



TEST REPORT

APPLICANT : BLU Products, Inc.

PRODUCT NAME : Tablet

MODEL NAME : M10L

BRAND NAME : BLU

FCC ID : YHLBLUM10L

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

RECEIPT DATE : 2021-08-13

TEST DATE : 2021-08-17 to 2021-09-22

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Edited by: Zeng Xiaoying
Zeng Xiaoying (Rapporteur)

Approved by: Shen Junsheng
Shen Junsheng (Supervisor)

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Change History		
Version	Date	Reason for change
1.0	2021-10-15	First edition



1. Technical Information

Note: Provide by applicant.

1.1. Applicant and Manufacturer Information

Applicant:	BLU Products, Inc.
Applicant Address:	10814 NW 33rd St # 100 Doral, FL 33172,USA
Manufacturer:	BLU Products, Inc.
Manufacturer Address:	10814 NW 33rd St # 100 Doral, FL 33172,USA

1.2. Equipment Under Test (EUT) Description

Product Name:	Tablet	
Sample No.:	12#	
Hardware Version:	AD153M02-B10	
Software Version:	BLU_M0190WW_V11.0.03.04_GENERIC_23-09-2021_1652	
Modulation Type:	QPSK, 16QAM, 64QAM	
Carrier Aggregation:	Not Support	
Operation Band:	Band 2 / 4 / 5 / 7 / 12 / 17 / 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
	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 66	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
Antenna Type:	PIFA Antenna	
Antenna Gain:	LTE Band 2	1.5dBi
	LTE Band 4	1.4dBi
	LTE Band 5	-0.7dBi
	LTE Band 7	1.5dBi
	LTE Band 12	-1.2dBi
	LTE Band 17	1.2dBi
	LTE Band 66	1.4dBi
Accessory Information:	Battery	
	Brand Name:	BLU
	Model No.:	C154028600P
	Serial No.:	N/A
	Capacity:	6000mAh
	Rated Voltage:	3.7V
	Charge Limit:	4.2V
	Manufacturer:	SHEN ZHEN JIAJINYUAN TECHNOLOGY CO,LTD
	AC Adapter	
	Brand Name:	BLU
	Model No.:	US-FC-2002
	Serial No.:	N/A
	Rated Output:	5.0V=2000mA
	Rated Input:	100-240V~50/60Hz, 0.3A
	Manufacturer:	Dongguan Fengcheng electronic Keling Co., Ltd

Note 1: For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.



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

LTE Band 2		Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
20	0.184	0.136	0.139	18M0G7D	18M0W7D	18M0W7D	
15	0.182	0.135	0.138	13M5G7D	13M5W7D	13M5W7D	
10	0.181	0.134	0.137	9M04G7D	8M98W7D	9M01W7D	
5	0.180	0.134	0.137	4M51G7D	4M51W7D	4M50W7D	
3	0.179	0.133	0.136	2M72G7D	2M71W7D	2M72W7D	
1.4	0.178	0.132	0.135	1M10G7D	1M10W7D	1M10W7D	
LTE Band 4		Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
20	0.185	0.159	0.128	18M0G7D	18M0W7D	18M0W7D	
15	0.185	0.158	0.127	13M5G7D	13M5W7D	13M5W7D	
10	0.184	0.158	0.127	9M02G7D	8M99W7D	9M00W7D	
5	0.183	0.157	0.126	4M50G7D	4M51W7D	4M49W7D	
3	0.182	0.156	0.125	2M72G7D	2M72W7D	2M73W7D	
1.4	0.181	0.156	0.125	1M10G7D	1M10W7D	1M10W7D	
LTE Band 5		Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
10	0.094	0.073	0.069	9M02G7D	8M98W7D	9M00W7D	
5	0.094	0.073	0.069	4M50G7D	4M50W7D	4M50W7D	
3	0.093	0.073	0.068	2M72G7D	2M72W7D	2M73W7D	
1.4	0.092	0.072	0.068	1M10G7D	1M10W7D	1M10W7D	
LTE Band 7		Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
20	0.174	0.169	0.124	18M0G7D	18M0W7D	18M0W7D	
15	0.173	0.168	0.124	13M5G7D	13M5W7D	13M5W7D	
10	0.172	0.167	0.123	9M03G7D	8M98W7D	9M00W7D	
5	0.171	0.166	0.122	4M52G7D	4M50W7D	4M50W7D	
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	0.077	0.068	0.054	9M04G7D	9M00W7D	9M02W7D	
5	0.076	0.067	0.054	4M51G7D	4M50W7D	4M50W7D	
3	0.075	0.066	0.053	2M72G7D	2M72W7D	2M72W7D	
1.4	0.074	0.065	0.052	1M10G7D	1M10W7D	1M10W7D	



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	0.079	0.067	0.053	9M05G7D	9M01W7D	9M01W7D	
5	0.079	0.067	0.052	4M51G7D	4M51W7D	4M50W7D	
LTE Band 66		Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
20	0.184	0.163	0.126	18M0G7D	18M0W7D	18M0W7D	
15	0.183	0.161	0.126	13M5G7D	13M5W7D	13M5W7D	
10	0.182	0.160	0.125	9M02G7D	9M02W7D	9M02W7D	
5	0.180	0.159	0.124	4M51G7D	4M51W7D	4M51W7D	
3	0.178	0.155	0.123	2M71G7D	2M72W7D	2M71W7D	
1.4	0.177	0.157	0.122	1M10G7D	1M10W7D	1M10W7D	



1.4. Test Standards and Results

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

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

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

Section	Description	Test Date	Test Engineer	Result	Method Determination /Remark
2.1046 22.913(a)(2) 24.232(c) 27.50(c)(10) 27.50(d)(4) 27.50(h)(2)	Transmitter Conducted Output Power and E.R.P./E.I.R.P.	Sep 16, 2021	Liang Yumei Lin Jiayong	PASS	No deviation
2.1049	Occupied Bandwidth	Aug 19&20, 2021	Li Huaijie	PASS	No deviation
2.1055 22.355 24.235 27.54	Frequency Stability	Aug 20, 2021	Li Huaijie	PASS	No deviation
24.232(d), 27.50(d)(5)	Peak to Average Radio	Aug 19&20, 2021	Li Huaijie	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(g) 27.53(h) 27.53(m)(4)	Conducted Spurious Emissions	Aug 18&20, 2021 Sep 22, 2021	Li Huaijie	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(g)	Band Edge	Aug 17&19, 2021	Li Huaijie	PASS	No deviation



27.53(h) 27.53(m)(4)					
2.1051 22.917(a) 24.238(a) 27.53(g) 27.53(h) 27.53(m)(4)	Radiated Spurious Emissions	Aug 18, 2021	Huang Zhiye	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.

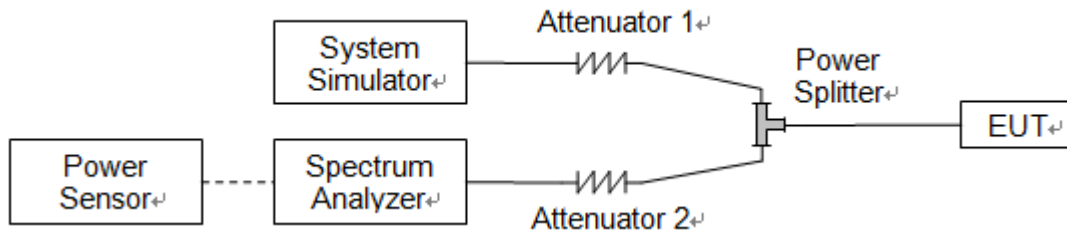
According to FCC section 27.50 (d)(4) for LTE Band 4/66, Fixed, mobile and portable (hand-held) stations in the 1710-1755MHz band are limited to 1wat E.I.R.P.

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

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

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

2.1.2. Test Description



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

2.1.3. Test Procedure

KDB 971168 D01v03 Section 5.2 and ANSI/TIA-603-E-2016.

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

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



2.1.4. Result

Conducted Output Power:

LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18700	18900	19100
Frequency (MHz)				1860	1880	1900
20	QPSK	1	0	21.30	21.34	21.25
20	QPSK	1	49	21.10	21.20	21.13
20	QPSK	1	99	21.05	21.11	21.20
20	QPSK	50	0	20.22	20.31	20.26
20	QPSK	50	24	19.86	20.27	19.87
20	QPSK	50	50	19.83	20.25	19.88
20	QPSK	100	0	19.58	19.96	19.93
20	16QAM	1	0	19.37	19.84	19.65
20	16QAM	1	49	19.59	19.73	19.46
20	16QAM	1	99	19.43	19.70	19.43
20	16QAM	50	0	18.83	19.14	19.21
20	16QAM	50	24	18.77	19.02	19.07
20	16QAM	50	50	18.72	18.96	19.03
20	16QAM	100	0	18.83	19.29	19.03
20	64QAM	1	0	19.56	19.75	19.94
20	64QAM	1	49	19.53	19.78	19.83
20	64QAM	1	99	19.49	19.68	19.71
20	64QAM	50	0	18.98	19.29	19.20
20	64QAM	50	24	18.87	19.18	19.13
20	64QAM	50	50	18.85	19.19	19.07
20	64QAM	100	0	18.83	19.30	18.95



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	20.65	21.11	20.83
15	QPSK	1	37	20.62	20.90	20.75
15	QPSK	1	74	20.64	20.92	20.62
15	QPSK	36	0	19.88	20.28	19.89
15	QPSK	36	20	19.83	20.24	19.84
15	QPSK	36	39	19.80	20.22	19.85
15	QPSK	75	0	19.55	19.93	19.90
15	16QAM	1	0	19.34	19.81	19.62
15	16QAM	1	37	19.56	19.70	19.43
15	16QAM	1	74	19.40	19.67	19.40
15	16QAM	36	0	18.80	19.11	19.18
15	16QAM	36	20	18.74	18.99	19.04
15	16QAM	36	39	18.69	18.93	19.00
15	16QAM	75	0	18.80	19.26	19.00
15	64QAM	1	0	19.53	19.72	19.91
15	64QAM	1	37	19.50	19.75	19.80
15	64QAM	1	74	19.46	19.65	19.68
15	64QAM	36	0	18.95	19.26	19.17
15	64QAM	36	20	18.84	19.15	19.10
15	64QAM	36	39	18.82	19.16	19.04
15	64QAM	75	0	18.80	19.27	18.92



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	20.62	21.08	20.80
10	QPSK	1	25	20.59	20.87	20.72
10	QPSK	1	49	20.61	20.89	20.59
10	QPSK	25	0	19.85	20.25	19.86
10	QPSK	25	12	19.80	20.21	19.81
10	QPSK	25	25	19.77	20.19	19.82
10	QPSK	50	0	19.52	19.90	19.87
10	16QAM	1	0	19.31	19.78	19.59
10	16QAM	1	25	19.53	19.67	19.40
10	16QAM	1	49	19.37	19.64	19.37
10	16QAM	25	0	18.77	19.08	19.15
10	16QAM	25	12	18.71	18.96	19.01
10	16QAM	25	25	18.66	18.90	18.97
10	16QAM	50	0	18.77	19.23	18.97
10	64QAM	1	0	19.50	19.69	19.88
10	64QAM	1	25	19.47	19.72	19.77
10	64QAM	1	49	19.43	19.62	19.65
10	64QAM	25	0	18.92	19.23	19.14
10	64QAM	25	12	18.81	19.12	19.07
10	64QAM	25	25	18.79	19.13	19.01
10	64QAM	50	0	18.77	19.24	18.89



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	20.60	21.06	20.78
5	QPSK	1	12	20.57	20.85	20.70
5	QPSK	1	24	20.59	20.87	20.57
5	QPSK	12	0	19.83	20.23	19.84
5	QPSK	12	7	19.78	20.19	19.79
5	QPSK	12	13	19.75	20.17	19.80
5	QPSK	25	0	19.50	19.88	19.85
5	16QAM	1	0	19.29	19.76	19.57
5	16QAM	1	12	19.51	19.65	19.38
5	16QAM	1	24	19.35	19.62	19.35
5	16QAM	12	0	18.75	19.06	19.13
5	16QAM	12	7	18.69	18.94	18.99
5	16QAM	12	13	18.64	18.88	18.95
5	16QAM	25	0	18.75	19.21	18.95
5	64QAM	1	0	19.48	19.67	19.86
5	64QAM	1	12	19.45	19.70	19.75
5	64QAM	1	24	19.41	19.60	19.63
5	64QAM	12	0	18.90	19.21	19.12
5	64QAM	12	7	18.79	19.10	19.05
5	64QAM	12	13	18.77	19.11	18.99
5	64QAM	25	0	18.75	19.22	18.87



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	20.57	21.03	20.75
3	QPSK	1	8	20.54	20.82	20.67
3	QPSK	1	14	20.56	20.84	20.54
3	QPSK	8	0	19.80	20.20	19.81
3	QPSK	8	4	19.75	20.16	19.76
3	QPSK	8	7	19.72	20.14	19.77
3	QPSK	15	0	19.47	19.85	19.82
3	16QAM	1	0	19.26	19.73	19.54
3	16QAM	1	8	19.48	19.62	19.35
3	16QAM	1	14	19.32	19.59	19.32
3	16QAM	8	0	18.72	19.03	19.10
3	16QAM	8	4	18.66	18.91	18.96
3	16QAM	8	7	18.61	18.85	18.92
3	16QAM	15	0	18.72	19.18	18.92
3	64QAM	1	0	19.45	19.64	19.83
3	64QAM	1	8	19.42	19.67	19.72
3	64QAM	1	14	19.38	19.57	19.60
3	64QAM	8	0	18.87	19.18	19.09
3	64QAM	8	4	18.76	19.07	19.02
3	64QAM	8	7	18.74	19.08	18.96
3	64QAM	15	0	18.72	19.19	18.84



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	20.54	21.00	20.72
1.4	QPSK	1	3	20.51	20.79	20.64
1.4	QPSK	1	5	20.53	20.81	20.51
1.4	QPSK	3	0	19.77	20.17	19.78
1.4	QPSK	3	1	19.72	20.13	19.73
1.4	QPSK	3	3	19.69	20.11	19.74
1.4	QPSK	6	0	19.44	19.82	19.79
1.4	16QAM	1	0	19.23	19.70	19.51
1.4	16QAM	1	3	19.45	19.59	19.32
1.4	16QAM	1	5	19.29	19.56	19.29
1.4	16QAM	3	0	18.69	19.00	19.07
1.4	16QAM	3	1	18.63	18.88	18.93
1.4	16QAM	3	3	18.58	18.82	18.89
1.4	16QAM	6	0	18.69	19.15	18.89
1.4	64QAM	1	0	19.42	19.61	19.80
1.4	64QAM	1	3	19.39	19.64	19.69
1.4	64QAM	1	5	19.35	19.54	19.57
1.4	64QAM	3	0	18.84	19.15	19.06
1.4	64QAM	3	1	18.73	19.04	18.99
1.4	64QAM	3	3	18.71	19.05	18.93
1.4	64QAM	6	0	18.69	19.16	18.81



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20050	20175	20300
Frequency (MHz)				1720	1732.5	1745
20	QPSK	1	0	21.25	21.28	21.12
20	QPSK	1	49	21.21	21.19	21.00
20	QPSK	1	99	21.18	21.11	21.01
20	QPSK	50	0	20.32	20.49	20.22
20	QPSK	50	24	20.18	20.13	20.15
20	QPSK	50	50	20.18	20.28	20.16
20	QPSK	100	0	20.24	20.28	20.11
20	16QAM	1	0	20.62	20.41	20.52
20	16QAM	1	49	20.37	20.60	20.59
20	16QAM	1	99	20.50	20.17	20.46
20	16QAM	50	0	19.48	19.36	19.49
20	16QAM	50	24	19.48	19.45	19.36
20	16QAM	50	50	19.41	19.30	19.27
20	16QAM	100	0	19.47	19.28	19.33
20	64QAM	1	0	19.41	19.64	19.43
20	64QAM	1	49	19.56	19.48	19.50
20	64QAM	1	99	19.67	19.18	19.59
20	64QAM	50	0	18.83	18.63	18.56
20	64QAM	50	24	18.80	18.68	18.61
20	64QAM	50	50	18.66	18.62	19.05
20	64QAM	100	0	18.86	18.41	18.71



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				20025	20175	20325
Frequency (MHz)				1717.5	1732.5	1747.5
15	QPSK	1	0	21.23	21.26	21.10
15	QPSK	1	37	21.19	21.17	20.98
15	QPSK	1	74	21.16	21.09	20.99
15	QPSK	36	0	20.30	20.47	20.20
15	QPSK	36	20	20.16	20.11	20.13
15	QPSK	36	39	20.16	20.26	20.14
15	QPSK	75	0	20.22	20.26	20.09
15	16QAM	1	0	20.60	20.39	20.50
15	16QAM	1	37	20.35	20.58	20.57
15	16QAM	1	74	20.48	20.15	20.44
15	16QAM	36	0	19.46	19.34	19.47
15	16QAM	36	20	19.46	19.43	19.34
15	16QAM	36	39	19.39	19.28	19.25
15	16QAM	75	0	19.45	19.26	19.31
15	64QAM	1	0	19.39	19.62	19.41
15	64QAM	1	37	19.54	19.46	19.48
15	64QAM	1	74	19.65	19.16	19.57
15	64QAM	36	0	18.81	18.61	18.54
15	64QAM	36	20	18.78	18.66	18.59
15	64QAM	36	39	18.64	18.60	19.03
15	64QAM	75	0	18.84	18.39	18.69



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20000	20175	20350
Frequency (MHz)				1715	1732.5	1750
10	QPSK	1	0	21.21	21.24	21.08
10	QPSK	1	25	21.17	21.15	20.96
10	QPSK	1	49	21.14	21.07	20.97
10	QPSK	25	0	20.28	20.45	20.18
10	QPSK	25	12	20.14	20.09	20.11
10	QPSK	25	25	20.14	20.24	20.12
10	QPSK	50	0	20.20	20.24	20.07
10	16QAM	1	0	20.58	20.37	20.48
10	16QAM	1	25	20.33	20.56	20.55
10	16QAM	1	49	20.46	20.13	20.42
10	16QAM	25	0	19.44	19.32	19.45
10	16QAM	25	12	19.44	19.41	19.32
10	16QAM	25	25	19.37	19.26	19.23
10	16QAM	50	0	19.43	19.24	19.29
10	64QAM	1	0	19.37	19.60	19.39
10	64QAM	1	25	19.52	19.44	19.46
10	64QAM	1	49	19.63	19.14	19.55
10	64QAM	25	0	18.79	18.59	18.52
10	64QAM	25	12	18.76	18.64	18.57
10	64QAM	25	25	18.62	18.58	19.01
10	64QAM	50	0	18.82	18.37	18.67



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19975	20175	20375
Frequency (MHz)				1712.5	1732.5	1752.5
5	QPSK	1	0	21.19	21.22	21.06
5	QPSK	1	12	21.15	21.13	20.94
5	QPSK	1	24	21.12	21.05	20.95
5	QPSK	12	0	20.26	20.43	20.16
5	QPSK	12	7	20.12	20.07	20.09
5	QPSK	12	13	20.12	20.22	20.10
5	QPSK	25	0	20.18	20.22	20.05
5	16QAM	1	0	20.56	20.35	20.46
5	16QAM	1	12	20.31	20.54	20.53
5	16QAM	1	24	20.44	20.11	20.40
5	16QAM	12	0	19.42	19.30	19.43
5	16QAM	12	7	19.42	19.39	19.30
5	16QAM	12	13	19.35	19.24	19.21
5	16QAM	25	0	19.41	19.22	19.27
5	64QAM	1	0	19.35	19.58	19.37
5	64QAM	1	12	19.50	19.42	19.44
5	64QAM	1	24	19.61	19.12	19.53
5	64QAM	12	0	18.77	18.57	18.50
5	64QAM	12	7	18.74	18.62	18.55
5	64QAM	12	13	18.60	18.56	18.99
5	64QAM	25	0	18.80	18.35	18.65



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19965	20175	20385
Frequency (MHz)				1711.5	1732.5	1753.5
3	QPSK	1	0	21.17	21.20	21.04
3	QPSK	1	8	21.13	21.11	20.92
3	QPSK	1	14	21.10	21.03	20.93
3	QPSK	8	0	20.24	20.41	20.14
3	QPSK	8	4	20.10	20.05	20.07
3	QPSK	8	7	20.10	20.20	20.08
3	QPSK	15	0	20.16	20.20	20.03
3	16QAM	1	0	20.54	20.33	20.44
3	16QAM	1	8	20.29	20.52	20.51
3	16QAM	1	14	20.42	20.09	20.38
3	16QAM	8	0	19.40	19.28	19.41
3	16QAM	8	4	19.40	19.37	19.28
3	16QAM	8	7	19.33	19.22	19.19
3	16QAM	15	0	19.39	19.20	19.25
3	64QAM	1	0	19.33	19.56	19.35
3	64QAM	1	8	19.48	19.40	19.42
3	64QAM	1	14	19.59	19.10	19.51
3	64QAM	8	0	18.75	18.55	18.48
3	64QAM	8	4	18.72	18.60	18.53
3	64QAM	8	7	18.58	18.54	18.97
3	64QAM	15	0	18.78	18.33	18.63



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19957	20175	20393
Frequency (MHz)				1710.7	1732.5	1754.3
1.4	QPSK	1	0	21.15	21.18	21.02
1.4	QPSK	1	3	21.11	21.09	20.90
1.4	QPSK	1	5	21.08	21.01	20.91
1.4	QPSK	3	0	20.22	20.39	20.12
1.4	QPSK	3	1	20.08	20.03	20.05
1.4	QPSK	3	3	20.08	20.18	20.06
1.4	QPSK	6	0	20.14	20.18	20.01
1.4	16QAM	1	0	20.52	20.31	20.42
1.4	16QAM	1	3	20.27	20.50	20.49
1.4	16QAM	1	5	20.40	20.07	20.36
1.4	16QAM	3	0	19.38	19.26	19.39
1.4	16QAM	3	1	19.38	19.35	19.26
1.4	16QAM	3	3	19.31	19.20	19.17
1.4	16QAM	6	0	19.37	19.18	19.23
1.4	64QAM	1	0	19.31	19.54	19.33
1.4	64QAM	1	3	19.46	19.38	19.40
1.4	64QAM	1	5	19.57	19.08	19.49
1.4	64QAM	3	0	18.73	18.53	18.46
1.4	64QAM	3	1	18.70	18.58	18.51
1.4	64QAM	3	3	18.56	18.52	18.95
1.4	64QAM	6	0	18.76	18.31	18.61



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20450	20525	20600
Frequency (MHz)				829	836.5	844
10	QPSK	1	0	22.31	22.60	22.41
10	QPSK	1	25	22.28	22.53	22.38
10	QPSK	1	49	22.16	22.43	22.27
10	QPSK	25	0	21.61	21.62	21.58
10	QPSK	25	12	21.53	21.58	21.56
10	QPSK	25	25	21.49	21.57	21.55
10	QPSK	50	0	21.57	21.59	21.53
10	16QAM	1	0	21.48	21.50	21.44
10	16QAM	1	25	21.44	21.45	21.39
10	16QAM	1	49	21.38	21.41	21.37
10	16QAM	25	0	21.34	21.37	21.34
10	16QAM	25	12	21.30	21.33	21.29
10	16QAM	25	25	21.27	21.28	21.25
10	16QAM	50	0	21.22	21.26	21.23
10	64QAM	1	0	21.19	21.24	21.20
10	64QAM	1	25	20.16	20.19	20.14
10	64QAM	1	49	20.09	20.13	20.11
10	64QAM	25	0	20.07	20.09	20.04
10	64QAM	25	12	19.96	19.98	19.97
10	64QAM	25	25	19.93	19.95	19.88
10	64QAM	50	0	19.84	19.87	19.83



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20425	20525	20625
Frequency (MHz)				826.5	836.5	846.5
5	QPSK	1	0	22.28	22.57	22.38
5	QPSK	1	12	22.25	22.50	22.35
5	QPSK	1	24	22.13	22.40	22.24
5	QPSK	12	0	21.58	21.59	21.55
5	QPSK	12	7	21.50	21.55	21.53
5	QPSK	12	13	21.46	21.54	21.52
5	QPSK	25	0	21.54	21.56	21.50
5	16QAM	1	0	21.45	21.47	21.41
5	16QAM	1	12	21.41	21.42	21.36
5	16QAM	1	24	21.35	21.38	21.34
5	16QAM	12	0	21.31	21.34	21.31
5	16QAM	12	7	21.27	21.30	21.26
5	16QAM	12	13	21.24	21.25	21.22
5	16QAM	25	0	21.19	21.23	21.20
5	64QAM	1	0	21.16	21.21	21.17
5	64QAM	1	12	20.13	20.16	20.11
5	64QAM	1	24	20.06	20.10	20.08
5	64QAM	12	0	20.04	20.06	20.01
5	64QAM	12	7	19.93	19.95	19.94
5	64QAM	12	13	19.90	19.92	19.85
5	64QAM	25	0	19.81	19.84	19.80



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20415	20525	20635
Frequency (MHz)				825.5	836.5	847.5
3	QPSK	1	0	22.25	22.54	22.35
3	QPSK	1	8	22.22	22.47	22.32
3	QPSK	1	14	22.10	22.37	22.21
3	QPSK	8	0	21.55	21.56	21.52
3	QPSK	8	4	21.47	21.52	21.50
3	QPSK	8	7	21.43	21.51	21.49
3	QPSK	15	0	21.51	21.53	21.47
3	16QAM	1	0	21.47	21.48	21.42
3	16QAM	1	8	21.41	21.44	21.40
3	16QAM	1	14	21.37	21.40	21.37
3	16QAM	8	0	21.33	21.36	21.32
3	16QAM	8	4	21.30	21.31	21.28
3	16QAM	8	7	21.25	21.29	21.26
3	16QAM	15	0	21.22	21.27	21.23
3	64QAM	1	0	21.16	21.19	21.17
3	64QAM	1	8	21.10	21.13	21.08
3	64QAM	1	14	21.03	21.07	21.05
3	64QAM	8	0	21.01	21.03	20.98
3	64QAM	8	4	20.90	20.92	20.91
3	64QAM	8	7	20.87	20.89	20.82
3	64QAM	15	0	20.78	20.81	20.77



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20407	20525	20643
Frequency (MHz)				824.7	836.5	848.3
1.4	QPSK	1	0	22.22	22.51	22.32
1.4	QPSK	1	3	22.19	22.44	22.29
1.4	QPSK	1	5	22.07	22.34	22.18
1.4	QPSK	3	0	21.52	21.53	21.49
1.4	QPSK	3	1	21.44	21.49	21.47
1.4	QPSK	3	3	21.40	21.48	21.46
1.4	QPSK	6	0	21.48	21.50	21.44
1.4	16QAM	1	0	21.39	21.41	21.35
1.4	16QAM	1	3	21.35	21.36	21.30
1.4	16QAM	1	5	21.29	21.32	21.28
1.4	16QAM	3	0	21.25	21.28	21.25
1.4	16QAM	3	1	21.21	21.24	21.20
1.4	16QAM	3	3	21.18	21.19	21.16
1.4	16QAM	6	0	21.13	21.17	21.14
1.4	64QAM	1	0	21.10	21.15	21.11
1.4	64QAM	1	3	20.07	20.10	20.05
1.4	64QAM	1	5	20.00	20.04	20.02
1.4	64QAM	3	0	19.98	20.00	19.95
1.4	64QAM	3	1	19.87	19.89	19.88
1.4	64QAM	3	3	19.84	19.86	19.79
1.4	64QAM	6	0	19.75	19.78	19.74



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	20.49	20.91	20.89
20	QPSK	1	49	20.43	20.70	20.76
20	QPSK	1	99	20.41	20.63	20.69
20	QPSK	50	0	19.92	20.01	19.84
20	QPSK	50	24	19.58	19.85	19.81
20	QPSK	50	50	19.57	19.74	19.73
20	QPSK	100	0	19.61	19.96	19.83
20	16QAM	1	0	20.43	20.79	20.48
20	16QAM	1	49	20.39	20.37	20.43
20	16QAM	1	99	20.34	20.36	20.38
20	16QAM	50	0	18.57	18.92	19.06
20	16QAM	50	24	18.78	18.89	19.02
20	16QAM	50	50	18.83	18.95	19.04
20	16QAM	100	0	18.74	19.24	19.00
20	64QAM	1	0	19.29	19.41	19.45
20	64QAM	1	49	19.16	19.11	19.26
20	64QAM	1	99	19.15	19.05	19.08
20	64QAM	50	0	17.84	18.22	17.79
20	64QAM	50	24	17.83	18.13	17.85
20	64QAM	50	50	17.72	18.02	17.83
20	64QAM	100	0	17.67	18.16	17.99



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	20.46	20.88	20.86
15	QPSK	1	37	20.40	20.67	20.73
15	QPSK	1	74	20.38	20.60	20.66
15	QPSK	36	0	19.89	19.98	19.81
15	QPSK	36	20	19.55	19.82	19.78
15	QPSK	36	39	19.54	19.71	19.70
15	QPSK	75	0	19.33	19.83	19.80
15	16QAM	1	0	20.40	20.76	20.45
15	16QAM	1	37	20.36	20.34	20.40
15	16QAM	1	74	20.31	20.33	20.35
15	16QAM	36	0	18.54	18.89	19.03
15	16QAM	36	20	18.75	18.86	18.99
15	16QAM	36	39	18.80	18.92	19.01
15	16QAM	75	0	18.71	19.21	18.97
15	64QAM	1	0	19.26	19.38	19.42
15	64QAM	1	37	19.13	19.08	19.23
15	64QAM	1	74	19.12	19.02	19.05
15	64QAM	36	0	17.81	18.19	17.76
15	64QAM	36	20	17.80	18.10	17.82
15	64QAM	36	39	17.69	17.99	17.80
15	64QAM	75	0	17.64	18.13	17.96



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20800	21100	21400
Frequency (MHz)				2505	2535	2565
10	QPSK	1	0	20.43	20.85	20.83
10	QPSK	1	25	20.37	20.64	20.70
10	QPSK	1	49	20.35	20.57	20.63
10	QPSK	25	0	19.86	19.95	19.78
10	QPSK	25	12	19.52	19.79	19.75
10	QPSK	25	25	19.51	19.68	19.67
10	QPSK	50	0	19.30	19.80	19.77
10	16QAM	1	0	20.37	20.73	20.42
10	16QAM	1	25	20.33	20.31	20.37
10	16QAM	1	49	20.28	20.30	20.32
10	16QAM	25	0	18.51	18.86	19.00
10	16QAM	25	12	18.72	18.83	18.96
10	16QAM	25	25	18.77	18.89	18.98
10	16QAM	50	0	18.68	19.18	18.94
10	64QAM	1	0	19.23	19.35	19.39
10	64QAM	1	25	19.10	19.05	19.20
10	64QAM	1	49	19.09	18.99	19.02
10	64QAM	25	0	17.78	18.16	17.73
10	64QAM	25	12	17.77	18.07	17.79
10	64QAM	25	25	17.66	17.96	17.77
10	64QAM	50	0	17.61	18.10	17.93



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	20.40	20.82	20.80
5	QPSK	1	12	20.34	20.61	20.67
5	QPSK	1	24	20.32	20.54	20.60
5	QPSK	12	0	19.83	19.92	19.75
5	QPSK	12	7	19.49	19.76	19.72
5	QPSK	12	13	19.48	19.65	19.64
5	QPSK	25	0	19.27	19.77	19.74
5	16QAM	1	0	20.34	20.70	20.39
5	16QAM	1	12	20.30	20.28	20.34
5	16QAM	1	24	20.25	20.27	20.29
5	16QAM	12	0	18.48	18.83	18.97
5	16QAM	12	7	18.69	18.80	18.93
5	16QAM	12	13	18.74	18.86	18.95
5	16QAM	25	0	18.65	19.15	18.91
5	64QAM	1	0	19.20	19.32	19.36
5	64QAM	1	12	19.07	19.02	19.17
5	64QAM	1	24	19.06	18.96	18.99
5	64QAM	12	0	17.75	18.13	17.70
5	64QAM	12	7	17.74	18.04	17.76
5	64QAM	12	13	17.63	17.93	17.74
5	64QAM	25	0	17.58	18.07	17.90



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23060	23095	23130
Frequency (MHz)				704	707.5	711
10	QPSK	1	0	22.22	22.35	22.28
10	QPSK	1	25	21.06	22.09	22.10
10	QPSK	1	49	21.95	21.96	22.15
10	QPSK	25	0	21.30	21.37	21.31
10	QPSK	25	12	20.98	21.12	21.10
10	QPSK	25	25	21.04	21.40	21.43
10	QPSK	50	0	21.00	21.07	21.01
10	16QAM	1	0	21.62	21.65	21.37
10	16QAM	1	25	21.42	21.64	21.20
10	16QAM	1	49	21.23	21.15	21.16
10	16QAM	25	0	20.43	20.46	20.33
10	16QAM	25	12	20.21	20.66	20.53
10	16QAM	25	25	20.41	20.61	20.68
10	16QAM	50	0	20.31	20.35	20.52
10	64QAM	1	0	20.39	20.69	20.57
10	64QAM	1	25	20.31	20.32	20.68
10	64QAM	1	49	20.23	20.26	20.60
10	64QAM	25	0	17.93	18.32	17.97
10	64QAM	25	12	17.91	18.24	18.27
10	64QAM	25	25	17.85	18.10	17.89
10	64QAM	50	0	17.62	18.09	17.87



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	21.97	22.14	22.13
5	QPSK	1	12	21.81	22.04	22.05
5	QPSK	1	24	21.64	21.91	21.78
5	QPSK	12	0	21.25	21.28	21.26
5	QPSK	12	7	20.93	21.07	21.05
5	QPSK	12	13	20.99	21.35	21.38
5	QPSK	25	0	20.95	21.02	20.96
5	16QAM	1	0	21.57	21.60	21.32
5	16QAM	1	12	21.37	21.59	21.15
5	16QAM	1	24	21.18	21.10	21.11
5	16QAM	12	0	20.38	20.41	20.28
5	16QAM	12	7	20.16	20.61	20.48
5	16QAM	12	13	20.36	20.56	20.63
5	16QAM	25	0	20.26	20.30	20.47
5	64QAM	1	0	20.34	20.64	20.52
5	64QAM	1	12	20.26	20.27	20.63
5	64QAM	1	24	20.18	20.21	20.55
5	64QAM	12	0	17.88	18.27	17.92
5	64QAM	12	7	17.86	18.19	18.22
5	64QAM	12	13	17.80	18.05	17.84
5	64QAM	25	0	17.57	18.04	17.82



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	21.92	22.09	22.08
3	QPSK	1	8	21.76	21.99	22.00
3	QPSK	1	14	21.59	21.86	21.73
3	QPSK	8	0	21.20	21.23	21.21
3	QPSK	8	4	20.88	21.02	21.00
3	QPSK	8	7	20.94	21.30	21.33
3	QPSK	15	0	20.90	20.97	20.91
3	16QAM	1	0	21.52	21.55	21.27
3	16QAM	1	8	21.32	21.54	21.10
3	16QAM	1	14	21.13	21.05	21.06
3	16QAM	8	0	20.33	20.36	20.23
3	16QAM	8	4	20.11	20.56	20.43
3	16QAM	8	7	20.31	20.51	20.58
3	16QAM	15	0	20.21	20.25	20.42
3	64QAM	1	0	20.29	20.59	20.47
3	64QAM	1	8	20.21	20.22	20.58
3	64QAM	1	14	20.13	20.16	20.50
3	64QAM	8	0	17.83	18.22	17.87
3	64QAM	8	4	17.81	18.14	18.17
3	64QAM	8	7	17.75	18.00	17.79
3	64QAM	15	0	17.52	17.99	17.77



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				23017	23095	23173
Frequency (MHz)				699.7	707.5	715.3
1.4	QPSK	1	0	21.87	22.04	22.03
1.4	QPSK	1	3	21.71	21.94	21.95
1.4	QPSK	1	5	21.54	21.81	21.68
1.4	QPSK	3	0	21.15	21.18	21.16
1.4	QPSK	3	1	20.83	20.97	20.95
1.4	QPSK	3	3	20.89	21.25	21.28
1.4	QPSK	6	0	20.85	20.92	20.86
1.4	16QAM	1	0	21.47	21.50	21.22
1.4	16QAM	1	3	21.27	21.49	21.05
1.4	16QAM	1	5	21.08	21.00	21.01
1.4	16QAM	3	0	20.28	20.31	20.18
1.4	16QAM	3	1	20.06	20.51	20.38
1.4	16QAM	3	3	20.26	20.46	20.53
1.4	16QAM	6	0	20.16	20.20	20.37
1.4	64QAM	1	0	20.24	20.54	20.42
1.4	64QAM	1	3	20.16	20.17	20.53
1.4	64QAM	1	5	20.08	20.11	20.45
1.4	64QAM	3	0	17.78	18.17	17.82
1.4	64QAM	3	1	17.76	18.09	18.12
1.4	64QAM	3	3	17.70	17.95	17.74
1.4	64QAM	6	0	17.47	17.94	17.72



LTE Band 17						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23780	23790	23800
Frequency (MHz)				709	710	711
10	QPSK	1	0	22.16	22.19	22.08
10	QPSK	1	25	22.13	22.14	21.99
10	QPSK	1	49	22.15	22.16	21.93
10	QPSK	25	0	21.30	21.33	21.31
10	QPSK	25	12	21.16	21.16	21.22
10	QPSK	25	25	21.00	21.18	21.18
10	QPSK	50	0	21.50	21.52	21.47
10	16QAM	1	0	21.55	21.63	21.59
10	16QAM	1	25	21.46	21.53	21.53
10	16QAM	1	49	21.43	21.49	21.51
10	16QAM	25	0	20.43	20.55	20.49
10	16QAM	25	12	20.25	20.35	20.46
10	16QAM	25	25	20.46	20.39	20.43
10	16QAM	50	0	20.15	20.36	20.41
10	64QAM	1	0	20.53	20.57	20.52
10	64QAM	1	25	20.42	20.47	20.34
10	64QAM	1	49	20.28	20.50	20.11
10	64QAM	25	0	18.25	18.41	18.39
10	64QAM	25	12	18.05	18.43	18.36
10	64QAM	25	25	17.93	17.95	17.94
10	64QAM	50	0	17.79	17.86	17.69



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	21.92	22.11	21.84
5	QPSK	1	12	21.89	22.00	21.75
5	QPSK	1	24	21.91	21.92	21.69
5	QPSK	12	0	21.06	21.09	21.07
5	QPSK	12	7	20.92	20.92	20.98
5	QPSK	12	13	20.76	20.94	20.94
5	QPSK	25	0	21.26	21.28	21.23
5	16QAM	1	0	21.31	21.39	21.35
5	16QAM	1	12	21.22	21.29	21.29
5	16QAM	1	24	21.19	21.25	21.27
5	16QAM	12	0	20.19	20.31	20.25
5	16QAM	12	7	20.01	20.11	20.22
5	16QAM	12	13	20.22	20.15	20.19
5	16QAM	25	0	19.91	20.12	20.17
5	64QAM	1	0	20.29	20.33	20.28
5	64QAM	1	12	20.18	20.23	20.10
5	64QAM	1	24	20.04	20.26	19.87
5	64QAM	12	0	18.01	18.17	18.15
5	64QAM	12	7	17.81	18.19	18.12
5	64QAM	12	13	17.69	17.71	17.70
5	64QAM	25	0	17.55	17.62	17.45



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132072	132322	132572
Frequency (MHz)				1720	1745	1770
20	QPSK	1	0	21.52	21.68	21.55
20	QPSK	1	49	21.35	21.46	21.24
20	QPSK	1	99	21.21	21.18	21.33
20	QPSK	50	0	20.14	20.37	20.15
20	QPSK	50	24	20.18	20.29	20.23
20	QPSK	50	50	20.23	20.16	20.12
20	QPSK	100	0	20.15	20.29	20.13
20	16QAM	1	0	20.39	20.69	20.42
20	16QAM	1	49	20.64	20.71	20.49
20	16QAM	1	99	20.59	20.69	20.41
20	16QAM	50	0	19.42	19.49	19.31
20	16QAM	50	24	19.46	19.41	19.35
20	16QAM	50	50	19.39	19.39	19.35
20	16QAM	100	0	19.42	19.31	19.43
20	64QAM	1	0	19.50	19.53	19.54
20	64QAM	1	49	19.58	19.62	19.61
20	64QAM	1	99	19.54	19.59	19.62
20	64QAM	50	0	18.97	18.49	18.89
20	64QAM	50	24	18.85	18.61	18.72
20	64QAM	50	50	18.97	18.86	18.73
20	64QAM	100	0	19.02	18.54	18.53



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	21.18	21.22	21.21
15	QPSK	1	37	21.04	20.99	21.12
15	QPSK	1	74	21.11	21.03	21.16
15	QPSK	36	0	20.11	20.34	20.12
15	QPSK	36	20	20.15	20.26	20.20
15	QPSK	36	39	20.20	20.13	20.09
15	QPSK	75	0	20.12	20.26	20.10
15	16QAM	1	0	20.36	20.66	20.39
15	16QAM	1	37	20.61	20.68	20.46
15	16QAM	1	74	20.56	20.66	20.38
15	16QAM	36	0	19.39	19.46	19.28
15	16QAM	36	20	19.43	19.38	19.32
15	16QAM	36	39	19.36	19.36	19.32
15	16QAM	75	0	19.39	19.28	19.40
15	64QAM	1	0	19.47	19.50	19.51
15	64QAM	1	37	19.55	19.59	19.58
15	64QAM	1	74	19.51	19.56	19.59
15	64QAM	36	0	18.94	18.46	18.86
15	64QAM	36	20	18.82	18.58	18.69
15	64QAM	36	39	18.94	18.83	18.70
15	64QAM	75	0	18.99	18.51	18.50



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132022	132322	132622
Frequency (MHz)				1715	1745	1775
10	QPSK	1	0	21.15	21.19	21.18
10	QPSK	1	25	21.01	20.96	21.09
10	QPSK	1	49	21.08	21.00	21.13
10	QPSK	25	0	20.08	20.31	20.09
10	QPSK	25	12	20.12	20.23	20.17
10	QPSK	25	25	20.17	20.10	20.06
10	QPSK	50	0	20.09	20.23	20.07
10	16QAM	1	0	20.33	20.63	20.36
10	16QAM	1	25	20.58	20.65	20.43
10	16QAM	1	49	20.53	20.63	20.35
10	16QAM	25	0	19.36	19.43	19.25
10	16QAM	25	12	19.40	19.35	19.29
10	16QAM	25	25	19.33	19.33	19.29
10	16QAM	50	0	19.36	19.25	19.37
10	64QAM	1	0	19.44	19.47	19.48
10	64QAM	1	25	19.52	19.56	19.55
10	64QAM	1	49	19.48	19.53	19.56
10	64QAM	25	0	18.91	18.43	18.83
10	64QAM	25	12	18.79	18.55	18.66
10	64QAM	25	25	18.91	18.80	18.67
10	64QAM	50	0	18.96	18.48	18.47



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				131997	132322	132647
Frequency (MHz)				1712.5	1745	1777.5
5	QPSK	1	0	21.12	21.16	21.15
5	QPSK	1	12	20.98	20.93	21.06
5	QPSK	1	24	21.05	20.97	21.10
5	QPSK	12	0	20.05	20.28	20.06
5	QPSK	12	7	20.09	20.20	20.14
5	QPSK	12	13	20.14	20.07	20.03
5	QPSK	25	0	20.06	20.20	20.04
5	16QAM	1	0	20.30	20.60	20.33
5	16QAM	1	12	20.55	20.62	20.40
5	16QAM	1	24	20.50	20.60	20.32
5	16QAM	12	0	19.33	19.40	19.22
5	16QAM	12	7	19.37	19.32	19.26
5	16QAM	12	13	19.30	19.30	19.26
5	16QAM	25	0	19.33	19.22	19.34
5	64QAM	1	0	19.41	19.44	19.45
5	64QAM	1	12	19.49	19.53	19.52
5	64QAM	1	24	19.45	19.50	19.53
5	64QAM	12	0	18.88	18.40	18.80
5	64QAM	12	7	18.76	18.52	18.63
5	64QAM	12	13	18.88	18.77	18.64
5	64QAM	25	0	18.93	18.45	18.44



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				131987	132322	132657
Frequency (MHz)				1711.5	1745	1778.5
3	QPSK	1	0	21.07	21.11	21.10
3	QPSK	1	8	20.93	20.88	21.01
3	QPSK	1	14	21.00	20.92	21.05
3	QPSK	8	0	20.00	20.23	20.01
3	QPSK	8	4	20.04	20.15	20.09
3	QPSK	8	7	20.09	20.02	19.98
3	QPSK	15	0	20.01	20.15	19.99
3	16QAM	1	0	20.25	20.55	20.28
3	16QAM	1	8	20.50	20.57	20.35
3	16QAM	1	14	20.45	20.55	20.27
3	16QAM	8	0	19.28	19.35	19.17
3	16QAM	8	4	19.32	19.27	19.21
3	16QAM	8	7	19.25	19.25	19.21
3	16QAM	15	0	19.28	19.17	19.29
3	64QAM	1	0	19.38	19.41	19.42
3	64QAM	1	8	19.46	19.50	19.49
3	64QAM	1	14	19.42	19.47	19.50
3	64QAM	8	0	18.85	18.37	18.77
3	64QAM	8	4	18.73	18.49	18.60
3	64QAM	8	7	18.85	18.74	18.61
3	64QAM	15	0	18.90	18.42	18.41



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				131979	132322	132665
Frequency (MHz)				1710.7	1745	1779.3
1.4	QPSK	1	0	21.05	21.09	21.08
1.4	QPSK	1	3	20.91	20.86	20.99
1.4	QPSK	1	5	20.98	20.90	21.03
1.4	QPSK	3	0	19.98	20.21	19.99
1.4	QPSK	3	1	20.02	20.13	20.07
1.4	QPSK	3	3	20.07	20.00	19.96
1.4	QPSK	6	0	19.99	20.13	19.97
1.4	16QAM	1	0	20.23	20.53	20.26
1.4	16QAM	1	3	20.48	20.55	20.33
1.4	16QAM	1	5	20.43	20.53	20.25
1.4	16QAM	3	0	19.26	19.33	19.15
1.4	16QAM	3	1	19.30	19.25	19.19
1.4	16QAM	3	3	19.23	19.23	19.19
1.4	16QAM	6	0	19.26	19.15	19.27
1.4	64QAM	1	0	19.35	19.38	19.39
1.4	64QAM	1	3	19.43	19.47	19.46
1.4	64QAM	1	5	19.39	19.44	19.47
1.4	64QAM	3	0	18.82	18.34	18.74
1.4	64QAM	3	1	18.70	18.46	18.57
1.4	64QAM	3	3	18.82	18.71	18.58
1.4	64QAM	6	0	18.87	18.39	18.38



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	22.18	0.165	22.64	0.184	22.36	0.172
20	QPSK	1	49	22.15	0.164	22.43	0.175	22.28	0.169
20	QPSK	1	99	22.17	0.165	22.45	0.176	22.15	0.164
20	QPSK	50	0	21.41	0.138	21.81	0.152	21.42	0.139
20	QPSK	50	24	21.36	0.137	21.77	0.150	21.37	0.137
20	QPSK	50	50	21.33	0.136	21.75	0.150	21.38	0.137
20	QPSK	100	0	21.08	0.128	21.46	0.140	21.43	0.139
20	16QAM	1	0	20.87	0.122	21.34	0.136	21.15	0.130
20	16QAM	1	49	21.09	0.129	21.23	0.133	20.96	0.125
20	16QAM	1	99	20.93	0.124	21.20	0.132	20.93	0.124
20	16QAM	50	0	20.33	0.108	20.64	0.116	20.71	0.118
20	16QAM	50	24	20.27	0.106	20.52	0.113	20.57	0.114
20	16QAM	50	50	20.22	0.105	20.46	0.111	20.53	0.113
20	16QAM	100	0	20.33	0.108	20.79	0.120	20.53	0.113
20	64QAM	1	0	21.06	0.128	21.25	0.133	21.44	0.139
20	64QAM	1	49	21.03	0.127	21.28	0.134	21.33	0.136
20	64QAM	1	99	20.99	0.126	21.18	0.131	21.21	0.132
20	64QAM	50	0	20.48	0.112	20.79	0.120	20.70	0.117
20	64QAM	50	24	20.37	0.109	20.68	0.117	20.63	0.116
20	64QAM	50	50	20.35	0.108	20.69	0.117	20.57	0.114
20	64QAM	100	0	20.33	0.108	20.80	0.120	20.45	0.111



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18675		18900		19125	
Frequency (MHz)				1857.5		1880		1902.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	22.15	0.164	22.61	0.182	22.33	0.171
15	QPSK	1	37	22.12	0.163	22.40	0.174	22.25	0.168
15	QPSK	1	74	22.14	0.164	22.42	0.175	22.12	0.163
15	QPSK	36	0	21.38	0.137	21.78	0.151	21.39	0.138
15	QPSK	36	20	21.33	0.136	21.74	0.149	21.34	0.136
15	QPSK	36	39	21.30	0.135	21.72	0.149	21.35	0.136
15	QPSK	75	0	21.05	0.127	21.43	0.139	21.40	0.138
15	16QAM	1	0	20.84	0.121	21.31	0.135	21.12	0.129
15	16QAM	1	37	21.06	0.128	21.20	0.132	20.93	0.124
15	16QAM	1	74	20.90	0.123	21.17	0.131	20.90	0.123
15	16QAM	36	0	20.30	0.107	20.61	0.115	20.68	0.117
15	16QAM	36	20	20.24	0.106	20.49	0.112	20.54	0.113
15	16QAM	36	39	20.19	0.104	20.43	0.110	20.50	0.112
15	16QAM	75	0	20.30	0.107	20.76	0.119	20.50	0.112
15	64QAM	1	0	21.03	0.127	21.22	0.132	21.41	0.138
15	64QAM	1	37	21.00	0.126	21.25	0.133	21.30	0.135
15	64QAM	1	74	20.96	0.125	21.15	0.130	21.18	0.131
15	64QAM	36	0	20.45	0.111	20.76	0.119	20.67	0.117
15	64QAM	36	20	20.34	0.108	20.65	0.116	20.60	0.115
15	64QAM	36	39	20.32	0.108	20.66	0.116	20.54	0.113
15	64QAM	75	0	20.30	0.107	20.77	0.119	20.42	0.110



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	22.12	0.163	22.58	0.181	22.30	0.170
10	QPSK	1	25	22.09	0.162	22.37	0.173	22.22	0.167
10	QPSK	1	49	22.11	0.163	22.39	0.173	22.09	0.162
10	QPSK	25	0	21.35	0.136	21.75	0.150	21.36	0.137
10	QPSK	25	12	21.30	0.135	21.71	0.148	21.31	0.135
10	QPSK	25	25	21.27	0.134	21.69	0.148	21.32	0.136
10	QPSK	50	0	21.02	0.126	21.40	0.138	21.37	0.137
10	16QAM	1	0	20.81	0.121	21.28	0.134	21.09	0.129
10	16QAM	1	25	21.03	0.127	21.17	0.131	20.90	0.123
10	16QAM	1	49	20.87	0.122	21.14	0.130	20.87	0.122
10	16QAM	25	0	20.27	0.106	20.58	0.114	20.65	0.116
10	16QAM	25	12	20.21	0.105	20.46	0.111	20.51	0.112
10	16QAM	25	25	20.16	0.104	20.40	0.110	20.47	0.111
10	16QAM	50	0	20.27	0.106	20.73	0.118	20.47	0.111
10	64QAM	1	0	21.00	0.126	21.19	0.132	21.38	0.137
10	64QAM	1	25	20.97	0.125	21.22	0.132	21.27	0.134
10	64QAM	1	49	20.93	0.124	21.12	0.129	21.15	0.130
10	64QAM	25	0	20.42	0.110	20.73	0.118	20.64	0.116
10	64QAM	25	12	20.31	0.107	20.62	0.115	20.57	0.114
10	64QAM	25	25	20.29	0.107	20.63	0.116	20.51	0.112
10	64QAM	50	0	20.27	0.106	20.74	0.119	20.39	0.109



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18625		18900		19175	
Frequency (MHz)				1852.5		1880		1907.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	22.10	0.162	22.56	0.180	22.28	0.169
5	QPSK	1	12	22.07	0.161	22.35	0.172	22.20	0.166
5	QPSK	1	24	22.09	0.162	22.37	0.173	22.07	0.161
5	QPSK	12	0	21.33	0.136	21.73	0.149	21.34	0.136
5	QPSK	12	7	21.28	0.134	21.69	0.148	21.29	0.135
5	QPSK	12	13	21.25	0.133	21.67	0.147	21.30	0.135
5	QPSK	25	0	21.00	0.126	21.38	0.137	21.35	0.136
5	16QAM	1	0	20.79	0.120	21.26	0.134	21.07	0.128
5	16QAM	1	12	21.01	0.126	21.15	0.130	20.88	0.122
5	16QAM	1	24	20.85	0.122	21.12	0.129	20.85	0.122
5	16QAM	12	0	20.25	0.106	20.56	0.114	20.63	0.116
5	16QAM	12	7	20.19	0.104	20.44	0.111	20.49	0.112
5	16QAM	12	13	20.14	0.103	20.38	0.109	20.45	0.111
5	16QAM	25	0	20.25	0.106	20.71	0.118	20.45	0.111
5	64QAM	1	0	20.98	0.125	21.17	0.131	21.36	0.137
5	64QAM	1	12	20.95	0.124	21.20	0.132	21.25	0.133
5	64QAM	1	24	20.91	0.123	21.10	0.129	21.13	0.130
5	64QAM	12	0	20.40	0.110	20.71	0.118	20.62	0.115
5	64QAM	12	7	20.29	0.107	20.60	0.115	20.55	0.114
5	64QAM	12	13	20.27	0.106	20.61	0.115	20.49	0.112
5	64QAM	25	0	20.25	0.106	20.72	0.118	20.37	0.109



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18615		18900		19185	
Frequency (MHz)				1851.5		1880		1908.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	22.07	0.161	22.53	0.179	22.25	0.168
3	QPSK	1	8	22.04	0.160	22.32	0.171	22.17	0.165
3	QPSK	1	14	22.06	0.161	22.34	0.171	22.04	0.160
3	QPSK	8	0	21.30	0.135	21.70	0.148	21.31	0.135
3	QPSK	8	4	21.25	0.133	21.66	0.147	21.26	0.134
3	QPSK	8	7	21.22	0.132	21.64	0.146	21.27	0.134
3	QPSK	15	0	20.97	0.125	21.35	0.136	21.32	0.136
3	16QAM	1	0	20.76	0.119	21.23	0.133	21.04	0.127
3	16QAM	1	8	20.98	0.125	21.12	0.129	20.85	0.122
3	16QAM	1	14	20.82	0.121	21.09	0.129	20.82	0.121
3	16QAM	8	0	20.22	0.105	20.53	0.113	20.60	0.115
3	16QAM	8	4	20.16	0.104	20.41	0.110	20.46	0.111
3	16QAM	8	7	20.11	0.103	20.35	0.108	20.42	0.110
3	16QAM	15	0	20.22	0.105	20.68	0.117	20.42	0.110
3	64QAM	1	0	20.95	0.124	21.14	0.130	21.33	0.136
3	64QAM	1	8	20.92	0.124	21.17	0.131	21.22	0.132
3	64QAM	1	14	20.88	0.122	21.07	0.128	21.10	0.129
3	64QAM	8	0	20.37	0.109	20.68	0.117	20.59	0.115
3	64QAM	8	4	20.26	0.106	20.57	0.114	20.52	0.113
3	64QAM	8	7	20.24	0.106	20.58	0.114	20.46	0.111
3	64QAM	15	0	20.22	0.105	20.69	0.117	20.34	0.108



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	22.04	0.160	22.50	0.178	22.22	0.167
1.4	QPSK	1	3	22.01	0.159	22.29	0.169	22.14	0.164
1.4	QPSK	1	5	22.03	0.160	22.31	0.170	22.01	0.159
1.4	QPSK	3	0	21.27	0.134	21.67	0.147	21.28	0.134
1.4	QPSK	3	1	21.22	0.132	21.63	0.146	21.23	0.133
1.4	QPSK	3	3	21.19	0.132	21.61	0.145	21.24	0.133
1.4	QPSK	6	0	20.94	0.124	21.32	0.136	21.29	0.135
1.4	16QAM	1	0	20.73	0.118	21.20	0.132	21.01	0.126
1.4	16QAM	1	3	20.95	0.124	21.09	0.129	20.82	0.121
1.4	16QAM	1	5	20.79	0.120	21.06	0.128	20.79	0.120
1.4	16QAM	3	0	20.19	0.104	20.50	0.112	20.57	0.114
1.4	16QAM	3	1	20.13	0.103	20.38	0.109	20.43	0.110
1.4	16QAM	3	3	20.08	0.102	20.32	0.108	20.39	0.109
1.4	16QAM	6	0	20.19	0.104	20.65	0.116	20.39	0.109
1.4	64QAM	1	0	20.92	0.124	21.11	0.129	21.30	0.135
1.4	64QAM	1	3	20.89	0.123	21.14	0.130	21.19	0.132
1.4	64QAM	1	5	20.85	0.122	21.04	0.127	21.07	0.128
1.4	64QAM	3	0	20.34	0.108	20.65	0.116	20.56	0.114
1.4	64QAM	3	1	20.23	0.105	20.54	0.113	20.49	0.112
1.4	64QAM	3	3	20.21	0.105	20.55	0.114	20.43	0.110
1.4	64QAM	6	0	20.19	0.104	20.66	0.116	20.31	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				20050		20175		20300	
Frequency (MHz)				1720		1732.5		1745	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	22.65	0.184	22.68	0.185	22.52	0.179
20	QPSK	1	49	22.61	0.182	22.59	0.182	22.40	0.174
20	QPSK	1	99	22.58	0.181	22.51	0.178	22.41	0.174
20	QPSK	50	0	21.72	0.149	21.89	0.155	21.62	0.145
20	QPSK	50	24	21.58	0.144	21.53	0.142	21.55	0.143
20	QPSK	50	50	21.58	0.144	21.68	0.147	21.56	0.143
20	QPSK	100	0	21.64	0.146	21.68	0.147	21.51	0.142
20	16QAM	1	0	22.02	0.159	21.81	0.152	21.92	0.156
20	16QAM	1	49	21.77	0.150	22.00	0.158	21.99	0.158
20	16QAM	1	99	21.90	0.155	21.57	0.144	21.86	0.153
20	16QAM	50	0	20.88	0.122	20.76	0.119	20.89	0.123
20	16QAM	50	24	20.88	0.122	20.85	0.122	20.76	0.119
20	16QAM	50	50	20.81	0.121	20.70	0.117	20.67	0.117
20	16QAM	100	0	20.87	0.122	20.68	0.117	20.73	0.118
20	64QAM	1	0	20.81	0.121	21.04	0.127	20.83	0.121
20	64QAM	1	49	20.96	0.125	20.88	0.122	20.90	0.123
20	64QAM	1	99	21.07	0.128	20.58	0.114	20.99	0.126
20	64QAM	50	0	20.23	0.105	20.03	0.101	19.96	0.099
20	64QAM	50	24	20.20	0.105	20.08	0.102	20.01	0.100
20	64QAM	50	50	20.06	0.101	20.02	0.100	20.45	0.111
20	64QAM	100	0	20.26	0.106	19.81	0.096	20.11	0.103



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20025		20175		20325	
Frequency (MHz)				1717.5		1732.5		1747.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	22.63	0.183	22.66	0.185	22.50	0.178
15	QPSK	1	37	22.59	0.182	22.57	0.181	22.38	0.173
15	QPSK	1	74	22.56	0.180	22.49	0.177	22.39	0.173
15	QPSK	36	0	21.70	0.148	21.87	0.154	21.60	0.145
15	QPSK	36	20	21.56	0.143	21.51	0.142	21.53	0.142
15	QPSK	36	39	21.56	0.143	21.66	0.147	21.54	0.143
15	QPSK	75	0	21.62	0.145	21.66	0.147	21.49	0.141
15	16QAM	1	0	22.00	0.158	21.79	0.151	21.90	0.155
15	16QAM	1	37	21.75	0.150	21.98	0.158	21.97	0.157
15	16QAM	1	74	21.88	0.154	21.55	0.143	21.84	0.153
15	16QAM	36	0	20.86	0.122	20.74	0.119	20.87	0.122
15	16QAM	36	20	20.86	0.122	20.83	0.121	20.74	0.119
15	16QAM	36	39	20.79	0.120	20.68	0.117	20.65	0.116
15	16QAM	75	0	20.85	0.122	20.66	0.116	20.71	0.118
15	64QAM	1	0	20.79	0.120	21.02	0.126	20.81	0.121
15	64QAM	1	37	20.94	0.124	20.86	0.122	20.88	0.122
15	64QAM	1	74	21.05	0.127	20.56	0.114	20.97	0.125
15	64QAM	36	0	20.21	0.105	20.01	0.100	19.94	0.099
15	64QAM	36	20	20.18	0.104	20.06	0.101	19.99	0.100
15	64QAM	36	39	20.04	0.101	20.00	0.100	20.43	0.110
15	64QAM	75	0	20.24	0.106	19.79	0.095	20.09	0.102



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20000		20175		20350	
Frequency (MHz)				1715		1732.5		1750	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	22.61	0.182	22.64	0.184	22.48	0.177
10	QPSK	1	25	22.57	0.181	22.55	0.180	22.36	0.172
10	QPSK	1	49	22.54	0.179	22.47	0.177	22.37	0.173
10	QPSK	25	0	21.68	0.147	21.85	0.153	21.58	0.144
10	QPSK	25	12	21.54	0.143	21.49	0.141	21.51	0.142
10	QPSK	25	25	21.54	0.143	21.64	0.146	21.52	0.142
10	QPSK	50	0	21.60	0.145	21.64	0.146	21.47	0.140
10	16QAM	1	0	21.98	0.158	21.77	0.150	21.88	0.154
10	16QAM	1	25	21.73	0.149	21.96	0.157	21.95	0.157
10	16QAM	1	49	21.86	0.153	21.53	0.142	21.82	0.152
10	16QAM	25	0	20.84	0.121	20.72	0.118	20.85	0.122
10	16QAM	25	12	20.84	0.121	20.81	0.121	20.72	0.118
10	16QAM	25	25	20.77	0.119	20.66	0.116	20.63	0.116
10	16QAM	50	0	20.83	0.121	20.64	0.116	20.69	0.117
10	64QAM	1	0	20.77	0.119	21.00	0.126	20.79	0.120
10	64QAM	1	25	20.92	0.124	20.84	0.121	20.86	0.122
10	64QAM	1	49	21.03	0.127	20.54	0.113	20.95	0.124
10	64QAM	25	0	20.19	0.104	19.99	0.100	19.92	0.098
10	64QAM	25	12	20.16	0.104	20.04	0.101	19.97	0.099
10	64QAM	25	25	20.02	0.100	19.98	0.100	20.41	0.110
10	64QAM	50	0	20.22	0.105	19.77	0.095	20.07	0.102



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19975		20175		20375	
Frequency (MHz)				1712.5		1732.5		1752.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	22.59	0.182	22.62	0.183	22.46	0.176
5	QPSK	1	12	22.55	0.180	22.53	0.179	22.34	0.171
5	QPSK	1	24	22.52	0.179	22.45	0.176	22.35	0.172
5	QPSK	12	0	21.66	0.147	21.83	0.152	21.56	0.143
5	QPSK	12	7	21.52	0.142	21.47	0.140	21.49	0.141
5	QPSK	12	13	21.52	0.142	21.62	0.145	21.50	0.141
5	QPSK	25	0	21.58	0.144	21.62	0.145	21.45	0.140
5	16QAM	1	0	21.96	0.157	21.75	0.150	21.86	0.153
5	16QAM	1	12	21.71	0.148	21.94	0.156	21.93	0.156
5	16QAM	1	24	21.84	0.153	21.51	0.142	21.80	0.151
5	16QAM	12	0	20.82	0.121	20.70	0.117	20.83	0.121
5	16QAM	12	7	20.82	0.121	20.79	0.120	20.70	0.117
5	16QAM	12	13	20.75	0.119	20.64	0.116	20.61	0.115
5	16QAM	25	0	20.81	0.121	20.62	0.115	20.67	0.117
5	64QAM	1	0	20.75	0.119	20.98	0.125	20.77	0.119
5	64QAM	1	12	20.90	0.123	20.82	0.121	20.84	0.121
5	64QAM	1	24	21.01	0.126	20.52	0.113	20.93	0.124
5	64QAM	12	0	20.17	0.104	19.97	0.099	19.90	0.098
5	64QAM	12	7	20.14	0.103	20.02	0.100	19.95	0.099
5	64QAM	12	13	20.00	0.100	19.96	0.099	20.39	0.109
5	64QAM	25	0	20.20	0.105	19.75	0.094	20.05	0.101



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19965		20175		20385	
Frequency (MHz)				1711.5		1732.5		1753.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	22.57	0.181	22.60	0.182	22.44	0.175
3	QPSK	1	8	22.53	0.179	22.51	0.178	22.32	0.171
3	QPSK	1	14	22.50	0.178	22.43	0.175	22.33	0.171
3	QPSK	8	0	21.64	0.146	21.81	0.152	21.54	0.143
3	QPSK	8	4	21.50	0.141	21.45	0.140	21.47	0.140
3	QPSK	8	7	21.50	0.141	21.60	0.145	21.48	0.141
3	QPSK	15	0	21.56	0.143	21.60	0.145	21.43	0.139
3	16QAM	1	0	21.94	0.156	21.73	0.149	21.84	0.153
3	16QAM	1	8	21.69	0.148	21.92	0.156	21.91	0.155
3	16QAM	1	14	21.82	0.152	21.49	0.141	21.78	0.151
3	16QAM	8	0	20.80	0.120	20.68	0.117	20.81	0.121
3	16QAM	8	4	20.80	0.120	20.77	0.119	20.68	0.117
3	16QAM	8	7	20.73	0.118	20.62	0.115	20.59	0.115
3	16QAM	15	0	20.79	0.120	20.60	0.115	20.65	0.116
3	64QAM	1	0	20.73	0.118	20.96	0.125	20.75	0.119
3	64QAM	1	8	20.88	0.122	20.80	0.120	20.82	0.121
3	64QAM	1	14	20.99	0.126	20.50	0.112	20.91	0.123
3	64QAM	8	0	20.15	0.104	19.95	0.099	19.88	0.097
3	64QAM	8	4	20.12	0.103	20.00	0.100	19.93	0.098
3	64QAM	8	7	19.98	0.100	19.94	0.099	20.37	0.109
3	64QAM	15	0	20.18	0.104	19.73	0.094	20.03	0.101



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19957		20175		20393	
Frequency (MHz)				1710.7		1732.5		1754.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	22.55	0.180	22.58	0.181	22.42	0.175
1.4	QPSK	1	3	22.51	0.178	22.49	0.177	22.30	0.170
1.4	QPSK	1	5	22.48	0.177	22.41	0.174	22.31	0.170
1.4	QPSK	3	0	21.62	0.145	21.79	0.151	21.52	0.142
1.4	QPSK	3	1	21.48	0.141	21.43	0.139	21.45	0.140
1.4	QPSK	3	3	21.48	0.141	21.58	0.144	21.46	0.140
1.4	QPSK	6	0	21.54	0.143	21.58	0.144	21.41	0.138
1.4	16QAM	1	0	21.92	0.156	21.71	0.148	21.82	0.152
1.4	16QAM	1	3	21.67	0.147	21.90	0.155	21.89	0.155
1.4	16QAM	1	5	21.80	0.151	21.47	0.140	21.76	0.150
1.4	16QAM	3	0	20.78	0.120	20.66	0.116	20.79	0.120
1.4	16QAM	3	1	20.78	0.120	20.75	0.119	20.66	0.116
1.4	16QAM	3	3	20.71	0.118	20.60	0.115	20.57	0.114
1.4	16QAM	6	0	20.77	0.119	20.58	0.114	20.63	0.116
1.4	64QAM	1	0	20.71	0.118	20.94	0.124	20.73	0.118
1.4	64QAM	1	3	20.86	0.122	20.78	0.120	20.80	0.120
1.4	64QAM	1	5	20.97	0.125	20.48	0.112	20.89	0.123
1.4	64QAM	3	0	20.13	0.103	19.93	0.098	19.86	0.097
1.4	64QAM	3	1	20.10	0.102	19.98	0.100	19.91	0.098
1.4	64QAM	3	3	19.96	0.099	19.92	0.098	20.35	0.108
1.4	64QAM	6	0	20.16	0.104	19.71	0.094	20.01	0.100



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20450		20525		20600	
Frequency (MHz)				829		836.5		844	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	19.46	0.088	19.75	0.094	19.56	0.090
10	QPSK	1	25	19.43	0.088	19.68	0.093	19.53	0.090
10	QPSK	1	49	19.31	0.085	19.58	0.091	19.42	0.087
10	QPSK	25	0	18.76	0.075	18.77	0.075	18.73	0.075
10	QPSK	25	12	18.68	0.074	18.73	0.075	18.71	0.074
10	QPSK	25	25	18.64	0.073	18.72	0.074	18.70	0.074
10	QPSK	50	0	18.72	0.074	18.74	0.075	18.68	0.074
10	16QAM	1	0	18.63	0.073	18.65	0.073	18.59	0.072
10	16QAM	1	25	18.59	0.072	18.60	0.072	18.54	0.071
10	16QAM	1	49	18.53	0.071	18.56	0.072	18.52	0.071
10	16QAM	25	0	18.49	0.071	18.52	0.071	18.49	0.071
10	16QAM	25	12	18.45	0.070	18.48	0.070	18.44	0.070
10	16QAM	25	25	18.42	0.070	18.43	0.070	18.40	0.069
10	16QAM	50	0	18.37	0.069	18.41	0.069	18.38	0.069
10	64QAM	1	0	18.34	0.068	18.39	0.069	18.35	0.068
10	64QAM	1	25	17.31	0.054	17.34	0.054	17.29	0.054
10	64QAM	1	49	17.24	0.053	17.28	0.053	17.26	0.053
10	64QAM	25	0	17.22	0.053	17.24	0.053	17.19	0.052
10	64QAM	25	12	17.11	0.051	17.13	0.052	17.12	0.052
10	64QAM	25	25	17.08	0.051	17.10	0.051	17.03	0.050
10	64QAM	50	0	16.99	0.050	17.02	0.050	16.98	0.050



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20425		20525		20625	
Frequency (MHz)				826.5		836.5		846.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	19.43	0.088	19.72	0.094	19.53	0.090
5	QPSK	1	12	19.40	0.087	19.65	0.092	19.50	0.089
5	QPSK	1	24	19.28	0.085	19.55	0.090	19.39	0.087
5	QPSK	12	0	18.73	0.075	18.74	0.075	18.70	0.074
5	QPSK	12	7	18.65	0.073	18.70	0.074	18.68	0.074
5	QPSK	12	13	18.61	0.073	18.69	0.074	18.67	0.074
5	QPSK	25	0	18.69	0.074	18.71	0.074	18.65	0.073
5	16QAM	1	0	18.60	0.072	18.62	0.073	18.56	0.072
5	16QAM	1	12	18.56	0.072	18.57	0.072	18.51	0.071
5	16QAM	1	24	18.50	0.071	18.53	0.071	18.49	0.071
5	16QAM	12	0	18.46	0.070	18.49	0.071	18.46	0.070
5	16QAM	12	7	18.42	0.070	18.45	0.070	18.41	0.069
5	16QAM	12	13	18.39	0.069	18.40	0.069	18.37	0.069
5	16QAM	25	0	18.34	0.068	18.38	0.069	18.35	0.068
5	64QAM	1	0	18.31	0.068	18.36	0.069	18.32	0.068
5	64QAM	1	12	17.28	0.053	17.31	0.054	17.26	0.053
5	64QAM	1	24	17.21	0.053	17.25	0.053	17.23	0.053
5	64QAM	12	0	17.19	0.052	17.21	0.053	17.16	0.052
5	64QAM	12	7	17.08	0.051	17.10	0.051	17.09	0.051
5	64QAM	12	13	17.05	0.051	17.07	0.051	17.00	0.050
5	64QAM	25	0	16.96	0.050	16.99	0.050	16.95	0.050



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20415		20525		20635	
Frequency (MHz)				825.5		836.5		847.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	19.40	0.087	19.69	0.093	19.50	0.089
3	QPSK	1	8	19.37	0.086	19.62	0.092	19.47	0.089
3	QPSK	1	14	19.25	0.084	19.52	0.090	19.36	0.086
3	QPSK	8	0	18.70	0.074	18.71	0.074	18.67	0.074
3	QPSK	8	4	18.62	0.073	18.67	0.074	18.65	0.073
3	QPSK	8	7	18.58	0.072	18.66	0.073	18.64	0.073
3	QPSK	15	0	18.66	0.073	18.68	0.074	18.62	0.073
3	16QAM	1	0	18.62	0.073	18.63	0.073	18.57	0.072
3	16QAM	1	8	18.56	0.072	18.59	0.072	18.55	0.072
3	16QAM	1	14	18.52	0.071	18.55	0.072	18.52	0.071
3	16QAM	8	0	18.48	0.070	18.51	0.071	18.47	0.070
3	16QAM	8	4	18.45	0.070	18.46	0.070	18.43	0.070
3	16QAM	8	7	18.40	0.069	18.44	0.070	18.41	0.069
3	16QAM	15	0	18.37	0.069	18.42	0.070	18.38	0.069
3	64QAM	1	0	18.31	0.068	18.34	0.068	18.32	0.068
3	64QAM	1	8	18.25	0.067	18.28	0.067	18.23	0.067
3	64QAM	1	14	18.18	0.066	18.22	0.066	18.20	0.066
3	64QAM	8	0	18.16	0.065	18.18	0.066	18.13	0.065
3	64QAM	8	4	18.05	0.064	18.07	0.064	18.06	0.064
3	64QAM	8	7	18.02	0.063	18.04	0.064	17.97	0.063
3	64QAM	15	0	17.93	0.062	17.96	0.063	17.92	0.062



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20407		20525		20643	
Frequency (MHz)				824.7		836.5		848.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	19.37	0.086	19.66	0.092	19.47	0.089
1.4	QPSK	1	3	19.34	0.086	19.59	0.091	19.44	0.088
1.4	QPSK	1	5	19.22	0.084	19.49	0.089	19.33	0.086
1.4	QPSK	3	0	18.67	0.074	18.68	0.074	18.64	0.073
1.4	QPSK	3	1	18.59	0.072	18.64	0.073	18.62	0.073
1.4	QPSK	3	3	18.55	0.072	18.63	0.073	18.61	0.073
1.4	QPSK	6	0	18.63	0.073	18.65	0.073	18.59	0.072
1.4	16QAM	1	0	18.54	0.071	18.56	0.072	18.50	0.071
1.4	16QAM	1	3	18.50	0.071	18.51	0.071	18.45	0.070
1.4	16QAM	1	5	18.44	0.070	18.47	0.070	18.43	0.070
1.4	16QAM	3	0	18.40	0.069	18.43	0.070	18.40	0.069
1.4	16QAM	3	1	18.36	0.069	18.39	0.069	18.35	0.068
1.4	16QAM	3	3	18.33	0.068	18.34	0.068	18.31	0.068
1.4	16QAM	6	0	18.28	0.067	18.32	0.068	18.29	0.067
1.4	64QAM	1	0	18.25	0.067	18.30	0.068	18.26	0.067
1.4	64QAM	1	3	17.22	0.053	17.25	0.053	17.20	0.052
1.4	64QAM	1	5	17.15	0.052	17.19	0.052	17.17	0.052
1.4	64QAM	3	0	17.13	0.052	17.15	0.052	17.10	0.051
1.4	64QAM	3	1	17.02	0.050	17.04	0.051	17.03	0.050
1.4	64QAM	3	3	16.99	0.050	17.01	0.050	16.94	0.049
1.4	64QAM	6	0	16.90	0.049	16.93	0.049	16.89	0.049



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	21.99	0.158	22.41	0.174	22.39	0.173
20	QPSK	1	49	21.93	0.156	22.20	0.166	22.26	0.168
20	QPSK	1	99	21.91	0.155	22.13	0.163	22.19	0.166
20	QPSK	50	0	21.42	0.139	21.51	0.142	21.34	0.136
20	QPSK	50	24	21.08	0.128	21.35	0.136	21.31	0.135
20	QPSK	50	50	21.07	0.128	21.24	0.133	21.23	0.133
20	QPSK	100	0	21.11	0.129	21.46	0.140	21.33	0.136
20	16QAM	1	0	21.93	0.156	22.29	0.169	21.98	0.158
20	16QAM	1	49	21.89	0.155	21.87	0.154	21.93	0.156
20	16QAM	1	99	21.84	0.153	21.86	0.153	21.88	0.154
20	16QAM	50	0	20.07	0.102	20.42	0.110	20.56	0.114
20	16QAM	50	24	20.28	0.107	20.39	0.109	20.52	0.113
20	16QAM	50	50	20.33	0.108	20.45	0.111	20.54	0.113
20	16QAM	100	0	20.24	0.106	20.74	0.119	20.50	0.112
20	64QAM	1	0	20.79	0.120	20.91	0.123	20.95	0.124
20	64QAM	1	49	20.66	0.116	20.61	0.115	20.76	0.119
20	64QAM	1	99	20.65	0.116	20.55	0.114	20.58	0.114
20	64QAM	50	0	19.34	0.086	19.72	0.094	19.29	0.085
20	64QAM	50	24	19.33	0.086	19.63	0.092	19.35	0.086
20	64QAM	50	50	19.22	0.084	19.52	0.090	19.33	0.086
20	64QAM	100	0	19.17	0.083	19.66	0.092	19.49	0.089



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	21.96	0.157	22.38	0.173	22.36	0.172
15	QPSK	1	37	21.90	0.155	22.17	0.165	22.23	0.167
15	QPSK	1	74	21.88	0.154	22.10	0.162	22.16	0.164
15	QPSK	36	0	21.39	0.138	21.48	0.141	21.31	0.135
15	QPSK	36	20	21.05	0.127	21.32	0.136	21.28	0.134
15	QPSK	36	39	21.04	0.127	21.21	0.132	21.20	0.132
15	QPSK	75	0	20.83	0.121	21.33	0.136	21.30	0.135
15	16QAM	1	0	21.90	0.155	22.26	0.168	21.95	0.157
15	16QAM	1	37	21.86	0.153	21.84	0.153	21.90	0.155
15	16QAM	1	74	21.81	0.152	21.83	0.152	21.85	0.153
15	16QAM	36	0	20.04	0.101	20.39	0.109	20.53	0.113
15	16QAM	36	20	20.25	0.106	20.36	0.109	20.49	0.112
15	16QAM	36	39	20.30	0.107	20.42	0.110	20.51	0.112
15	16QAM	75	0	20.21	0.105	20.71	0.118	20.47	0.111
15	64QAM	1	0	20.76	0.119	20.88	0.122	20.92	0.124
15	64QAM	1	37	20.63	0.116	20.58	0.114	20.73	0.118
15	64QAM	1	74	20.62	0.115	20.52	0.113	20.55	0.114
15	64QAM	36	0	19.31	0.085	19.69	0.093	19.26	0.084
15	64QAM	36	20	19.30	0.085	19.60	0.091	19.32	0.086
15	64QAM	36	39	19.19	0.083	19.49	0.089	19.30	0.085
15	64QAM	75	0	19.14	0.082	19.63	0.092	19.46	0.088



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	21.93	0.156	22.35	0.172	22.33	0.171
10	QPSK	1	25	21.87	0.154	22.14	0.164	22.20	0.166
10	QPSK	1	49	21.85	0.153	22.07	0.161	22.13	0.163
10	QPSK	25	0	21.36	0.137	21.45	0.140	21.28	0.134
10	QPSK	25	12	21.02	0.126	21.29	0.135	21.25	0.133
10	QPSK	25	25	21.01	0.126	21.18	0.131	21.17	0.131
10	QPSK	50	0	20.80	0.120	21.30	0.135	21.27	0.134
10	16QAM	1	0	21.87	0.154	22.23	0.167	21.92	0.156
10	16QAM	1	25	21.83	0.152	21.81	0.152	21.87	0.154
10	16QAM	1	49	21.78	0.151	21.80	0.151	21.82	0.152
10	16QAM	25	0	20.01	0.100	20.36	0.109	20.50	0.112
10	16QAM	25	12	20.22	0.105	20.33	0.108	20.46	0.111
10	16QAM	25	25	20.27	0.106	20.39	0.109	20.48	0.112
10	16QAM	50	0	20.18	0.104	20.68	0.117	20.44	0.111
10	64QAM	1	0	20.73	0.118	20.85	0.122	20.89	0.123
10	64QAM	1	25	20.60	0.115	20.55	0.114	20.70	0.117
10	64QAM	1	49	20.59	0.115	20.49	0.112	20.52	0.113
10	64QAM	25	0	19.28	0.085	19.66	0.092	19.23	0.084
10	64QAM	25	12	19.27	0.085	19.57	0.091	19.29	0.085
10	64QAM	25	25	19.16	0.082	19.46	0.088	19.27	0.085
10	64QAM	50	0	19.11	0.081	19.60	0.091	19.43	0.088



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	21.90	0.155	22.32	0.171	22.30	0.170
5	QPSK	1	12	21.84	0.153	22.11	0.163	22.17	0.165
5	QPSK	1	24	21.82	0.152	22.04	0.160	22.10	0.162
5	QPSK	12	0	21.33	0.136	21.42	0.139	21.25	0.133
5	QPSK	12	7	20.99	0.126	21.26	0.134	21.22	0.132
5	QPSK	12	13	20.98	0.125	21.15	0.130	21.14	0.130
5	QPSK	25	0	20.77	0.119	21.27	0.134	21.24	0.133
5	16QAM	1	0	21.84	0.153	22.20	0.166	21.89	0.155
5	16QAM	1	12	21.80	0.151	21.78	0.151	21.84	0.153
5	16QAM	1	24	21.75	0.150	21.77	0.150	21.79	0.151
5	16QAM	12	0	19.98	0.100	20.33	0.108	20.47	0.111
5	16QAM	12	7	20.19	0.104	20.30	0.107	20.43	0.110
5	16QAM	12	13	20.24	0.106	20.36	0.109	20.45	0.111
5	16QAM	25	0	20.15	0.104	20.65	0.116	20.41	0.110
5	64QAM	1	0	20.70	0.117	20.82	0.121	20.86	0.122
5	64QAM	1	12	20.57	0.114	20.52	0.113	20.67	0.117
5	64QAM	1	24	20.56	0.114	20.46	0.111	20.49	0.112
5	64QAM	12	0	19.25	0.084	19.63	0.092	19.20	0.083
5	64QAM	12	7	19.24	0.084	19.54	0.090	19.26	0.084
5	64QAM	12	13	19.13	0.082	19.43	0.088	19.24	0.084
5	64QAM	25	0	19.08	0.081	19.57	0.091	19.40	0.087



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	18.67	0.074	18.84	0.077	18.83	0.076
10	QPSK	1	25	18.51	0.071	18.74	0.075	18.75	0.075
10	QPSK	1	49	18.34	0.068	18.61	0.073	18.48	0.070
10	QPSK	25	0	17.95	0.062	17.98	0.063	17.96	0.063
10	QPSK	25	12	17.63	0.058	17.77	0.060	17.75	0.060
10	QPSK	25	25	17.69	0.059	18.05	0.064	18.08	0.064
10	QPSK	50	0	17.65	0.058	17.72	0.059	17.66	0.058
10	16QAM	1	0	18.27	0.067	18.30	0.068	18.02	0.063
10	16QAM	1	25	18.07	0.064	18.29	0.067	17.85	0.061
10	16QAM	1	49	17.88	0.061	17.80	0.060	17.81	0.060
10	16QAM	25	0	17.08	0.051	17.11	0.051	16.98	0.050
10	16QAM	25	12	16.86	0.049	17.31	0.054	17.18	0.052
10	16QAM	25	25	17.06	0.051	17.26	0.053	17.33	0.054
10	16QAM	50	0	16.96	0.050	17.00	0.050	17.17	0.052
10	64QAM	1	0	17.04	0.051	17.34	0.054	17.22	0.053
10	64QAM	1	25	16.96	0.050	16.97	0.050	17.33	0.054
10	64QAM	1	49	16.88	0.049	16.91	0.049	17.25	0.053
10	64QAM	25	0	14.58	0.029	14.97	0.031	14.62	0.029
10	64QAM	25	12	14.56	0.029	14.89	0.031	14.92	0.031
10	64QAM	25	25	14.50	0.028	14.75	0.030	14.54	0.028
10	64QAM	50	0	14.27	0.027	14.74	0.030	14.52	0.028



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	18.62	0.073	18.79	0.076	18.78	0.076
5	QPSK	1	12	18.46	0.070	18.69	0.074	18.70	0.074
5	QPSK	1	24	18.29	0.067	18.56	0.072	18.43	0.070
5	QPSK	12	0	17.90	0.062	17.93	0.062	17.91	0.062
5	QPSK	12	7	17.58	0.057	17.72	0.059	17.70	0.059
5	QPSK	12	13	17.64	0.058	18.00	0.063	18.03	0.064
5	QPSK	25	0	17.60	0.058	17.67	0.058	17.61	0.058
5	16QAM	1	0	18.22	0.066	18.25	0.067	17.97	0.063
5	16QAM	1	12	18.02	0.063	18.24	0.067	17.80	0.060
5	16QAM	1	24	17.83	0.061	17.75	0.060	17.76	0.060
5	16QAM	12	0	17.03	0.050	17.06	0.051	16.93	0.049
5	16QAM	12	7	16.81	0.048	17.26	0.053	17.13	0.052
5	16QAM	12	13	17.01	0.050	17.21	0.053	17.28	0.053
5	16QAM	25	0	16.91	0.049	16.95	0.050	17.12	0.052
5	64QAM	1	0	16.99	0.050	17.29	0.054	17.17	0.052
5	64QAM	1	12	16.91	0.049	16.92	0.049	17.28	0.053
5	64QAM	1	24	16.83	0.048	16.86	0.049	17.20	0.052
5	64QAM	12	0	14.53	0.028	14.92	0.031	14.57	0.029
5	64QAM	12	7	14.51	0.028	14.84	0.030	14.87	0.031
5	64QAM	12	13	14.45	0.028	14.70	0.030	14.49	0.028
5	64QAM	25	0	14.22	0.026	14.69	0.029	14.47	0.028



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	18.57	0.072	18.74	0.075	18.73	0.075
3	QPSK	1	8	18.41	0.069	18.64	0.073	18.65	0.073
3	QPSK	1	14	18.24	0.067	18.51	0.071	18.38	0.069
3	QPSK	8	0	17.85	0.061	17.88	0.061	17.86	0.061
3	QPSK	8	4	17.53	0.057	17.67	0.058	17.65	0.058
3	QPSK	8	7	17.59	0.057	17.95	0.062	17.98	0.063
3	QPSK	15	0	17.55	0.057	17.62	0.058	17.56	0.057
3	16QAM	1	0	18.17	0.066	18.20	0.066	17.92	0.062
3	16QAM	1	8	17.97	0.063	18.19	0.066	17.75	0.060
3	16QAM	1	14	17.78	0.060	17.70	0.059	17.71	0.059
3	16QAM	8	0	16.98	0.050	17.01	0.050	16.88	0.049
3	16QAM	8	4	16.76	0.047	17.21	0.053	17.08	0.051
3	16QAM	8	7	16.96	0.050	17.16	0.052	17.23	0.053
3	16QAM	15	0	16.86	0.049	16.90	0.049	17.07	0.051
3	64QAM	1	0	16.94	0.049	17.24	0.053	17.12	0.052
3	64QAM	1	8	16.86	0.049	16.87	0.049	17.23	0.053
3	64QAM	1	14	16.78	0.048	16.81	0.048	17.15	0.052
3	64QAM	8	0	14.48	0.028	14.87	0.031	14.52	0.028
3	64QAM	8	4	14.46	0.028	14.79	0.030	14.82	0.030
3	64QAM	8	7	14.40	0.028	14.65	0.029	14.44	0.028
3	64QAM	15	0	14.17	0.026	14.64	0.029	14.42	0.028



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	18.52	0.071	18.69	0.074	18.68	0.074
1.4	QPSK	1	3	18.36	0.069	18.59	0.072	18.60	0.072
1.4	QPSK	1	5	18.19	0.066	18.46	0.070	18.33	0.068
1.4	QPSK	3	0	17.80	0.060	17.83	0.061	17.81	0.060
1.4	QPSK	3	1	17.48	0.056	17.62	0.058	17.60	0.058
1.4	QPSK	3	3	17.54	0.057	17.90	0.062	17.93	0.062
1.4	QPSK	6	0	17.50	0.056	17.57	0.057	17.51	0.056
1.4	16QAM	1	0	18.12	0.065	18.15	0.065	17.87	0.061
1.4	16QAM	1	3	17.92	0.062	18.14	0.065	17.70	0.059
1.4	16QAM	1	5	17.73	0.059	17.65	0.058	17.66	0.058
1.4	16QAM	3	0	16.93	0.049	16.96	0.050	16.83	0.048
1.4	16QAM	3	1	16.71	0.047	17.16	0.052	17.03	0.050
1.4	16QAM	3	3	16.91	0.049	17.11	0.051	17.18	0.052
1.4	16QAM	6	0	16.81	0.048	16.85	0.048	17.02	0.050
1.4	64QAM	1	0	16.89	0.049	17.19	0.052	17.07	0.051
1.4	64QAM	1	3	16.81	0.048	16.82	0.048	17.18	0.052
1.4	64QAM	1	5	16.73	0.047	16.76	0.047	17.10	0.051
1.4	64QAM	3	0	14.43	0.028	14.82	0.030	14.47	0.028
1.4	64QAM	3	1	14.41	0.028	14.74	0.030	14.77	0.030
1.4	64QAM	3	3	14.35	0.027	14.60	0.029	14.39	0.027
1.4	64QAM	6	0	14.12	0.026	14.59	0.029	14.37	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				23780		23790		23800	
Frequency (MHz)				709		710		711	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	18.81	0.076	19.00	0.079	18.73	0.075
10	QPSK	1	25	18.78	0.076	18.89	0.077	18.64	0.073
10	QPSK	1	49	18.80	0.076	18.81	0.076	18.58	0.072
10	QPSK	25	0	17.95	0.062	17.98	0.063	17.96	0.063
10	QPSK	25	12	17.81	0.060	17.81	0.060	17.87	0.061
10	QPSK	25	25	17.65	0.058	17.83	0.061	17.83	0.061
10	QPSK	50	0	18.15	0.065	18.17	0.066	18.12	0.065
10	16QAM	1	0	18.20	0.066	18.28	0.067	18.24	0.067
10	16QAM	1	25	18.11	0.065	18.18	0.066	18.18	0.066
10	16QAM	1	49	18.08	0.064	18.14	0.065	18.16	0.065
10	16QAM	25	0	17.08	0.051	17.20	0.052	17.14	0.052
10	16QAM	25	12	16.90	0.049	17.00	0.050	17.11	0.051
10	16QAM	25	25	17.11	0.051	17.04	0.051	17.08	0.051
10	16QAM	50	0	16.80	0.048	17.01	0.050	17.06	0.051
10	64QAM	1	0	17.18	0.052	17.22	0.053	17.17	0.052
10	64QAM	1	25	17.07	0.051	17.12	0.052	16.99	0.050
10	64QAM	1	49	16.93	0.049	17.15	0.052	16.76	0.047
10	64QAM	25	0	14.90	0.031	15.06	0.032	15.04	0.032
10	64QAM	25	12	14.70	0.030	15.08	0.032	15.01	0.032
10	64QAM	25	25	14.58	0.029	14.60	0.029	14.59	0.029
10	64QAM	50	0	14.44	0.028	14.51	0.028	14.34	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	18.77	0.075	18.96	0.079	18.69	0.074
5	QPSK	1	12	18.74	0.075	18.85	0.077	18.60	0.072
5	QPSK	1	24	18.76	0.075	18.77	0.075	18.54	0.071
5	QPSK	12	0	17.91	0.062	17.94	0.062	17.92	0.062
5	QPSK	12	7	17.77	0.060	17.77	0.060	17.83	0.061
5	QPSK	12	13	17.61	0.058	17.79	0.060	17.79	0.060
5	QPSK	25	0	18.11	0.065	18.13	0.065	18.08	0.064
5	16QAM	1	0	18.16	0.065	18.24	0.067	18.20	0.066
5	16QAM	1	12	18.07	0.064	18.14	0.065	18.14	0.065
5	16QAM	1	24	18.04	0.064	18.10	0.065	18.12	0.065
5	16QAM	12	0	17.04	0.051	17.16	0.052	17.10	0.051
5	16QAM	12	7	16.86	0.049	16.96	0.050	17.07	0.051
5	16QAM	12	13	17.07	0.051	17.00	0.050	17.04	0.051
5	16QAM	25	0	16.76	0.047	16.97	0.050	17.02	0.050
5	64QAM	1	0	17.14	0.052	17.18	0.052	17.13	0.052
5	64QAM	1	12	17.03	0.050	17.08	0.051	16.95	0.050
5	64QAM	1	24	16.89	0.049	17.11	0.051	16.72	0.047
5	64QAM	12	0	14.86	0.031	15.02	0.032	15.00	0.032
5	64QAM	12	7	14.66	0.029	15.04	0.032	14.97	0.031
5	64QAM	12	13	14.54	0.028	14.56	0.029	14.55	0.029
5	64QAM	25	0	14.40	0.028	14.47	0.028	14.30	0.027



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	22.61	0.182	22.65	0.184	22.64	0.184
20	QPSK	1	49	22.47	0.177	22.42	0.175	22.55	0.180
20	QPSK	1	99	22.54	0.179	22.46	0.176	22.59	0.182
20	QPSK	50	0	21.54	0.143	21.77	0.150	21.55	0.143
20	QPSK	50	24	21.58	0.144	21.69	0.148	21.63	0.146
20	QPSK	50	50	21.63	0.146	21.56	0.143	21.52	0.142
20	QPSK	100	0	21.55	0.143	21.69	0.148	21.53	0.142
20	16QAM	1	0	21.79	0.151	22.09	0.162	21.82	0.152
20	16QAM	1	49	22.04	0.160	22.11	0.163	21.89	0.155
20	16QAM	1	99	21.99	0.158	22.09	0.162	21.81	0.152
20	16QAM	50	0	20.82	0.121	20.89	0.123	20.71	0.118
20	16QAM	50	24	20.86	0.122	20.81	0.121	20.75	0.119
20	16QAM	50	50	20.79	0.120	20.79	0.120	20.75	0.119
20	16QAM	100	0	20.82	0.121	20.71	0.118	20.83	0.121
20	64QAM	1	0	20.90	0.123	20.93	0.124	20.94	0.124
20	64QAM	1	49	20.98	0.125	21.02	0.126	21.01	0.126
20	64QAM	1	99	20.94	0.124	20.99	0.126	21.02	0.126
20	64QAM	50	0	20.37	0.109	19.89	0.097	20.29	0.107
20	64QAM	50	24	20.25	0.106	20.01	0.100	20.12	0.103
20	64QAM	50	50	20.37	0.109	20.26	0.106	20.13	0.103
20	64QAM	100	0	20.42	0.110	19.94	0.099	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				132047		132322		132597	
Frequency (MHz)				1717.5		1745		1772.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	22.58	0.181	22.62	0.183	22.61	0.182
15	QPSK	1	37	22.44	0.175	22.39	0.173	22.52	0.179
15	QPSK	1	74	22.51	0.178	22.43	0.175	22.56	0.180
15	QPSK	36	0	21.51	0.142	21.74	0.149	21.52	0.142
15	QPSK	36	20	21.55	0.143	21.66	0.147	21.60	0.145
15	QPSK	36	39	21.60	0.145	21.53	0.142	21.49	0.141
15	QPSK	75	0	21.52	0.142	21.66	0.147	21.50	0.141
15	16QAM	1	0	21.76	0.150	22.06	0.161	21.79	0.151
15	16QAM	1	37	22.01	0.159	22.08	0.161	21.86	0.153
15	16QAM	1	74	21.96	0.157	22.06	0.161	21.78	0.151
15	16QAM	36	0	20.79	0.120	20.86	0.122	20.68	0.117
15	16QAM	36	20	20.83	0.121	20.78	0.120	20.72	0.118
15	16QAM	36	39	20.76	0.119	20.76	0.119	20.72	0.118
15	16QAM	75	0	20.79	0.120	20.68	0.117	20.80	0.120
15	64QAM	1	0	20.87	0.122	20.90	0.123	20.91	0.123
15	64QAM	1	37	20.95	0.124	20.99	0.126	20.98	0.125
15	64QAM	1	74	20.91	0.123	20.96	0.125	20.99	0.126
15	64QAM	36	0	20.34	0.108	19.86	0.097	20.26	0.106
15	64QAM	36	20	20.22	0.105	19.98	0.100	20.09	0.102
15	64QAM	36	39	20.34	0.108	20.23	0.105	20.10	0.102
15	64QAM	75	0	20.39	0.109	19.91	0.098	19.90	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				132022		132322		132622	
Frequency (MHz)				1715		1745		1775	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	22.55	0.180	22.59	0.182	22.58	0.181
10	QPSK	1	25	22.41	0.174	22.36	0.172	22.49	0.177
10	QPSK	1	49	22.48	0.177	22.40	0.174	22.53	0.179
10	QPSK	25	0	21.48	0.141	21.71	0.148	21.49	0.141
10	QPSK	25	12	21.52	0.142	21.63	0.146	21.57	0.144
10	QPSK	25	25	21.57	0.144	21.50	0.141	21.46	0.140
10	QPSK	50	0	21.49	0.141	21.63	0.146	21.47	0.140
10	16QAM	1	0	21.73	0.149	22.03	0.160	21.76	0.150
10	16QAM	1	25	21.98	0.158	22.05	0.160	21.83	0.152
10	16QAM	1	49	21.93	0.156	22.03	0.160	21.75	0.150
10	16QAM	25	0	20.76	0.119	20.83	0.121	20.65	0.116
10	16QAM	25	12	20.80	0.120	20.75	0.119	20.69	0.117
10	16QAM	25	25	20.73	0.118	20.73	0.118	20.69	0.117
10	16QAM	50	0	20.76	0.119	20.65	0.116	20.77	0.119
10	64QAM	1	0	20.84	0.121	20.87	0.122	20.88	0.122
10	64QAM	1	25	20.92	0.124	20.96	0.125	20.95	0.124
10	64QAM	1	49	20.88	0.122	20.93	0.124	20.96	0.125
10	64QAM	25	0	20.31	0.107	19.83	0.096	20.23	0.105
10	64QAM	25	12	20.19	0.104	19.95	0.099	20.06	0.101
10	64QAM	25	25	20.31	0.107	20.20	0.105	20.07	0.102
10	64QAM	50	0	20.36	0.109	19.88	0.097	19.87	0.097



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	22.52	0.179	22.56	0.180	22.55	0.180
5	QPSK	1	12	22.38	0.173	22.33	0.171	22.46	0.176
5	QPSK	1	24	22.45	0.176	22.37	0.173	22.50	0.178
5	QPSK	12	0	21.45	0.140	21.68	0.147	21.46	0.140
5	QPSK	12	7	21.49	0.141	21.60	0.145	21.54	0.143
5	QPSK	12	13	21.54	0.143	21.47	0.140	21.43	0.139
5	QPSK	25	0	21.46	0.140	21.60	0.145	21.44	0.139
5	16QAM	1	0	21.70	0.148	22.00	0.158	21.73	0.149
5	16QAM	1	12	21.95	0.157	22.02	0.159	21.80	0.151
5	16QAM	1	24	21.90	0.155	22.00	0.158	21.72	0.149
5	16QAM	12	0	20.73	0.118	20.80	0.120	20.62	0.115
5	16QAM	12	7	20.77	0.119	20.72	0.118	20.66	0.116
5	16QAM	12	13	20.70	0.117	20.70	0.117	20.66	0.116
5	16QAM	25	0	20.73	0.118	20.62	0.115	20.74	0.119
5	64QAM	1	0	20.81	0.121	20.84	0.121	20.85	0.122
5	64QAM	1	12	20.89	0.123	20.93	0.124	20.92	0.124
5	64QAM	1	24	20.85	0.122	20.90	0.123	20.93	0.124
5	64QAM	12	0	20.28	0.107	19.80	0.095	20.20	0.105
5	64QAM	12	7	20.16	0.104	19.92	0.098	20.03	0.101
5	64QAM	12	13	20.28	0.107	20.17	0.104	20.04	0.101
5	64QAM	25	0	20.33	0.108	19.85	0.097	19.84	0.096



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	22.47	0.177	22.50	0.178	22.50	0.178
3	QPSK	1	8	22.33	0.171	22.41	0.174	22.41	0.174
3	QPSK	1	14	22.40	0.174	22.45	0.176	22.45	0.176
3	QPSK	8	0	21.40	0.138	21.41	0.138	21.41	0.138
3	QPSK	8	4	21.44	0.139	21.49	0.141	21.49	0.141
3	QPSK	8	7	21.49	0.141	21.38	0.137	21.38	0.137
3	QPSK	15	0	21.41	0.138	21.39	0.138	21.39	0.138
3	16QAM	1	0	21.65	0.146	21.68	0.147	21.68	0.147
3	16QAM	1	8	21.90	0.155	21.75	0.150	21.75	0.150
3	16QAM	1	14	21.85	0.153	21.67	0.147	21.67	0.147
3	16QAM	8	0	20.68	0.117	20.57	0.114	20.57	0.114
3	16QAM	8	4	20.72	0.118	20.61	0.115	20.61	0.115
3	16QAM	8	7	20.65	0.116	20.61	0.115	20.61	0.115
3	16QAM	15	0	20.68	0.117	20.69	0.117	20.69	0.117
3	64QAM	1	0	20.78	0.120	20.82	0.121	20.82	0.121
3	64QAM	1	8	20.86	0.122	20.89	0.123	20.89	0.123
3	64QAM	1	14	20.82	0.121	20.90	0.123	20.90	0.123
3	64QAM	8	0	20.25	0.106	20.17	0.104	20.17	0.104
3	64QAM	8	4	20.13	0.103	20.00	0.100	20.00	0.100
3	64QAM	8	7	20.25	0.106	20.01	0.100	20.01	0.100
3	64QAM	15	0	20.30	0.107	19.81	0.096	19.81	0.096



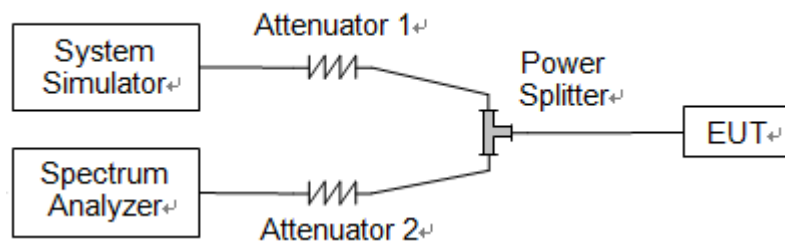
LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131979		132322		132665	
Frequency (MHz)				1710.7		1745		1779.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	22.45	0.176	22.49	0.177	22.48	0.177
1.4	QPSK	1	3	22.31	0.170	22.26	0.168	22.39	0.173
1.4	QPSK	1	5	22.38	0.173	22.30	0.170	22.43	0.175
1.4	QPSK	3	0	21.38	0.137	21.61	0.145	21.39	0.138
1.4	QPSK	3	1	21.42	0.139	21.53	0.142	21.47	0.140
1.4	QPSK	3	3	21.47	0.140	21.40	0.138	21.36	0.137
1.4	QPSK	6	0	21.39	0.138	21.53	0.142	21.37	0.137
1.4	16QAM	1	0	21.63	0.146	21.93	0.156	21.66	0.147
1.4	16QAM	1	3	21.88	0.154	21.95	0.157	21.73	0.149
1.4	16QAM	1	5	21.83	0.152	21.93	0.156	21.65	0.146
1.4	16QAM	3	0	20.66	0.116	20.73	0.118	20.55	0.114
1.4	16QAM	3	1	20.70	0.117	20.65	0.116	20.59	0.115
1.4	16QAM	3	3	20.63	0.116	20.63	0.116	20.59	0.115
1.4	16QAM	6	0	20.66	0.116	20.55	0.114	20.67	0.117
1.4	64QAM	1	0	20.75	0.119	20.78	0.120	20.79	0.120
1.4	64QAM	1	3	20.83	0.121	20.87	0.122	20.86	0.122
1.4	64QAM	1	5	20.79	0.120	20.84	0.121	20.87	0.122
1.4	64QAM	3	0	20.22	0.105	19.74	0.094	20.14	0.103
1.4	64QAM	3	1	20.10	0.102	19.86	0.097	19.97	0.099
1.4	64QAM	3	3	20.22	0.105	20.11	0.103	19.98	0.100
1.4	64QAM	6	0	20.27	0.106	19.79	0.095	19.78	0.095

2.2. Occupied Bandwidth

2.2.1. Requirement

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

2.2.2. Test Description



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

2.2.3. Test Procedure

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

2.2.4. Test Result



LTE Band 2				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.24
	Low	16QAM	1.10	1.25
	Low	64QAM	1.10	1.24
	Mid	QPSK	1.09	1.25
	Mid	16QAM	1.10	1.26
	Mid	64QAM	1.10	1.25
	High	QPSK	1.10	1.25
	High	16QAM	1.10	1.25
	High	64QAM	1.10	1.25
3	Low	QPSK	2.72	3.04
	Low	16QAM	2.71	3.07
	Low	64QAM	2.72	3.06
	Mid	QPSK	2.72	3.05
	Mid	16QAM	2.72	3.06
	Mid	64QAM	2.72	3.06
	High	QPSK	2.72	3.04
	High	16QAM	2.71	3.04
	High	64QAM	2.72	3.06
5	Low	QPSK	4.50	4.98
	Low	16QAM	4.50	4.96
	Low	64QAM	4.50	4.97
	Mid	QPSK	4.50	4.95
	Mid	16QAM	4.51	4.99
	Mid	64QAM	4.49	4.95
	High	QPSK	4.50	4.97
	High	16QAM	4.50	4.98
	High	64QAM	4.50	4.96
10	Low	QPSK	9.01	9.9
	Low	16QAM	8.97	9.79
	Low	64QAM	8.98	9.84
	Mid	QPSK	9.02	9.91
	Mid	16QAM	8.99	9.87
	Mid	64QAM	9.00	9.84
	High	QPSK	9.03	9.87
	High	16QAM	8.97	9.87
	High	64QAM	9.00	9.88



15	Low	QPSK	13.48	14.94
	Low	16QAM	13.45	14.87
	Low	64QAM	13.46	14.98
	Mid	QPSK	13.51	14.94
	Mid	16QAM	13.51	15.05
	Mid	64QAM	13.51	15.01
	High	QPSK	13.49	14.76
	High	16QAM	13.46	14.86
	High	64QAM	13.46	14.89
20	Low	QPSK	17.94	19.6
	Low	16QAM	17.97	19.81
	Low	64QAM	17.94	19.7
	Mid	QPSK	18.06	19.82
	Mid	16QAM	18.06	19.83
	Mid	64QAM	18.06	19.8
	High	QPSK	17.91	19.73
	High	16QAM	17.95	19.68
	High	64QAM	17.91	19.63



LTE Band 4				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.24
	Low	16QAM	1.10	1.26
	Low	64QAM	1.10	1.25
	Mid	QPSK	1.10	1.25
	Mid	16QAM	1.10	1.24
	Mid	64QAM	1.10	1.25
	High	QPSK	1.09	1.24
	High	16QAM	1.10	1.25
	High	64QAM	1.10	1.25
3	Low	QPSK	2.71	3.05
	Low	16QAM	2.71	3.05
	Low	64QAM	2.72	3.07
	Mid	QPSK	2.72	3.04
	Mid	16QAM	2.71	3.05
	Mid	64QAM	2.72	3.07
	High	QPSK	2.71	3.05
	High	16QAM	2.72	3.05
	High	64QAM	2.72	3.05
5	Low	QPSK	4.49	4.97
	Low	16QAM	4.50	4.97
	Low	64QAM	4.50	4.97
	Mid	QPSK	4.50	4.98
	Mid	16QAM	4.50	4.98
	Mid	64QAM	4.49	4.98
	High	QPSK	4.49	4.97
	High	16QAM	4.51	4.99
	High	64QAM	4.49	4.96
10	Low	QPSK	9.03	9.85
	Low	16QAM	8.97	9.86
	Low	64QAM	8.99	9.9
	Mid	QPSK	9.01	9.95
	Mid	16QAM	8.99	9.83
	Mid	64QAM	8.99	9.89
	High	QPSK	9.02	9.95
	High	16QAM	8.97	9.83
	High	64QAM	8.99	9.83



15	Low	QPSK	13.48	14.88
	Low	16QAM	13.49	14.92
	Low	64QAM	13.49	14.87
	Mid	QPSK	13.49	14.95
	Mid	16QAM	13.48	14.89
	Mid	64QAM	13.49	14.94
	High	QPSK	13.46	14.87
	High	16QAM	13.48	14.95
	High	64QAM	13.48	14.99
20	Low	QPSK	18.00	19.85
	Low	16QAM	18.01	19.84
	Low	64QAM	18.00	19.82
	Mid	QPSK	17.99	19.87
	Mid	16QAM	18.02	19.85
	Mid	64QAM	18.03	19.74
	High	QPSK	18.00	19.80
	High	16QAM	18.03	19.73
	High	64QAM	17.99	19.74



LTE Band 5				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.24
	Low	16QAM	1.10	1.25
	Low	64QAM	1.10	1.25
	Mid	QPSK	1.10	1.24
	Mid	16QAM	1.10	1.25
	Mid	64QAM	1.10	1.25
	High	QPSK	1.09	1.25
	High	16QAM	1.10	1.25
	High	64QAM	1.10	1.24
3	Low	QPSK	2.71	3.05
	Low	16QAM	2.71	3.05
	Low	64QAM	2.72	3.05
	Mid	QPSK	2.71	3.05
	Mid	16QAM	2.72	3.06
	Mid	64QAM	2.72	3.05
	High	QPSK	2.72	3.04
	High	16QAM	2.71	3.06
	High	64QAM	2.72	3.07
5	Low	QPSK	4.49	4.96
	Low	16QAM	4.50	4.99
	Low	64QAM	4.50	4.96
	Mid	QPSK	4.50	5.00
	Mid	16QAM	4.50	4.99
	Mid	64QAM	4.49	4.97
	High	QPSK	4.50	4.97
	High	16QAM	4.50	4.98
	High	64QAM	4.49	4.96
10	Low	QPSK	9.02	9.87
	Low	16QAM	8.97	9.85
	Low	64QAM	8.99	9.88
	Mid	QPSK	9.00	9.87
	Mid	16QAM	8.97	9.84
	Mid	64QAM	9.00	9.83
	High	QPSK	9.03	9.92
	High	16QAM	8.98	9.82
	High	64QAM	8.98	9.87



LTE Band 7				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.52	4.93
	Low	16QAM	4.50	4.99
	Low	64QAM	4.50	4.96
	Mid	QPSK	4.50	4.97
	Mid	16QAM	4.50	4.97
	Mid	64QAM	4.49	4.96
	High	QPSK	4.50	4.96
	High	16QAM	4.50	4.97
	High	64QAM	4.50	4.96
10	Low	QPSK	8.99	9.84
	Low	16QAM	8.98	9.80
	Low	64QAM	8.99	9.82
	Mid	QPSK	9.02	9.94
	Mid	16QAM	8.98	9.84
	Mid	64QAM	8.99	9.93
	High	QPSK	9.01	9.96
	High	16QAM	8.97	9.88
	High	64QAM	9.0	9.88
15	Low	QPSK	13.48	14.83
	Low	16QAM	13.48	14.90
	Low	64QAM	13.46	14.86
	Mid	QPSK	13.5	14.89
	Mid	16QAM	13.51	15.03
	Mid	64QAM	13.51	14.94
	High	QPSK	13.54	14.90
	High	16QAM	13.51	14.88
	High	64QAM	13.50	14.92
20	Low	QPSK	17.90	19.60
	Low	16QAM	17.93	19.54
	Low	64QAM	17.94	19.60
	Mid	QPSK	18.04	19.82
	Mid	16QAM	18.05	19.73
	Mid	64QAM	18.06	19.78
	High	QPSK	18.02	19.59
	High	16QAM	18.04	19.68
	High	64QAM	18.02	19.74



LTE Band 12				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.24
	Low	16QAM	1.10	1.25
	Low	64QAM	1.10	1.25
	Mid	QPSK	1.10	1.25
	Mid	16QAM	1.10	1.25
	Mid	64QAM	1.10	1.25
	High	QPSK	1.10	1.24
	High	16QAM	1.10	1.24
	High	64QAM	1.10	1.26
3	Low	QPSK	2.71	3.04
	Low	16QAM	2.71	3.05
	Low	64QAM	2.71	3.04
	Mid	QPSK	2.71	3.04
	Mid	16QAM	2.71	3.06
	Mid	64QAM	2.72	3.06
	High	QPSK	2.71	3.02
	High	16QAM	2.72	3.07
	High	64QAM	2.72	3.06
5	Low	QPSK	4.50	4.98
	Low	16QAM	4.50	4.99
	Low	64QAM	4.50	4.96
	Mid	QPSK	4.49	4.95
	Mid	16QAM	4.50	4.98
	Mid	64QAM	4.49	4.96
	High	QPSK	4.52	5.00
	High	16QAM	4.52	5.02
	High	64QAM	4.51	4.95
10	Low	QPSK	9.04	9.82
	Low	16QAM	9.03	9.85
	Low	64QAM	9.05	9.94
	Mid	QPSK	8.96	9.75
	Mid	16QAM	8.93	9.80
	Mid	64QAM	8.94	9.79
	High	QPSK	8.98	9.85
	High	16QAM	8.94	9.83
	High	64QAM	8.94	9.87



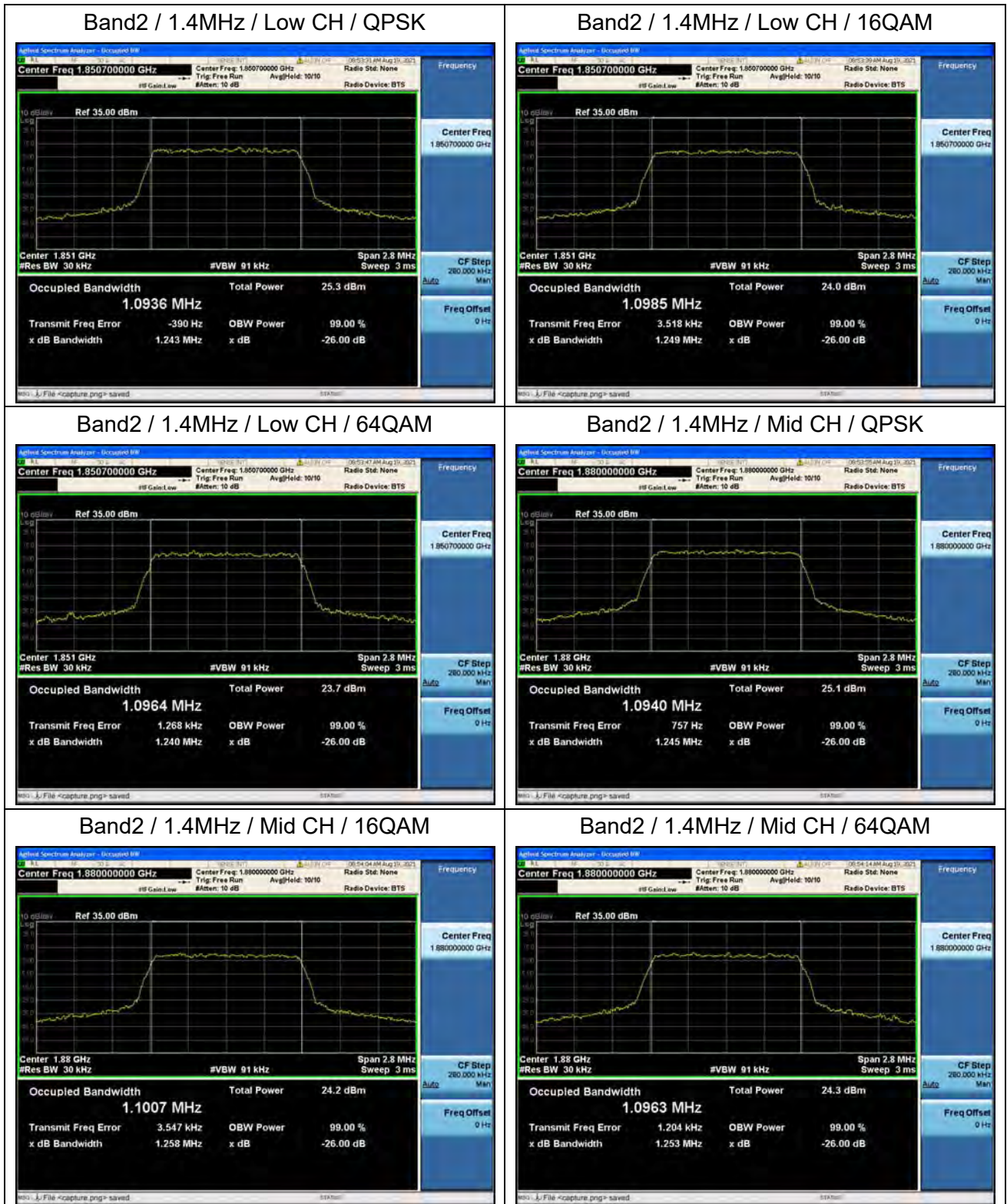
LTE Band 17				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.50	4.95
	Low	16QAM	4.50	5.01
	Low	64QAM	4.49	4.93
	Mid	QPSK	4.48	4.95
	Mid	16QAM	4.48	4.98
	Mid	64QAM	4.48	4.93
	High	QPSK	4.52	4.98
	High	16QAM	4.51	4.97
	High	64QAM	4.51	4.96
10	Low	QPSK	8.96	9.78
	Low	16QAM	8.91	9.77
	Low	64QAM	8.92	9.75
	Mid	QPSK	8.94	9.71
	Mid	16QAM	8.91	9.79
	Mid	64QAM	8.93	9.80
	High	QPSK	8.96	9.86
	High	16QAM	8.94	9.84
	High	64QAM	8.95	9.84



LTE Band 66				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.25
	Low	16QAM	1.10	1.25
	Low	64QAM	1.09	1.24
	Mid	QPSK	1.10	1.25
	Mid	16QAM	1.10	1.24
	Mid	64QAM	1.10	1.25
	High	QPSK	1.10	1.25
	High	16QAM	1.10	1.25
	High	64QAM	1.09	1.24
3	Low	QPSK	2.71	3.05
	Low	16QAM	2.71	3.03
	Low	64QAM	2.72	3.05
	Mid	QPSK	2.72	3.05
	Mid	16QAM	2.72	3.05
	Mid	64QAM	2.71	3.06
	High	QPSK	2.71	3.04
	High	16QAM	2.72	3.05
	High	64QAM	2.71	3.07
5	Low	QPSK	4.50	4.99
	Low	16QAM	4.50	4.95
	Low	64QAM	4.49	4.98
	Mid	QPSK	4.49	5.00
	Mid	16QAM	4.49	4.97
	Mid	64QAM	4.50	4.97
	High	QPSK	4.49	4.94
	High	16QAM	4.50	4.96
	High	64QAM	4.50	4.97
10	Low	QPSK	9.02	9.85
	Low	16QAM	8.99	9.89
	Low	64QAM	9.03	9.82
	Mid	QPSK	9.03	9.94
	Mid	16QAM	9.01	9.81
	Mid	64QAM	9.00	9.82
	High	QPSK	9.02	9.92
	High	16QAM	9.00	9.90
	High	64QAM	9.00	9.81

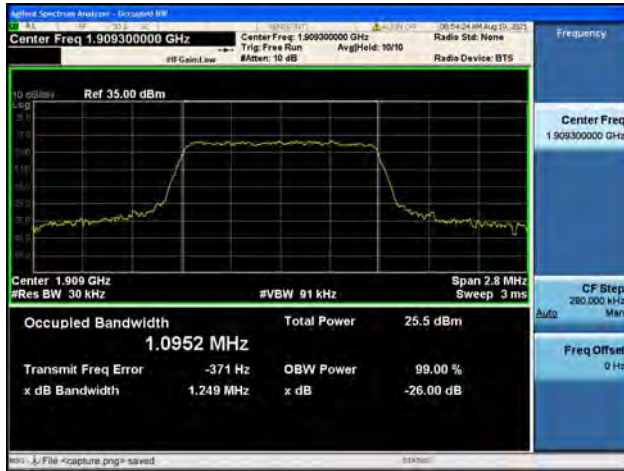


15	Low	QPSK	13.50	15.00
	Low	16QAM	13.46	14.93
	Low	64QAM	13.47	14.89
	Mid	QPSK	13.48	14.86
	Mid	16QAM	13.46	14.91
	Mid	64QAM	13.49	14.81
	High	QPSK	13.49	14.87
	High	16QAM	13.52	14.92
	High	64QAM	13.49	14.84
20	Low	QPSK	18.01	19.80
	Low	16QAM	17.98	19.68
	Low	64QAM	17.98	19.71
	Mid	QPSK	18.01	19.80
	Mid	16QAM	17.97	19.76
	Mid	64QAM	17.96	19.68
	High	QPSK	18.01	19.77
	High	16QAM	18.05	19.75
	High	64QAM	18.05	19.81





Band2 / 1.4MHz / High CH / QPSK



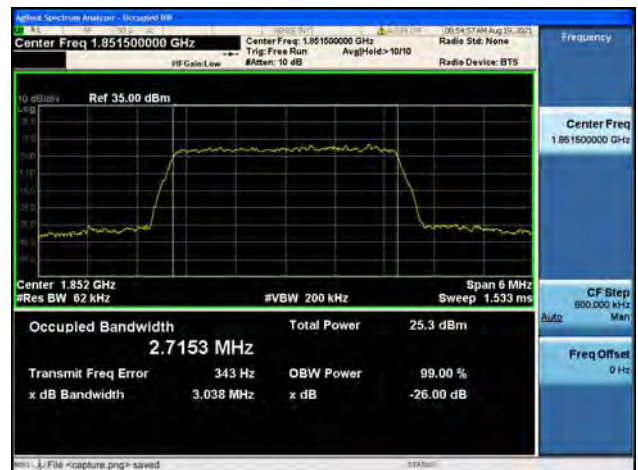
Band2 / 1.4MHz / High CH / 16QAM



Band2 / 1.4MHz / High CH / 64QAM



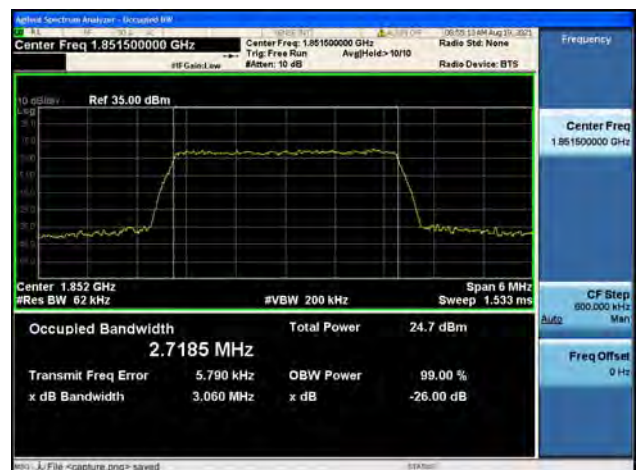
Band2 / 3MHz / Low CH / QPSK



Band2 / 3MHz / Low CH / 16QAM

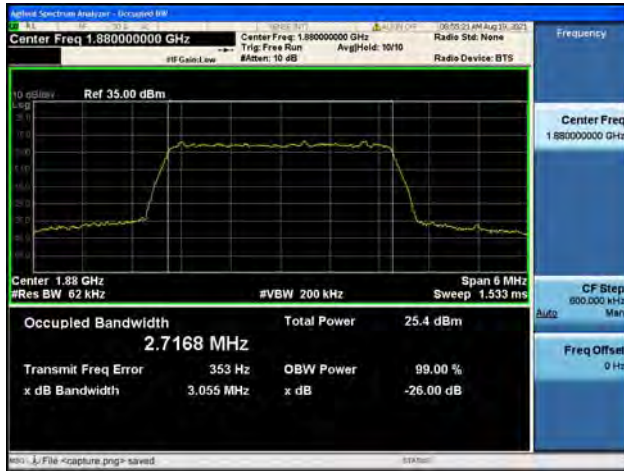


Band2 / 3MHz / Low CH / 64QAM





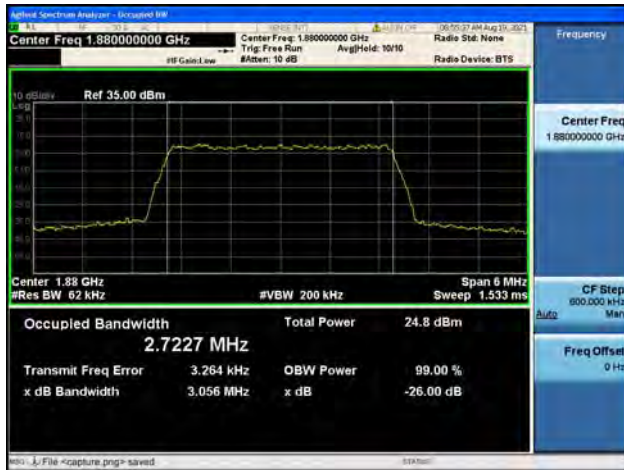
Band2 / 3MHz / Mid CH / QPSK



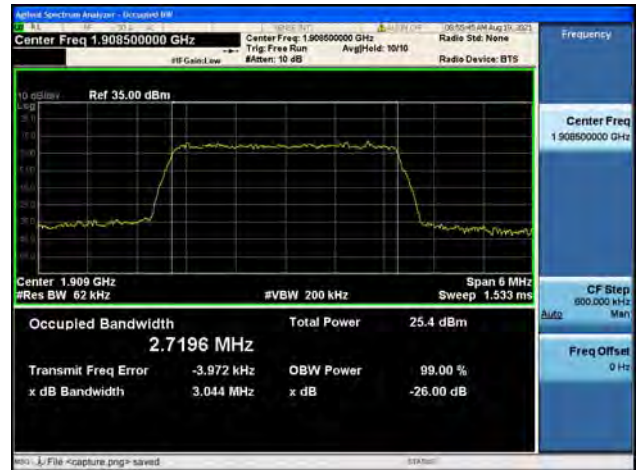
Band2 / 3MHz / Mid CH / 16QAM



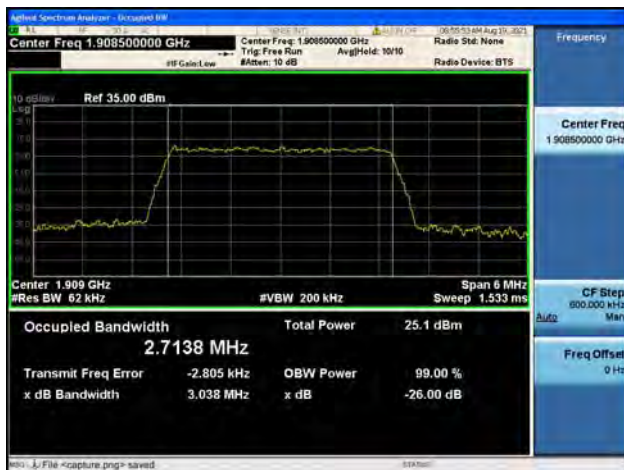
Band2 / 3MHz / Mid CH / 64QAM



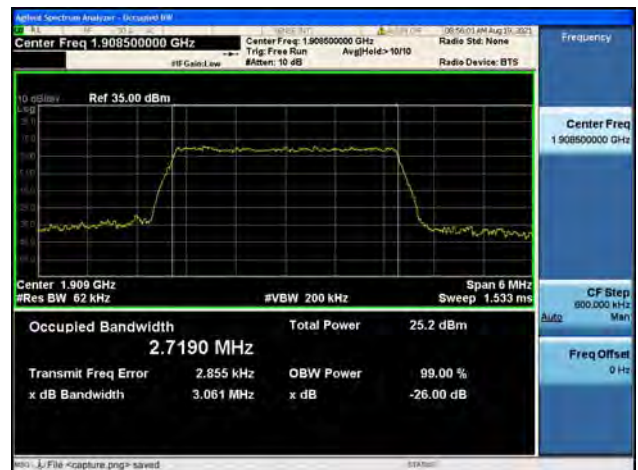
Band2 / 3MHz / High CH / QPSK



Band2 / 3MHz / High CH / 16QAM

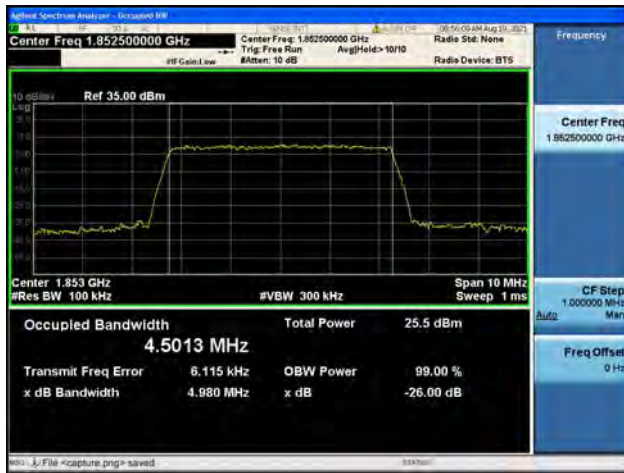


Band2 / 3MHz / High CH / 64QAM

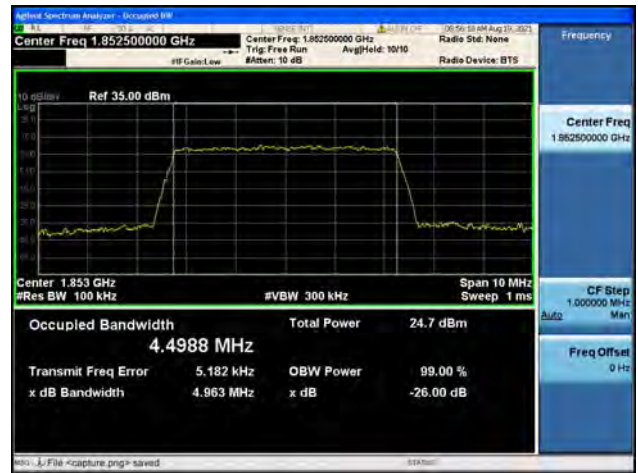




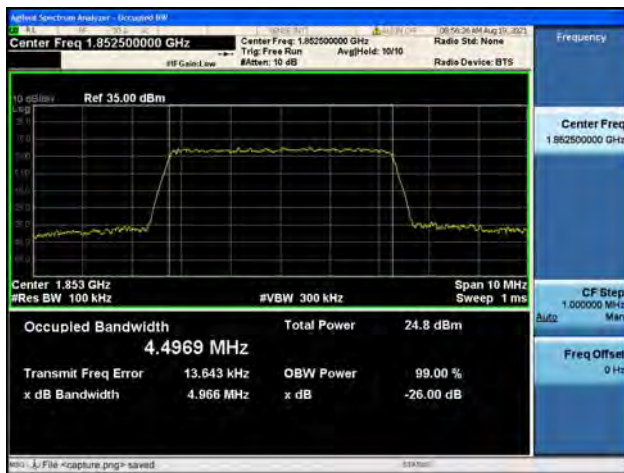
Band2 / 5MHz / Low CH / QPSK



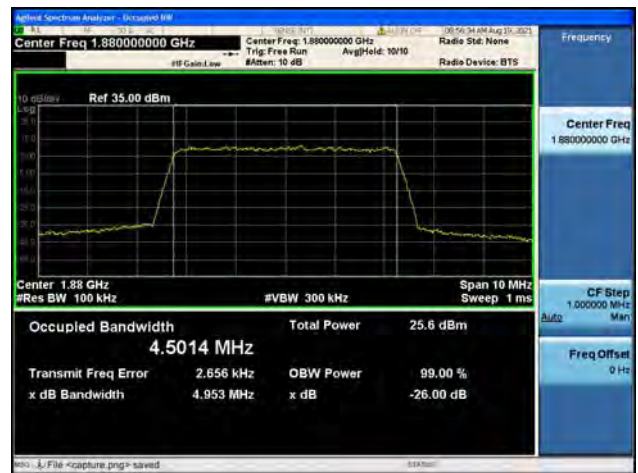
Band2 / 5MHz / Low CH / 16QAM



Band2 / 5MHz / Low CH / 64QAM



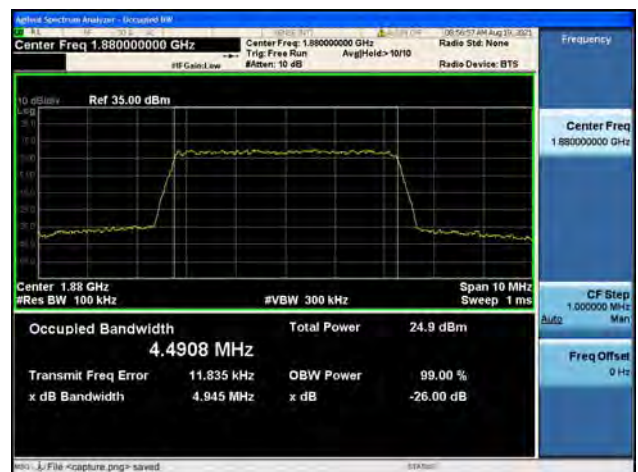
Band2 / 5MHz / Mid CH / QPSK



Band2 / 5MHz / Mid CH / 16QAM

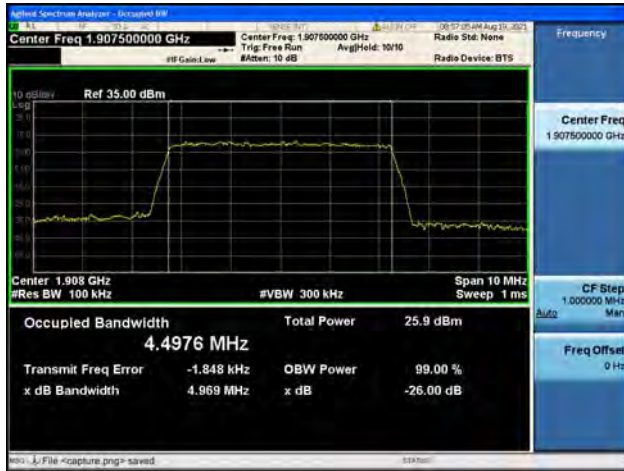


Band2 / 5MHz / Mid CH / 64QAM

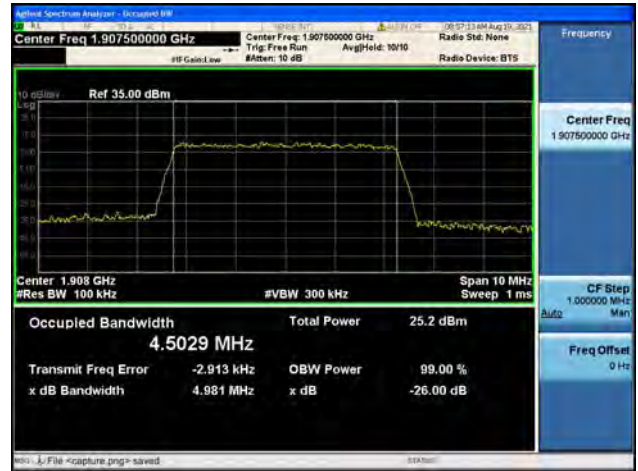




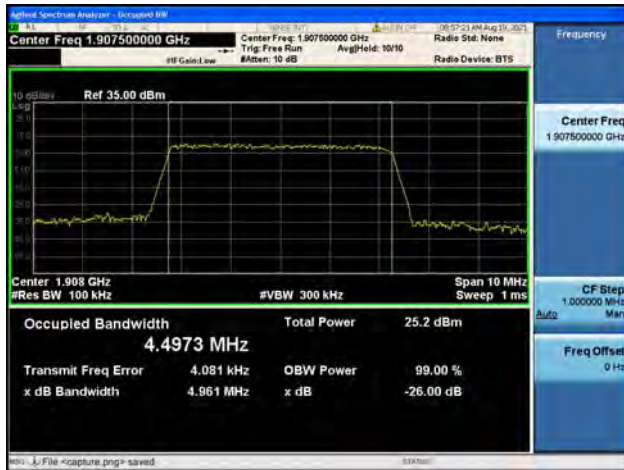
Band2 / 5MHz / High CH / QPSK



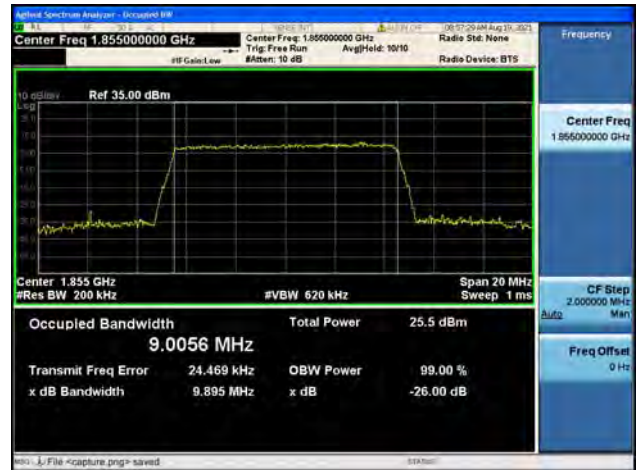
Band2 / 5MHz / High CH / 16QAM



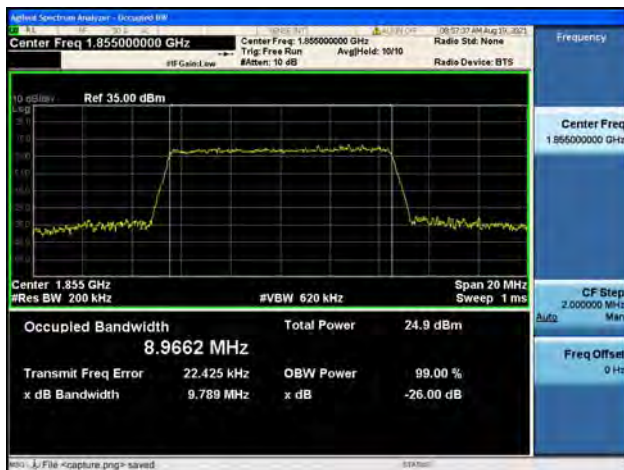
Band2 / 5MHz / High CH / 64QAM



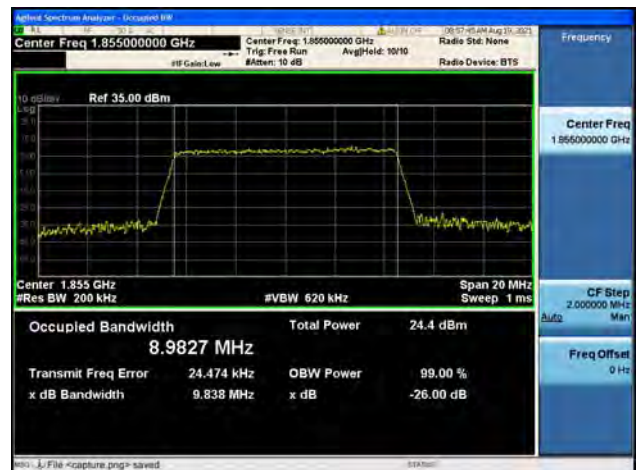
Band2 / 10MHz / Low CH / QPSK



Band2 / 10MHz / Low CH / 16QAM

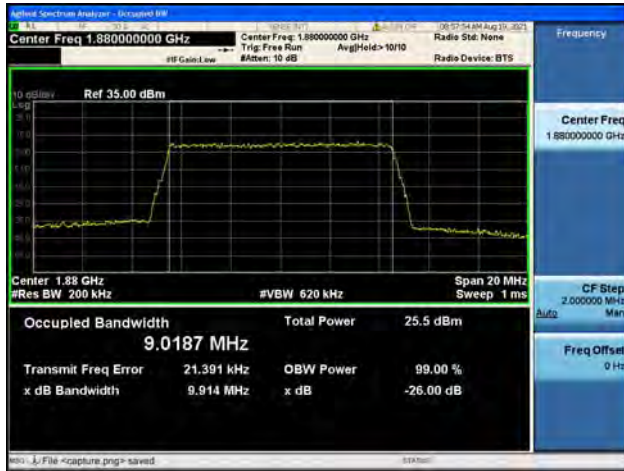


Band2 / 10MHz / Low CH / 64QAM





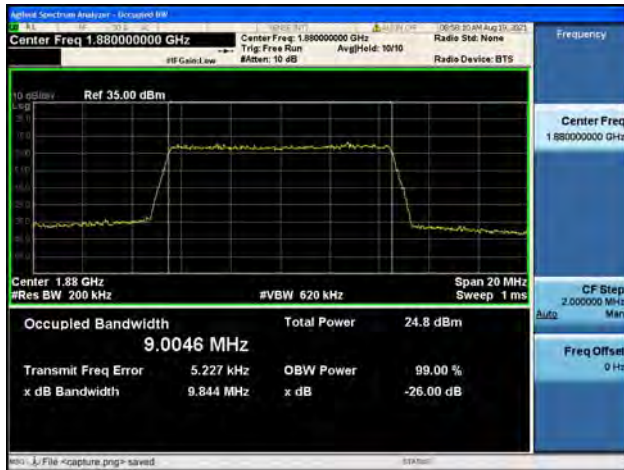
Band2 / 10MHz / Mid CH / QPSK



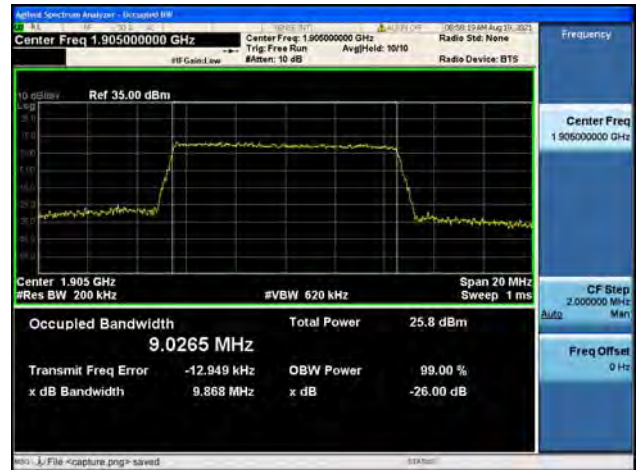
Band2 / 10MHz / Mid CH / 16QAM



Band2 / 10MHz / Mid CH / 64QAM



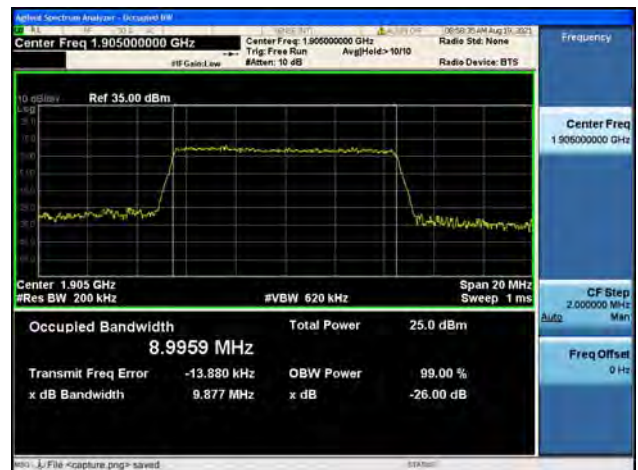
Band2 / 10MHz / High CH / QPSK



Band2 / 10MHz / High CH / 16QAM

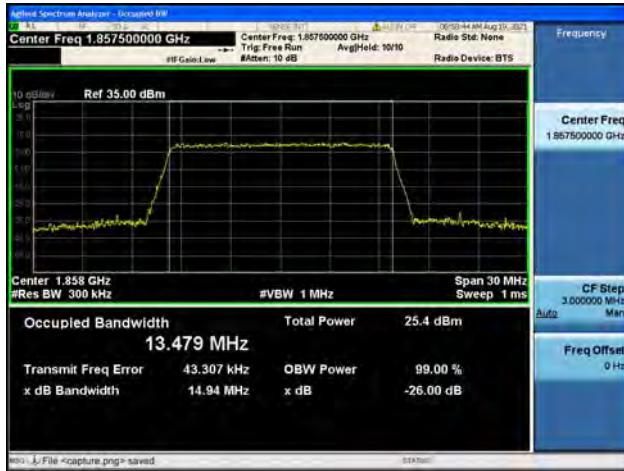


Band2 / 10MHz / High CH / 64QAM

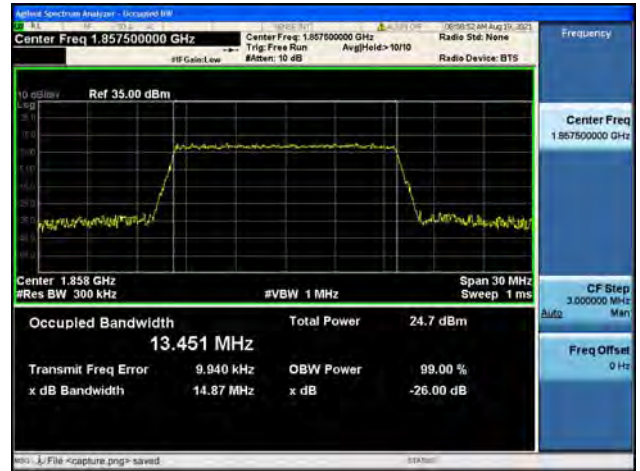




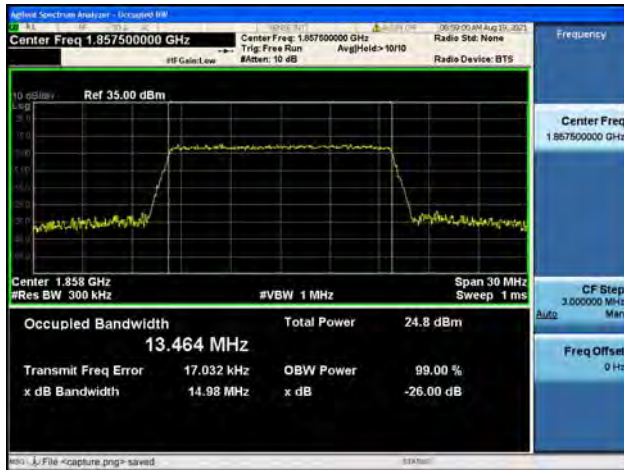
Band2 / 15MHz / Low CH / QPSK



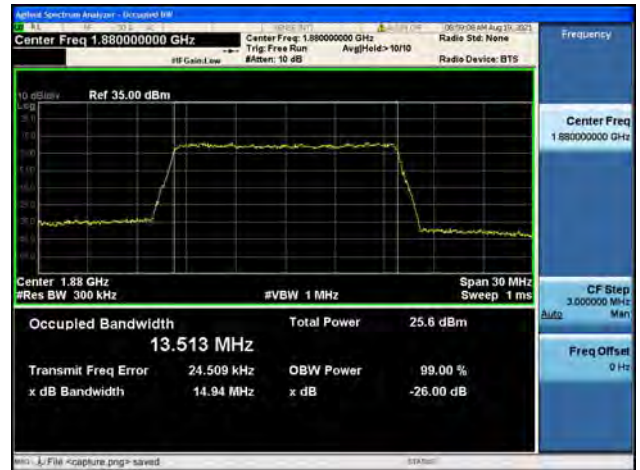
Band2 / 15MHz / Low CH / 16QAM



Band2 / 15MHz / Low CH / 64QAM



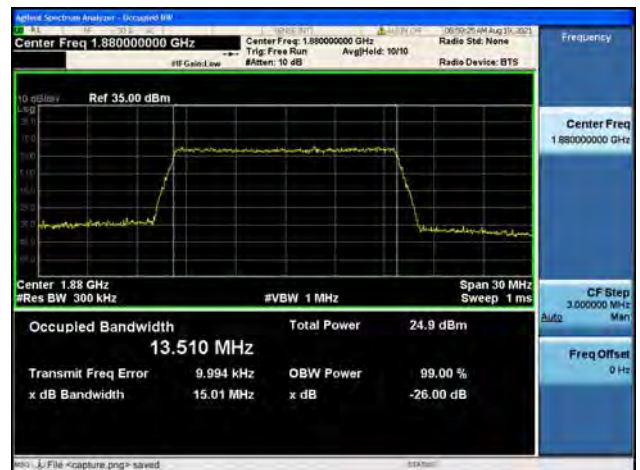
Band2 / 15MHz / Mid CH / QPSK



Band2 / 15MHz / Mid CH / 16QAM

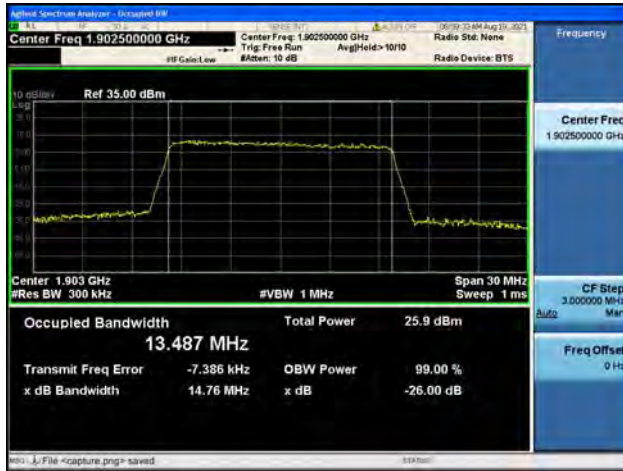


Band2 / 15MHz / Mid CH / 64QAM

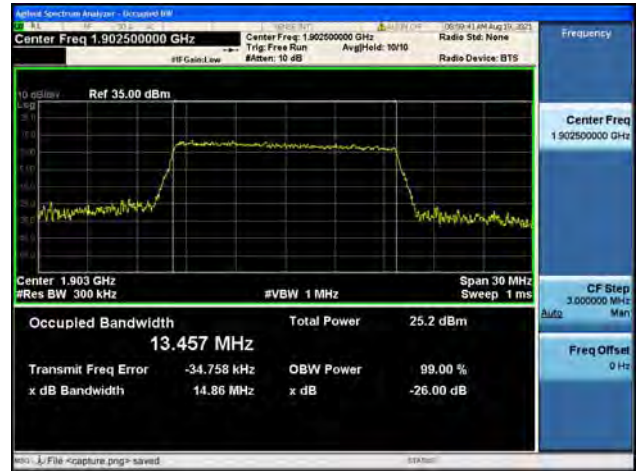




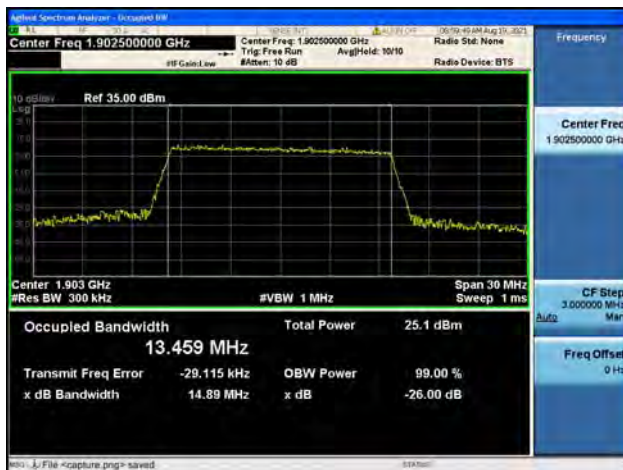
Band2 / 15MHz / High CH / QPSK



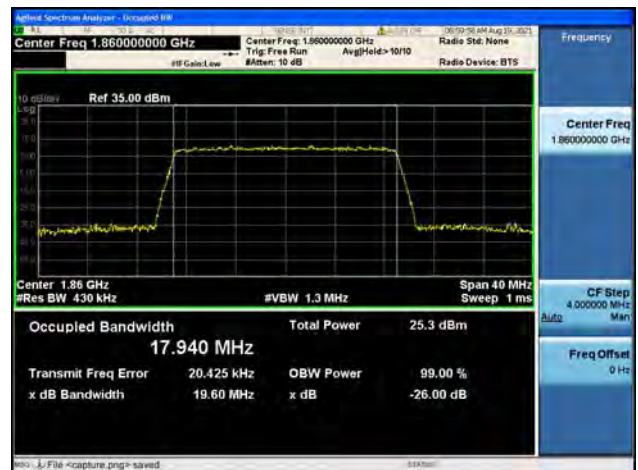
Band2 / 15MHz / High CH / 16QAM



Band2 / 15MHz / High CH / 64QAM



Band2 / 20MHz / Low CH / QPSK



Band2 / 20MHz / Low CH / 16QAM

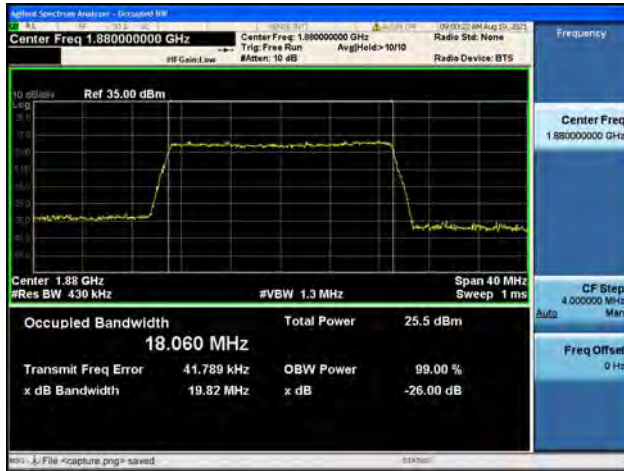


Band2 / 20MHz / Low CH / 64QAM





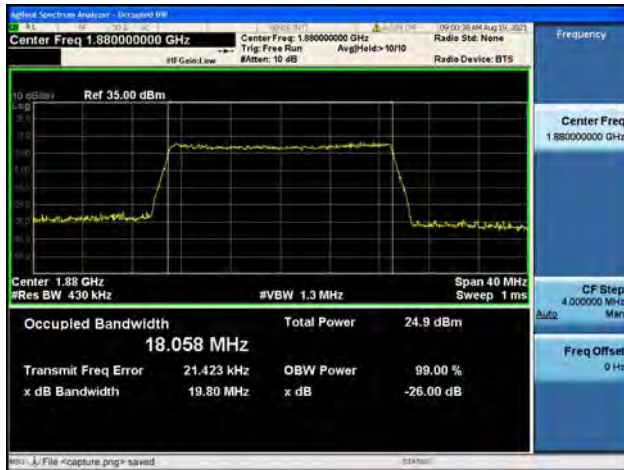
Band2 / 20MHz / Mid CH / QPSK



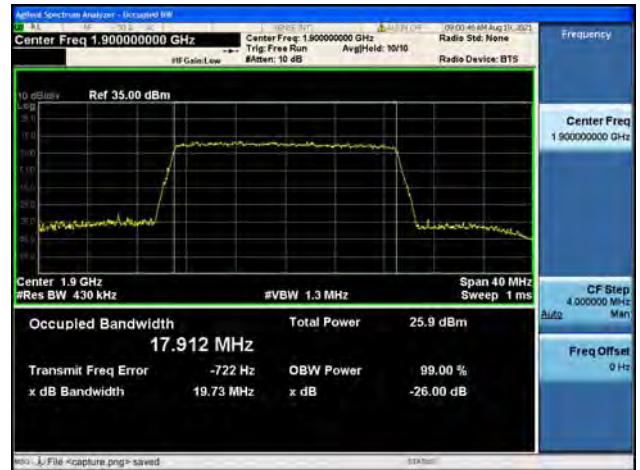
Band2 / 20MHz / Mid CH / 16QAM



Band2 / 20MHz / Mid CH / 64QAM



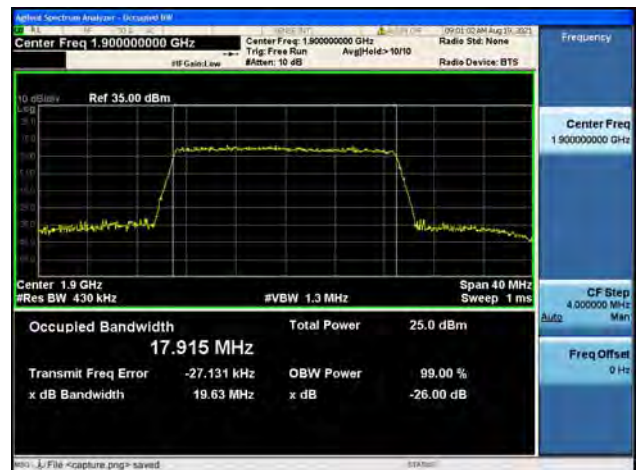
Band2 / 20MHz / High CH / QPSK



Band2 / 20MHz / High CH / 16QAM

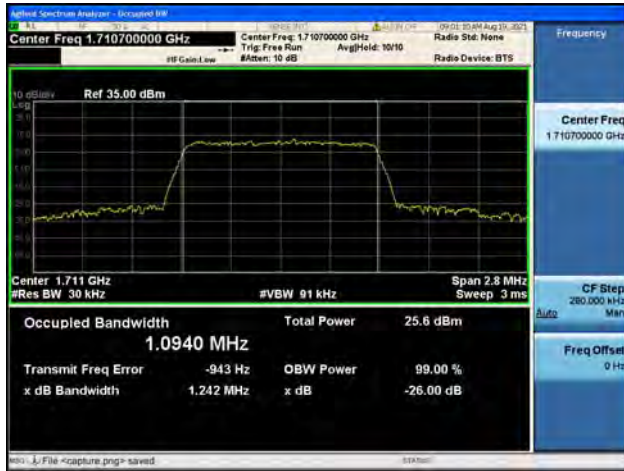


Band2 / 20MHz / High CH / 64QAM

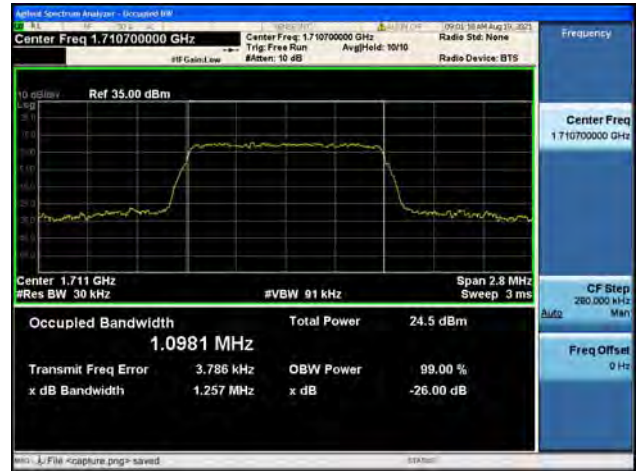




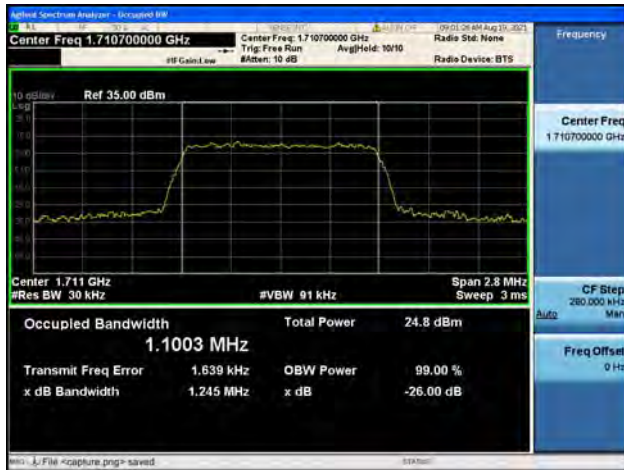
Band4 / 1.4MHz / Low CH / QPSK



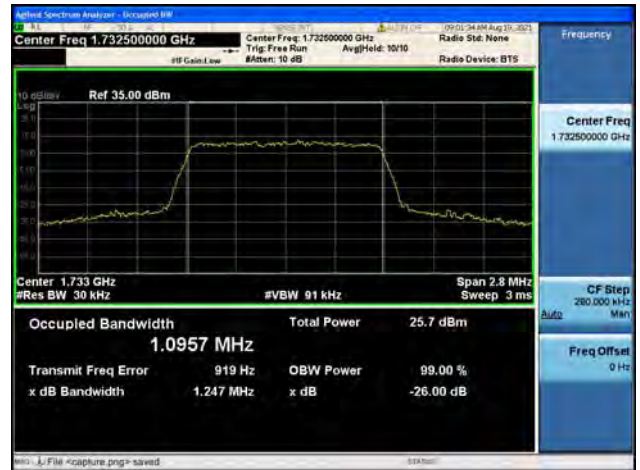
Band4 / 1.4MHz / Low CH / 16QAM



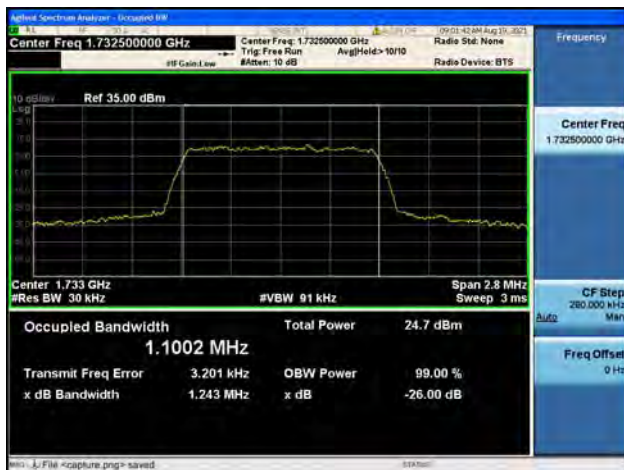
Band4 / 1.4MHz / Low CH / 64QAM



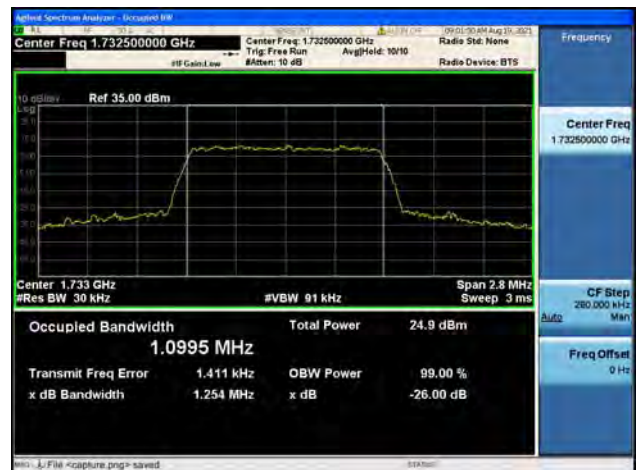
Band4 / 1.4MHz / Mid CH / QPSK



Band4 / 1.4MHz / Mid CH / 16QAM



Band4 / 1.4MHz / Mid CH / 64QAM

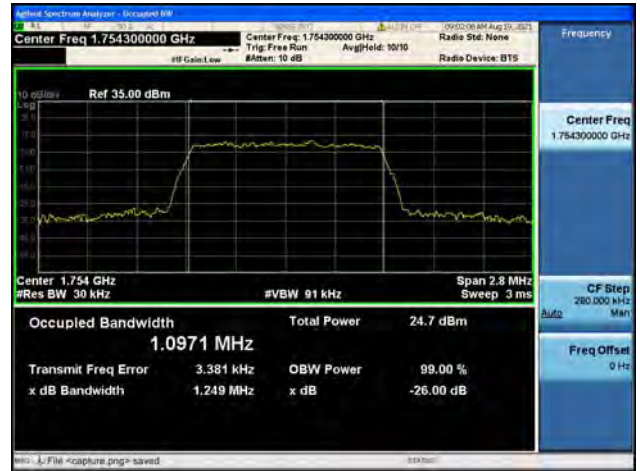




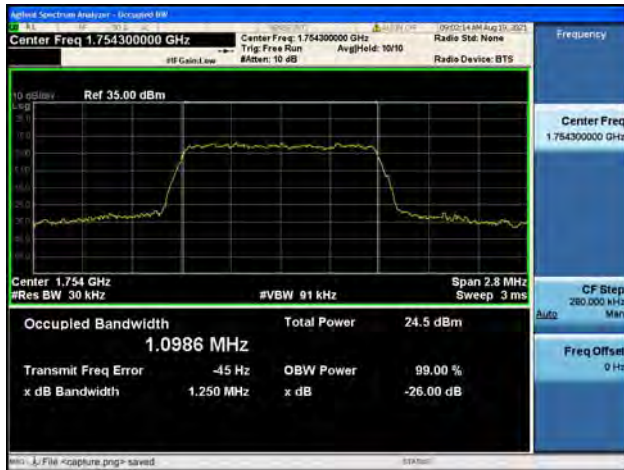
Band4 / 1.4MHz / High CH / QPSK



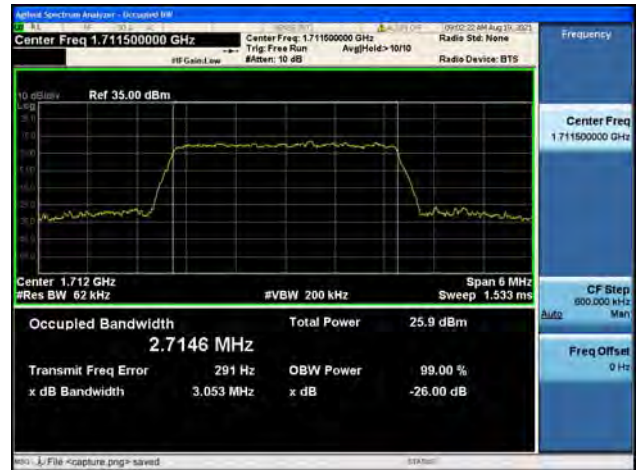
Band4 / 1.4MHz / High CH / 16QAM



Band4 / 1.4MHz / High CH / 64QAM



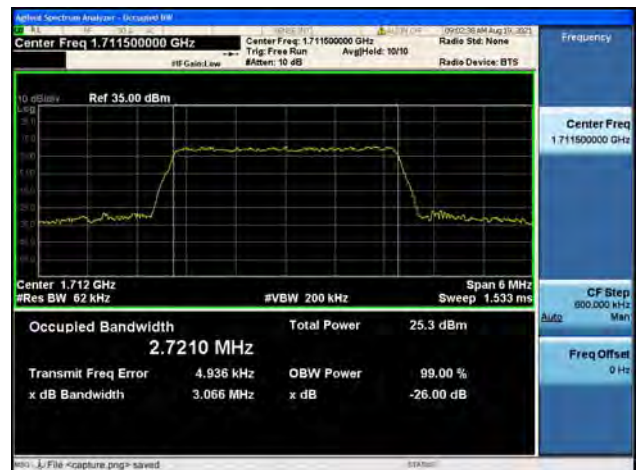
Band4 / 3MHz / Low CH / QPSK



Band4 / 3MHz / Low CH / 16QAM

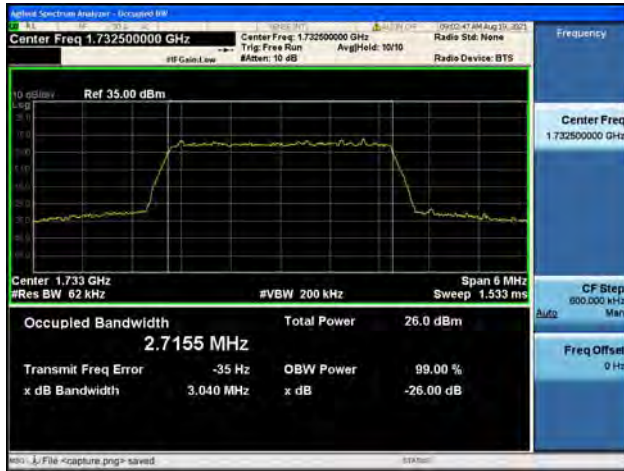


Band4 / 3MHz / Low CH / 64QAM

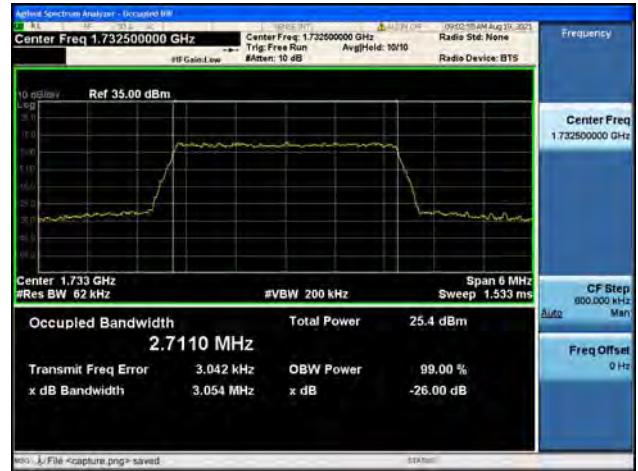




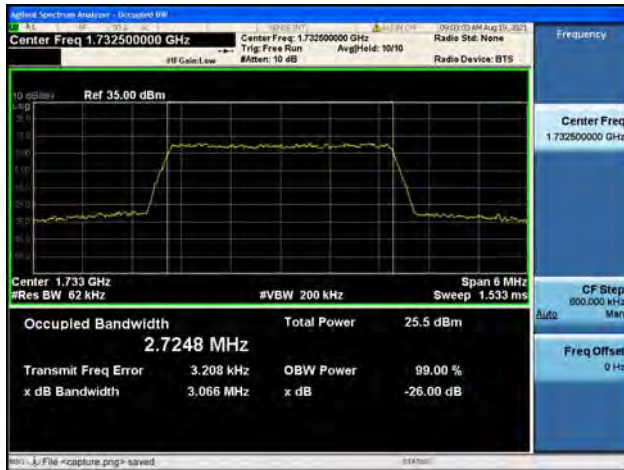
Band4 / 3MHz / Mid CH / QPSK



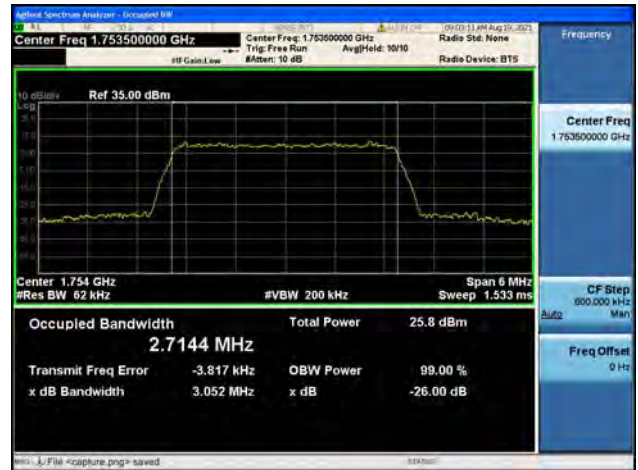
Band4 / 3MHz / Mid CH / 16QAM



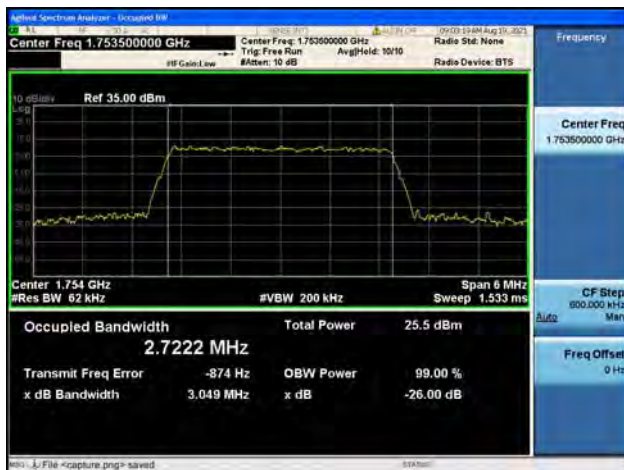
Band4 / 3MHz / Mid CH / 64QAM



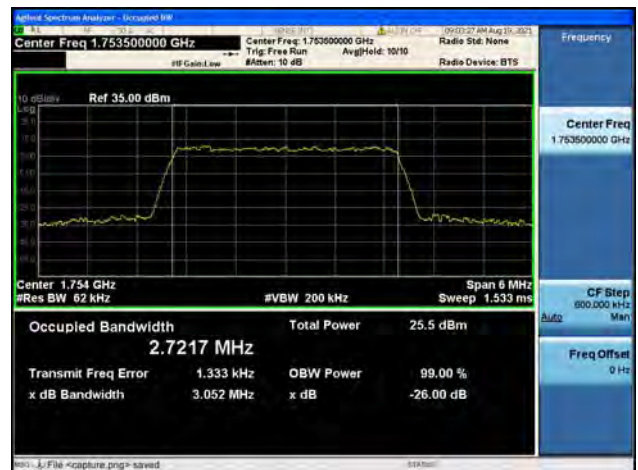
Band4 / 3MHz / High CH / QPSK



Band4 / 3MHz / High CH / 16QAM

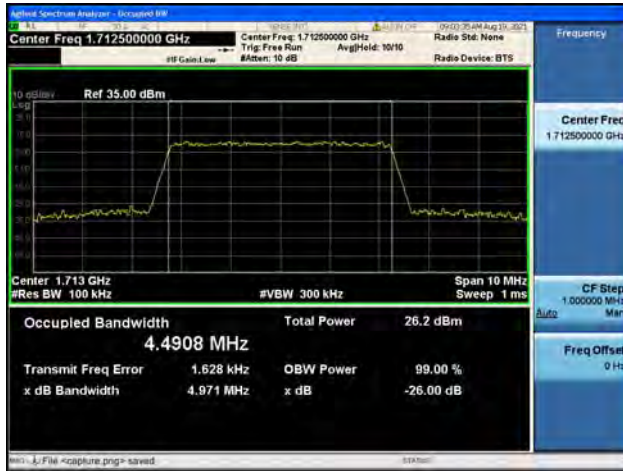


Band4 / 3MHz / High CH / 64QAM

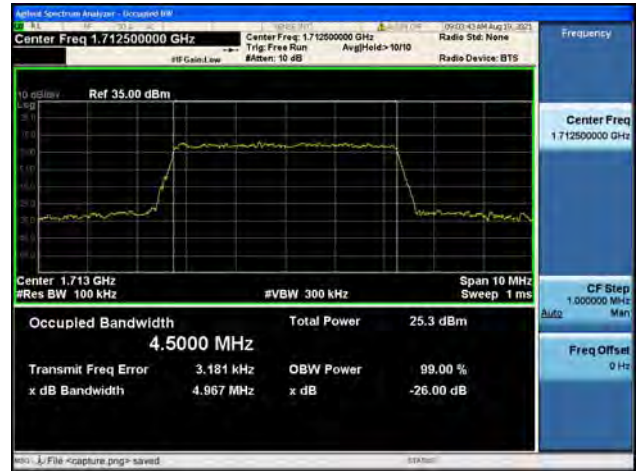




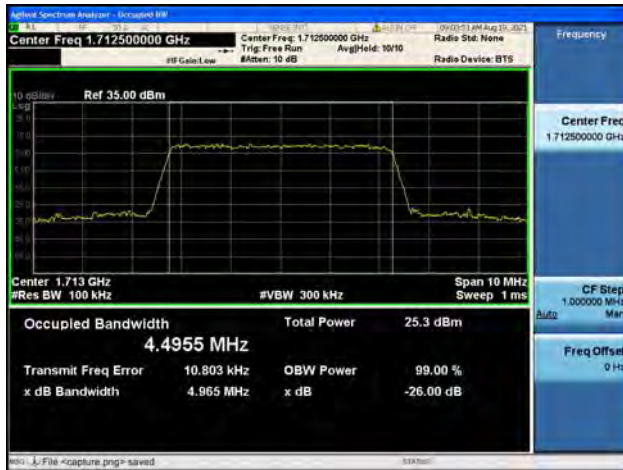
Band4 / 5MHz / Low CH / QPSK



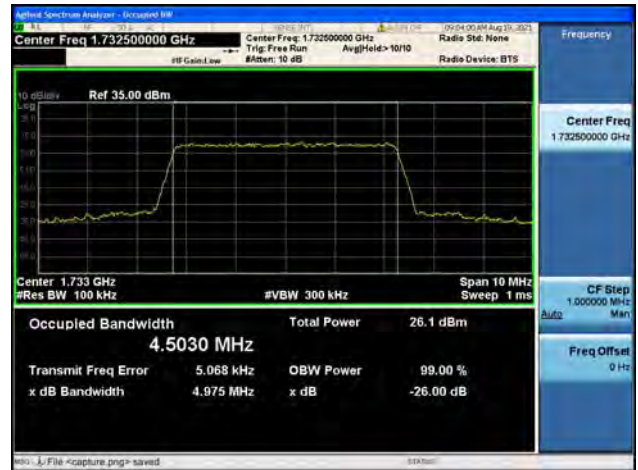
Band4 / 5MHz / Low CH / 16QAM



Band4 / 5MHz / Low CH / 64QAM



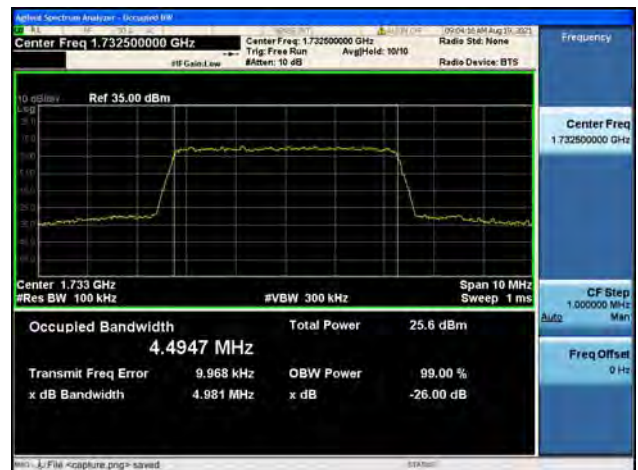
Band4 / 5MHz / Mid CH / QPSK



Band4 / 5MHz / Mid CH / 16QAM

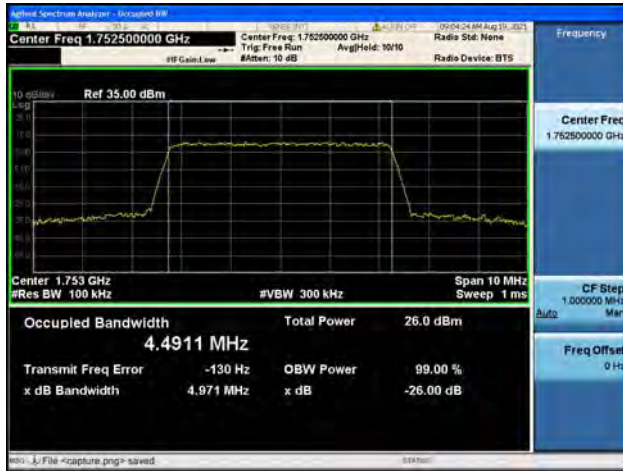


Band4 / 5MHz / Mid CH / 64QAM

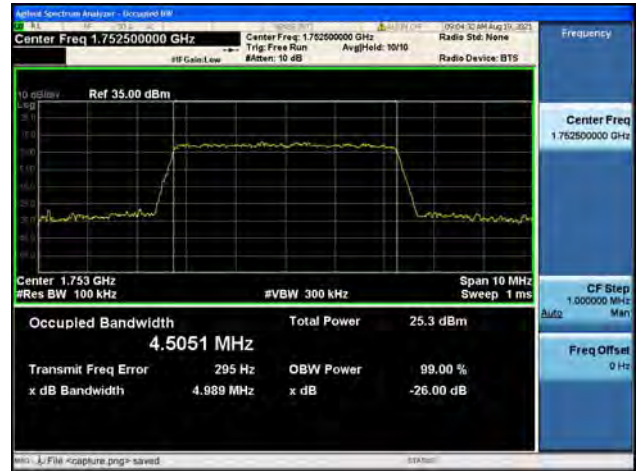




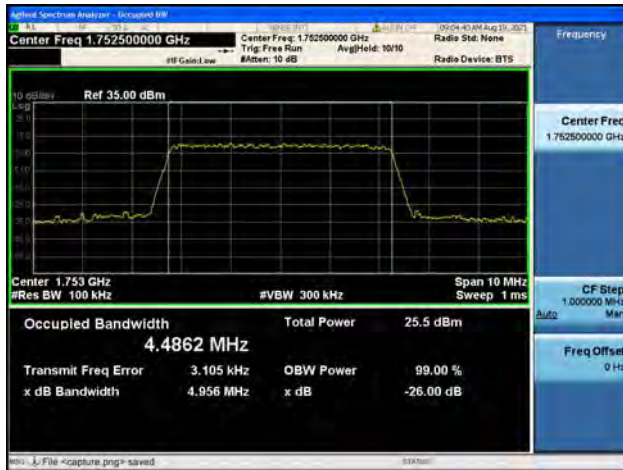
Band4 / 5MHz / High CH / QPSK



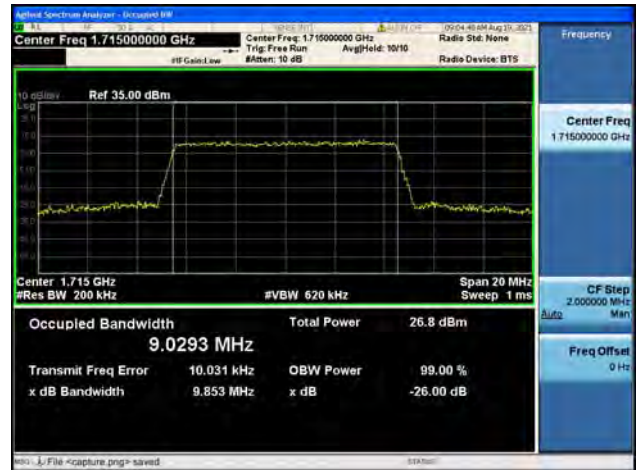
Band4 / 5MHz / High CH / 16QAM



Band4 / 5MHz / High CH / 64QAM



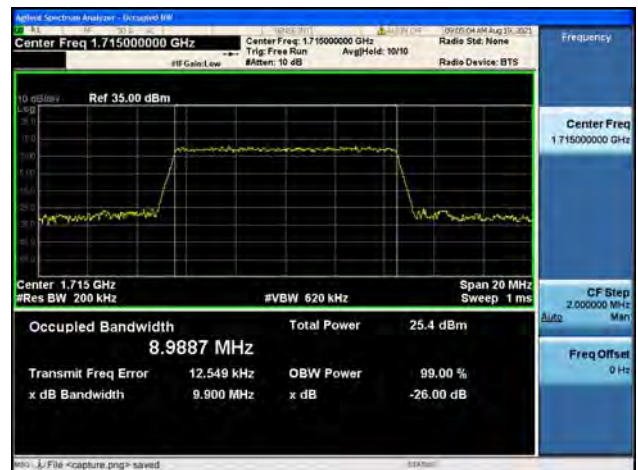
Band4 / 10MHz / Low CH / QPSK



Band4 / 10MHz / Low CH / 16QAM

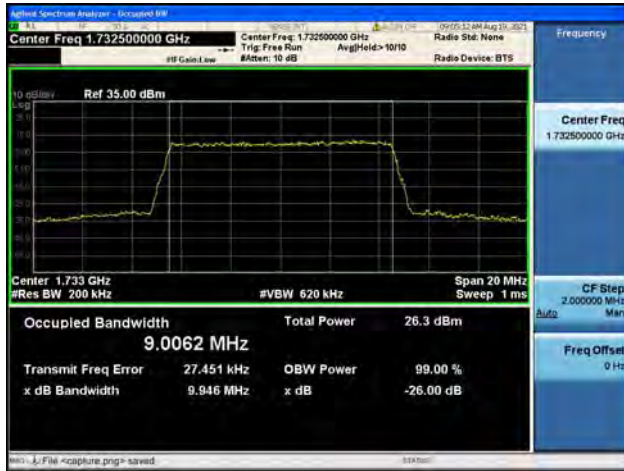


Band4 / 10MHz / Low CH / 64QAM

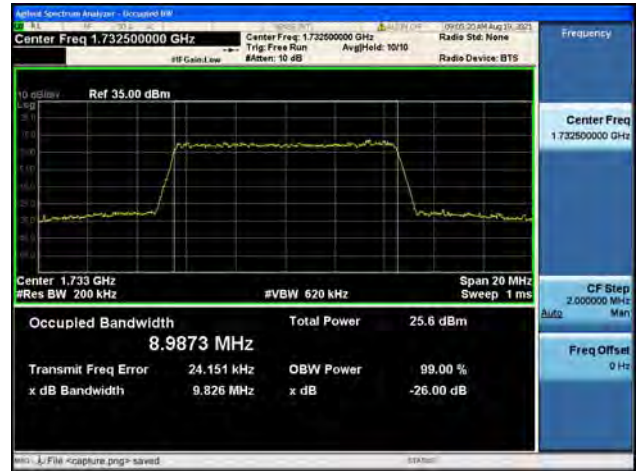




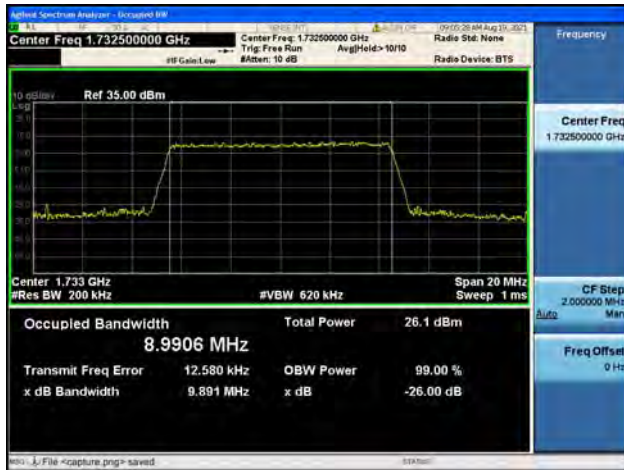
Band4 / 10MHz / Mid CH / QPSK



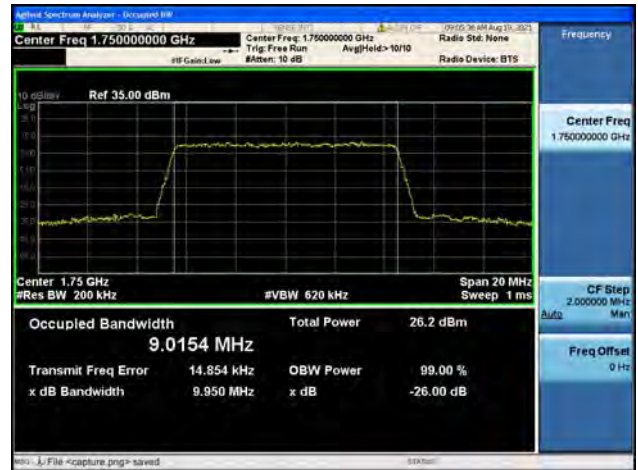
Band4 / 10MHz / Mid CH / 16QAM



Band4 / 10MHz / Mid CH / 64QAM



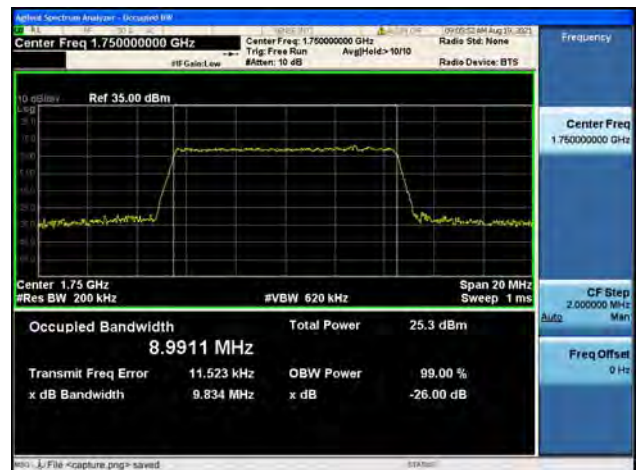
Band4 / 10MHz / High CH / QPSK



Band4 / 10MHz / High CH / 16QAM

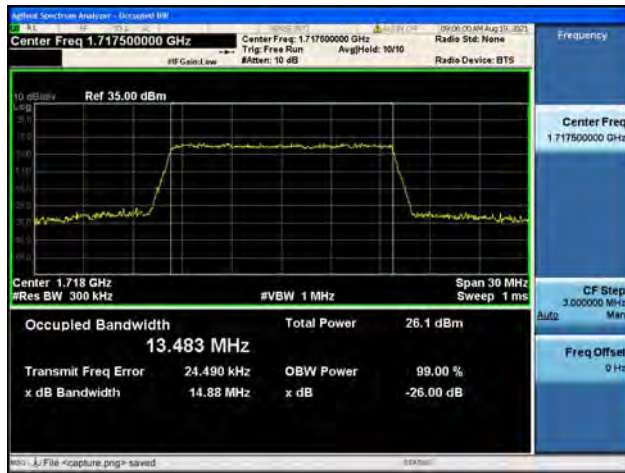


Band4 / 10MHz / High CH / 64QAM

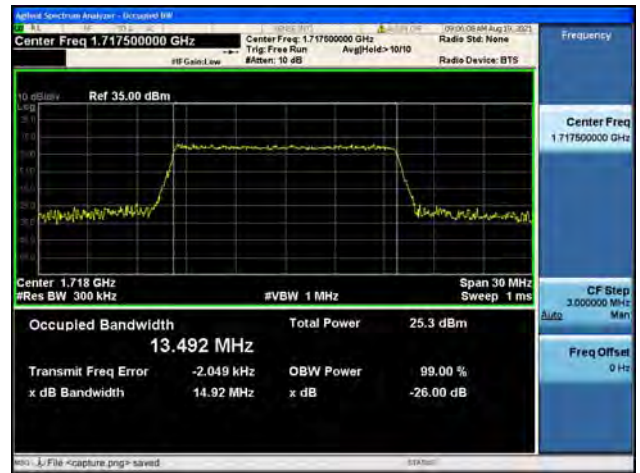




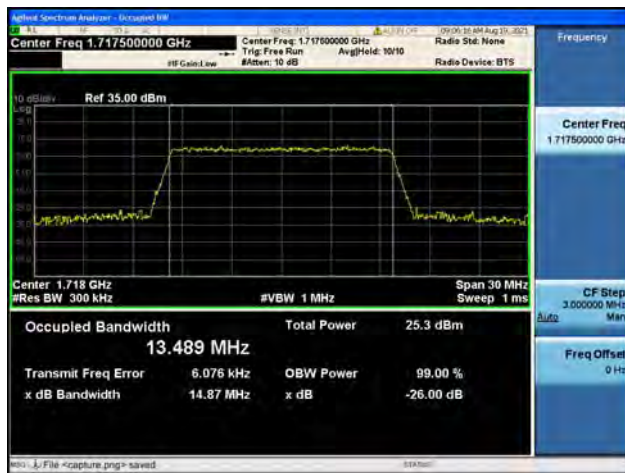
Band4 / 15MHz / Low CH / QPSK



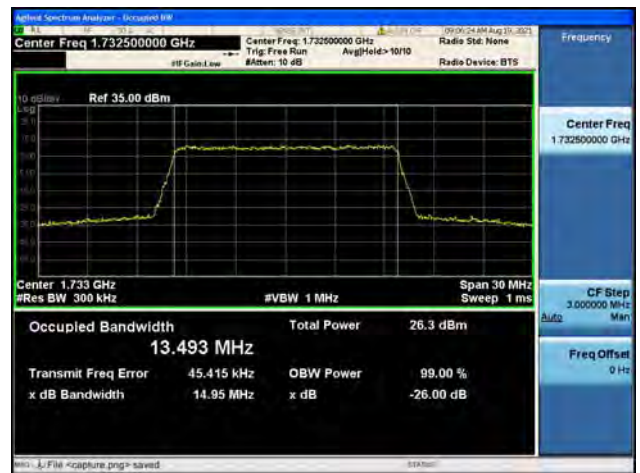
Band4 / 15MHz / Low CH / 16QAM



Band4 / 15MHz / Low CH / 64QAM



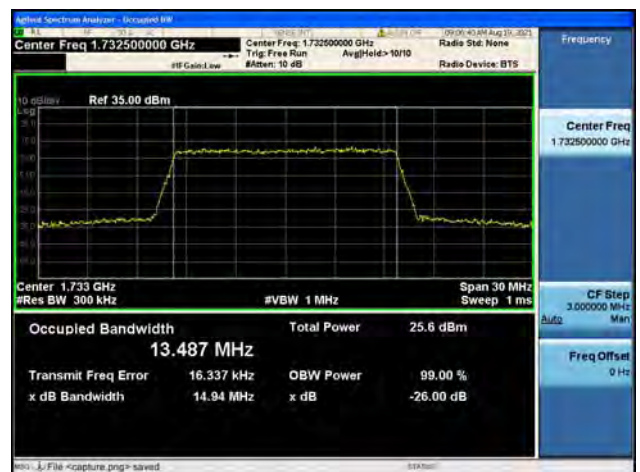
Band4 / 15MHz / Mid CH / QPSK



Band4 / 15MHz / Mid CH / 16QAM

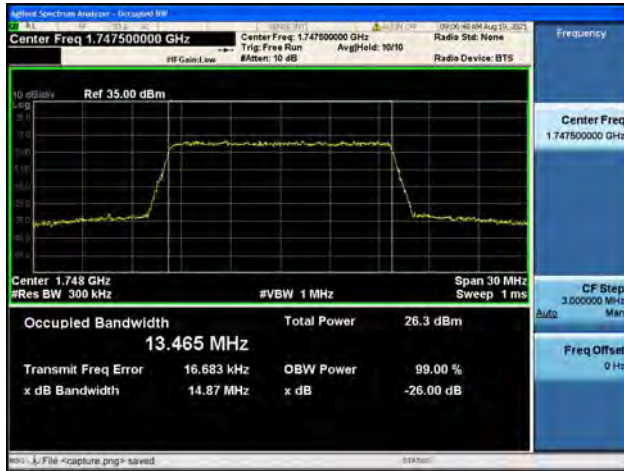


Band4 / 15MHz / Mid CH / 64QAM

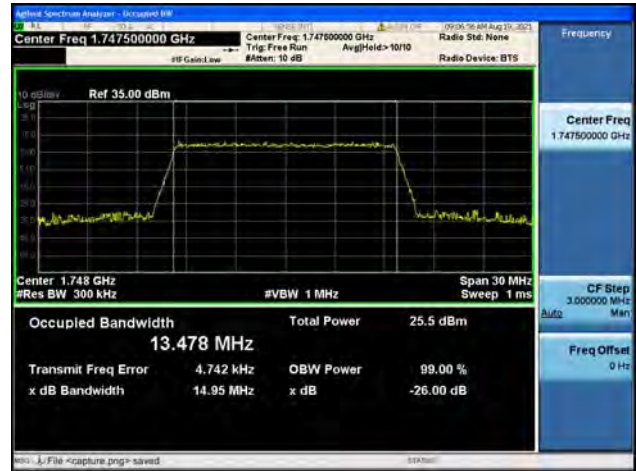




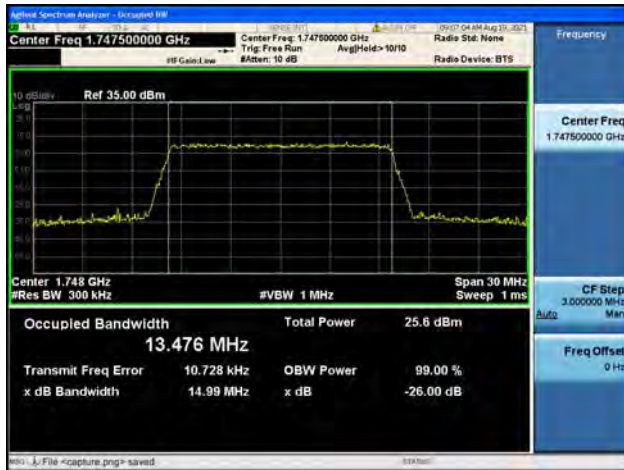
Band4 / 15MHz / High CH / QPSK



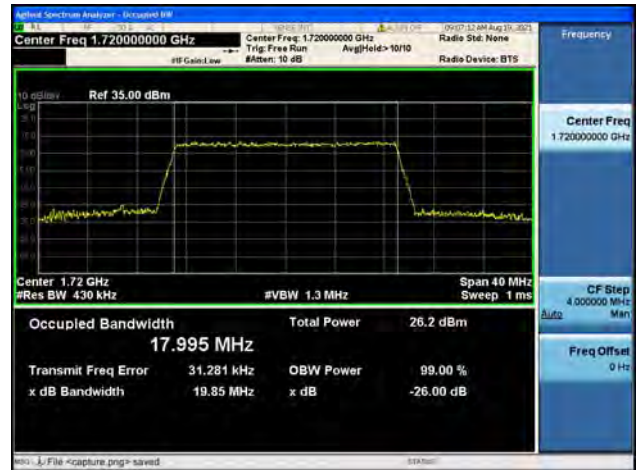
Band4 / 15MHz / High CH / 16QAM



Band4 / 15MHz / High CH / 64QAM



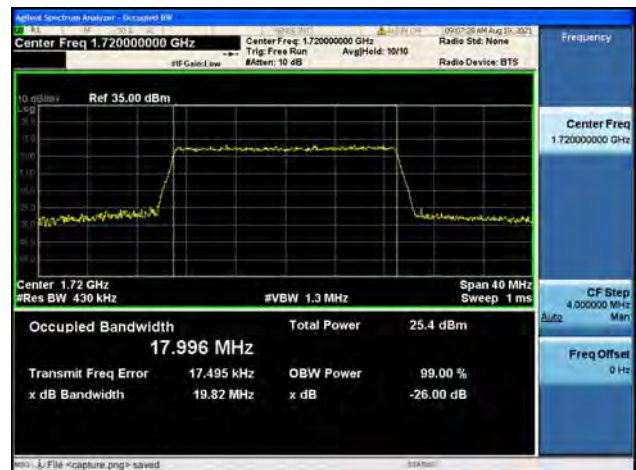
Band4 / 20MHz / Low CH / QPSK



Band4 / 20MHz / Low CH / 16QAM

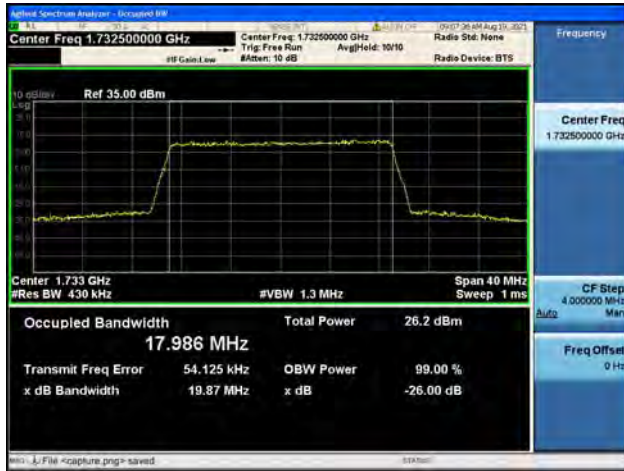


Band4 / 20MHz / Low CH / 64QAM





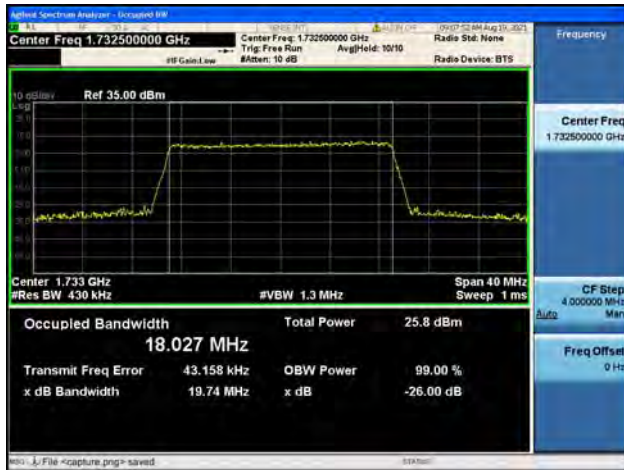
Band4 / 20MHz / Mid CH / QPSK



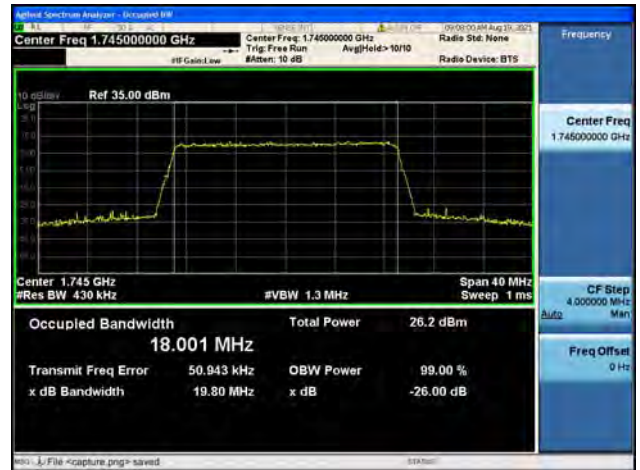
Band4 / 20MHz / Mid CH / 16QAM



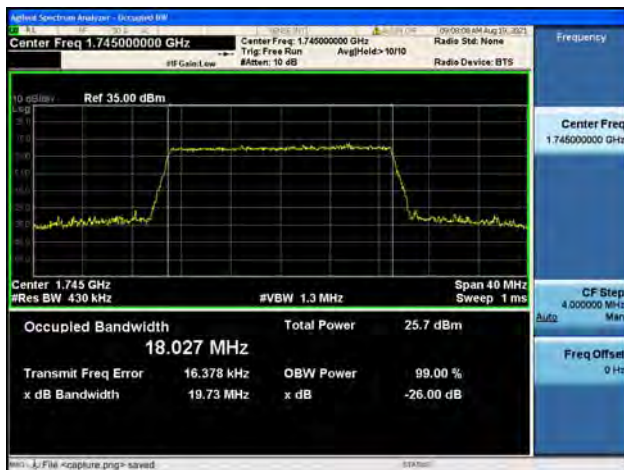
Band4 / 20MHz / Mid CH / 64QAM



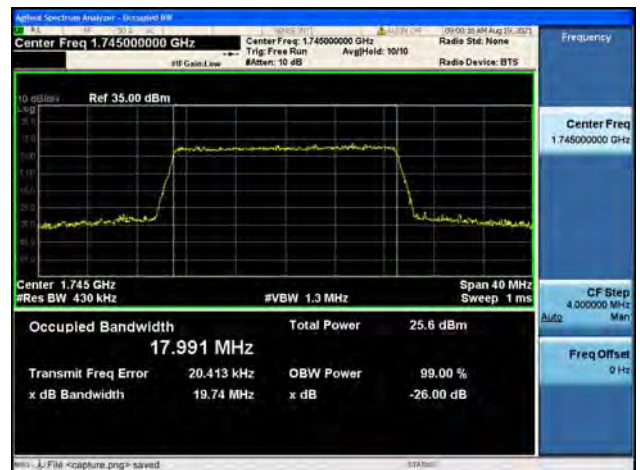
Band4 / 20MHz / High CH / QPSK



Band4 / 20MHz / High CH / 16QAM

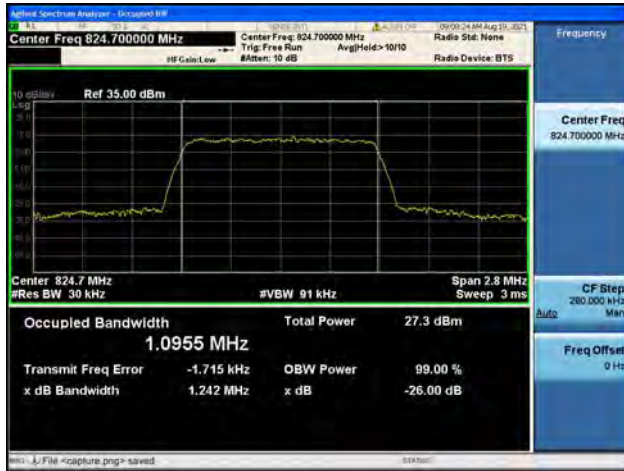


Band4 / 20MHz / High CH / 64QAM

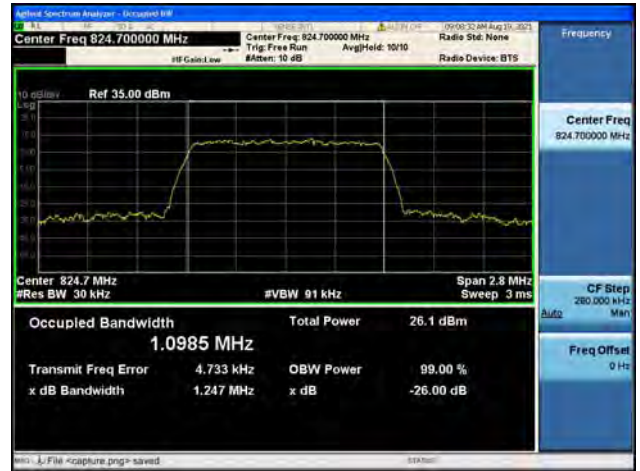




Band5 / 1.4MHz / Low CH / QPSK



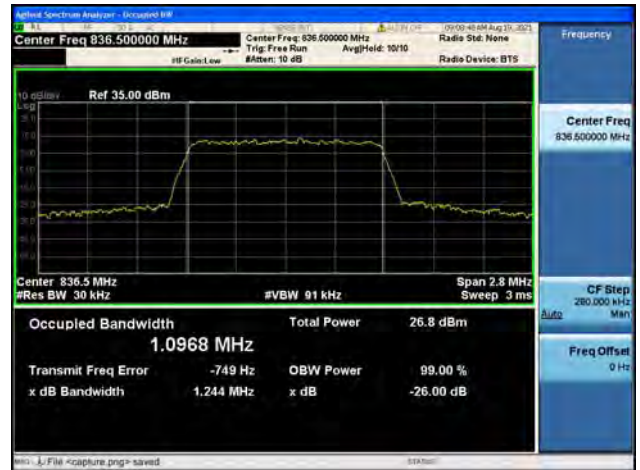
Band5 / 1.4MHz / Low CH / 16QAM



Band5 / 1.4MHz / Low CH / 64QAM



Band5 / 1.4MHz / Mid CH / QPSK



Band5 / 1.4MHz / Mid CH / 16QAM

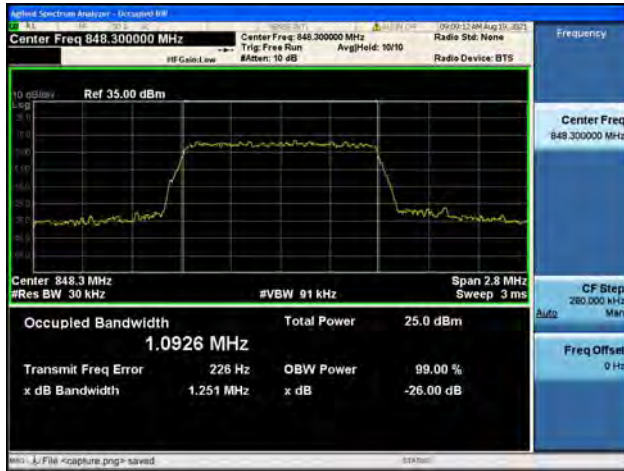


Band5 / 1.4MHz / Mid CH / 64QAM

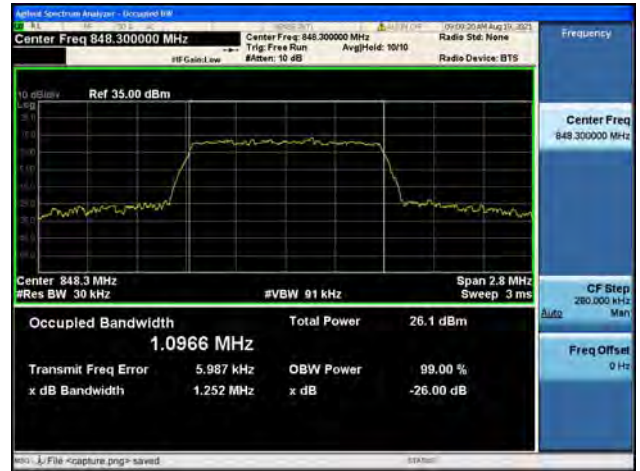




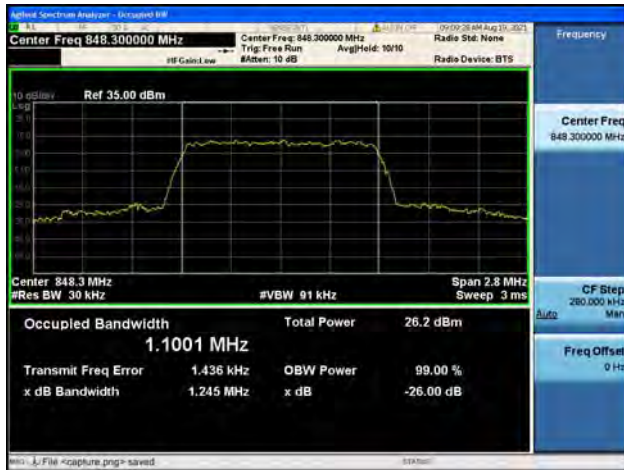
Band5 / 1.4MHz / High CH / QPSK



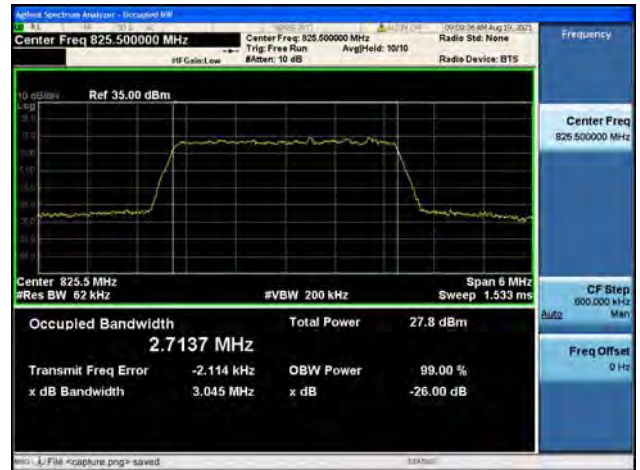
Band5 / 1.4MHz / High CH / 16QAM



Band5 / 1.4MHz / High CH / 64QAM



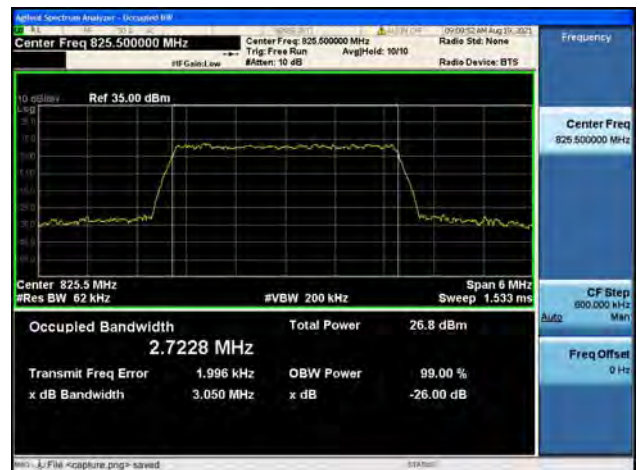
Band5 / 3MHz / Low CH / QPSK



Band5 / 3MHz / Low CH / 16QAM

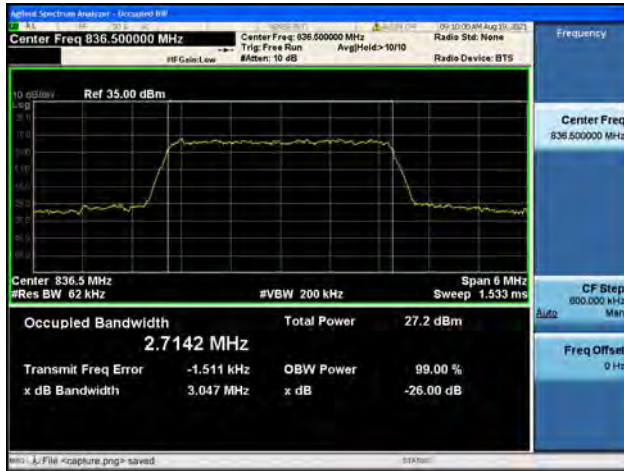


Band5 / 3MHz / Low CH / 64QAM

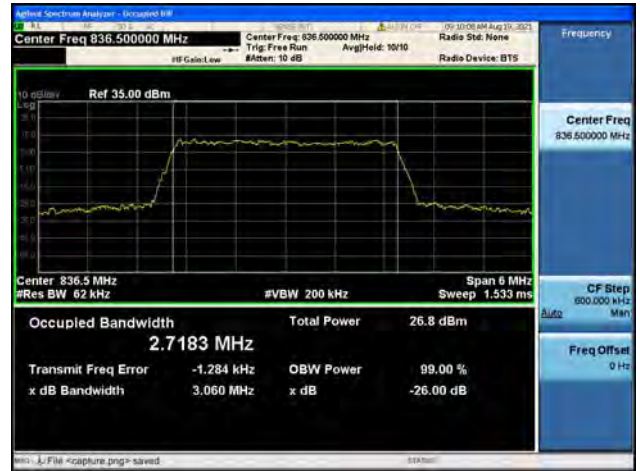




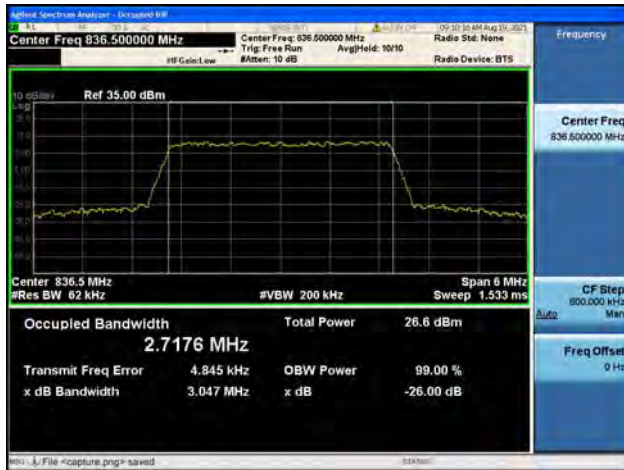
Band5 / 3MHz / Mid CH / QPSK



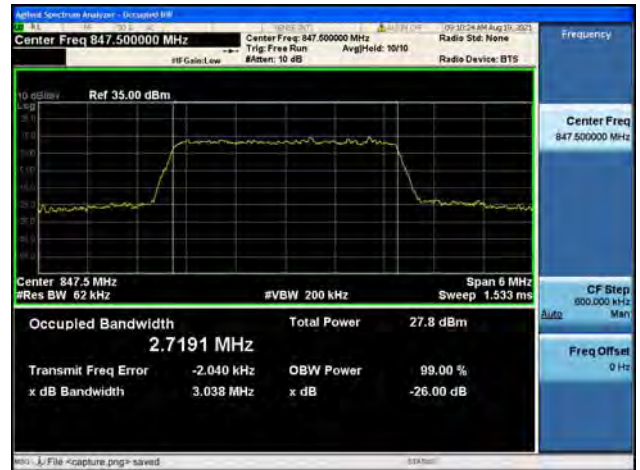
Band5 / 3MHz / Mid CH / 16QAM



Band5 / 3MHz / Mid CH / 64QAM



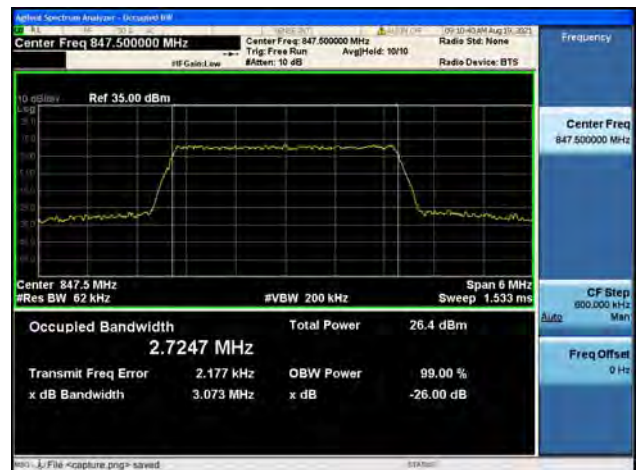
Band5 / 3MHz / High CH / QPSK



Band5 / 3MHz / High CH / 16QAM

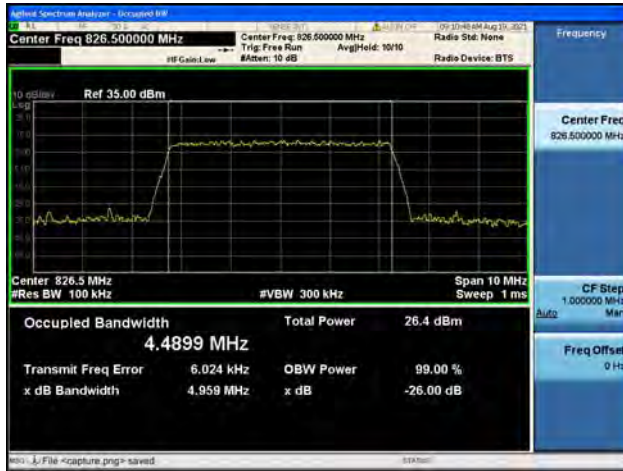


Band5 / 3MHz / High CH / 64QAM





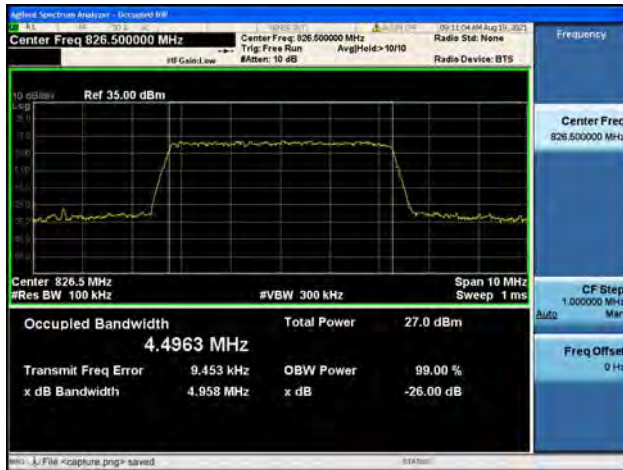
Band5 / 5MHz / Low CH / QPSK



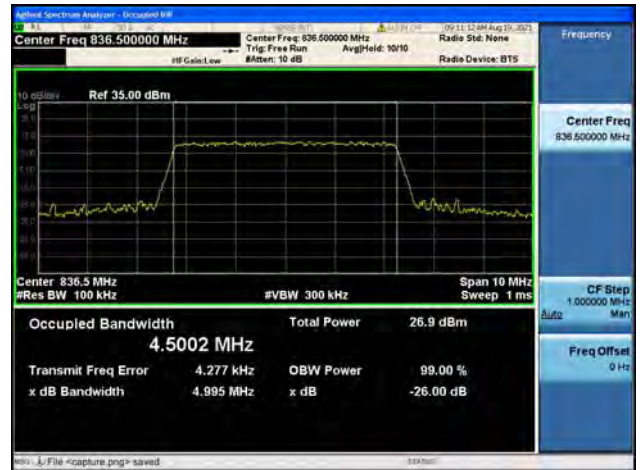
Band5 / 5MHz / Low CH / 16QAM



Band5 / 5MHz / Low CH / 64QAM



Band5 / 5MHz / Mid CH / QPSK



Band5 / 5MHz / Mid CH / 16QAM

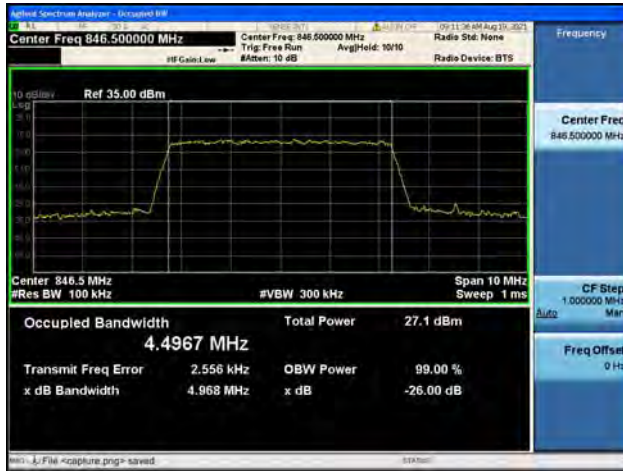


Band5 / 5MHz / Mid CH / 64QAM





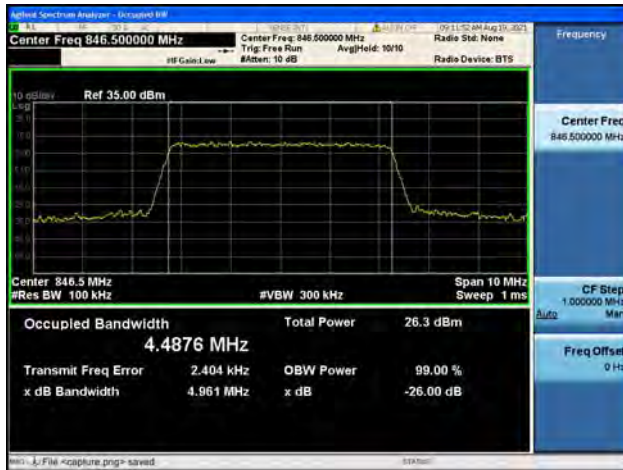
Band5 / 5MHz / High CH / QPSK



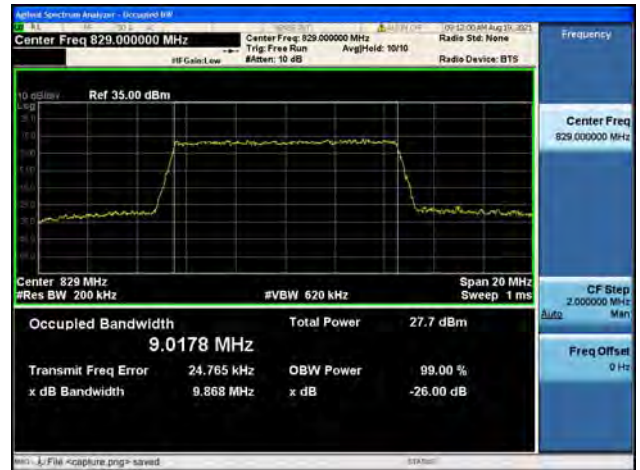
Band5 / 5MHz / High CH / 16QAM



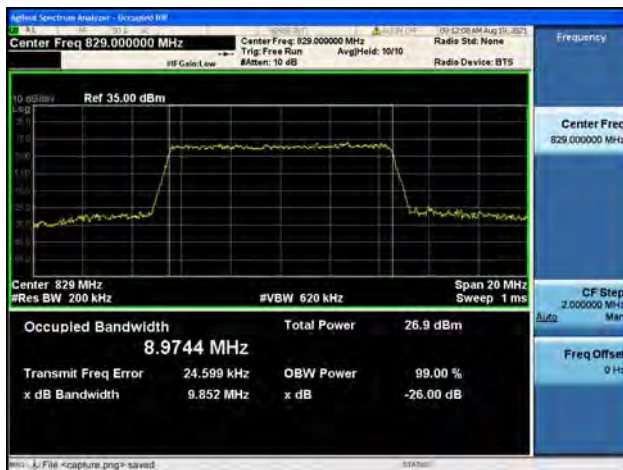
Band5 / 5MHz / High CH / 64QAM



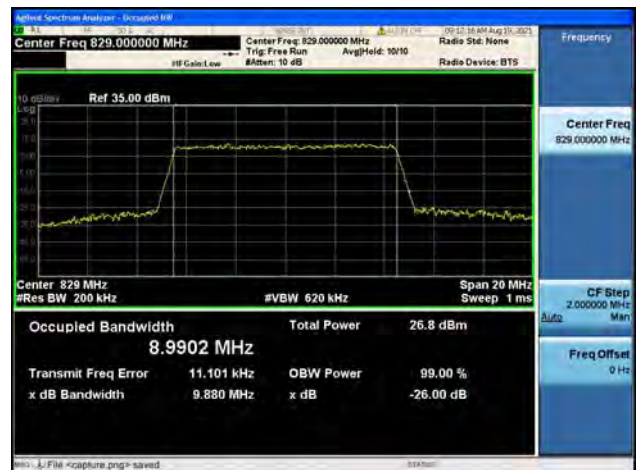
Band5 / 10MHz / Low CH / QPSK



Band5 / 10MHz / Low CH / 16QAM

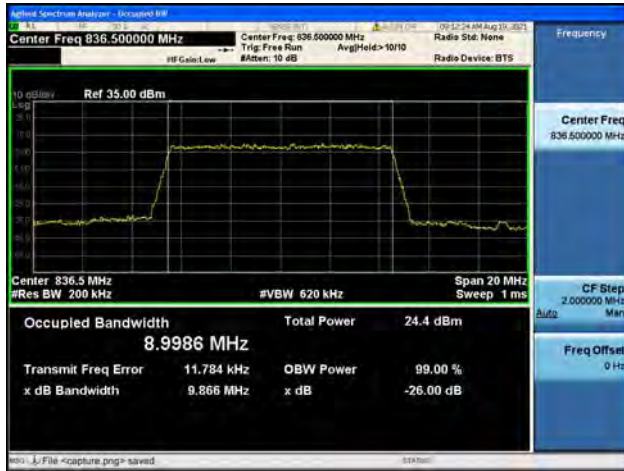


Band5 / 10MHz / Low CH / 64QAM

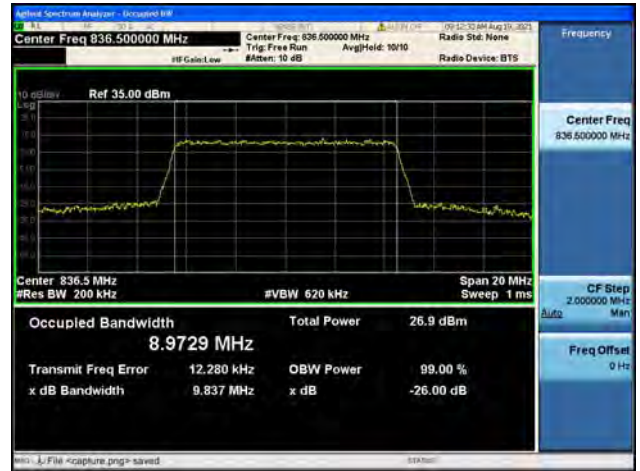




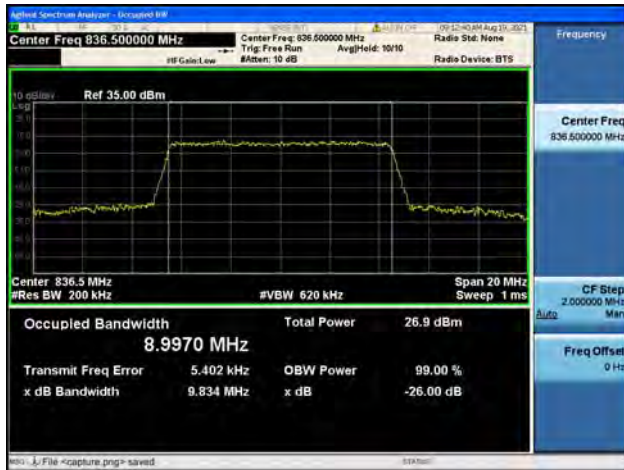
Band5 / 10MHz / Mid CH / QPSK



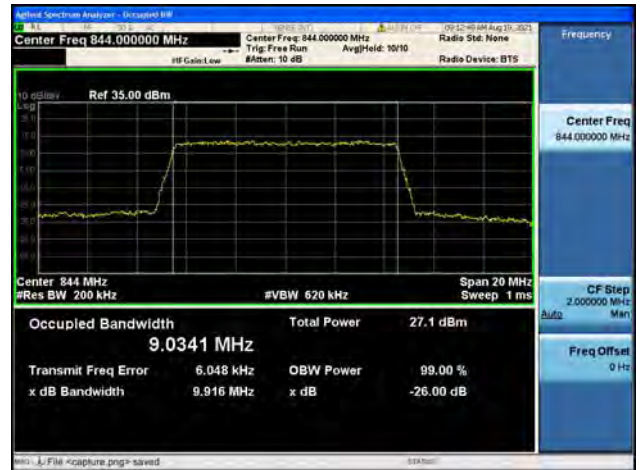
Band5 / 10MHz / Mid CH / 16QAM



Band5 / 10MHz / Mid CH / 64QAM



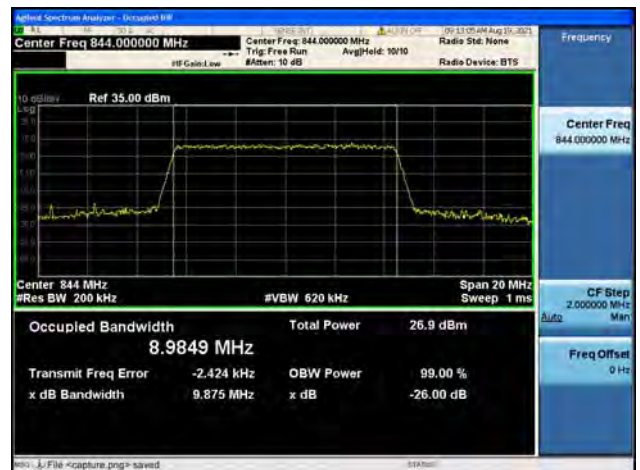
Band5 / 10MHz / High CH / QPSK



Band5 / 10MHz / High CH / 16QAM

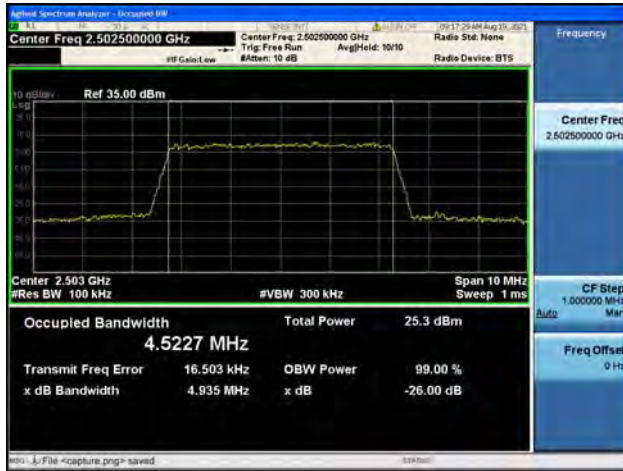


Band5 / 10MHz / High CH / 64QAM

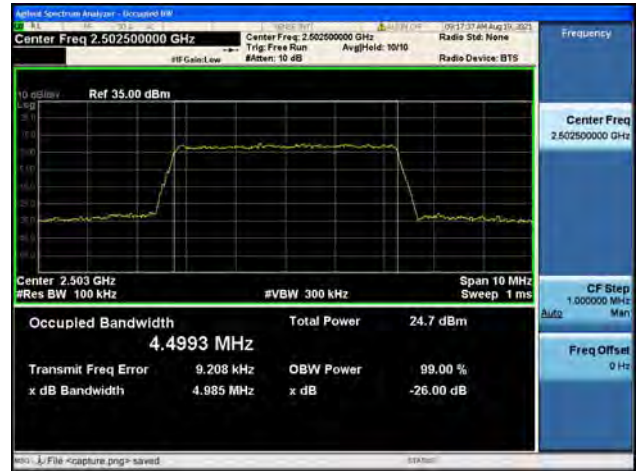




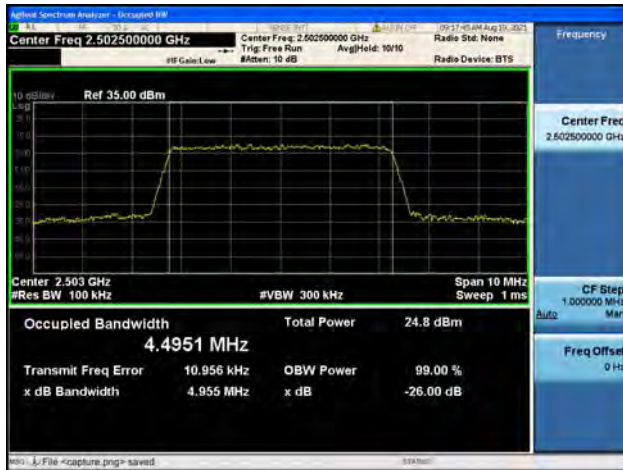
Band7 / 5MHz / Low CH / QPSK



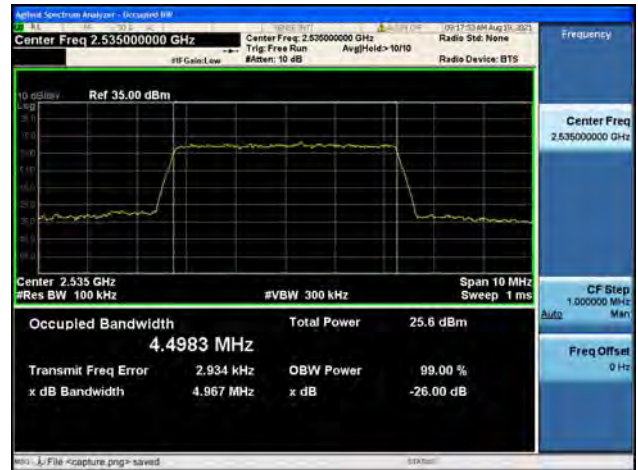
Band7 / 5MHz / Low CH / 16QAM



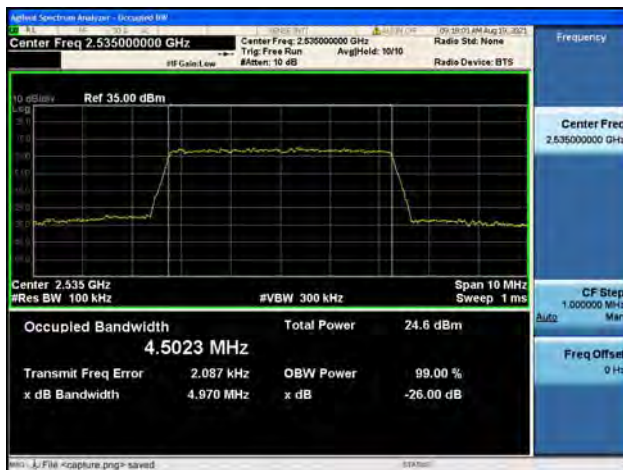
Band7 / 5MHz / Low CH / 64QAM



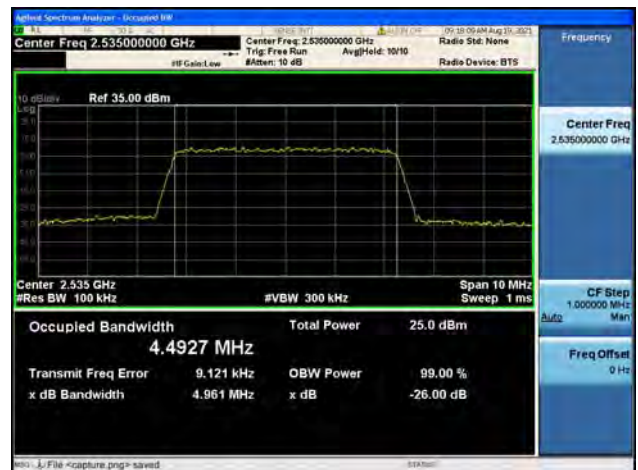
Band7 / 5MHz / Mid CH / QPSK



Band7 / 5MHz / Mid CH / 16QAM

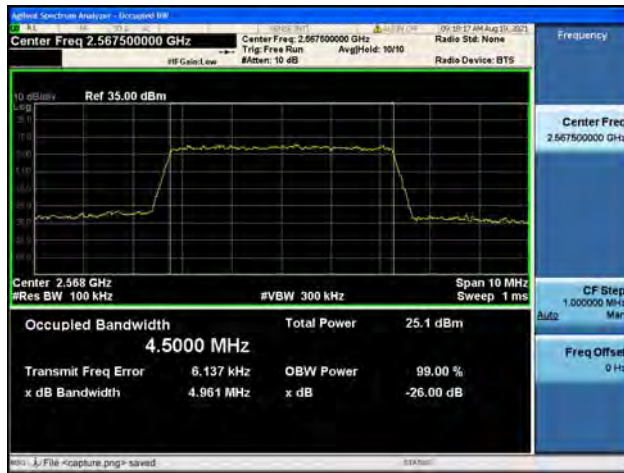


Band7 / 5MHz / Mid CH / 64QAM

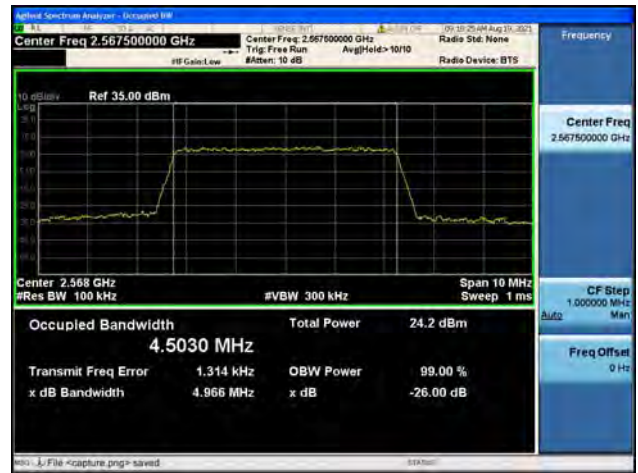




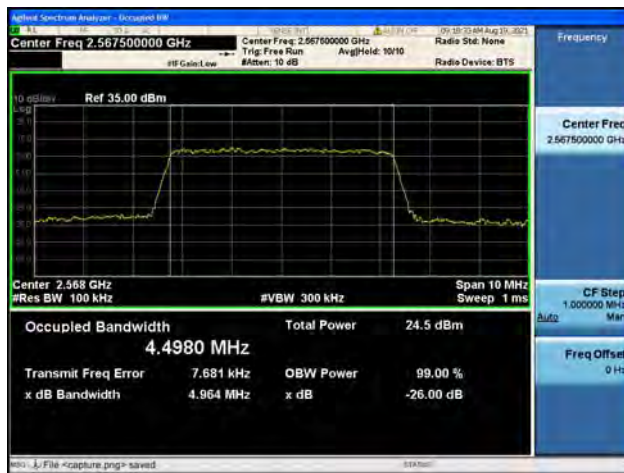
Band7 / 5MHz / High CH / QPSK



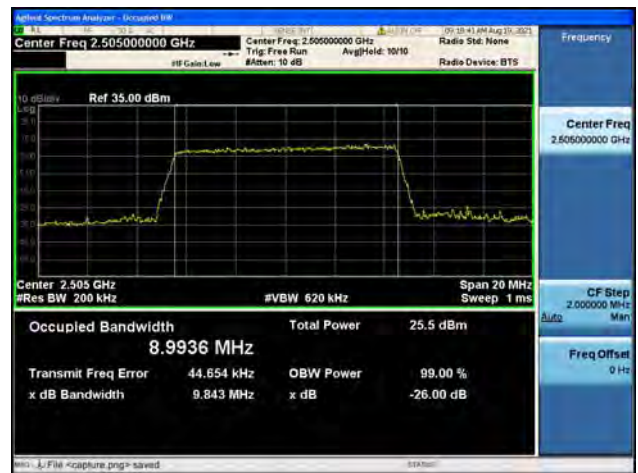
Band7 / 5MHz / High CH / 16QAM



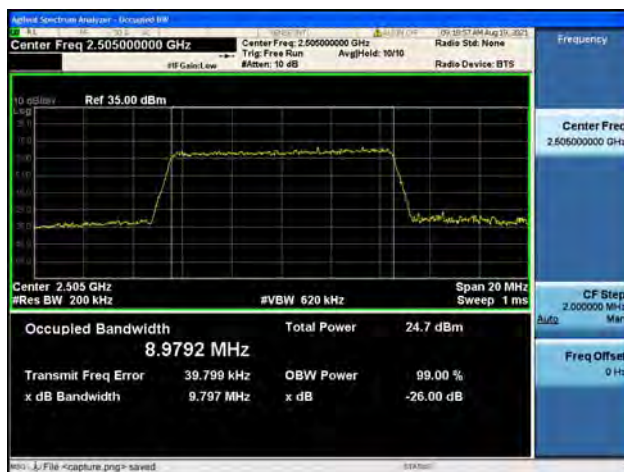
Band7 / 5MHz / High CH / 64QAM



Band7 / 10MHz / Low CH / QPSK



Band7 / 10MHz / Low CH / 16QAM

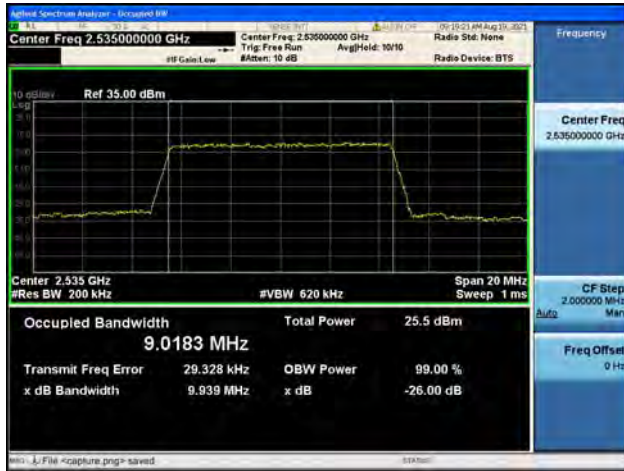


Band7 / 10MHz / Low CH / 64QAM

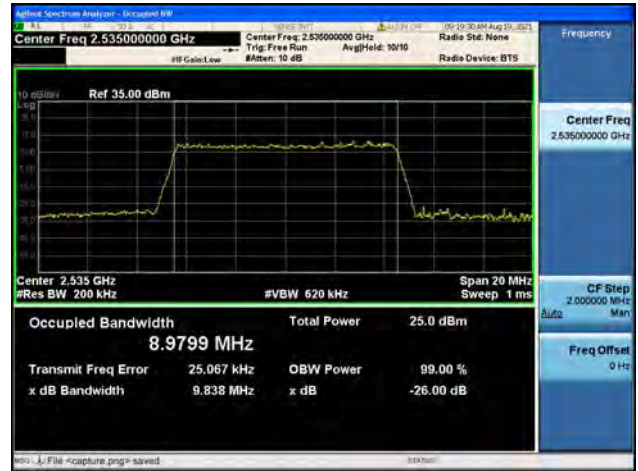




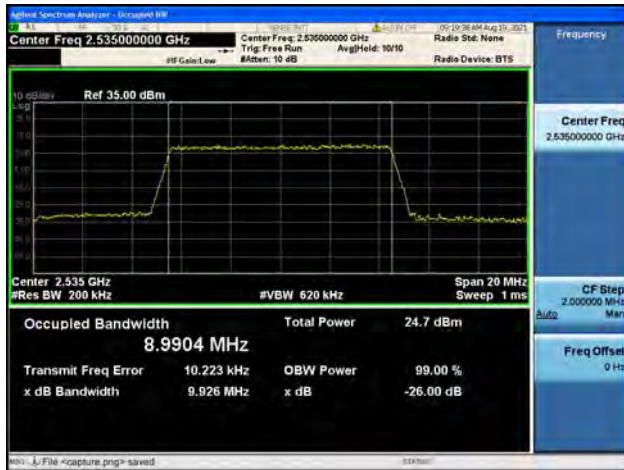
Band7 / 10MHz / Mid CH / QPSK



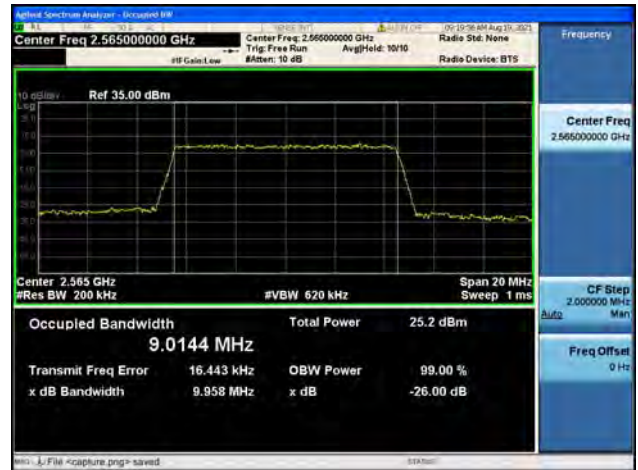
Band7 / 10MHz / Mid CH / 16QAM



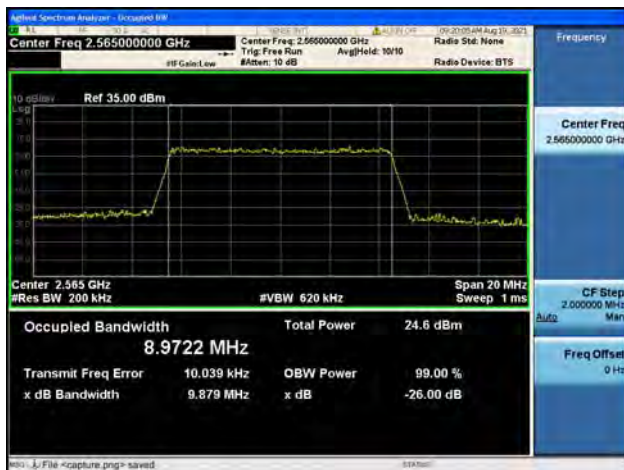
Band7 / 10MHz / Mid CH / 64QAM



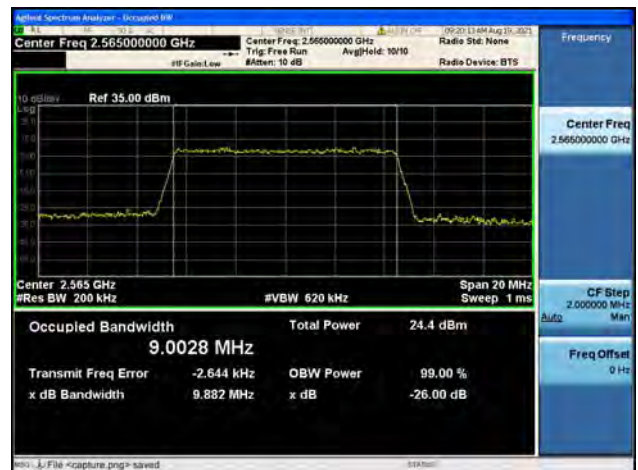
Band7 / 10MHz / High CH / QPSK



Band7 / 10MHz / High CH / 16QAM

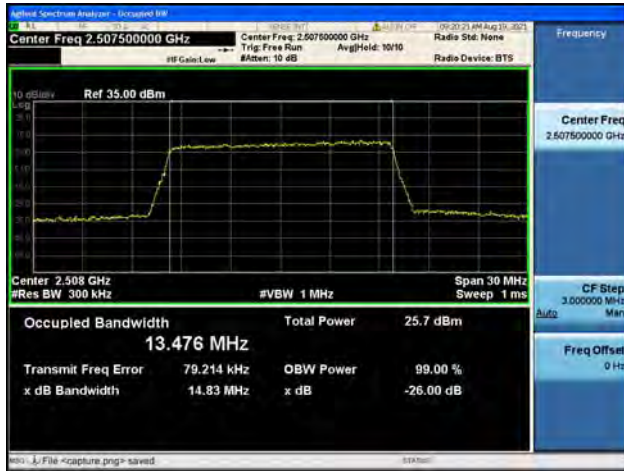


Band7 / 10MHz / High CH / 64QAM

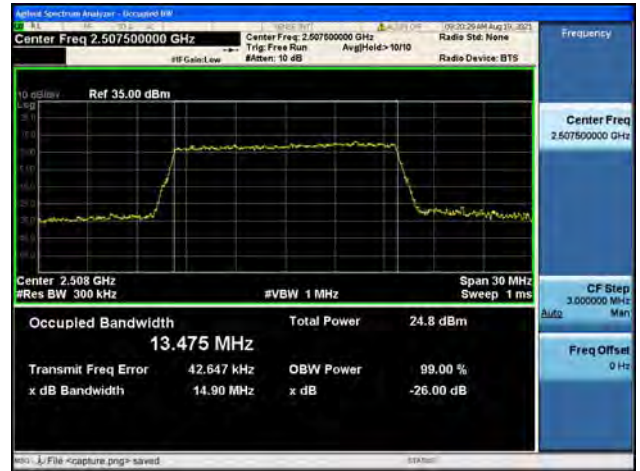




Band7 / 15MHz / Low CH / QPSK



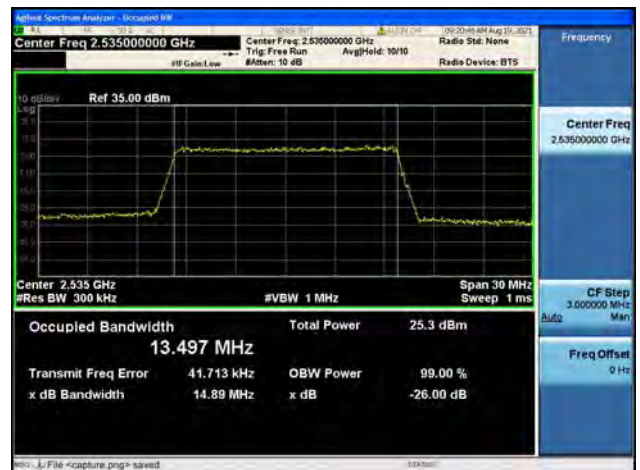
Band7 / 15MHz / Low CH / 16QAM



Band7 / 15MHz / Low CH / 64QAM



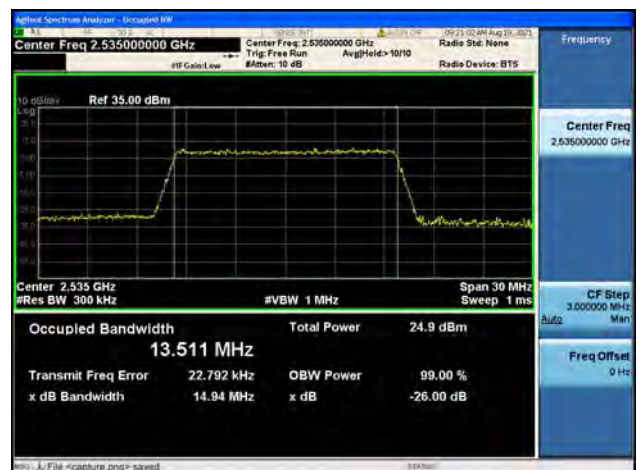
Band7 / 15MHz / Mid CH / QPSK



Band7 / 15MHz / Mid CH / 16QAM

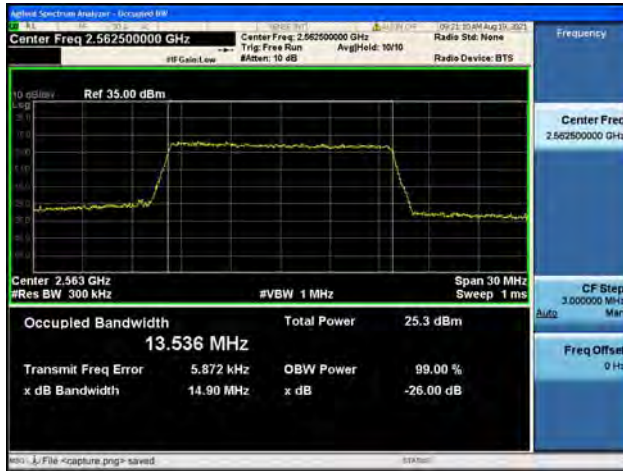


Band7 / 15MHz / Mid CH / 64QAM

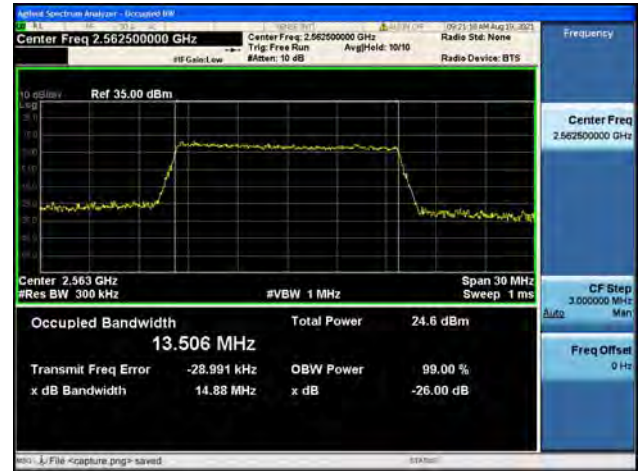




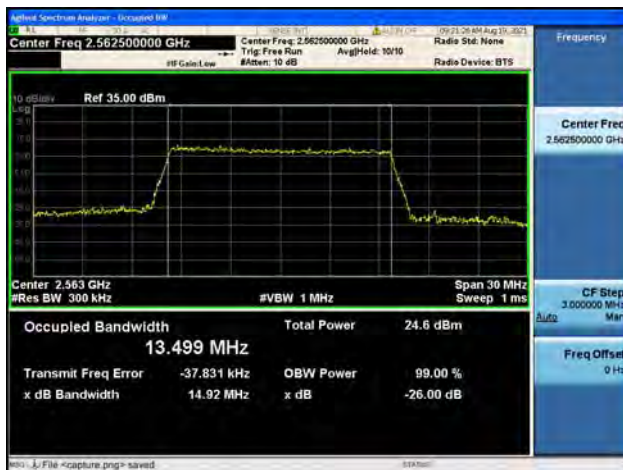
Band7 / 15MHz / High CH / QPSK



Band7 / 15MHz / High CH / 16QAM



Band7 / 15MHz / High CH / 64QAM



Band7 / 20MHz / Low CH / QPSK



Band7 / 20MHz / Low CH / 16QAM



Band7 / 20MHz / Low CH / 64QAM

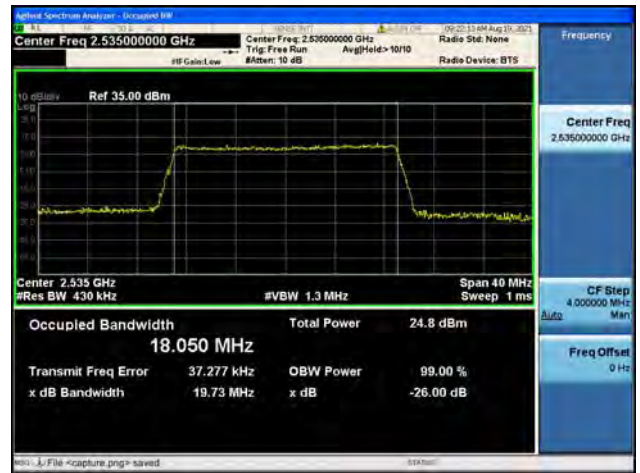




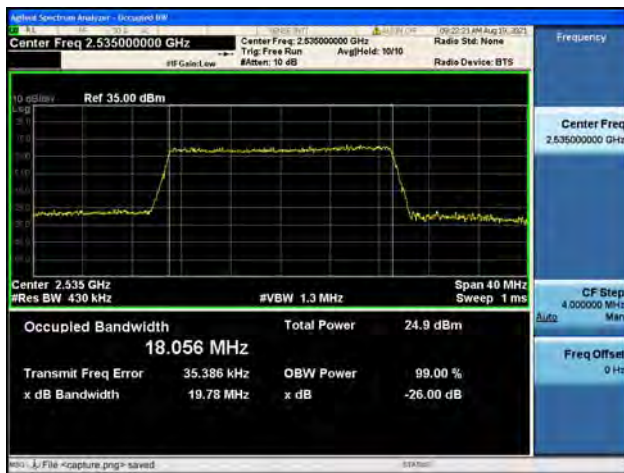
Band7 / 20MHz / Mid CH / QPSK



Band7 / 20MHz / Mid CH / 16QAM



Band7 / 20MHz / Mid CH / 64QAM



Band7 / 20MHz / High CH / QPSK



Band7 / 20MHz / High CH / 16QAM



Band7 / 20MHz / High CH / 64QAM





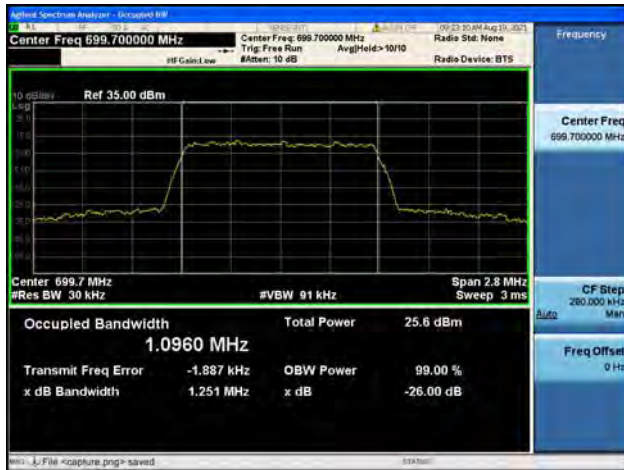
Band12 / 1.4MHz / Low CH / QPSK



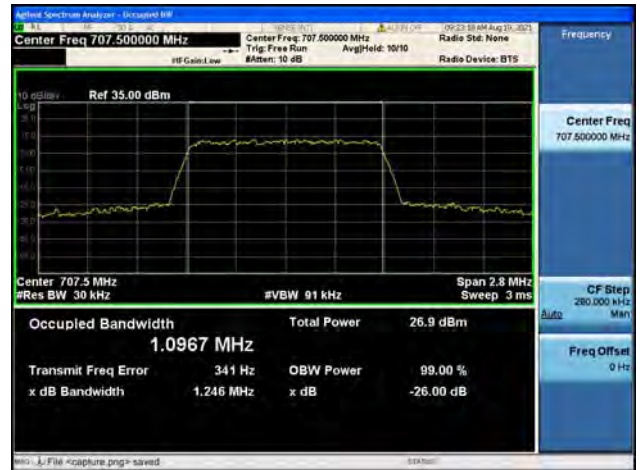
Band12 / 1.4MHz / Low CH / 16QAM



Band12 / 1.4MHz / Low CH / 64QAM



Band12 / 1.4MHz / Mid CH / QPSK



Band12 / 1.4MHz / Mid CH / 16QAM

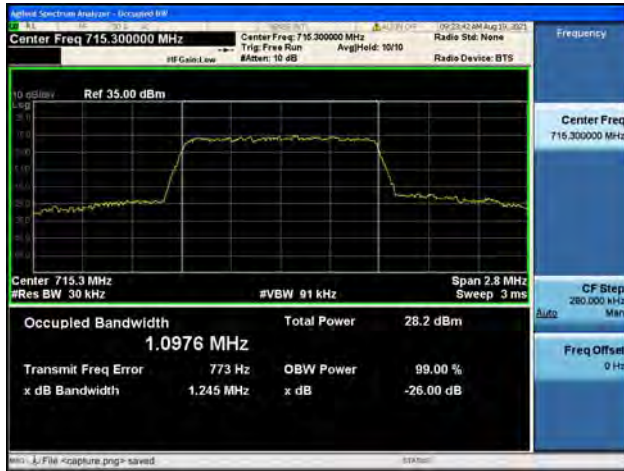


Band12 / 1.4MHz / Mid CH / 64QAM

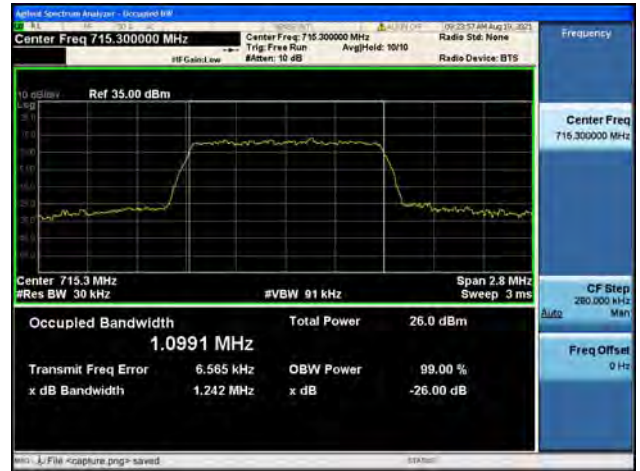




Band12 / 1.4MHz / High CH / QPSK



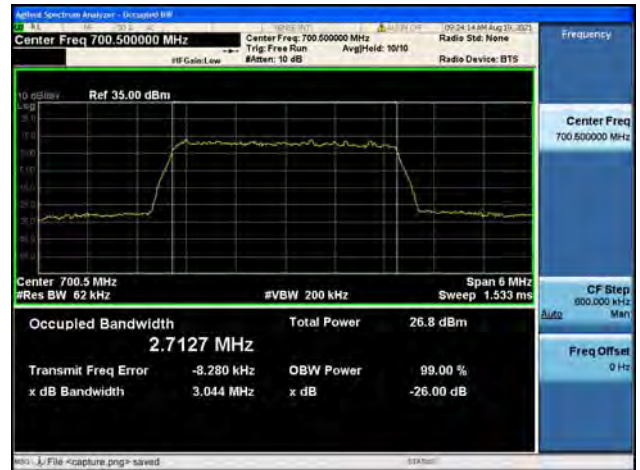
Band12 / 1.4MHz / High CH / 16QAM



Band12 / 1.4MHz / High CH / 64QAM



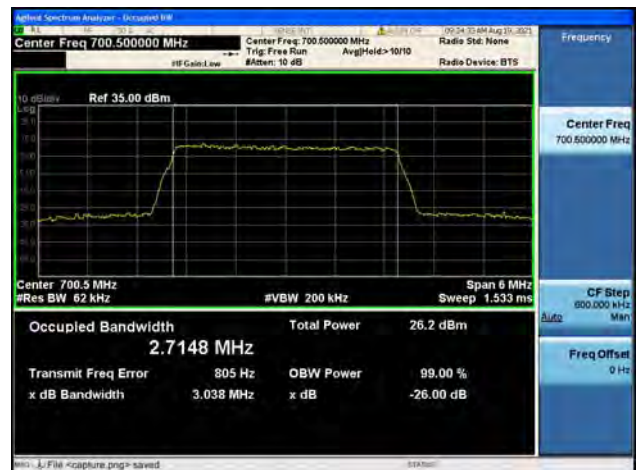
Band12 / 3MHz / Low CH / QPSK



Band12 / 3MHz / Low CH / 16QAM

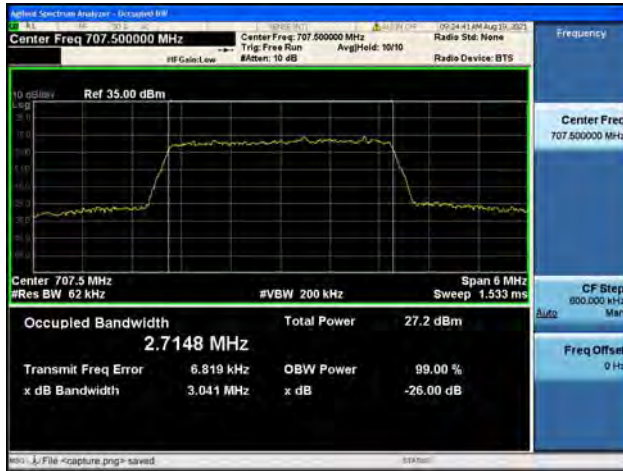


Band12 / 3MHz / Low CH / 64QAM

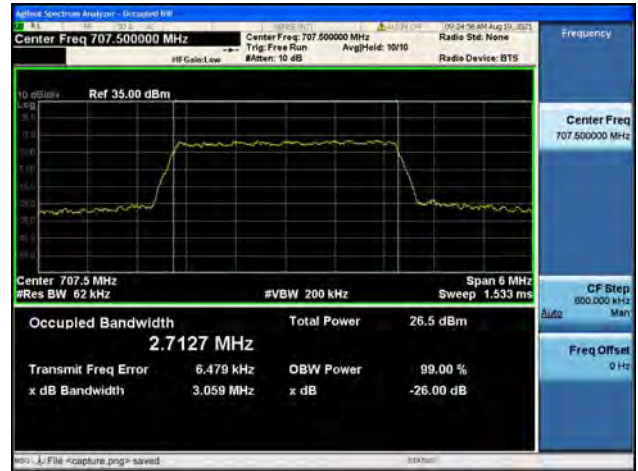




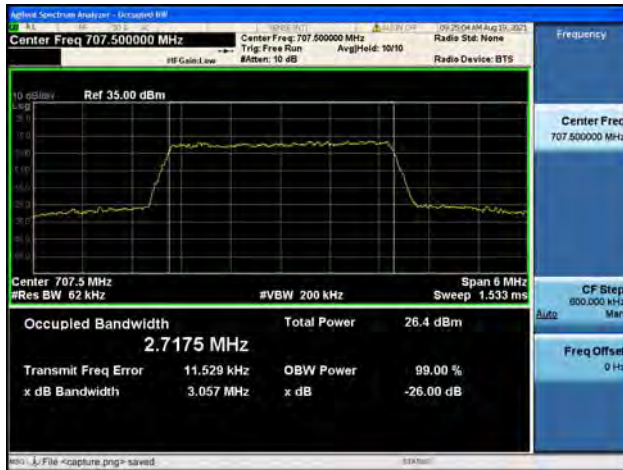
Band12 / 3MHz / Mid CH / QPSK



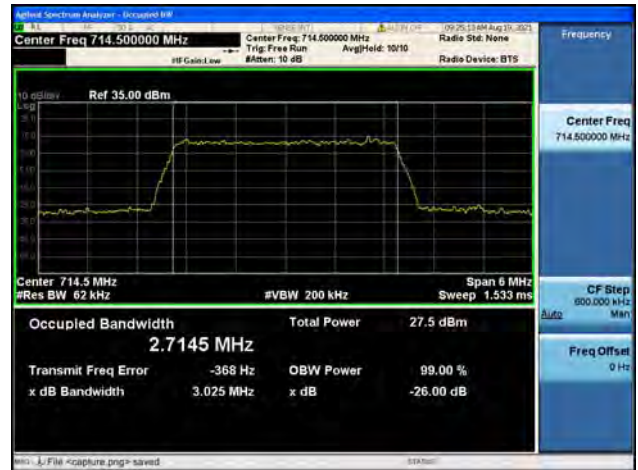
Band12 / 3MHz / Mid CH / 16QAM



Band12 / 3MHz / Mid CH / 64QAM



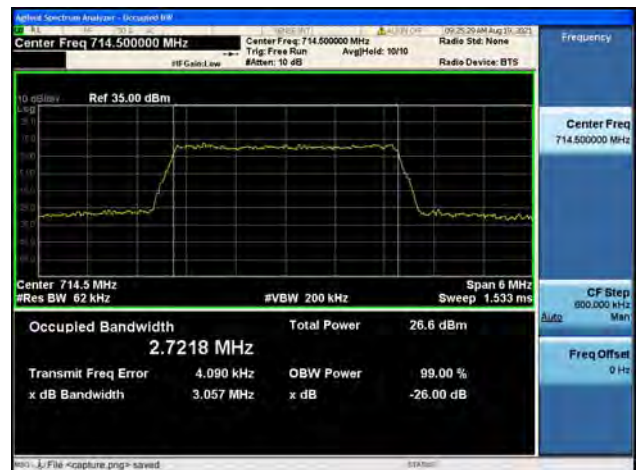
Band12 / 3MHz / High CH / QPSK



Band12 / 3MHz / High CH / 16QAM



Band12 / 3MHz / High CH / 64QAM





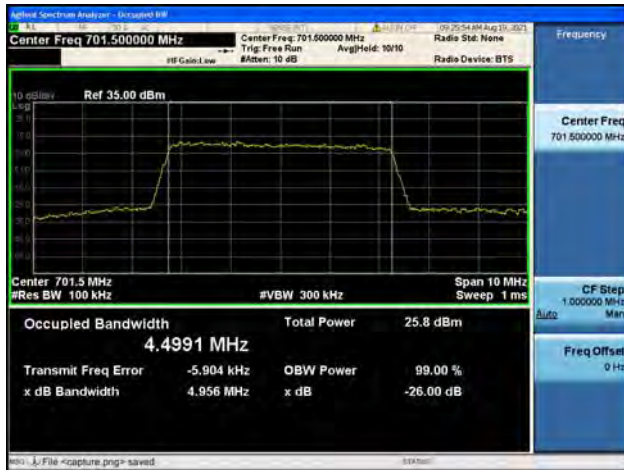
Band12 / 5MHz / Low CH / QPSK



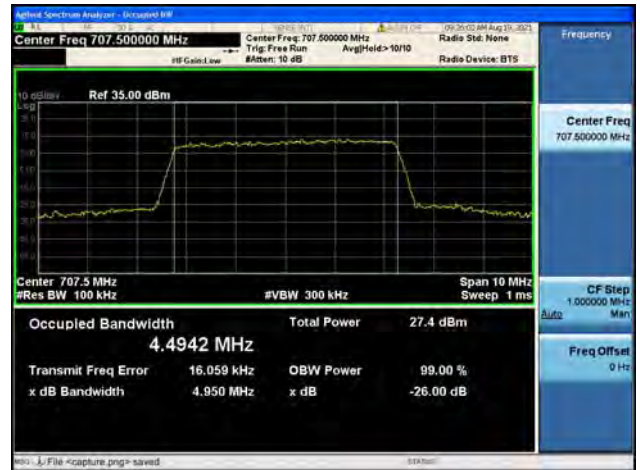
Band12 / 5MHz / Low CH / 16QAM



Band12 / 5MHz / Low CH / 64QAM



Band12 / 5MHz / Mid CH / QPSK



Band12 / 5MHz / Mid CH / 16QAM

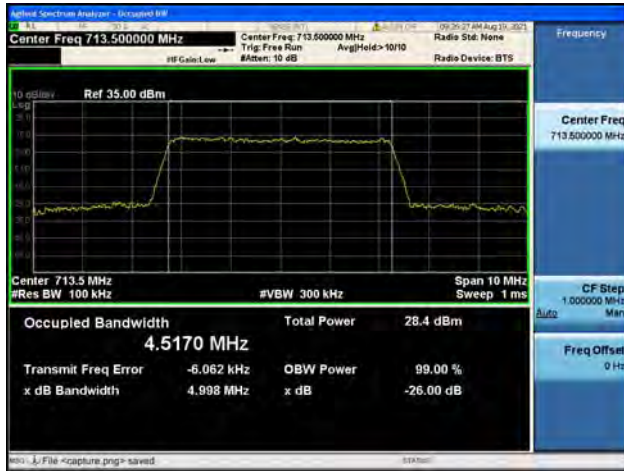


Band12 / 5MHz / Mid CH / 64QAM





Band12 / 5MHz / High CH / QPSK



Band12 / 5MHz / High CH / 16QAM



Band12 / 5MHz / High CH / 64QAM



Band12 / 10MHz / Low CH / QPSK



Band12 / 10MHz / Low CH / 16QAM

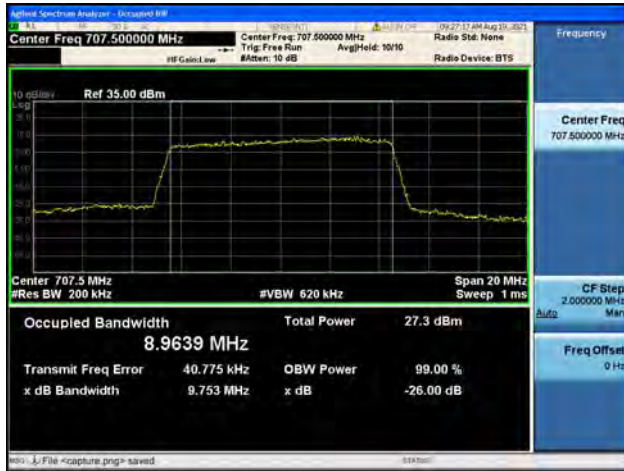


Band12 / 10MHz / Low CH / 64QAM

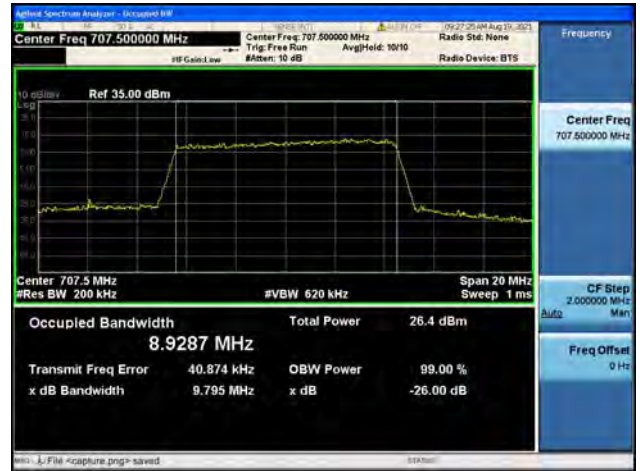




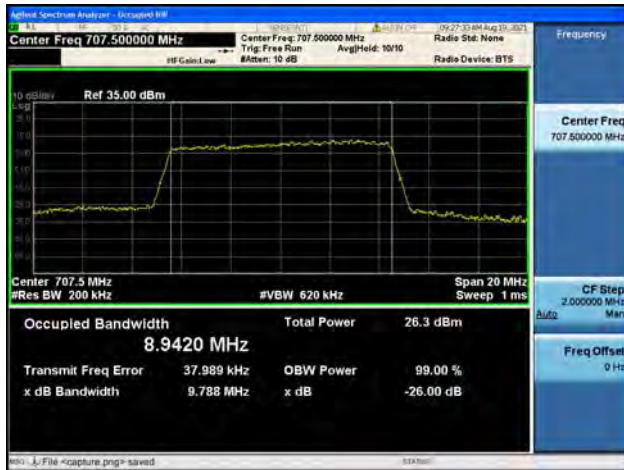
Band12 / 10MHz / Mid CH / QPSK



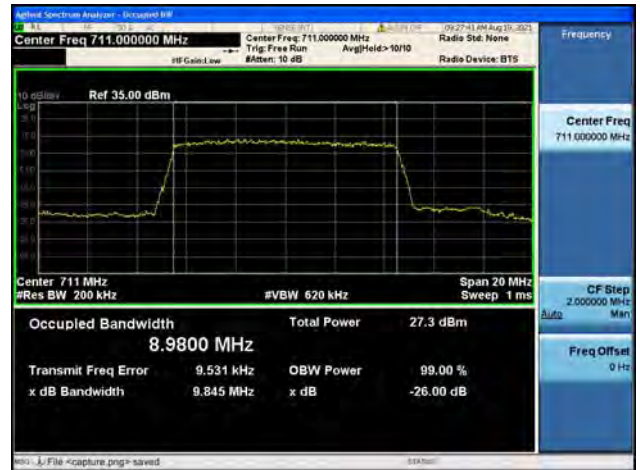
Band12 / 10MHz / Mid CH / 16QAM



Band12 / 10MHz / Mid CH / 64QAM



Band12 / 10MHz / High CH / QPSK



Band12 / 10MHz / High CH / 16QAM

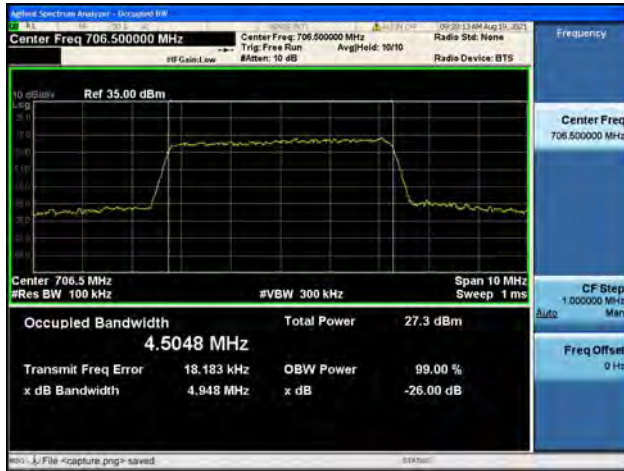


Band12 / 10MHz / High CH / 64QAM





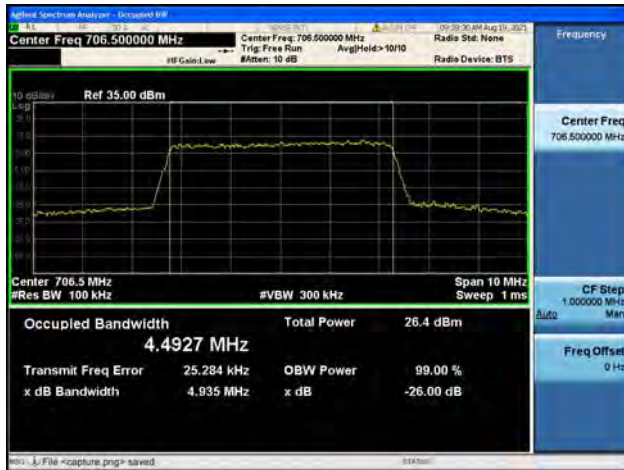
Band17 / 5MHz / Low CH / QPSK



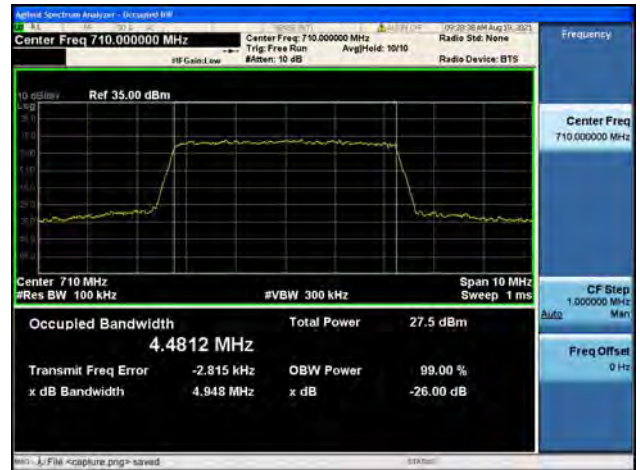
Band17 / 5MHz / Low CH / 16QAM



Band17 / 5MHz / Low CH / 64QAM



Band17 / 5MHz / Mid CH / QPSK



Band17 / 5MHz / Mid CH / 16QAM

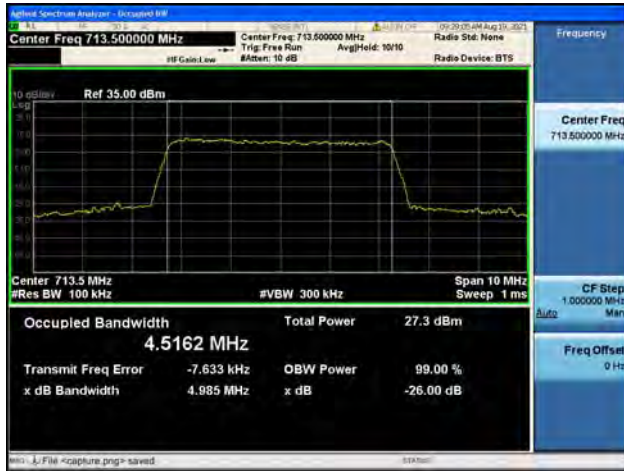


Band17 / 5MHz / Mid CH / 64QAM





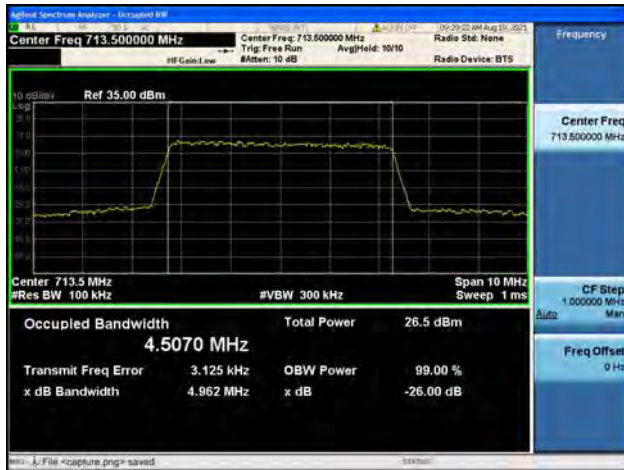
Band17 / 5MHz / High CH / QPSK



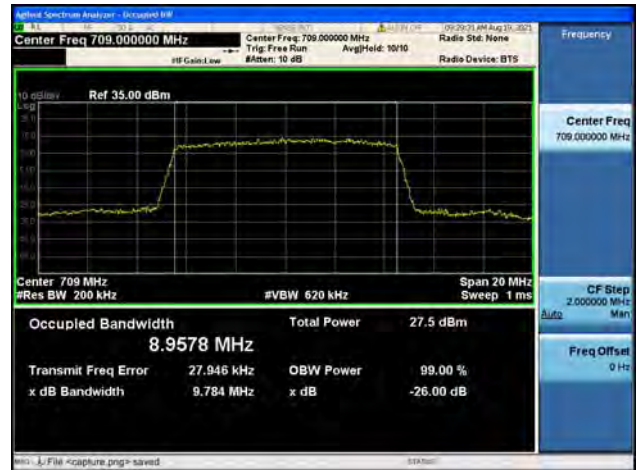
Band17 / 5MHz / High CH / 16QAM



Band17 / 5MHz / High CH / 64QAM



Band17 / 10MHz / Low CH / QPSK



Band17 / 10MHz / Low CH / 16QAM

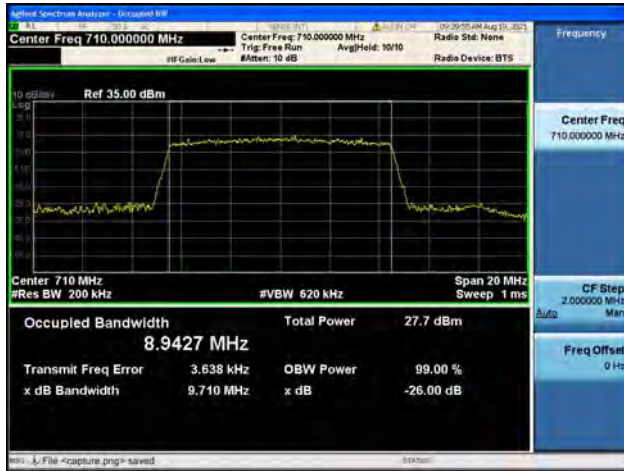


Band17 / 10MHz / Low CH / 64QAM

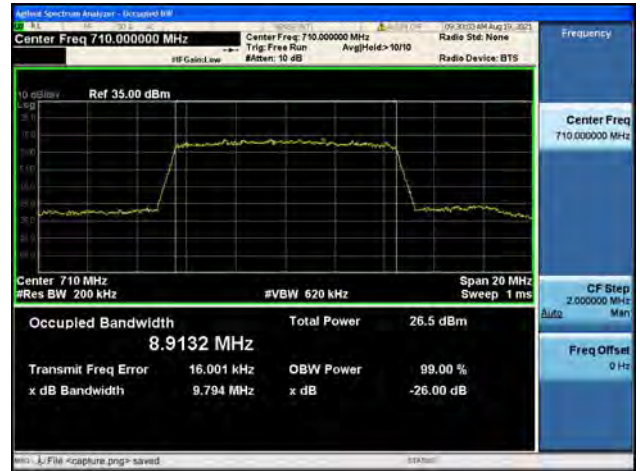




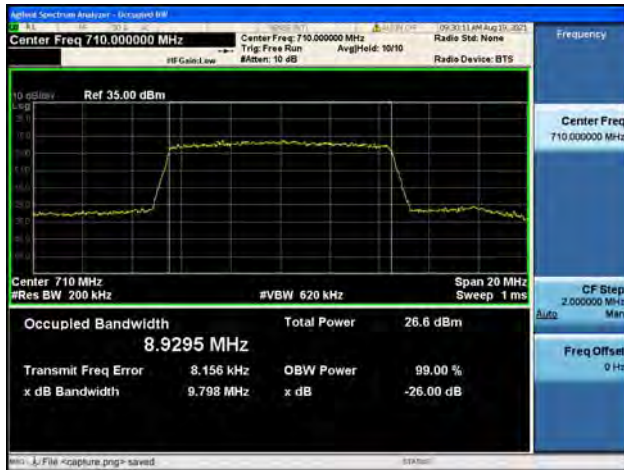
Band17 / 10MHz / Mid CH / QPSK



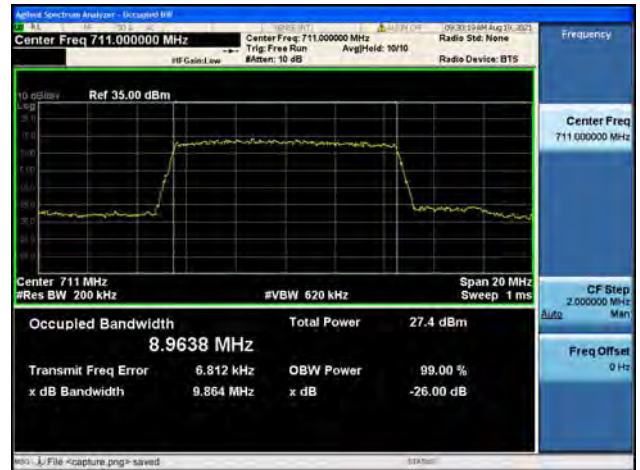
Band17 / 10MHz / Mid CH / 16QAM



Band17 / 10MHz / Mid CH / 64QAM



Band17 / 10MHz / High CH / QPSK



Band17 / 10MHz / High CH / 16QAM



Band17 / 10MHz / High CH / 64QAM



