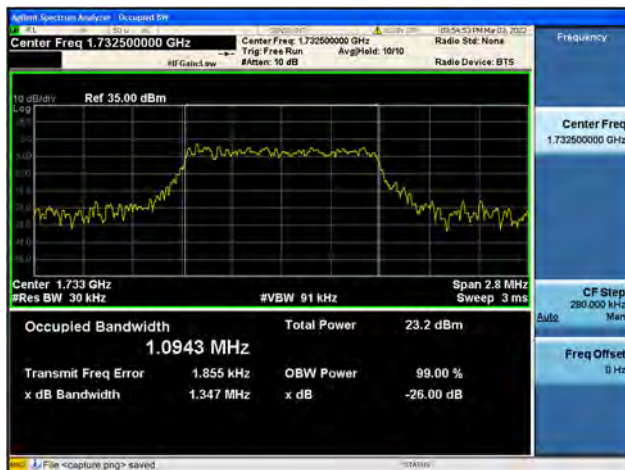
Band4 / 1.4MHz / Low CH / 64QAM



Band4 / 1.4MHz / Mid CH / QPSK



Band4 / 1.4MHz / Mid CH / 16QAM

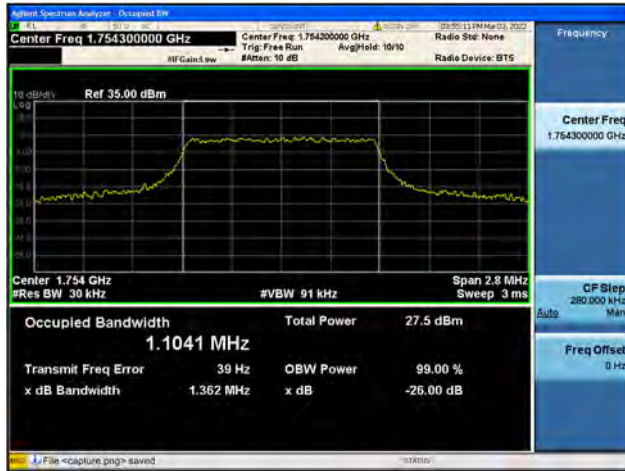


Band4 / 1.4MHz / Mid CH / 64QAM

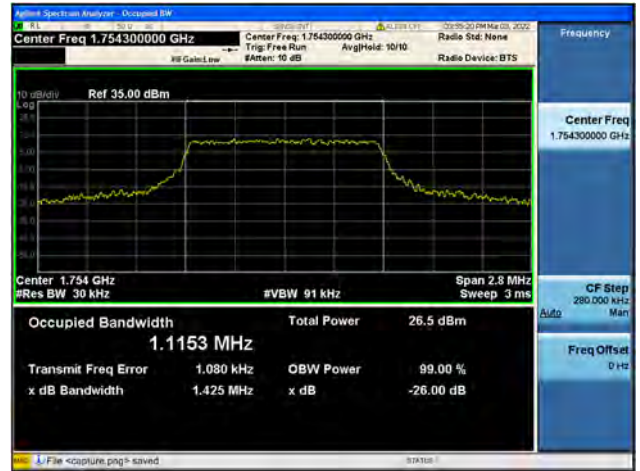




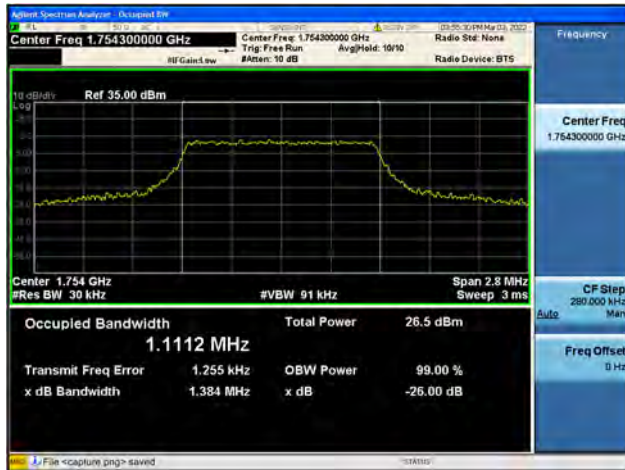
Band4 / 1.4MHz / High CH / QPSK



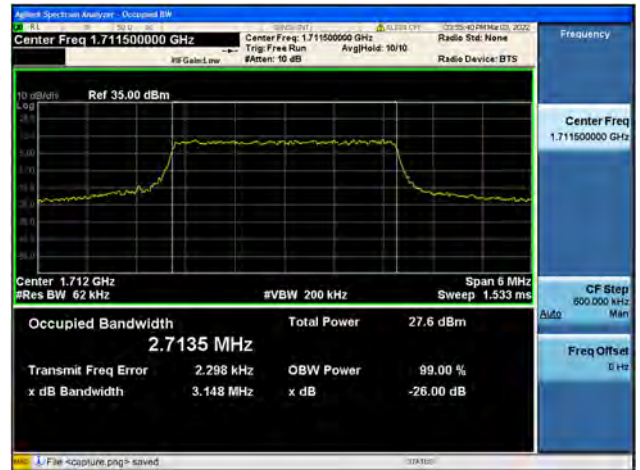
Band4 / 1.4MHz / High CH / 16QAM



Band4 / 1.4MHz / High CH / 64QAM



Band4 / 3MHz / Low CH / QPSK



Band4 / 3MHz / Low CH / 16QAM



Band4 / 3MHz / Low CH / 64QAM

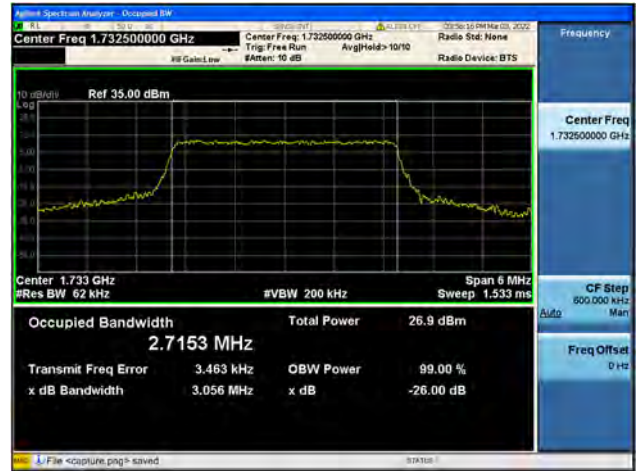




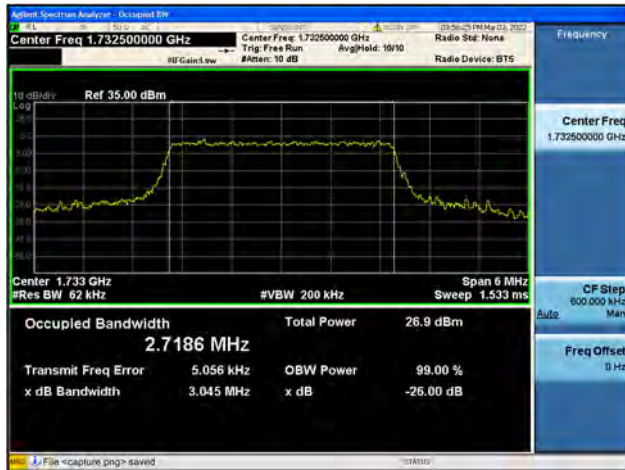
Band4 / 3MHz / Mid CH / QPSK



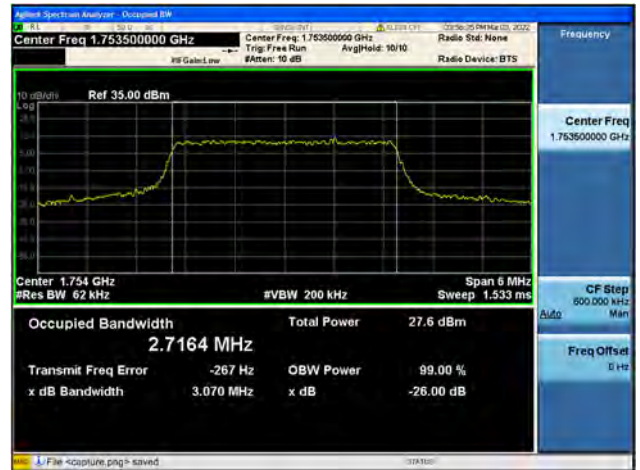
Band4 / 3MHz / Mid CH / 16QAM



Band4 / 3MHz / Mid CH / 64QAM



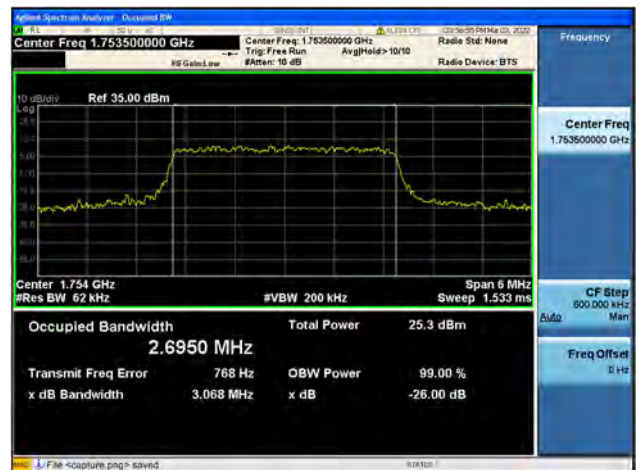
Band4 / 3MHz / High CH / QPSK



Band4 / 3MHz / High CH / 16QAM

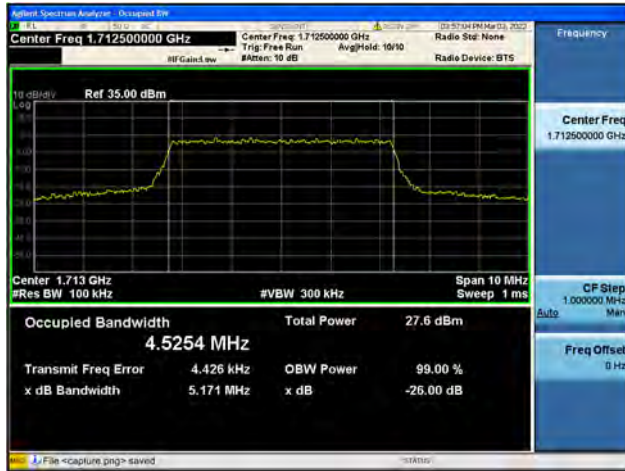


Band4 / 3MHz / High CH / 64QAM





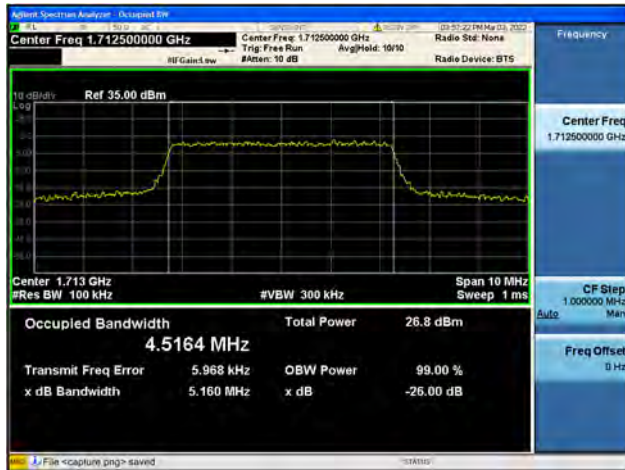
Band4 / 5MHz / Low CH / QPSK



Band4 / 5MHz / Low CH / 16QAM



Band4 / 5MHz / Low CH / 64QAM



Band4 / 5MHz / Mid CH / QPSK



Band4 / 5MHz / Mid CH / 16QAM



Band4 / 5MHz / Mid CH / 64QAM





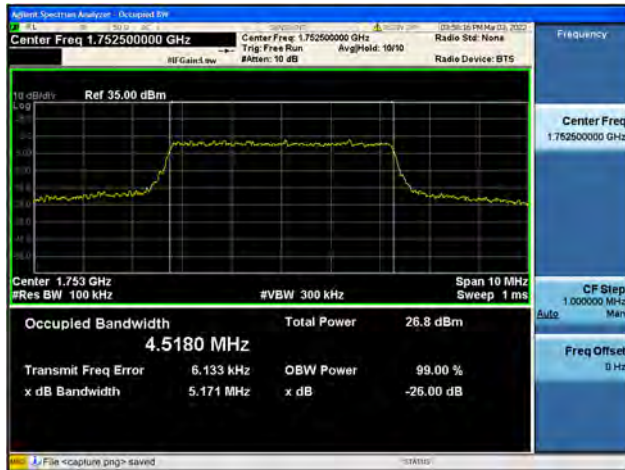
Band4 / 5MHz / High CH / QPSK



Band4 / 5MHz / High CH / 16QAM



Band4 / 5MHz / High CH / 64QAM



Band4 / 10MHz / Low CH / QPSK



Band4 / 10MHz / Low CH / 16QAM



Band4 / 10MHz / Low CH / 64QAM





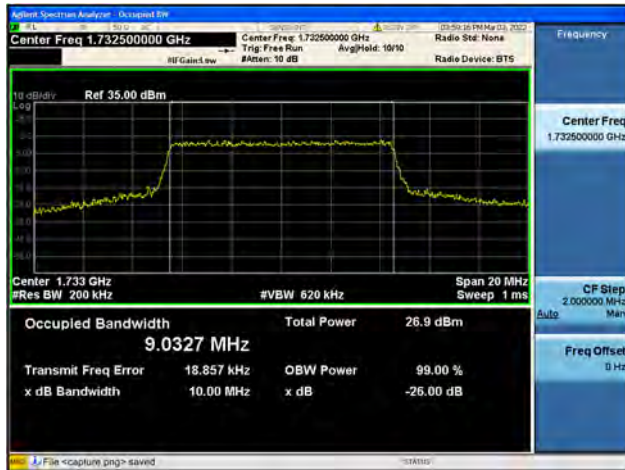
Band4 / 10MHz / Mid CH / QPSK



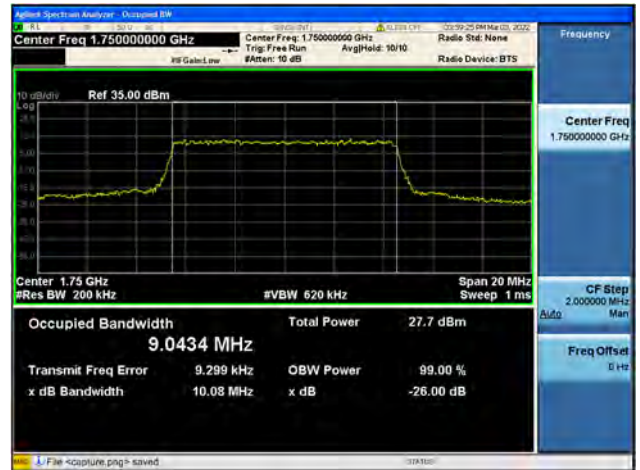
Band4 / 10MHz / Mid CH / 16QAM



Band4 / 10MHz / Mid CH / 64QAM



Band4 / 10MHz / High CH / QPSK



Band4 / 10MHz / High CH / 16QAM

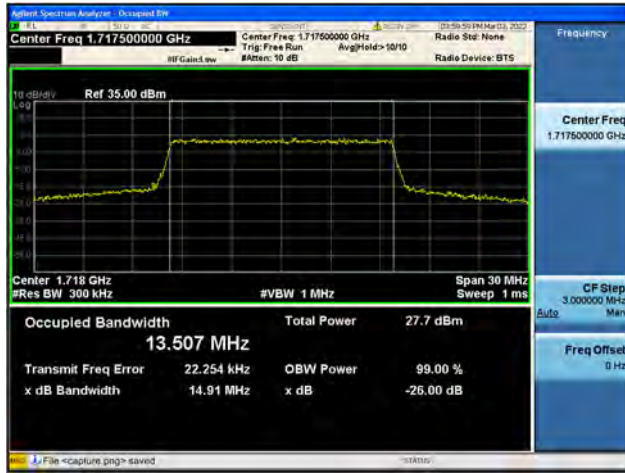


Band4 / 10MHz / High CH / 64QAM





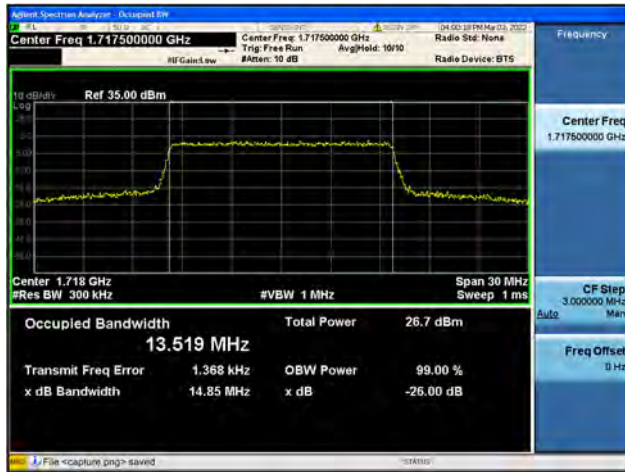
Band4 / 15MHz / Low CH / QPSK



Band4 / 15MHz / Low CH / 16QAM



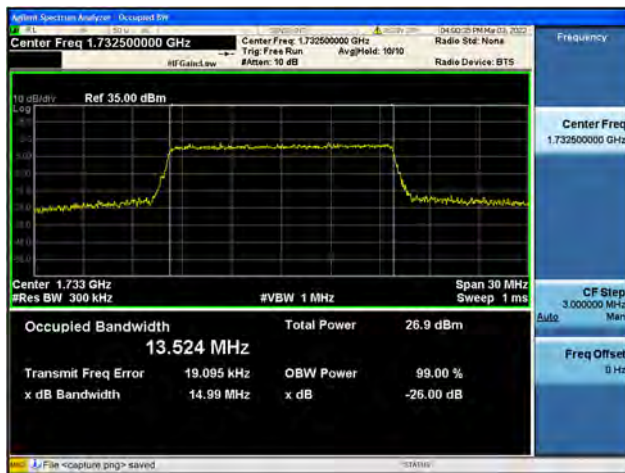
Band4 / 15MHz / Low CH / 64QAM



Band4 / 15MHz / Mid CH / QPSK



Band4 / 15MHz / Mid CH / 16QAM

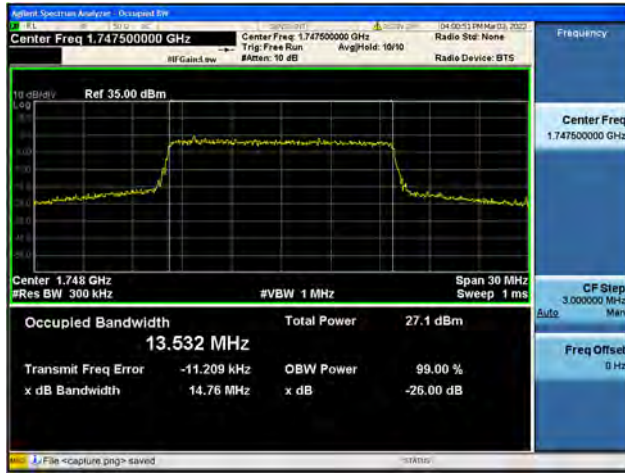


Band4 / 15MHz / Mid CH / 64QAM





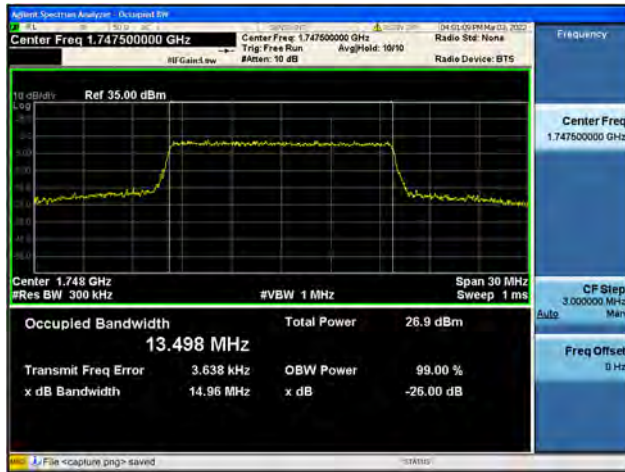
Band4 / 15MHz / High CH / QPSK



Band4 / 15MHz / High CH / 16QAM



Band4 / 15MHz / High CH / 64QAM



Band4 / 20MHz / Low CH / QPSK



Band4 / 20MHz / Low CH / 16QAM

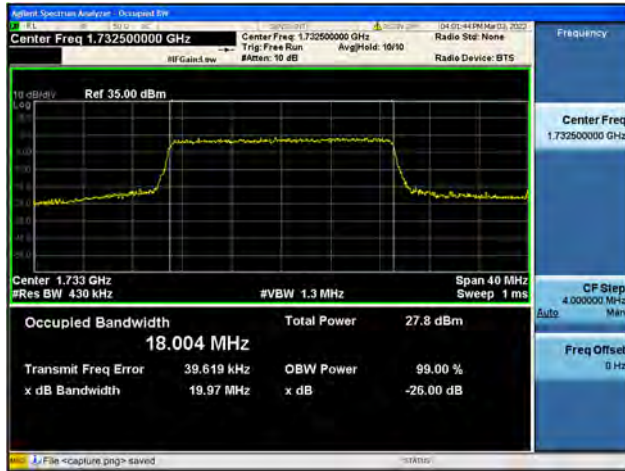


Band4 / 20MHz / Low CH / 64QAM





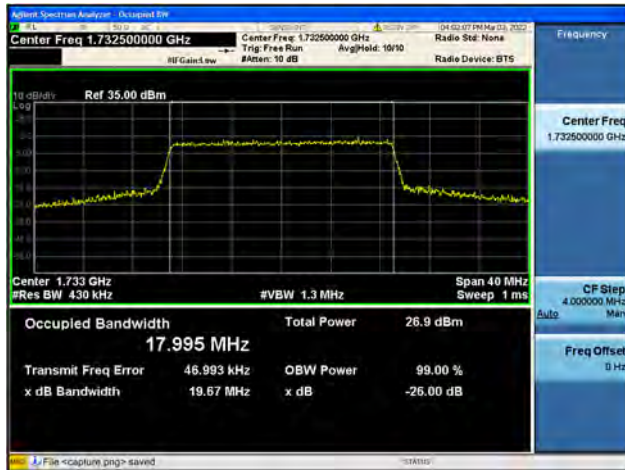
Band4 / 20MHz / Mid CH / QPSK



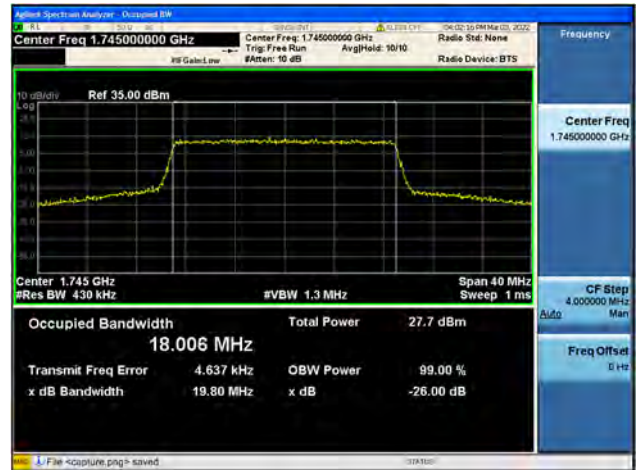
Band4 / 20MHz / Mid CH / 16QAM



Band4 / 20MHz / Mid CH / 64QAM



Band4 / 20MHz / High CH / QPSK



Band4 / 20MHz / High CH / 16QAM

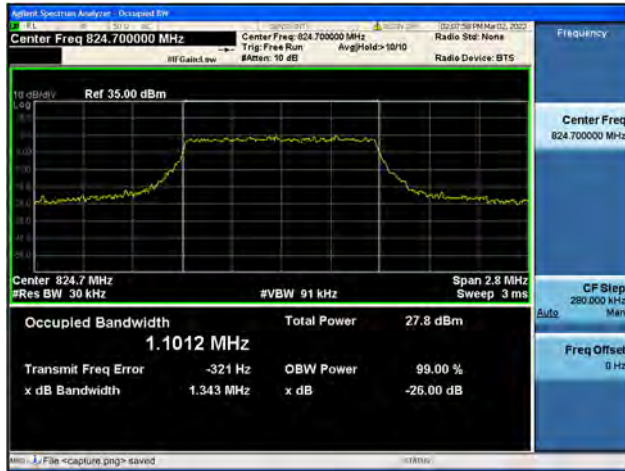


Band4 / 20MHz / High CH / 64QAM

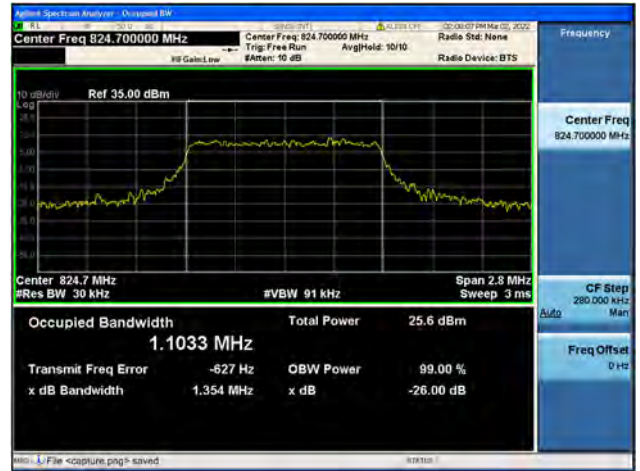




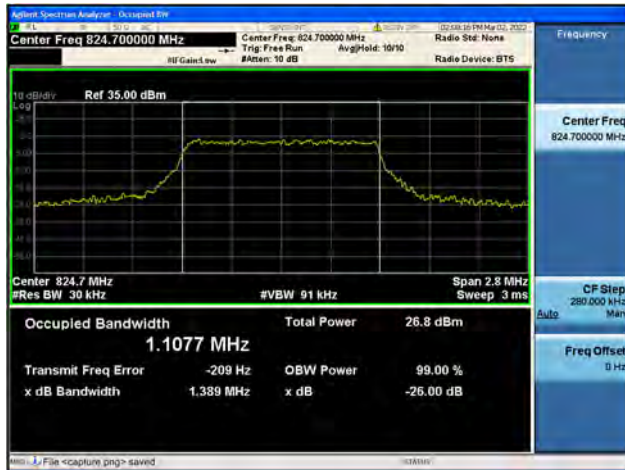
Band5 / 1.4MHz / Low CH / QPSK



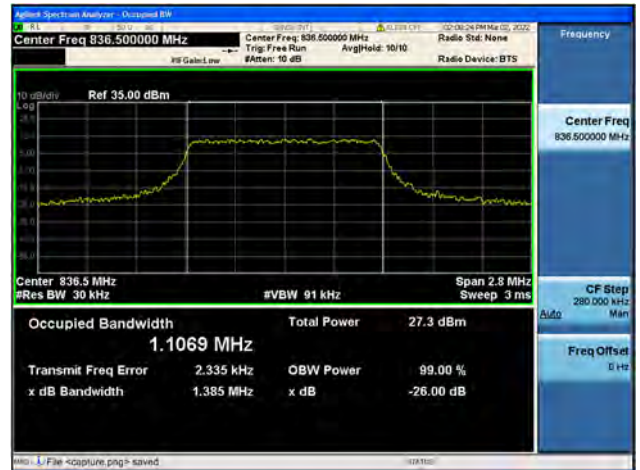
Band5 / 1.4MHz / Low CH / 16QAM



Band5 / 1.4MHz / Low CH / 64QAM



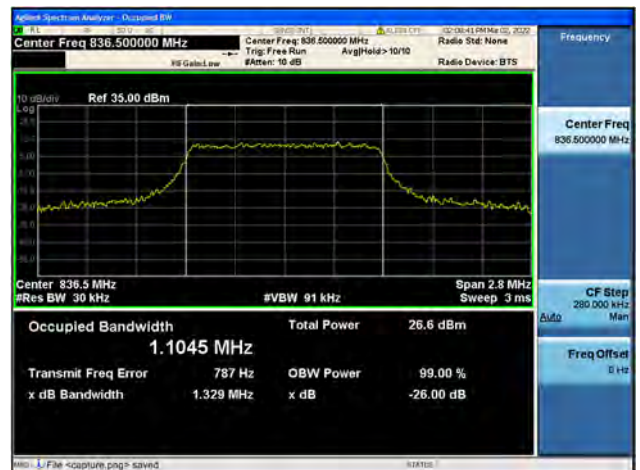
Band5 / 1.4MHz / Mid CH / QPSK



Band5 / 1.4MHz / Mid CH / 16QAM



Band5 / 1.4MHz / Mid CH / 64QAM

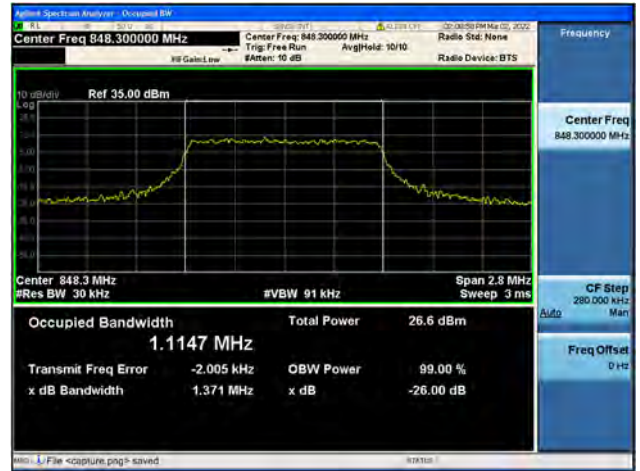




Band5 / 1.4MHz / High CH / QPSK



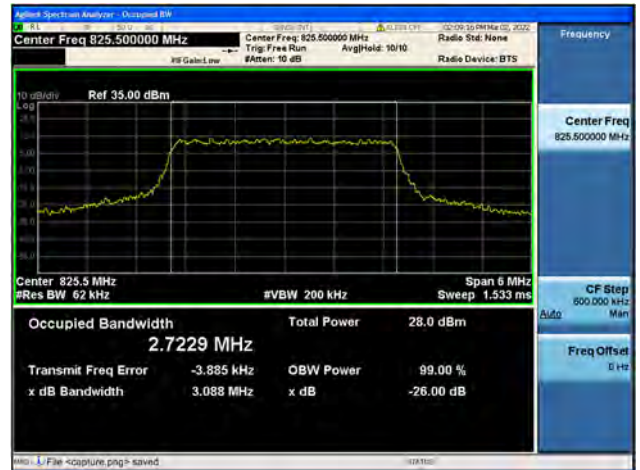
Band5 / 1.4MHz / High CH / 16QAM



Band5 / 1.4MHz / High CH / 64QAM



Band5 / 3MHz / Low CH / QPSK



Band5 / 3MHz / Low CH / 16QAM

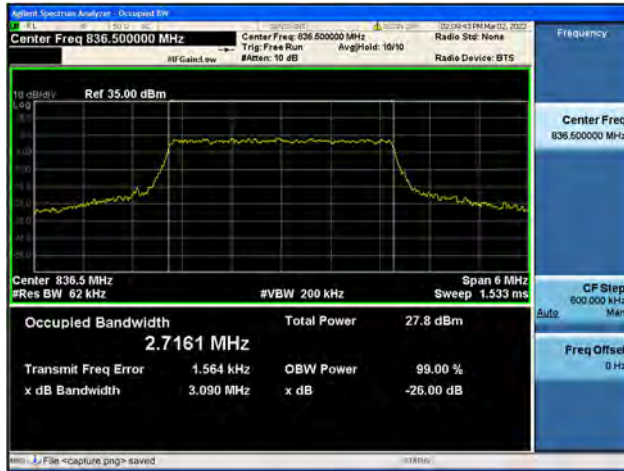


Band5 / 3MHz / Low CH / 64QAM





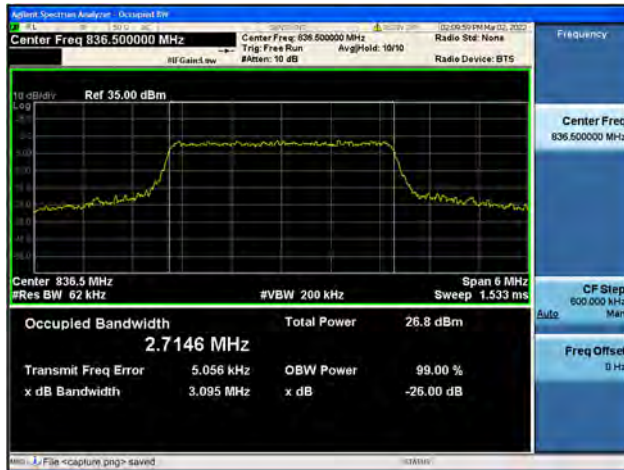
Band5 / 3MHz / Mid CH / QPSK



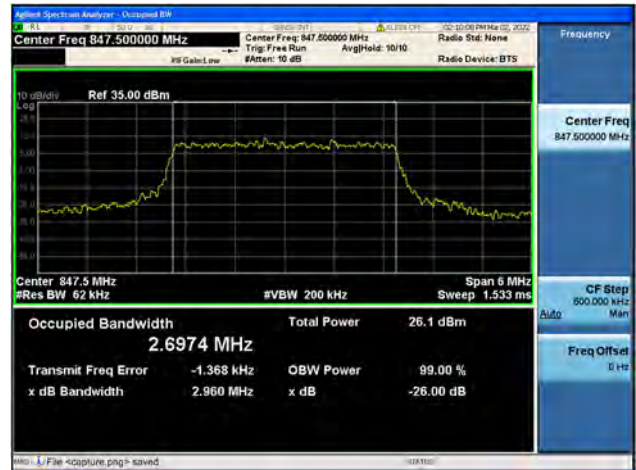
Band5 / 3MHz / Mid CH / 16QAM



Band5 / 3MHz / Mid CH / 64QAM



Band5 / 3MHz / High CH / QPSK



Band5 / 3MHz / High CH / 16QAM

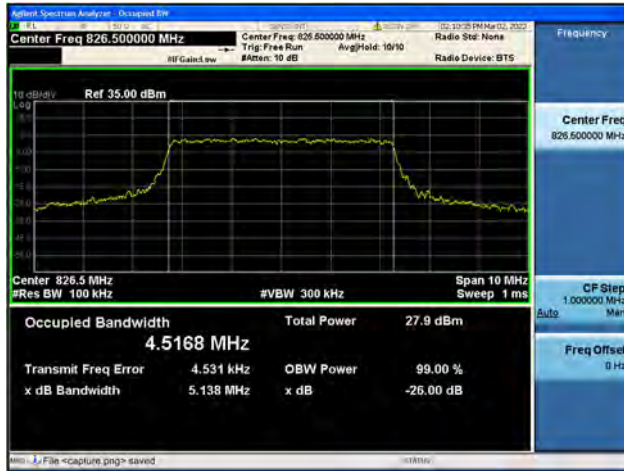


Band5 / 3MHz / High CH / 64QAM





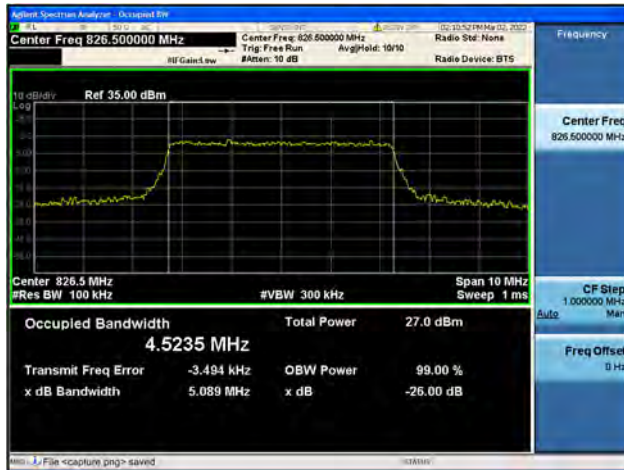
Band5 / 5MHz / Low CH / QPSK



Band5 / 5MHz / Low CH / 16QAM



Band5 / 5MHz / Low CH / 64QAM



Band5 / 5MHz / Mid CH / QPSK



Band5 / 5MHz / Mid CH / 16QAM



Band5 / 5MHz / Mid CH / 64QAM





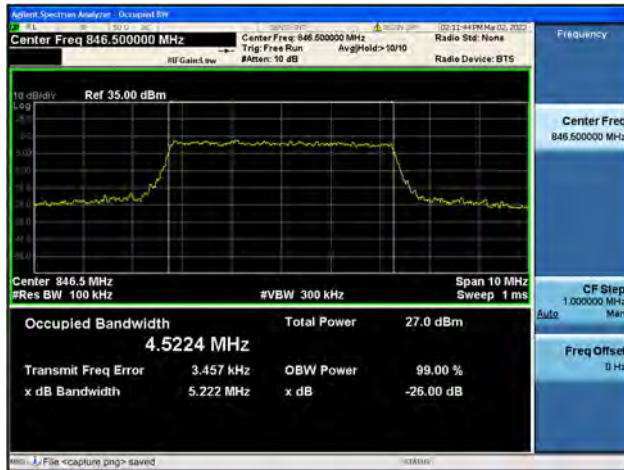
Band5 / 5MHz / High CH / QPSK



Band5 / 5MHz / High CH / 16QAM



Band5 / 5MHz / High CH / 64QAM



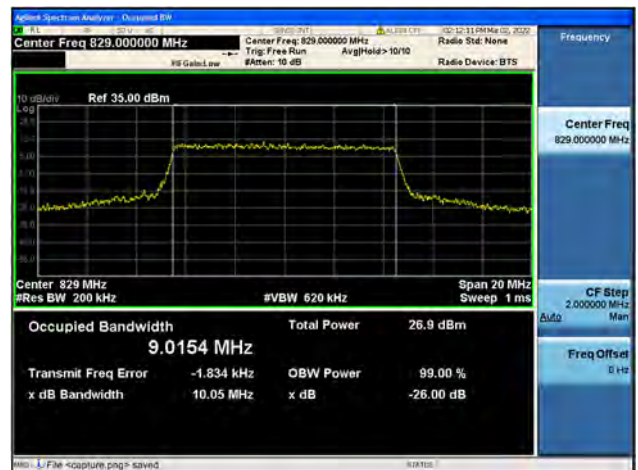
Band5 / 10MHz / Low CH / QPSK



Band5 / 10MHz / Low CH / 16QAM



Band5 / 10MHz / Low CH / 64QAM





Band5 / 10MHz / Mid CH / QPSK



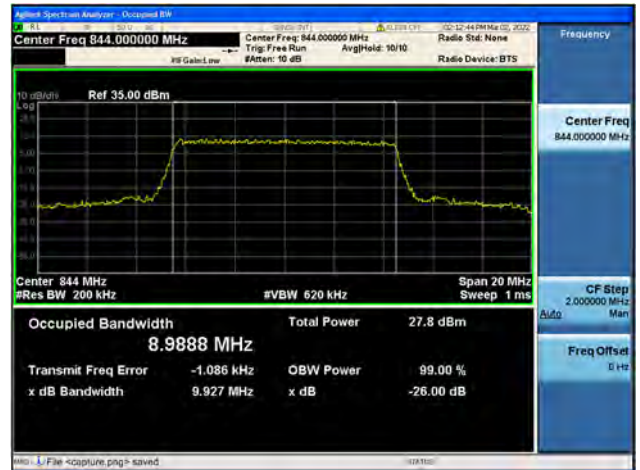
Band5 / 10MHz / Mid CH / 16QAM



Band5 / 10MHz / Mid CH / 64QAM



Band5 / 10MHz / High CH / QPSK



Band5 / 10MHz / High CH / 16QAM



Band5 / 10MHz / High CH / 64QAM

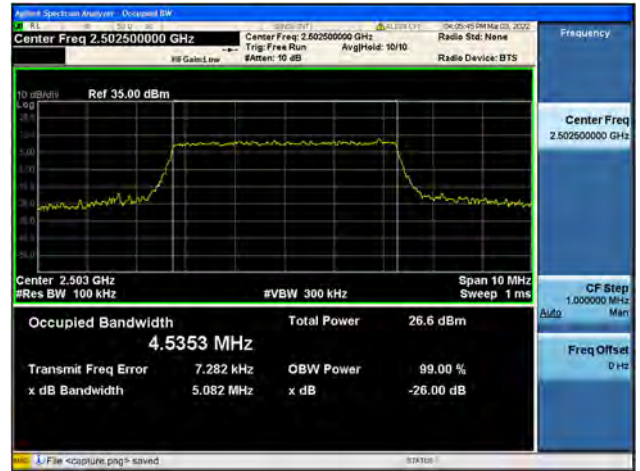




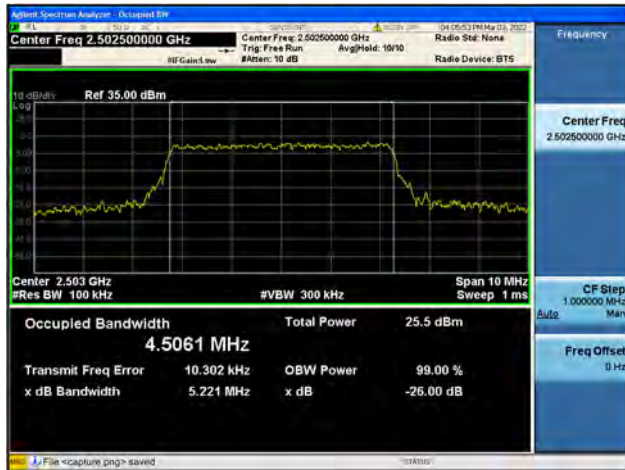
Band7 / 5MHz / Low CH / QPSK



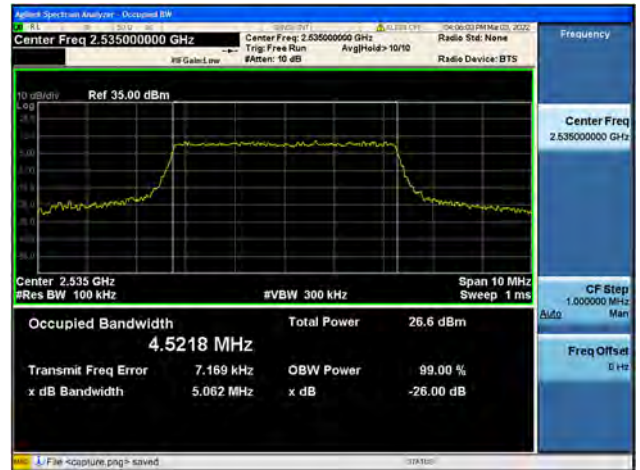
Band7 / 5MHz / Low CH / 16QAM



Band7 / 5MHz / Low CH / 64QAM



Band7 / 5MHz / Mid CH / QPSK



Band7 / 5MHz / Mid CH / 16QAM

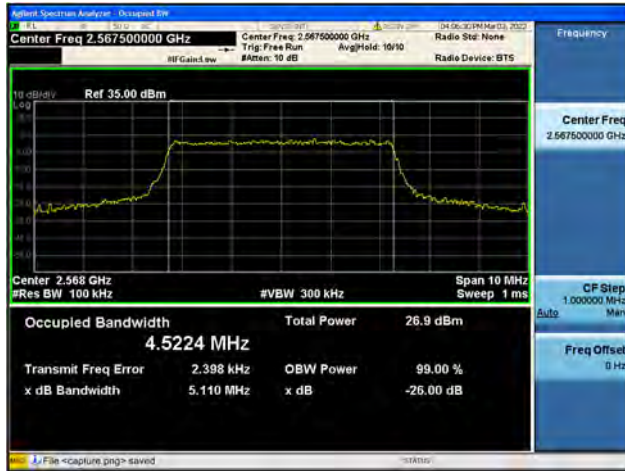


Band7 / 5MHz / Mid CH / 64QAM





Band7 / 5MHz / High CH / QPSK



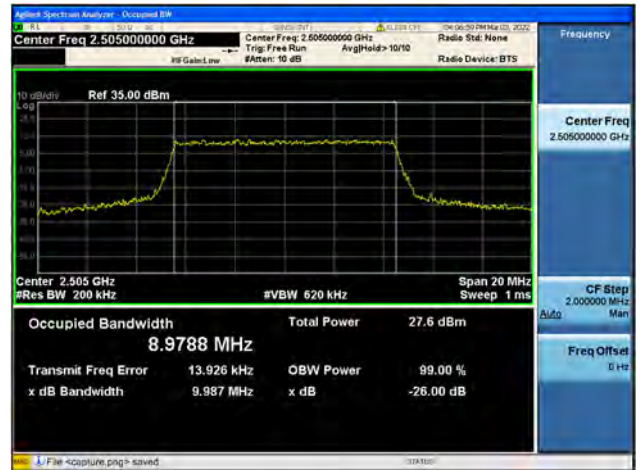
Band7 / 5MHz / High CH / 16QAM



Band7 / 5MHz / High CH / 64QAM



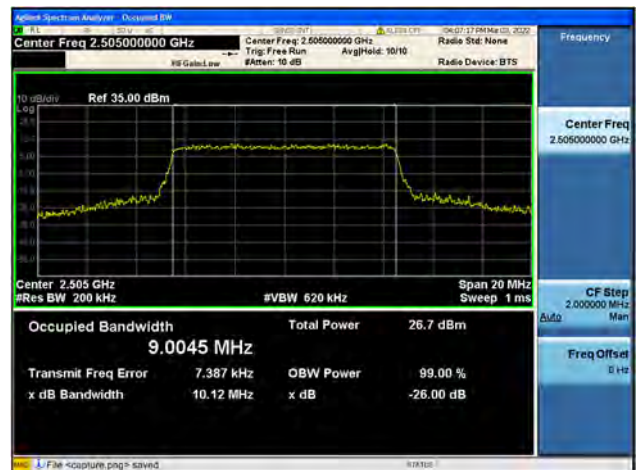
Band7 / 10MHz / Low CH / QPSK



Band7 / 10MHz / Low CH / 16QAM



Band7 / 10MHz / Low CH / 64QAM

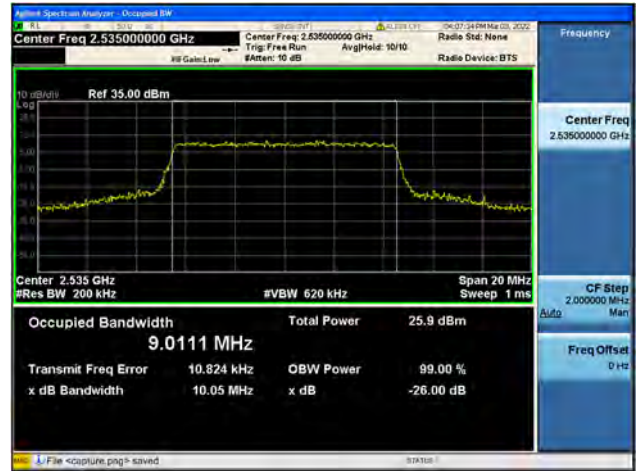




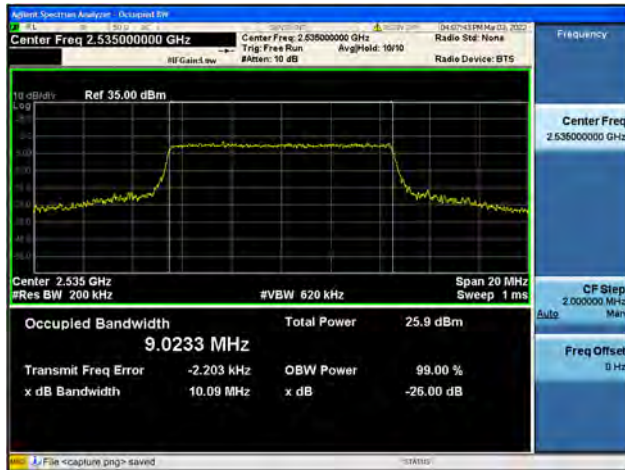
Band7 / 10MHz / Mid CH / QPSK



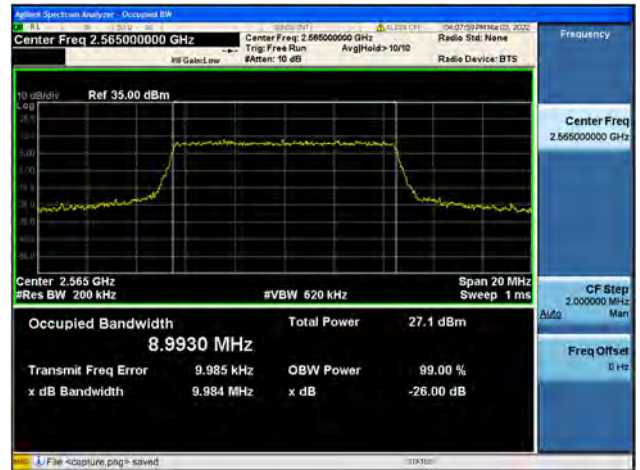
Band7 / 10MHz / Mid CH / 16QAM



Band7 / 10MHz / Mid CH / 64QAM



Band7 / 10MHz / High CH / QPSK



Band7 / 10MHz / High CH / 16QAM



Band7 / 10MHz / High CH / 64QAM

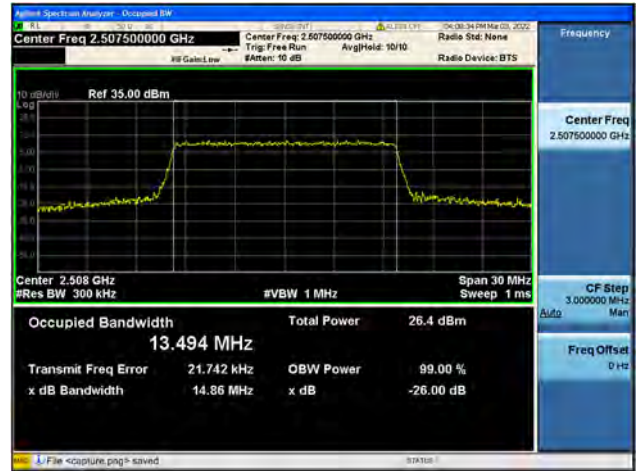




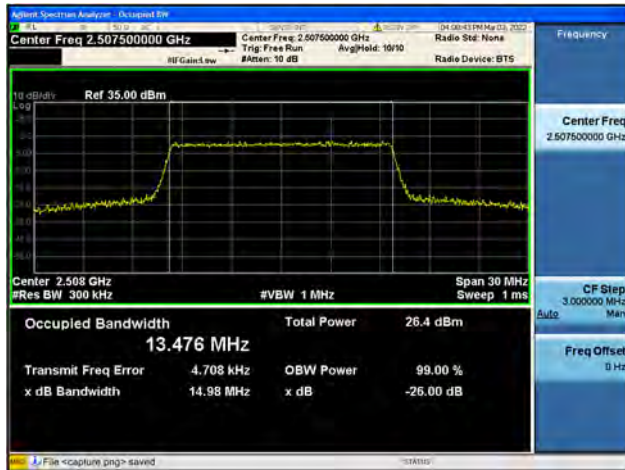
Band7 / 15MHz / Low CH / QPSK



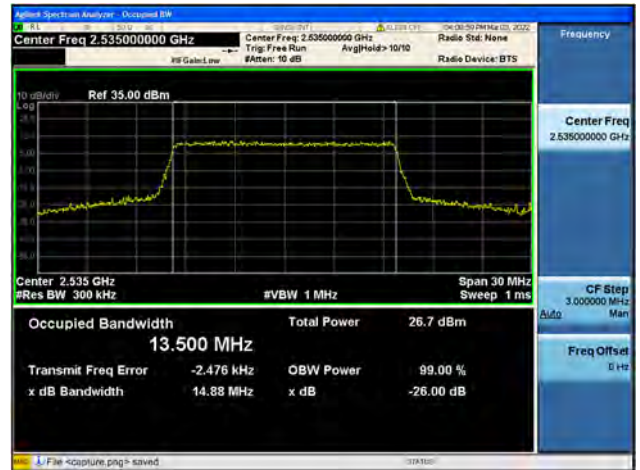
Band7 / 15MHz / Low CH / 16QAM



Band7 / 15MHz / Low CH / 64QAM



Band7 / 15MHz / Mid CH / QPSK



Band7 / 15MHz / Mid CH / 16QAM



Band7 / 15MHz / Mid CH / 64QAM

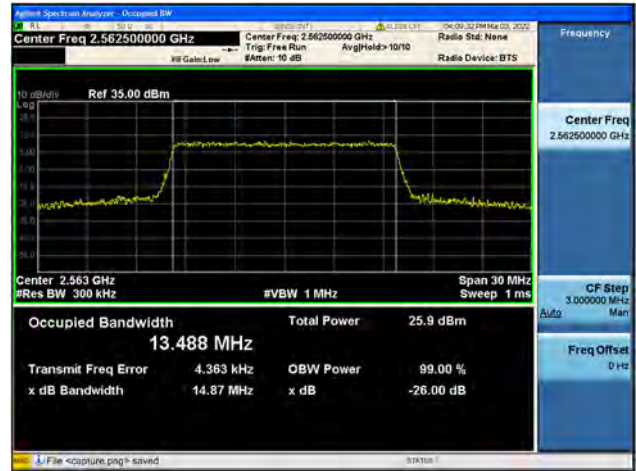




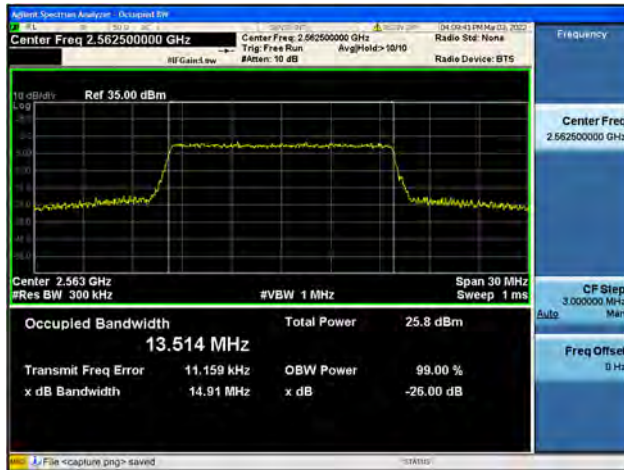
Band7 / 15MHz / High CH / QPSK



Band7 / 15MHz / High CH / 16QAM



Band7 / 15MHz / High CH / 64QAM



Band7 / 20MHz / Low CH / QPSK



Band7 / 20MHz / Low CH / 16QAM



Band7 / 20MHz / Low CH / 64QAM

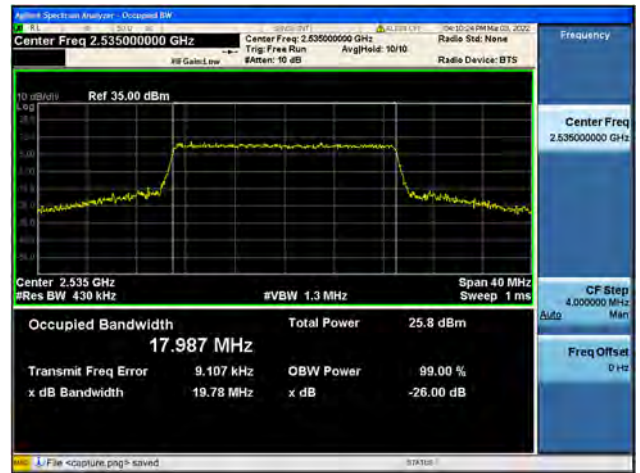




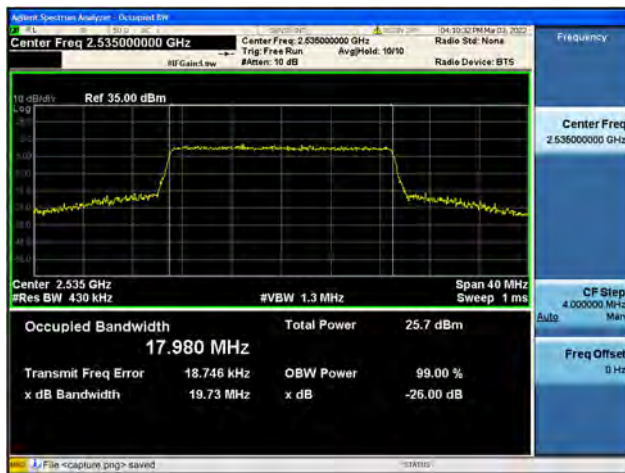
Band7 / 20MHz / Mid CH / QPSK



Band7 / 20MHz / Mid CH / 16QAM



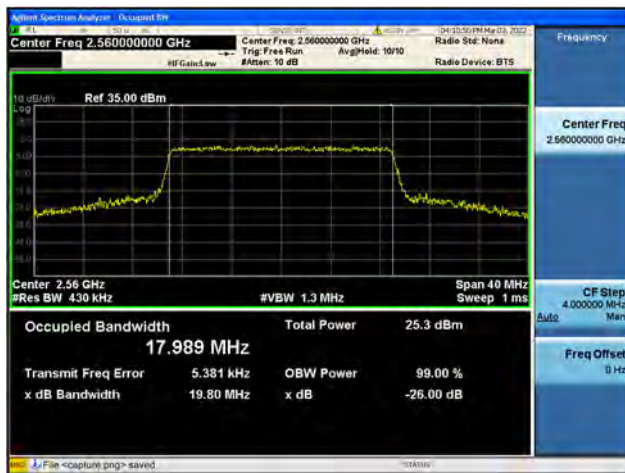
Band7 / 20MHz / Mid CH / 64QAM



Band7 / 20MHz / High CH / QPSK



Band7 / 20MHz / High CH / 16QAM

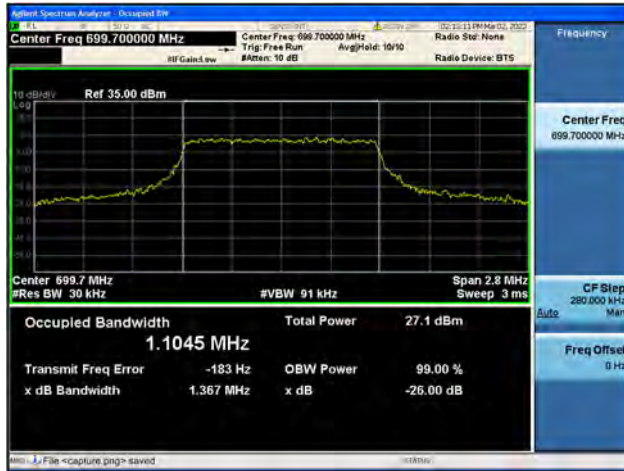


Band7 / 20MHz / High CH / 64QAM





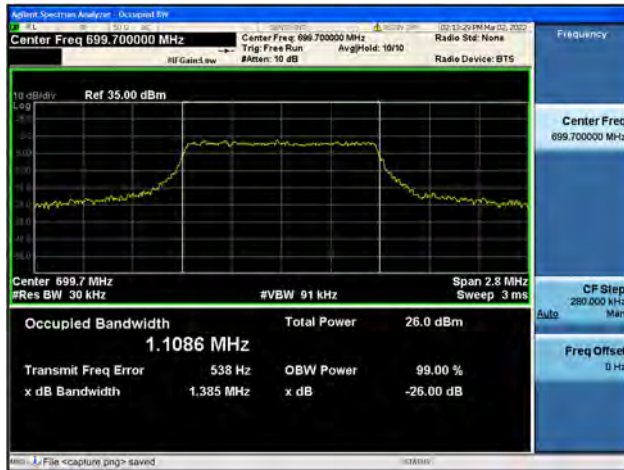
Band12 / 1.4MHz / Low CH / QPSK



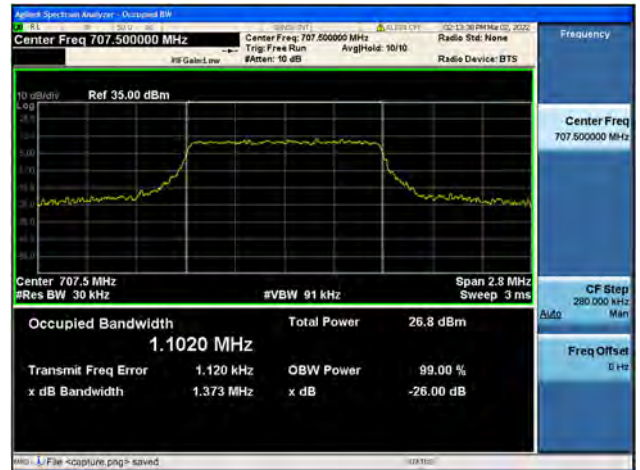
Band12 / 1.4MHz / Low CH / 16QAM



Band12 / 1.4MHz / Low CH / 64QAM



Band12 / 1.4MHz / Mid CH / QPSK

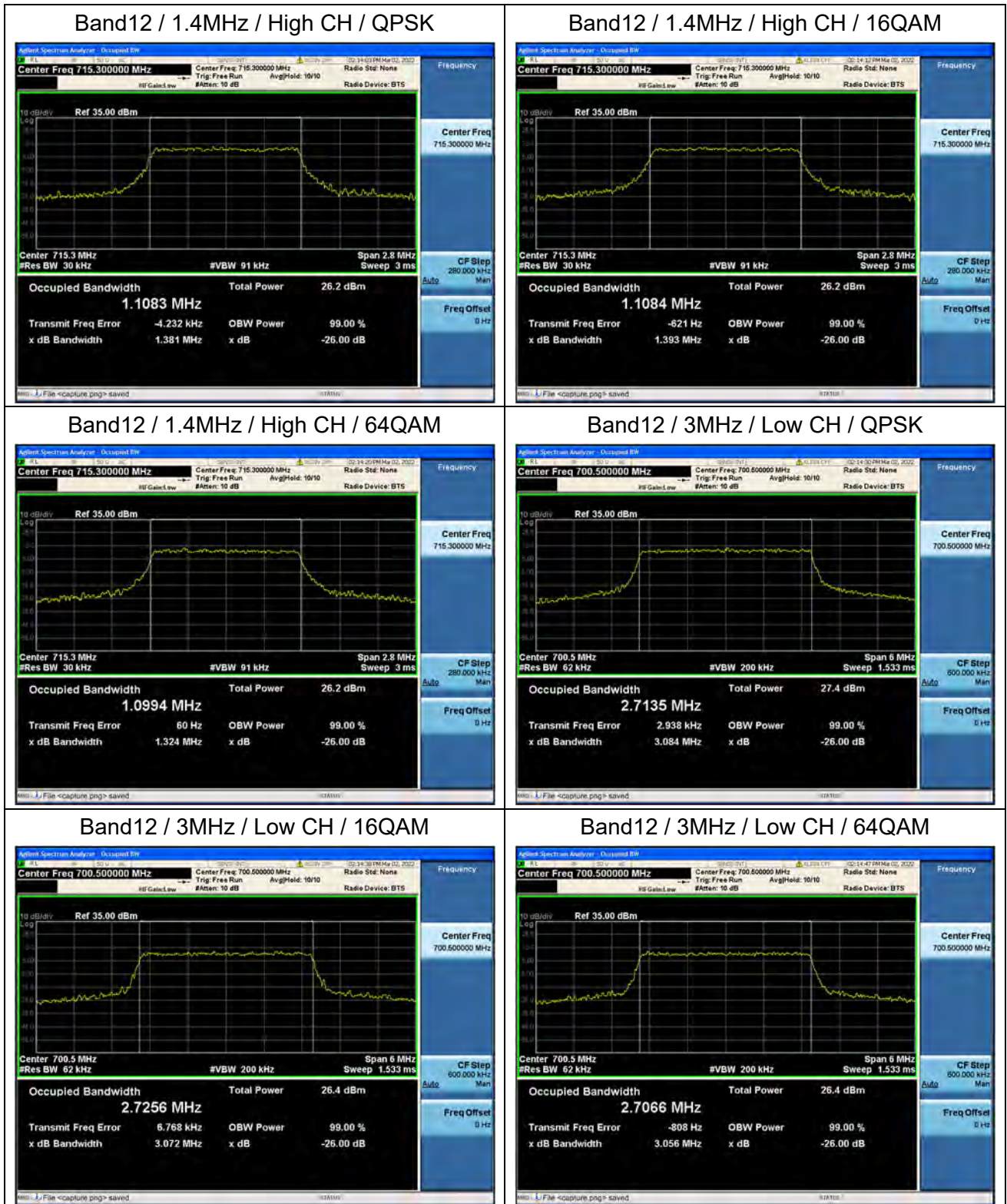


Band12 / 1.4MHz / Mid CH / 16QAM



Band12 / 1.4MHz / Mid CH / 64QAM



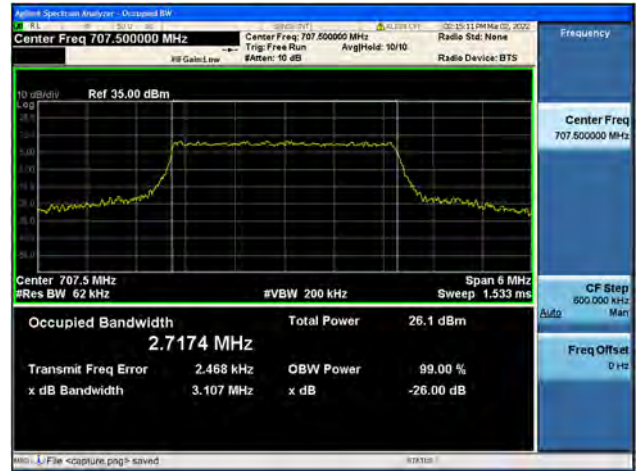




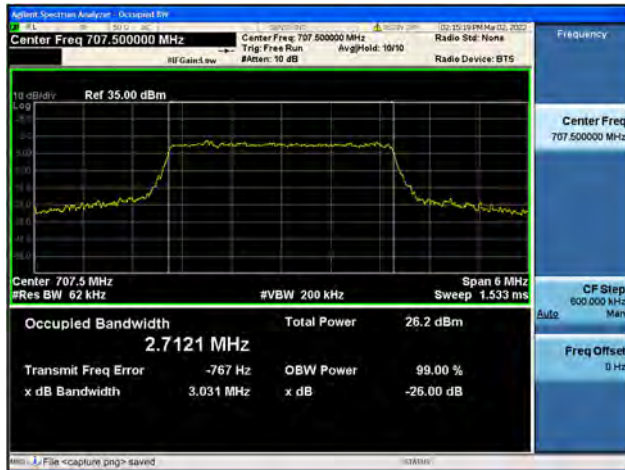
Band12 / 3MHz / Mid CH / QPSK



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



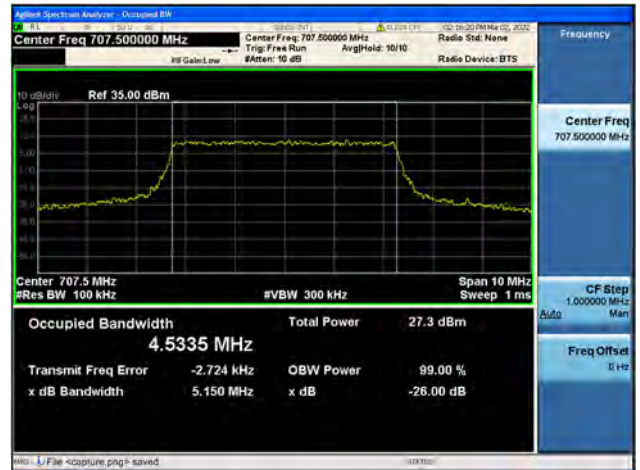
Band12 / 5MHz / Low CH / 16QAM



Band12 / 5MHz / Low CH / 64QAM



Band12 / 5MHz / Mid CH / QPSK



Band12 / 5MHz / Mid CH / 16QAM

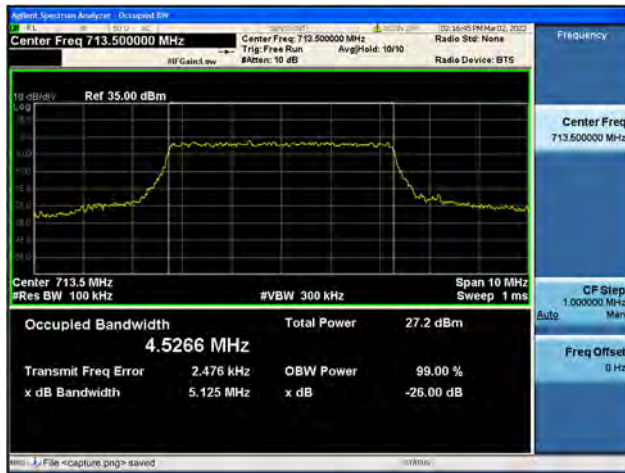


Band12 / 5MHz / Mid CH / 64QAM





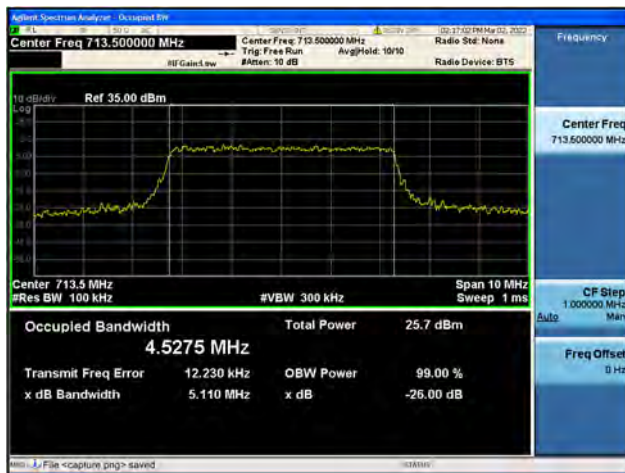
Band12 / 5MHz / High CH / QPSK



Band12 / 5MHz / High CH / 16QAM



Band12 / 5MHz / High CH / 64QAM



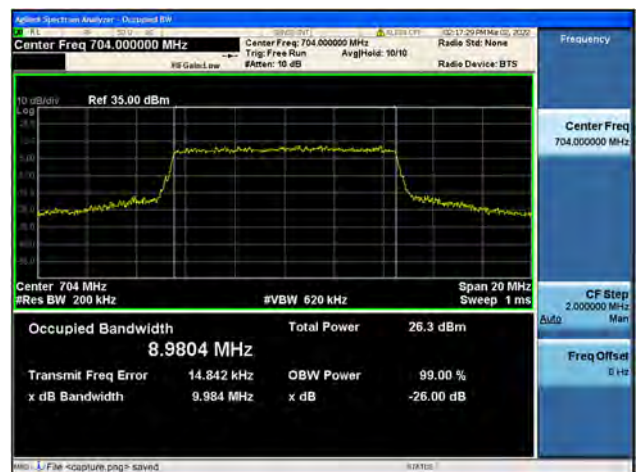
Band12 / 10MHz / Low CH / QPSK



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



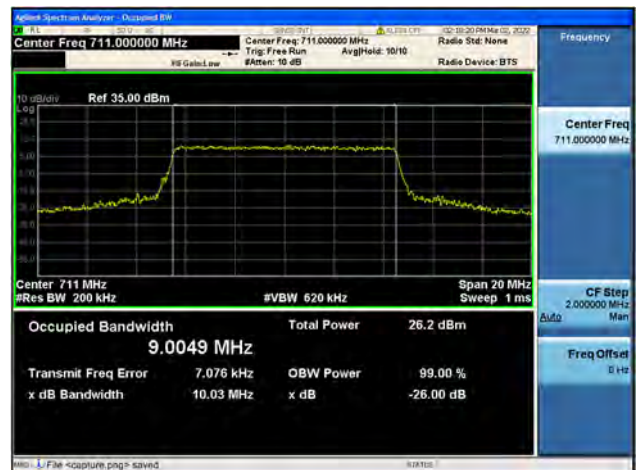
Band12 / 10MHz / High CH / QPSK



Band12 / 10MHz / High CH / 16QAM

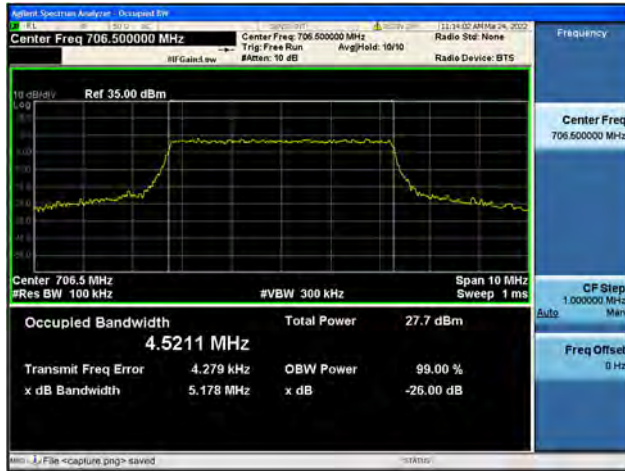


Band12 / 10MHz / High CH / 64QAM





Band17 / 5MHz / Low CH / QPSK



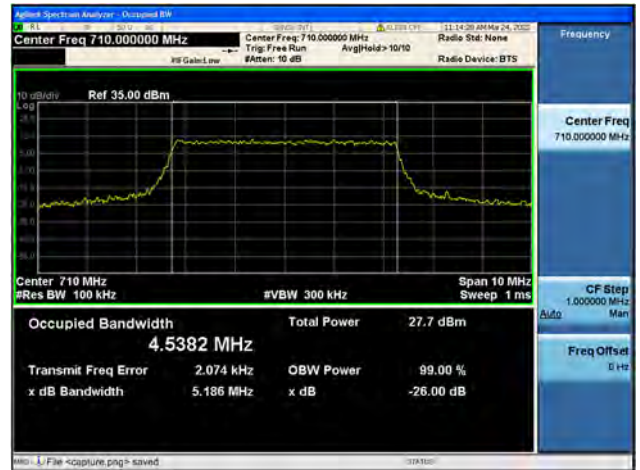
Band17 / 5MHz / Low CH / 16QAM



Band17 / 5MHz / Low CH / 64QAM



Band17 / 5MHz / Mid CH / QPSK



Band17 / 5MHz / Mid CH / 16QAM



Band17 / 5MHz / Mid CH / 64QAM





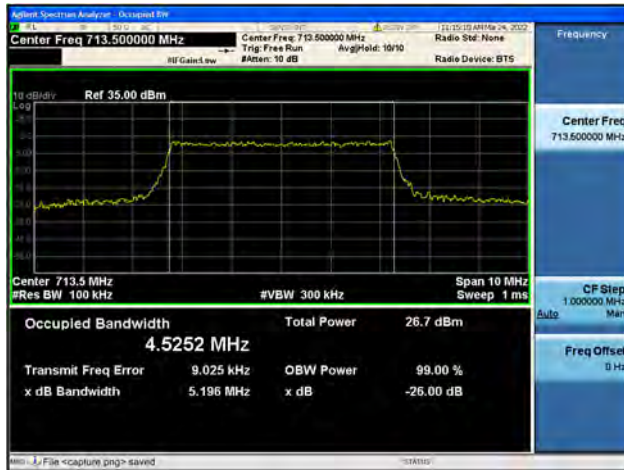
Band17 / 5MHz / High CH / QPSK



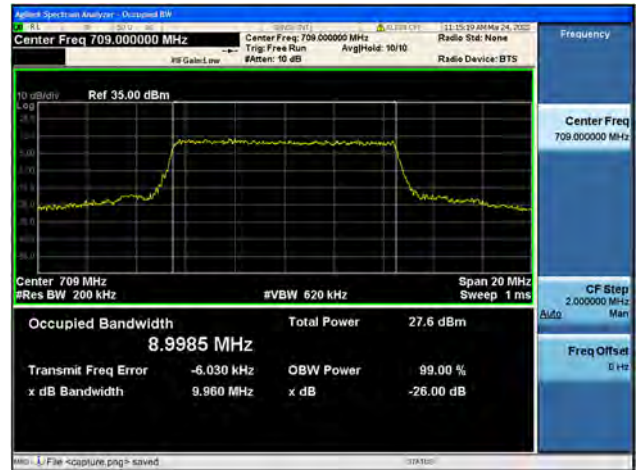
Band17 / 5MHz / High CH / 16QAM



Band17 / 5MHz / High CH / 64QAM



Band17 / 10MHz / Low CH / QPSK



Band17 / 10MHz / Low CH / 16QAM

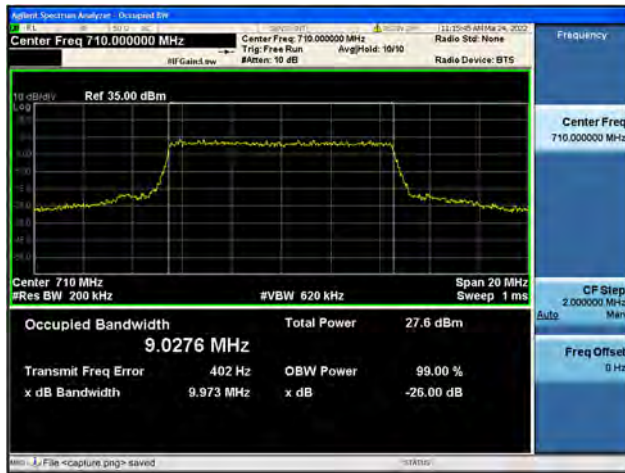


Band17 / 10MHz / Low CH / 64QAM





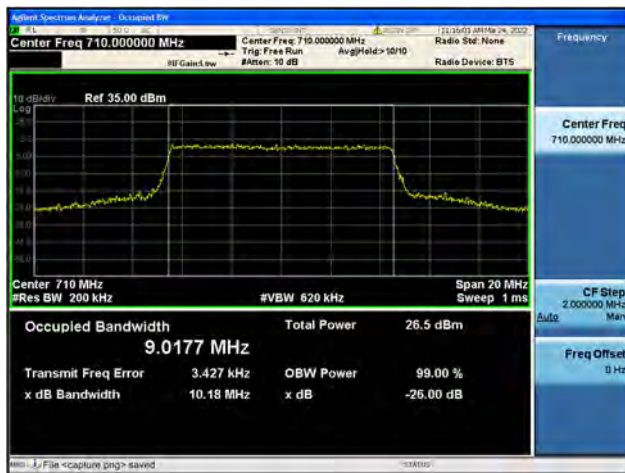
Band17 / 10MHz / Mid CH / QPSK



Band17 / 10MHz / Mid CH / 16QAM



Band17 / 10MHz / Mid CH / 64QAM



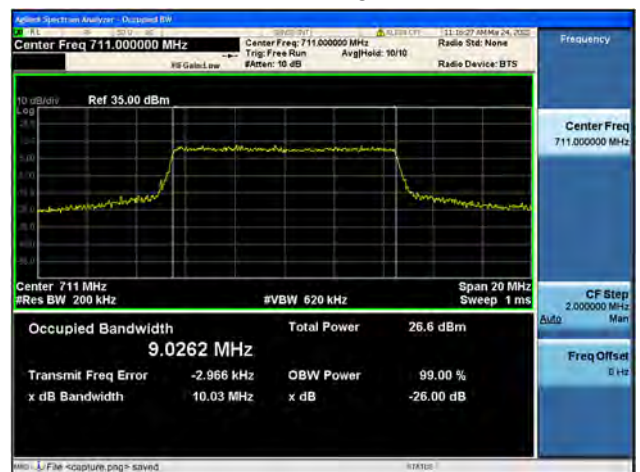
Band17 / 10MHz / High CH / QPSK

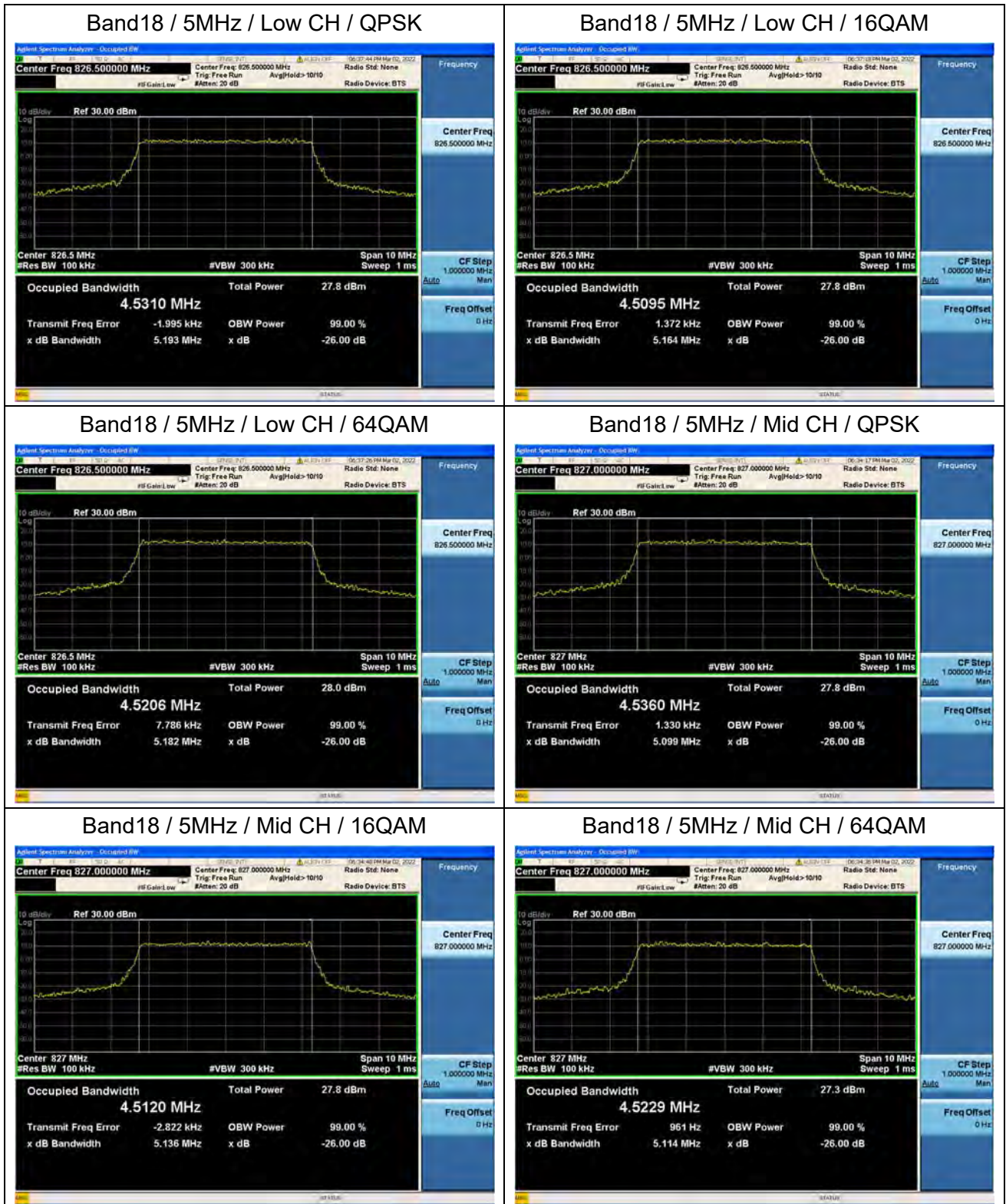


Band17 / 10MHz / High CH / 16QAM



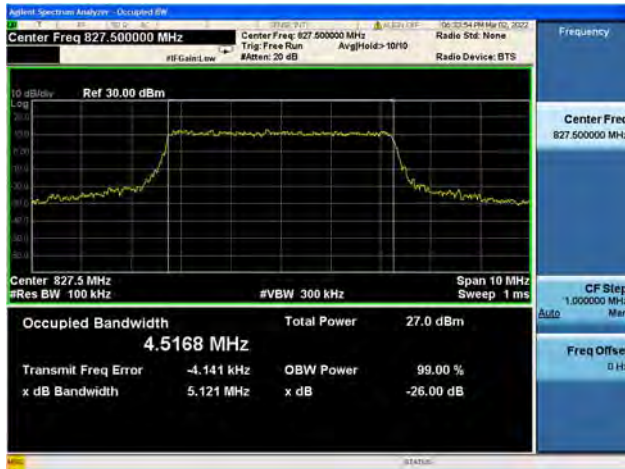
Band17 / 10MHz / High CH / 64QAM







Band18 / 5MHz / High CH / QPSK



Band18 / 5MHz / High CH / 16QAM



Band18 / 5MHz / High CH / 64QAM





Band19 / 5MHz / Low CH / QPSK



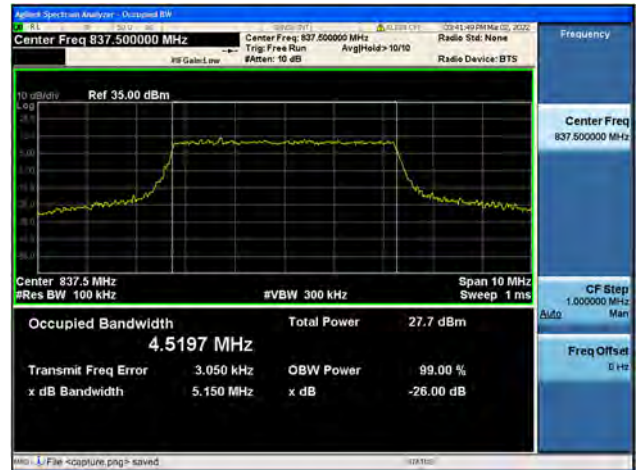
Band19 / 5MHz / Low CH / 16QAM



Band19 / 5MHz / Low CH / 64QAM



Band19 / 5MHz / Mid CH / QPSK



Band19 / 5MHz / Mid CH / 16QAM



Band19 / 5MHz / Mid CH / 64QAM

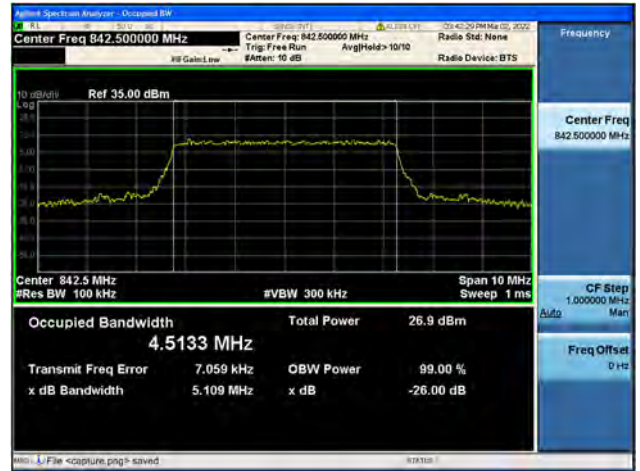




Band19 / 5MHz / High CH / QPSK



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



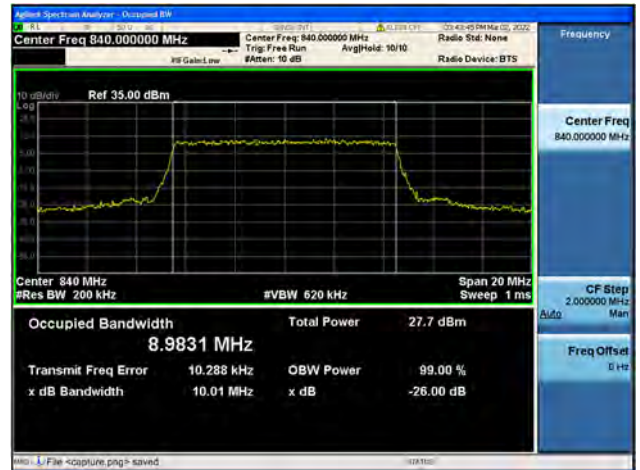
Band19 / 10MHz / Mid CH / 16QAM



Band19 / 10MHz / Mid CH / 64QAM



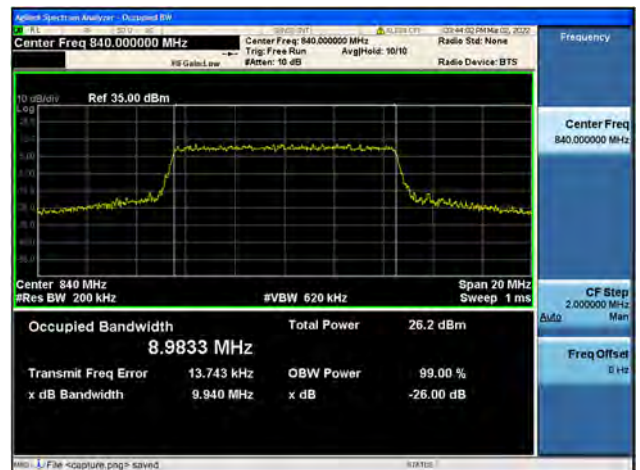
Band19 / 10MHz / High CH / QPSK



Band19 / 10MHz / High CH / 16QAM



Band19 / 10MHz / High CH / 64QAM

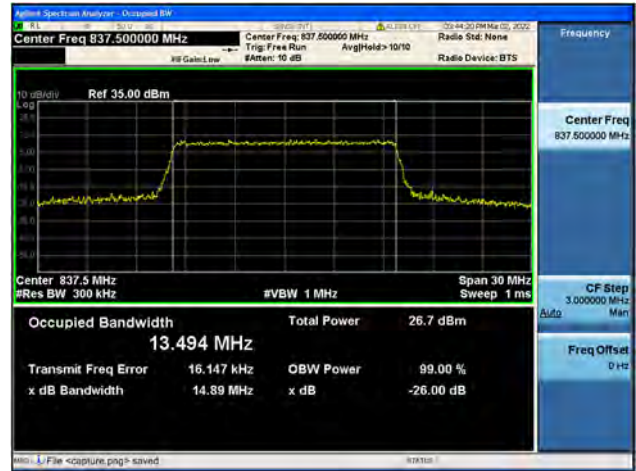




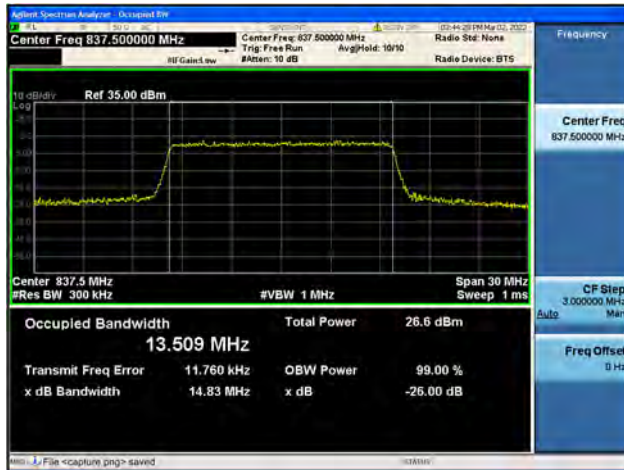
Band19 / 15MHz / Low CH / QPSK



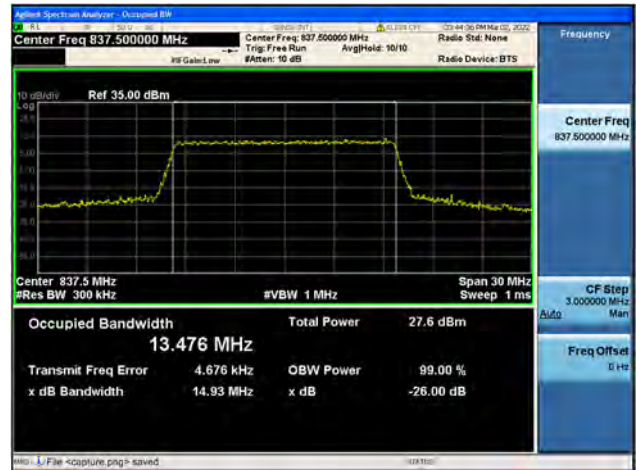
Band19 / 15MHz / Low CH / 16QAM



Band19 / 15MHz / Low CH / 64QAM



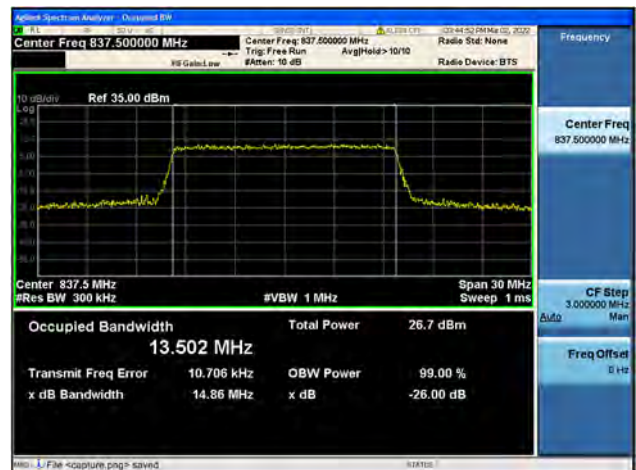
Band19 / 15MHz / Mid CH / QPSK



Band19 / 15MHz / Mid CH / 16QAM



Band19 / 15MHz / Mid CH / 64QAM





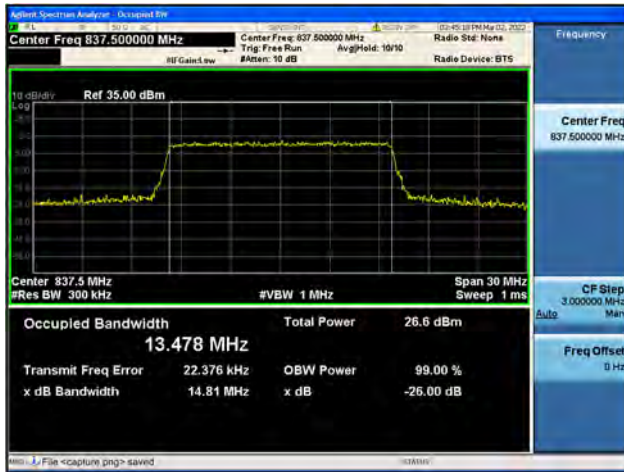
Band19 / 15MHz / High CH / QPSK



Band19 / 15MHz / High CH / 16QAM



Band19 / 15MHz / High CH / 64QAM

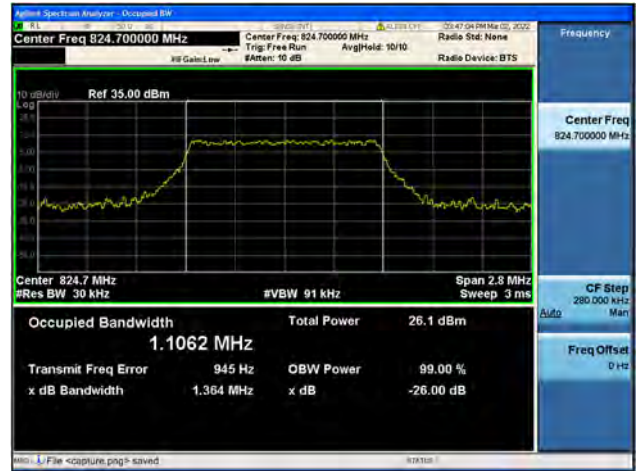




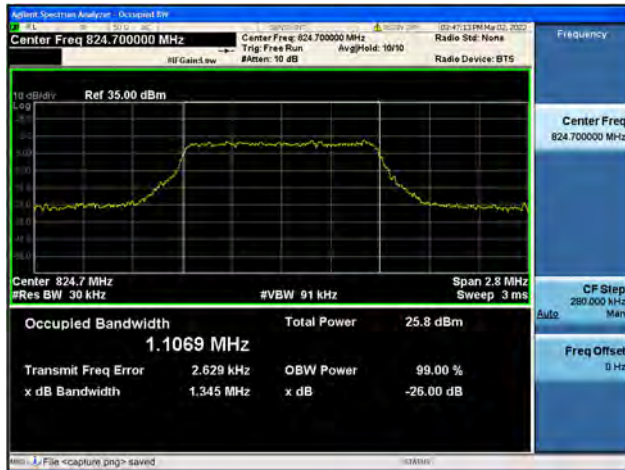
Band26 / 1.4MHz / Low CH / QPSK



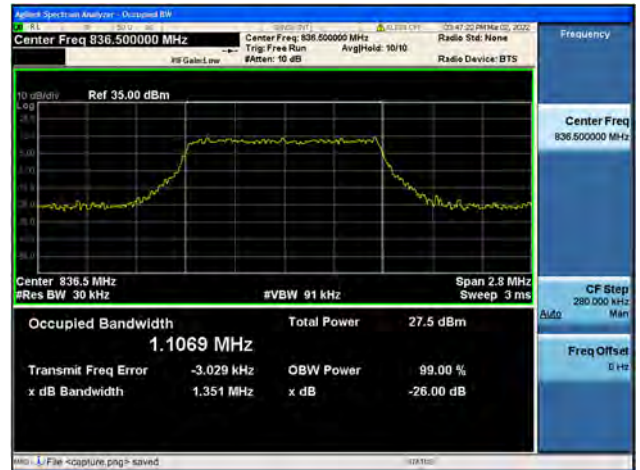
Band26 / 1.4MHz / Low CH / 16QAM



Band26 / 1.4MHz / Low CH / 64QAM



Band26 / 1.4MHz / Mid CH / QPSK



Band26 / 1.4MHz / Mid CH / 16QAM

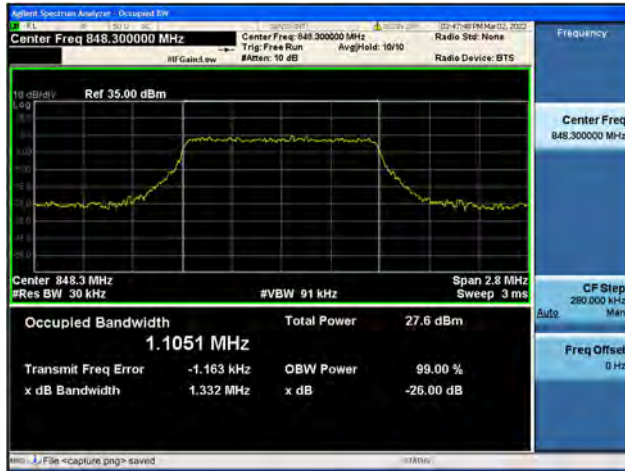


Band26 / 1.4MHz / Mid CH / 64QAM





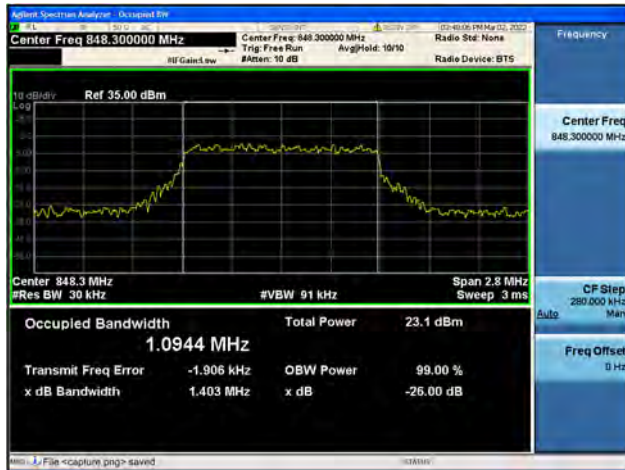
Band26 / 1.4MHz / High CH / QPSK



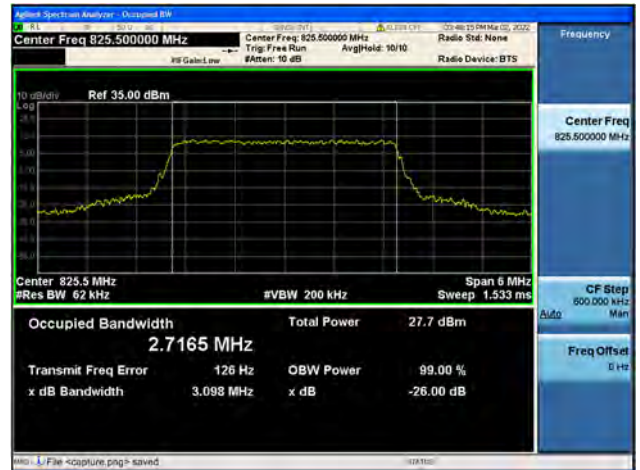
Band26 / 1.4MHz / High CH / 16QAM



Band26 / 1.4MHz / High CH / 64QAM



Band26 / 3MHz / Low CH / QPSK



Band26 / 3MHz / Low CH / 16QAM



Band26 / 3MHz / Low CH / 64QAM

