



TEST REPORT

APPLICANT : BLU Products, Inc.

PRODUCT NAME : Tablet

MODEL NAME : M8L PLUS

BRAND NAME : BLU

FCC ID : YHLBLUM8LP

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

RECEIPT DATE : 2021-06-02

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Change History		
Version	Date	Reason for change
1.0	2021-07-20	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.:	4#	
Hardware Version:	E863C_V3.0	
Software Version:	BLU_M0210WW_V11.0.G.02.05-GENERIC_02-07-2021	
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	0.51dBi
	LTE Band 4	0.51dBi
	LTE Band 5	0.18dBi
	LTE Band 7	0.56dBi
	LTE Band 12	0.32dBi
	LTE Band 17	0.32dBi
	LTE Band 66	0.51dBi
Accessory Information:	Battery	
	Brand Name:	BLU
	Model No.:	C1021003430P
	Serial No.:	N/A
	Capacity:	4300.00mAh
	Rated Voltage:	3.8V
	Charge Limit:	4.35V
	Manufacturer:	Dongguan Andefeng Battery Co., Ltd.
	AC Adapter	
	Brand Name:	BLU
	Model No.:	US-SJ-1500
	Serial No.:	N/A
	Rated Output:	5V \pm 1500mA
	Rated Input:	100-240V \sim 50/60Hz, 0.3A
	Manufacturer:	Shenzhen Bajunda Electronic 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	0.193	0.178	0.160	18M0G7D	18M0W7D	18M0W7D
15	0.188	0.176	0.158	13M5G7D	13M5W7D	13M5W7D
10	0.187	0.175	0.157	9M04G7D	8M98W7D	9M01W7D
5	0.184	0.172	0.155	4M51G7D	4M51W7D	4M50W7D
3	0.182	0.171	0.153	2M72G7D	2M71W7D	2M72W7D
1.4	0.183	0.169	0.151	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	0.177	0.161	0.143	18M0G7D	18M0W7D	18M0W7D
15	0.174	0.159	0.152	13M5G7D	13M5W7D	13M5W7D
10	0.174	0.157	0.151	9M02G7D	8M99W7D	9M00W7D
5	0.173	0.155	0.149	4M50G7D	4M51W7D	4M49W7D
3	0.171	0.153	0.147	2M72G7D	2M72W7D	2M73W7D
1.4	0.169	0.151	0.146	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	0.104	0.099	0.081	9M02G7D	8M98W7D	9M00W7D
5	0.102	0.097	0.080	4M50G7D	4M50W7D	4M50W7D
3	0.100	0.095	0.079	2M72G7D	2M72W7D	2M73W7D
1.4	0.098	0.094	0.077	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	0.181	0.157	0.150	18M0G7D	18M0W7D	18M0W7D
15	0.179	0.156	0.148	13M5G7D	13M5W7D	13M5W7D
10	0.173	0.155	0.147	9M03G7D	8M98W7D	9M00W7D
5	0.172	0.152	0.145	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	0.105	0.094	0.085	9M04G7D	9M00W7D	9M02W7D
5	0.103	0.092	0.084	4M51G7D	4M50W7D	4M50W7D
3	0.101	0.091	0.082	2M72G7D	2M72W7D	2M72W7D
1.4	0.100	0.090	0.081	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	0.105	0.094	0.087	9M05G7D	9M01W7D	9M01W7D	
5	0.102	0.092	0.086	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	0.151	0.136	0.113	18M0G7D	18M0W7D	18M0W7D	
15	0.150	0.134	0.112	13M5G7D	13M5W7D	13M5W7D	
10	0.147	0.133	0.111	9M02G7D	9M02W7D	9M02W7D	
5	0.145	0.131	0.109	4M51G7D	4M51W7D	4M51W7D	
3	0.145	0.130	0.108	2M71G7D	2M72W7D	2M71W7D	
1.4	0.143	0.129	0.107	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.	Jul 13, 2021	Liang Yumei Yang Jie	PASS	No deviation
2.1049	Occupied Bandwidth	Jun 11&15, 2021	Ling Keye	PASS	No deviation
2.1055 22.355 24.235 27.54	Frequency Stability	Jun 22, 2021	Ling Keye	PASS	No deviation
24.232(d), 27.50(d)(5)	Peak to Average Ratio	Jun 11&15, 2021	Ling Keye	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(g) 27.53(h) 27.53(m)(4)	Conducted Spurious Emissions	Jun 11&15&17, 2021	Ling Keye	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(g)	Band Edge	Jun 11&15&17, 2021	Ling Keye	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	Jul 01&02, 2021	Gao Jianrou	PASS	No deviation

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

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

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

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

1.5. Environmental Conditions

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

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



2.47 CFR Part 2, Part 22H, Part 24E, Part 27 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.

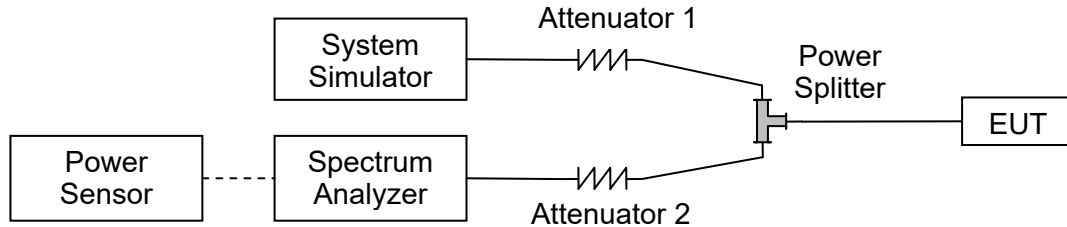
According to FCC section 27.50 (d)(4) for LTE Band 4/66, Fixed, mobile and portable (hand-held) stations in the 1710-1755MHz band are limited to 1wat E.I.R.P.

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.

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

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



2.1.4. Result

Conducted Output Power:

LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18700	18900	19100
Frequency (MHz)				1860	1880	1900
20	QPSK	1	0	22.26	22.35	22.15
20	QPSK	1	49	22.22	22.28	22.08
20	QPSK	1	99	22.11	22.24	22.01
20	QPSK	50	0	21.13	21.16	21.16
20	QPSK	50	24	21.12	21.16	21.03
20	QPSK	50	50	21.11	21.10	21.14
20	QPSK	100	0	20.92	20.72	20.94
20	16QAM	1	0	21.99	21.66	21.87
20	16QAM	1	49	21.88	21.62	21.68
20	16QAM	1	99	21.75	21.58	21.77
20	16QAM	50	0	20.22	20.11	20.44
20	16QAM	50	24	20.21	20.08	20.40
20	16QAM	50	50	20.17	19.97	20.31
20	16QAM	100	0	19.91	19.91	20.20
20	64QAM	1	0	21.52	21.07	21.37
20	64QAM	1	49	21.11	21.10	21.10
20	64QAM	1	99	21.42	21.13	21.24
20	64QAM	50	0	20.32	20.21	20.55
20	64QAM	50	24	20.31	20.19	20.45
20	64QAM	50	50	20.22	20.09	20.45
20	64QAM	100	0	20.19	20.01	20.48



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18675	18900	19125
Frequency (MHz)				1857.5	1880	1902.5
15	QPSK	1	0	22.13	22.03	21.94
15	QPSK	1	37	22.18	22.24	22.04
15	QPSK	1	74	22.07	22.20	21.97
15	QPSK	36	0	21.09	21.12	21.12
15	QPSK	36	20	21.08	21.12	20.99
15	QPSK	36	39	21.07	21.06	21.10
15	QPSK	75	0	20.88	20.68	20.90
15	16QAM	1	0	21.95	21.62	21.83
15	16QAM	1	37	21.84	21.58	21.64
15	16QAM	1	74	21.71	21.54	21.73
15	16QAM	36	0	20.18	20.07	20.40
15	16QAM	36	20	20.17	20.04	20.36
15	16QAM	36	39	20.13	19.93	20.27
15	16QAM	75	0	19.87	19.87	20.16
15	64QAM	1	0	21.48	21.03	21.33
15	64QAM	1	37	21.07	21.22	21.12
15	64QAM	1	74	21.38	21.09	21.20
15	64QAM	36	0	20.28	20.17	20.51
15	64QAM	36	20	20.27	20.15	20.41
15	64QAM	36	39	20.18	20.05	20.41
15	64QAM	75	0	20.15	19.97	20.44



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18650	18900	19150
Frequency (MHz)				1855	1880	1905
10	QPSK	1	0	22.04	22.01	21.91
10	QPSK	1	25	22.14	22.20	22.00
10	QPSK	1	49	22.03	22.16	21.93
10	QPSK	25	0	21.05	21.08	21.08
10	QPSK	25	12	21.04	21.08	20.95
10	QPSK	25	25	21.03	21.02	21.06
10	QPSK	50	0	20.84	20.64	20.86
10	16QAM	1	0	21.91	21.58	21.79
10	16QAM	1	25	21.80	21.54	21.60
10	16QAM	1	49	21.67	21.50	21.69
10	16QAM	25	0	20.14	20.03	20.36
10	16QAM	25	12	20.13	20.00	20.32
10	16QAM	25	25	20.09	19.89	20.23
10	16QAM	50	0	19.83	19.83	20.12
10	64QAM	1	0	21.44	20.99	21.29
10	64QAM	1	25	21.03	21.18	21.08
10	64QAM	1	49	21.34	21.05	21.16
10	64QAM	25	0	20.24	20.13	20.47
10	64QAM	25	12	20.23	20.11	20.37
10	64QAM	25	25	20.14	20.01	20.37
10	64QAM	50	0	20.11	19.93	20.40



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18625	18900	19175
Frequency (MHz)				1852.5	1880	1907.5
5	QPSK	1	0	22.10	22.04	21.95
5	QPSK	1	12	22.08	22.14	21.94
5	QPSK	1	24	21.97	22.10	21.87
5	QPSK	12	0	20.99	21.02	21.02
5	QPSK	12	7	20.98	21.02	20.89
5	QPSK	12	13	20.97	20.96	21.00
5	QPSK	25	0	20.78	20.58	20.80
5	16QAM	1	0	21.85	21.52	21.73
5	16QAM	1	12	21.74	21.48	21.54
5	16QAM	1	24	21.61	21.44	21.63
5	16QAM	12	0	20.08	19.97	20.30
5	16QAM	12	7	20.07	19.94	20.26
5	16QAM	12	13	20.03	19.83	20.17
5	16QAM	25	0	19.77	19.77	20.06
5	64QAM	1	0	21.38	20.93	21.23
5	64QAM	1	12	20.97	21.12	21.02
5	64QAM	1	24	21.28	20.99	21.10
5	64QAM	12	0	20.18	20.07	20.41
5	64QAM	12	7	20.17	20.05	20.31
5	64QAM	12	13	20.08	19.95	20.31
5	64QAM	25	0	20.05	19.87	20.34



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18615	18900	19185
Frequency (MHz)				1851.5	1880	1908.5
3	QPSK	1	0	22.09	21.97	22.01
3	QPSK	1	8	22.04	22.10	21.90
3	QPSK	1	14	21.93	22.06	21.83
3	QPSK	8	0	20.95	20.98	20.98
3	QPSK	8	4	20.94	20.98	20.85
3	QPSK	8	7	20.93	20.92	20.96
3	QPSK	15	0	20.74	20.54	20.76
3	16QAM	1	0	21.81	21.48	21.69
3	16QAM	1	8	21.70	21.44	21.50
3	16QAM	1	14	21.57	21.40	21.59
3	16QAM	8	0	20.04	19.93	20.26
3	16QAM	8	4	20.03	19.90	20.22
3	16QAM	8	7	19.99	19.79	20.13
3	16QAM	15	0	19.73	19.73	20.02
3	64QAM	1	0	21.34	20.89	21.19
3	64QAM	1	8	20.93	21.08	20.98
3	64QAM	1	14	21.24	20.95	21.06
3	64QAM	8	0	20.14	20.03	20.37
3	64QAM	8	4	20.13	20.01	20.27
3	64QAM	8	7	20.04	19.91	20.27
3	64QAM	15	0	20.01	19.83	20.30



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18607	18900	19193
Frequency (MHz)				1850.7	1880	1909.3
1.4	QPSK	1	0	22.03	22.12	21.92
1.4	QPSK	1	3	21.99	22.05	21.85
1.4	QPSK	1	5	21.88	22.01	21.78
1.4	QPSK	3	0	20.90	20.93	20.93
1.4	QPSK	3	1	20.89	20.93	20.80
1.4	QPSK	3	3	20.88	20.87	20.91
1.4	QPSK	6	0	20.69	20.49	20.71
1.4	16QAM	1	0	21.76	21.43	21.64
1.4	16QAM	1	3	21.65	21.39	21.45
1.4	16QAM	1	5	21.52	21.35	21.54
1.4	16QAM	3	0	20.07	19.88	20.21
1.4	16QAM	3	1	19.98	19.85	20.17
1.4	16QAM	3	3	19.91	19.74	20.08
1.4	16QAM	6	0	19.68	19.68	19.97
1.4	64QAM	1	0	21.29	20.84	21.14
1.4	64QAM	1	3	20.88	21.03	20.93
1.4	64QAM	1	5	21.19	20.90	21.01
1.4	64QAM	3	0	20.09	19.98	20.32
1.4	64QAM	3	1	20.08	19.96	20.24
1.4	64QAM	3	3	19.99	19.86	20.21
1.4	64QAM	6	0	19.96	19.78	20.20



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	21.86	21.98	21.82
20	QPSK	1	49	21.68	21.90	21.76
20	QPSK	1	99	21.65	21.82	21.79
20	QPSK	50	0	20.73	21.07	20.92
20	QPSK	50	24	20.65	21.02	20.89
20	QPSK	50	50	20.59	21.00	20.72
20	QPSK	100	0	20.57	20.97	20.66
20	16QAM	1	0	21.49	21.55	21.53
20	16QAM	1	49	21.41	21.39	21.50
20	16QAM	1	99	21.40	21.35	21.44
20	16QAM	50	0	18.91	18.92	19.25
20	16QAM	50	24	18.88	18.87	19.20
20	16QAM	50	50	18.83	18.86	19.05
20	16QAM	100	0	18.69	18.82	18.87
20	64QAM	1	0	21.02	21.03	21.05
20	64QAM	1	49	21.04	21.02	21.00
20	64QAM	1	99	20.90	20.93	20.98
20	64QAM	50	0	18.86	18.89	19.24
20	64QAM	50	24	18.81	18.88	19.17
20	64QAM	50	50	18.79	18.86	19.08
20	64QAM	100	0	18.70	18.80	18.87



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	21.63	21.90	21.77
15	QPSK	1	37	21.63	21.80	21.71
15	QPSK	1	74	21.60	21.77	21.74
15	QPSK	36	0	20.68	21.02	20.87
15	QPSK	36	20	20.60	20.97	20.84
15	QPSK	36	39	20.54	20.95	20.67
15	QPSK	75	0	20.52	20.92	20.61
15	16QAM	1	0	21.44	21.50	21.48
15	16QAM	1	37	21.36	21.34	21.45
15	16QAM	1	74	21.35	21.30	21.39
15	16QAM	36	0	18.86	18.87	19.20
15	16QAM	36	20	18.83	18.82	19.15
15	16QAM	36	39	18.80	18.82	19.00
15	16QAM	75	0	18.64	18.77	18.82
15	64QAM	1	0	21.05	21.11	21.32
15	64QAM	1	37	20.99	21.00	21.22
15	64QAM	1	74	20.94	21.01	21.13
15	64QAM	36	0	18.81	18.84	19.19
15	64QAM	36	20	18.76	18.83	19.12
15	64QAM	36	39	18.74	18.81	19.03
15	64QAM	75	0	18.65	18.75	18.82



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	21.67	21.89	21.74
10	QPSK	1	25	21.60	21.82	21.68
10	QPSK	1	49	21.57	21.74	21.71
10	QPSK	25	0	20.65	20.99	20.84
10	QPSK	25	12	20.57	20.94	20.81
10	QPSK	25	25	20.51	20.92	20.64
10	QPSK	50	0	20.49	20.89	20.58
10	16QAM	1	0	21.38	21.44	21.42
10	16QAM	1	25	21.30	21.28	21.39
10	16QAM	1	49	21.29	21.24	21.33
10	16QAM	25	0	18.83	18.84	19.17
10	16QAM	25	12	18.80	18.79	19.12
10	16QAM	25	25	18.77	18.70	18.97
10	16QAM	50	0	18.61	18.74	18.79
10	64QAM	1	0	21.02	21.08	21.29
10	64QAM	1	25	20.96	20.97	21.19
10	64QAM	1	49	20.91	20.98	21.10
10	64QAM	25	0	18.78	18.81	19.16
10	64QAM	25	12	18.73	18.80	19.09
10	64QAM	25	25	18.71	18.78	19.00
10	64QAM	50	0	18.62	18.72	18.79



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19975	20175	20375
Frequency (MHz)				1712.5	1732.5	1752.5
5	QPSK	1	0	21.58	21.88	21.67
5	QPSK	1	12	21.53	21.75	21.61
5	QPSK	1	24	21.50	21.67	21.64
5	QPSK	12	0	20.58	20.92	20.77
5	QPSK	12	7	20.50	20.87	20.74
5	QPSK	12	13	20.44	20.85	20.57
5	QPSK	25	0	20.42	20.82	20.51
5	16QAM	1	0	21.33	21.39	21.37
5	16QAM	1	12	21.25	21.23	21.34
5	16QAM	1	24	21.24	21.19	21.28
5	16QAM	12	0	18.76	18.77	19.10
5	16QAM	12	7	18.73	18.72	19.05
5	16QAM	12	13	18.70	18.70	18.90
5	16QAM	25	0	18.54	18.67	18.72
5	64QAM	1	0	20.95	21.01	21.22
5	64QAM	1	12	20.89	20.90	21.12
5	64QAM	1	24	20.84	20.91	21.03
5	64QAM	12	0	18.71	18.74	19.09
5	64QAM	12	7	18.66	18.73	19.02
5	64QAM	12	13	18.64	18.71	18.93
5	64QAM	25	0	18.55	18.65	18.72



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	21.53	21.83	21.62
3	QPSK	1	8	21.48	21.70	21.56
3	QPSK	1	14	21.45	21.62	21.59
3	QPSK	8	0	20.53	20.87	20.72
3	QPSK	8	4	20.45	20.82	20.69
3	QPSK	8	7	20.39	20.80	20.52
3	QPSK	15	0	20.37	20.77	20.46
3	16QAM	1	0	21.27	21.33	21.31
3	16QAM	1	8	21.19	21.17	21.28
3	16QAM	1	14	21.18	21.13	21.22
3	16QAM	8	0	18.71	18.72	19.05
3	16QAM	8	4	18.68	18.67	19.00
3	16QAM	8	7	18.65	18.65	18.85
3	16QAM	15	0	18.49	18.62	18.67
3	64QAM	1	0	20.90	20.96	21.17
3	64QAM	1	8	20.84	20.85	21.07
3	64QAM	1	14	20.79	20.86	20.98
3	64QAM	8	0	18.66	18.69	19.04
3	64QAM	8	4	18.61	18.68	18.97
3	64QAM	8	7	18.59	18.66	18.88
3	64QAM	15	0	18.50	18.60	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				19957	20175	20393
Frequency (MHz)				1710.7	1732.5	1754.3
1.4	QPSK	1	0	21.49	21.78	21.57
1.4	QPSK	1	3	21.43	21.65	21.51
1.4	QPSK	1	5	21.40	21.57	21.54
1.4	QPSK	3	0	20.48	20.82	20.67
1.4	QPSK	3	1	20.40	20.77	20.64
1.4	QPSK	3	3	20.34	20.75	20.47
1.4	QPSK	6	0	20.32	20.72	20.41
1.4	16QAM	1	0	21.22	21.28	21.26
1.4	16QAM	1	3	21.14	21.12	21.23
1.4	16QAM	1	5	21.13	21.08	21.17
1.4	16QAM	3	0	18.66	18.67	19.00
1.4	16QAM	3	1	18.63	18.62	18.95
1.4	16QAM	3	3	18.60	18.60	18.80
1.4	16QAM	6	0	18.44	18.57	18.62
1.4	64QAM	1	0	20.85	20.91	21.12
1.4	64QAM	1	3	20.79	20.80	21.02
1.4	64QAM	1	5	20.74	20.81	20.93
1.4	64QAM	3	0	18.61	18.64	18.99
1.4	64QAM	3	1	18.56	18.63	18.92
1.4	64QAM	3	3	18.54	18.61	18.83
1.4	64QAM	6	0	18.45	18.55	18.62



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	21.90	22.14	21.82
10	QPSK	1	25	21.86	22.07	21.76
10	QPSK	1	49	21.78	22.02	21.71
10	QPSK	25	0	20.90	20.91	20.70
10	QPSK	25	12	20.85	20.81	20.67
10	QPSK	25	25	20.79	20.81	20.68
10	QPSK	50	0	20.66	20.56	20.43
10	16QAM	1	0	21.93	21.61	21.64
10	16QAM	1	25	21.82	21.59	21.58
10	16QAM	1	49	21.78	21.58	21.52
10	16QAM	25	0	20.27	20.46	20.23
10	16QAM	25	12	20.21	20.38	20.11
10	16QAM	25	25	20.11	20.33	20.05
10	16QAM	50	0	20.04	20.09	19.60
10	64QAM	1	0	21.07	21.06	21.08
10	64QAM	1	25	20.99	20.98	20.97
10	64QAM	1	49	20.92	20.83	21.02
10	64QAM	25	0	20.44	20.58	20.32
10	64QAM	25	12	20.35	20.55	20.29
10	64QAM	25	25	20.37	20.46	20.17
10	64QAM	50	0	20.32	20.40	20.10



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	21.82	22.06	21.74
5	QPSK	1	12	21.78	21.99	21.68
5	QPSK	1	24	21.70	21.94	21.63
5	QPSK	12	0	20.83	20.83	20.62
5	QPSK	12	7	20.77	20.73	20.59
5	QPSK	12	13	20.71	20.73	20.60
5	QPSK	25	0	20.58	20.48	20.35
5	16QAM	1	0	21.85	21.47	21.56
5	16QAM	1	12	21.74	21.45	21.50
5	16QAM	1	24	21.70	21.44	21.44
5	16QAM	12	0	20.19	20.38	20.15
5	16QAM	12	7	20.13	20.30	20.03
5	16QAM	12	13	20.03	20.25	19.97
5	16QAM	25	0	19.96	20.01	19.52
5	64QAM	1	0	20.99	20.98	21.00
5	64QAM	1	12	20.91	20.90	20.89
5	64QAM	1	24	20.84	20.75	20.94
5	64QAM	12	0	20.36	20.50	20.24
5	64QAM	12	7	20.27	20.47	20.21
5	64QAM	12	13	20.29	20.38	20.09
5	64QAM	25	0	20.24	20.32	20.02



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	21.74	21.98	21.66
3	QPSK	1	8	21.70	21.91	21.60
3	QPSK	1	14	21.62	21.86	21.55
3	QPSK	8	0	20.75	20.75	20.54
3	QPSK	8	4	20.69	20.65	20.51
3	QPSK	8	7	20.63	20.65	20.52
3	QPSK	15	0	20.50	20.40	20.27
3	16QAM	1	0	21.77	21.39	21.48
3	16QAM	1	8	21.66	21.37	21.42
3	16QAM	1	14	21.62	21.36	21.36
3	16QAM	8	0	20.11	20.30	20.07
3	16QAM	8	4	20.05	20.22	19.95
3	16QAM	8	7	19.95	20.17	19.89
3	16QAM	15	0	19.88	19.93	19.44
3	64QAM	1	0	20.91	20.90	20.92
3	64QAM	1	8	20.83	20.82	20.81
3	64QAM	1	14	20.76	20.67	20.86
3	64QAM	8	0	20.28	20.42	20.16
3	64QAM	8	4	20.19	20.39	20.13
3	64QAM	8	7	20.21	20.30	20.01
3	64QAM	15	0	20.16	20.24	19.94



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	21.66	21.90	21.58
1.4	QPSK	1	3	21.62	21.83	21.52
1.4	QPSK	1	5	21.54	21.78	21.47
1.4	QPSK	3	0	20.67	20.67	20.46
1.4	QPSK	3	1	20.61	20.57	20.43
1.4	QPSK	3	3	20.55	20.57	20.44
1.4	QPSK	6	0	20.42	20.32	20.19
1.4	16QAM	1	0	21.69	21.31	21.40
1.4	16QAM	1	3	21.58	21.29	21.34
1.4	16QAM	1	5	21.54	21.28	21.28
1.4	16QAM	3	0	20.03	20.22	19.99
1.4	16QAM	3	1	19.97	20.14	19.87
1.4	16QAM	3	3	19.87	20.09	19.81
1.4	16QAM	6	0	19.80	19.85	19.36
1.4	64QAM	1	0	20.83	20.82	20.84
1.4	64QAM	1	3	20.75	20.74	20.73
1.4	64QAM	1	5	20.68	20.59	20.78
1.4	64QAM	3	0	20.20	20.34	20.08
1.4	64QAM	3	1	20.11	20.31	20.05
1.4	64QAM	3	3	20.13	20.22	19.93
1.4	64QAM	6	0	20.08	20.16	19.86



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20850	21100	21350
Frequency (MHz)				2510	2535	2560
20	QPSK	1	0	21.80	22.01	21.80
20	QPSK	1	49	21.71	21.94	21.73
20	QPSK	1	99	21.66	21.90	21.63
20	QPSK	50	0	21.51	21.72	21.57
20	QPSK	50	24	21.39	21.67	21.46
20	QPSK	50	50	21.48	21.76	21.38
20	QPSK	100	0	21.44	21.67	21.41
20	16QAM	1	0	21.30	21.41	21.41
20	16QAM	1	49	21.18	21.38	21.36
20	16QAM	1	99	21.23	21.19	21.27
20	16QAM	50	0	20.00	20.01	20.16
20	16QAM	50	24	19.95	19.96	20.12
20	16QAM	50	50	19.97	19.81	19.98
20	16QAM	100	0	19.79	19.86	19.95
20	64QAM	1	0	21.19	21.11	21.15
20	64QAM	1	49	21.13	20.99	21.06
20	64QAM	1	99	21.07	20.89	21.00
20	64QAM	50	0	20.15	20.10	20.55
20	64QAM	50	24	20.07	20.09	20.48
20	64QAM	50	50	20.10	20.06	20.39
20	64QAM	100	0	20.03	19.89	20.21



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20825	21100	21375
Frequency (MHz)				2507.5	2535	2562.5
15	QPSK	1	0	21.72	21.98	21.88
15	QPSK	1	37	21.67	21.90	21.69
15	QPSK	1	74	21.62	21.86	21.59
15	QPSK	36	0	21.27	21.68	21.25
15	QPSK	36	20	21.25	21.63	21.22
15	QPSK	36	39	21.44	21.72	21.34
15	QPSK	75	0	21.40	21.63	21.17
15	16QAM	1	0	21.26	21.37	21.37
15	16QAM	1	37	21.14	21.34	21.32
15	16QAM	1	74	21.19	21.15	21.23
15	16QAM	36	0	19.96	19.97	20.12
15	16QAM	36	20	19.91	19.92	20.08
15	16QAM	36	39	19.93	19.77	19.94
15	16QAM	75	0	19.75	19.82	19.91
15	64QAM	1	0	21.15	21.07	21.11
15	64QAM	1	37	21.09	20.95	21.02
15	64QAM	1	74	21.03	20.85	20.96
15	64QAM	36	0	20.11	20.06	20.51
15	64QAM	36	20	20.03	20.05	20.44
15	64QAM	36	39	20.06	20.02	20.35
15	64QAM	75	0	19.99	19.85	20.17



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20800	21100	21400
Frequency (MHz)				2505	2535	2565
10	QPSK	1	0	21.82	21.76	21.62
10	QPSK	1	25	21.63	21.86	21.65
10	QPSK	1	49	21.58	21.82	21.55
10	QPSK	25	0	21.23	21.64	21.24
10	QPSK	25	12	21.21	21.59	21.20
10	QPSK	25	25	21.40	21.68	21.30
10	QPSK	50	0	21.36	21.59	21.13
10	16QAM	1	0	21.22	21.33	21.33
10	16QAM	1	25	21.10	21.30	21.28
10	16QAM	1	49	21.15	21.11	21.19
10	16QAM	25	0	19.92	19.93	20.08
10	16QAM	25	12	19.87	19.88	20.04
10	16QAM	25	25	19.89	19.73	19.90
10	16QAM	50	0	19.71	19.78	19.87
10	64QAM	1	0	21.11	21.03	21.07
10	64QAM	1	25	21.05	20.91	20.98
10	64QAM	1	49	20.99	20.81	20.92
10	64QAM	25	0	20.07	20.02	20.47
10	64QAM	25	12	19.99	20.01	20.40
10	64QAM	25	25	20.02	19.98	20.31
10	64QAM	50	0	19.95	19.81	20.13



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20775	21100	21425
Frequency (MHz)				2502.5	2535	2567.5
5	QPSK	1	0	21.68	21.62	21.67
5	QPSK	1	12	21.57	21.80	21.59
5	QPSK	1	24	21.52	21.76	21.49
5	QPSK	12	0	21.17	21.58	21.21
5	QPSK	12	7	21.15	21.53	21.15
5	QPSK	12	13	21.34	21.62	21.24
5	QPSK	25	0	21.30	21.53	21.07
5	16QAM	1	0	21.16	21.27	21.27
5	16QAM	1	12	21.04	21.24	21.22
5	16QAM	1	24	21.09	21.05	21.13
5	16QAM	12	0	19.86	19.87	20.02
5	16QAM	12	7	19.81	19.82	19.98
5	16QAM	12	13	19.83	19.67	19.84
5	16QAM	25	0	19.65	19.72	19.81
5	64QAM	1	0	21.05	20.97	21.01
5	64QAM	1	12	20.99	20.85	20.92
5	64QAM	1	24	20.93	20.75	20.86
5	64QAM	12	0	20.01	19.96	20.41
5	64QAM	12	7	19.93	19.95	20.34
5	64QAM	12	13	19.96	19.92	20.25
5	64QAM	25	0	19.89	19.75	20.07



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	21.97	22.03	21.98
10	QPSK	1	25	21.88	21.93	21.87
10	QPSK	1	49	21.77	21.86	21.85
10	QPSK	25	0	20.78	21.10	20.92
10	QPSK	25	12	20.76	21.01	20.82
10	QPSK	25	25	20.72	20.89	20.80
10	QPSK	50	0	20.48	20.83	20.72
10	16QAM	1	0	21.31	21.18	21.56
10	16QAM	1	25	21.22	21.15	21.54
10	16QAM	1	49	21.17	21.10	21.36
10	16QAM	25	0	19.83	20.04	19.95
10	16QAM	25	12	19.72	19.95	19.88
10	16QAM	25	25	19.70	19.99	19.83
10	16QAM	50	0	19.68	19.82	19.75
10	64QAM	1	0	21.12	21.10	21.13
10	64QAM	1	25	21.02	21.03	21.08
10	64QAM	1	49	20.96	20.89	21.00
10	64QAM	25	0	19.83	20.02	19.98
10	64QAM	25	12	19.75	19.95	19.90
10	64QAM	25	25	19.66	19.80	19.76
10	64QAM	50	0	19.51	19.78	19.61



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	21.89	21.95	21.90
5	QPSK	1	12	21.80	21.85	21.79
5	QPSK	1	24	21.69	21.78	21.77
5	QPSK	12	0	20.70	21.02	20.84
5	QPSK	12	7	20.68	20.93	20.74
5	QPSK	12	13	20.64	20.81	20.72
5	QPSK	25	0	20.40	20.75	20.64
5	16QAM	1	0	21.23	21.10	21.48
5	16QAM	1	12	21.14	21.07	21.46
5	16QAM	1	24	21.09	21.02	21.28
5	16QAM	12	0	19.75	19.96	19.87
5	16QAM	12	7	19.64	19.87	19.80
5	16QAM	12	13	19.62	19.91	19.75
5	16QAM	25	0	19.60	19.74	19.67
5	64QAM	1	0	21.04	21.02	21.05
5	64QAM	1	12	20.94	20.95	21.00
5	64QAM	1	24	20.88	20.81	20.92
5	64QAM	12	0	19.75	19.94	19.90
5	64QAM	12	7	19.67	19.87	19.82
5	64QAM	12	13	19.58	19.72	19.68
5	64QAM	25	0	19.43	19.70	19.53



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	21.82	21.88	21.83
3	QPSK	1	8	21.73	21.78	21.72
3	QPSK	1	14	21.62	21.71	21.70
3	QPSK	8	0	20.63	20.95	20.77
3	QPSK	8	4	20.61	20.86	20.67
3	QPSK	8	7	20.57	20.74	20.65
3	QPSK	15	0	20.33	20.68	20.57
3	16QAM	1	0	21.16	21.03	21.41
3	16QAM	1	8	21.07	21.00	21.39
3	16QAM	1	14	21.02	20.95	21.21
3	16QAM	8	0	19.68	19.89	19.80
3	16QAM	8	4	19.57	19.80	19.73
3	16QAM	8	7	19.55	19.84	19.68
3	16QAM	15	0	19.53	19.67	19.60
3	64QAM	1	0	20.97	20.95	20.98
3	64QAM	1	8	20.87	20.88	20.93
3	64QAM	1	14	20.81	20.74	20.85
3	64QAM	8	0	19.68	19.87	19.83
3	64QAM	8	4	19.60	19.80	19.75
3	64QAM	8	7	19.51	19.65	19.61
3	64QAM	15	0	19.36	19.63	19.46



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	21.76	21.82	21.77
1.4	QPSK	1	3	21.67	21.72	21.66
1.4	QPSK	1	5	21.56	21.65	21.64
1.4	QPSK	3	0	20.57	20.89	20.71
1.4	QPSK	3	1	20.55	20.80	20.61
1.4	QPSK	3	3	20.51	20.68	20.59
1.4	QPSK	6	0	20.27	20.62	20.51
1.4	16QAM	1	0	21.10	20.97	21.35
1.4	16QAM	1	3	21.01	20.94	21.33
1.4	16QAM	1	5	20.96	20.89	21.15
1.4	16QAM	3	0	19.62	19.83	19.74
1.4	16QAM	3	1	19.51	19.74	19.67
1.4	16QAM	3	3	19.49	19.78	19.62
1.4	16QAM	6	0	19.47	19.61	19.54
1.4	64QAM	1	0	20.91	20.89	20.92
1.4	64QAM	1	3	20.81	20.82	20.87
1.4	64QAM	1	5	20.75	20.68	20.79
1.4	64QAM	3	0	19.62	19.81	19.77
1.4	64QAM	3	1	19.54	19.74	19.69
1.4	64QAM	3	3	19.45	19.59	19.55
1.4	64QAM	6	0	19.30	19.57	19.40



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	21.77	22.04	21.99
10	QPSK	1	25	21.68	21.95	21.89
10	QPSK	1	49	21.69	21.90	21.78
10	QPSK	25	0	21.07	21.12	20.96
10	QPSK	25	12	21.01	20.93	20.96
10	QPSK	25	25	21.02	20.95	20.94
10	QPSK	50	0	20.71	20.66	20.84
10	16QAM	1	0	21.55	21.41	21.36
10	16QAM	1	25	21.49	21.40	21.35
10	16QAM	1	49	21.35	21.29	21.29
10	16QAM	25	0	20.16	19.83	19.96
10	16QAM	25	12	20.09	19.76	19.92
10	16QAM	25	25	19.99	19.73	19.90
10	16QAM	50	0	19.79	19.62	19.86
10	64QAM	1	0	21.21	21.23	21.14
10	64QAM	1	25	21.09	21.20	21.09
10	64QAM	1	49	21.03	21.14	21.02
10	64QAM	25	0	20.00	19.89	20.02
10	64QAM	25	12	19.97	19.81	19.90
10	64QAM	25	25	19.94	19.76	19.96
10	64QAM	50	0	19.90	19.54	19.75



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	21.71	21.81	21.93
5	QPSK	1	12	21.60	21.87	21.81
5	QPSK	1	24	21.61	21.82	21.70
5	QPSK	12	0	20.99	21.08	20.88
5	QPSK	12	7	20.93	20.85	20.88
5	QPSK	12	13	20.94	20.87	20.86
5	QPSK	25	0	20.63	20.58	20.76
5	16QAM	1	0	21.40	21.47	21.35
5	16QAM	1	12	21.35	21.32	21.27
5	16QAM	1	24	21.27	21.21	21.21
5	16QAM	12	0	20.08	19.75	19.88
5	16QAM	12	7	20.01	19.68	19.84
5	16QAM	12	13	19.91	19.65	19.82
5	16QAM	25	0	19.71	19.54	19.78
5	64QAM	1	0	21.13	21.15	21.06
5	64QAM	1	12	21.01	21.12	21.01
5	64QAM	1	24	20.95	21.06	20.94
5	64QAM	12	0	19.92	19.81	19.94
5	64QAM	12	7	19.87	19.71	19.80
5	64QAM	12	13	19.84	19.66	19.86
5	64QAM	25	0	19.80	19.44	19.65



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	21.00	21.29	21.26
20	QPSK	1	49	20.92	21.18	21.22
20	QPSK	1	99	20.81	21.09	21.13
20	QPSK	50	0	19.99	20.10	20.07
20	QPSK	50	24	19.94	20.01	20.00
20	QPSK	50	50	19.81	19.89	19.86
20	QPSK	100	0	19.79	19.75	19.84
20	16QAM	1	0	20.81	20.65	20.72
20	16QAM	1	49	20.70	20.57	20.72
20	16QAM	1	99	20.61	20.48	20.62
20	16QAM	50	0	19.01	19.37	19.22
20	16QAM	50	24	18.89	19.33	19.19
20	16QAM	50	50	18.95	19.29	18.99
20	16QAM	100	0	18.72	19.20	18.80
20	64QAM	1	0	19.59	19.57	20.01
20	64QAM	1	49	19.55	19.56	19.91
20	64QAM	1	99	19.53	19.54	19.79
20	64QAM	50	0	18.65	18.73	19.05
20	64QAM	50	24	18.62	18.64	18.99
20	64QAM	50	50	18.59	18.57	18.68
20	64QAM	100	0	18.45	18.48	18.61



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	20.95	21.25	21.20
15	QPSK	1	37	20.88	21.13	21.19
15	QPSK	1	74	20.76	21.04	21.10
15	QPSK	36	0	19.95	20.06	20.03
15	QPSK	36	20	19.90	19.97	19.96
15	QPSK	36	39	19.77	19.85	19.82
15	QPSK	75	0	19.75	19.71	19.80
15	16QAM	1	0	20.77	20.61	20.68
15	16QAM	1	37	20.66	20.53	20.68
15	16QAM	1	74	20.57	20.44	20.58
15	16QAM	36	0	18.97	19.33	19.18
15	16QAM	36	20	18.85	19.29	19.15
15	16QAM	36	39	18.91	19.25	18.95
15	16QAM	75	0	18.68	19.16	18.76
15	64QAM	1	0	19.55	19.53	19.97
15	64QAM	1	37	19.51	19.52	19.87
15	64QAM	1	74	19.49	19.50	19.75
15	64QAM	36	0	18.61	18.69	19.01
15	64QAM	36	20	18.58	18.60	18.95
15	64QAM	36	39	18.55	18.53	18.64
15	64QAM	75	0	18.41	18.44	18.57



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	20.85	21.15	21.12
10	QPSK	1	25	20.79	21.07	21.08
10	QPSK	1	49	20.70	20.97	21.04
10	QPSK	25	0	19.91	20.02	19.99
10	QPSK	25	12	19.86	19.93	19.92
10	QPSK	25	25	19.73	19.81	19.78
10	QPSK	50	0	19.71	19.67	19.76
10	16QAM	1	0	20.73	20.57	20.64
10	16QAM	1	25	20.62	20.49	20.64
10	16QAM	1	49	20.53	20.40	20.54
10	16QAM	25	0	18.93	19.29	19.14
10	16QAM	25	12	18.81	19.25	19.11
10	16QAM	25	25	18.87	19.21	18.91
10	16QAM	50	0	18.64	19.12	18.72
10	64QAM	1	0	19.51	19.49	19.93
10	64QAM	1	25	19.47	19.48	19.83
10	64QAM	1	49	19.45	19.46	19.71
10	64QAM	25	0	18.57	18.65	18.97
10	64QAM	25	12	18.54	18.56	18.91
10	64QAM	25	25	18.51	18.49	18.60
10	64QAM	50	0	18.37	18.40	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				131997	132322	132647
Frequency (MHz)				1712.5	1745	1777.5
5	QPSK	1	0	20.80	21.09	21.07
5	QPSK	1	12	20.74	21.04	21.03
5	QPSK	1	24	20.66	20.92	21.01
5	QPSK	12	0	19.85	19.96	19.93
5	QPSK	12	7	19.80	19.87	19.86
5	QPSK	12	13	19.67	19.75	19.72
5	QPSK	25	0	19.65	19.61	19.70
5	16QAM	1	0	20.67	20.51	20.58
5	16QAM	1	12	20.56	20.43	20.58
5	16QAM	1	24	20.47	20.34	20.48
5	16QAM	12	0	18.87	19.23	19.08
5	16QAM	12	7	18.75	19.19	19.05
5	16QAM	12	13	18.81	19.15	18.85
5	16QAM	25	0	18.58	19.06	18.66
5	64QAM	1	0	19.45	19.43	19.87
5	64QAM	1	12	19.41	19.42	19.77
5	64QAM	1	24	19.39	19.40	19.65
5	64QAM	12	0	18.51	18.59	18.91
5	64QAM	12	7	18.48	18.50	18.85
5	64QAM	12	13	18.45	18.43	18.54
5	64QAM	25	0	18.31	18.34	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				131987	132322	132657
Frequency (MHz)				1711.5	1745	1778.5
3	QPSK	1	0	20.77	21.10	21.05
3	QPSK	1	8	20.72	20.98	21.01
3	QPSK	1	14	20.66	20.89	20.92
3	QPSK	8	0	19.81	19.92	19.89
3	QPSK	8	4	19.76	19.83	19.82
3	QPSK	8	7	19.63	19.71	19.68
3	QPSK	15	0	19.61	19.57	19.66
3	16QAM	1	0	20.63	20.47	20.54
3	16QAM	1	8	20.52	20.39	20.54
3	16QAM	1	14	20.43	20.30	20.44
3	16QAM	8	0	18.83	19.19	19.04
3	16QAM	8	4	18.71	19.15	19.01
3	16QAM	8	7	18.77	19.11	18.81
3	16QAM	15	0	18.54	19.02	18.62
3	64QAM	1	0	19.41	19.39	19.83
3	64QAM	1	8	19.37	19.38	19.73
3	64QAM	1	14	19.35	19.36	19.61
3	64QAM	8	0	18.47	18.55	18.87
3	64QAM	8	4	18.44	18.46	18.81
3	64QAM	8	7	18.41	18.39	18.50
3	64QAM	15	0	18.27	18.30	18.43



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				131979	132322	132665
Frequency (MHz)				1710.7	1745	1779.3
1.4	QPSK	1	0	20.71	21.04	21.00
1.4	QPSK	1	3	20.67	20.95	20.96
1.4	QPSK	1	5	20.62	20.87	20.89
1.4	QPSK	3	0	19.76	19.87	19.84
1.4	QPSK	3	1	19.71	19.78	19.77
1.4	QPSK	3	3	19.58	19.66	19.63
1.4	QPSK	6	0	19.56	19.52	19.61
1.4	16QAM	1	0	20.58	20.42	20.49
1.4	16QAM	1	3	20.47	20.34	20.49
1.4	16QAM	1	5	20.38	20.25	20.39
1.4	16QAM	3	0	18.78	19.14	18.99
1.4	16QAM	3	1	18.66	19.10	18.96
1.4	16QAM	3	3	18.72	19.06	18.76
1.4	16QAM	6	0	18.49	18.97	18.57
1.4	64QAM	1	0	19.36	19.34	19.78
1.4	64QAM	1	3	19.32	19.33	19.68
1.4	64QAM	1	5	19.30	19.31	19.56
1.4	64QAM	3	0	18.42	18.50	18.82
1.4	64QAM	3	1	18.39	18.41	18.76
1.4	64QAM	3	3	18.36	18.34	18.45
1.4	64QAM	6	0	18.22	18.25	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	22.77	0.189	22.86	0.193	22.66	0.185
20	QPSK	1	49	22.73	0.187	22.79	0.190	22.59	0.182
20	QPSK	1	99	22.62	0.183	22.75	0.188	22.52	0.179
20	QPSK	50	0	21.64	0.146	21.67	0.147	21.67	0.147
20	QPSK	50	24	21.63	0.146	21.67	0.147	21.54	0.143
20	QPSK	50	50	21.62	0.145	21.61	0.145	21.65	0.146
20	QPSK	100	0	21.43	0.139	21.23	0.133	21.45	0.140
20	16QAM	1	0	22.50	0.178	22.17	0.165	22.38	0.173
20	16QAM	1	49	22.39	0.173	22.13	0.163	22.19	0.166
20	16QAM	1	99	22.26	0.168	22.09	0.162	22.28	0.169
20	16QAM	50	0	20.73	0.118	20.62	0.115	20.95	0.124
20	16QAM	50	24	20.72	0.118	20.59	0.115	20.91	0.123
20	16QAM	50	50	20.68	0.117	20.48	0.112	20.82	0.121
20	16QAM	100	0	20.42	0.110	20.42	0.110	20.71	0.118
20	64QAM	1	0	22.03	0.160	21.58	0.144	21.88	0.154
20	64QAM	1	49	21.62	0.145	21.61	0.145	21.61	0.145
20	64QAM	1	99	21.93	0.156	21.64	0.146	21.75	0.150
20	64QAM	50	0	20.83	0.121	20.72	0.118	21.06	0.128
20	64QAM	50	24	20.82	0.121	20.70	0.117	20.96	0.125
20	64QAM	50	50	20.73	0.118	20.60	0.115	20.96	0.125
20	64QAM	100	0	20.70	0.117	20.52	0.113	20.99	0.126



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	22.64	0.184	22.54	0.179	22.45	0.176
15	QPSK	1	37	22.69	0.186	22.75	0.188	22.55	0.180
15	QPSK	1	74	22.58	0.181	22.71	0.187	22.48	0.177
15	QPSK	36	0	21.6	0.145	21.63	0.146	21.63	0.146
15	QPSK	36	20	21.59	0.144	21.63	0.146	21.5	0.141
15	QPSK	36	39	21.58	0.144	21.57	0.144	21.61	0.145
15	QPSK	75	0	21.39	0.138	21.19	0.132	21.41	0.138
15	16QAM	1	0	22.46	0.176	22.13	0.163	22.34	0.171
15	16QAM	1	37	22.35	0.172	22.09	0.162	22.15	0.164
15	16QAM	1	74	22.22	0.167	22.05	0.160	22.24	0.167
15	16QAM	36	0	20.69	0.117	20.58	0.114	20.91	0.123
15	16QAM	36	20	20.68	0.117	20.55	0.114	20.87	0.122
15	16QAM	36	39	20.64	0.116	20.44	0.111	20.78	0.120
15	16QAM	75	0	20.38	0.109	20.38	0.109	20.67	0.117
15	64QAM	1	0	21.99	0.158	21.54	0.143	21.84	0.153
15	64QAM	1	37	21.58	0.144	21.73	0.149	21.63	0.146
15	64QAM	1	74	21.89	0.155	21.6	0.145	21.71	0.148
15	64QAM	36	0	20.79	0.120	20.68	0.117	21.02	0.126
15	64QAM	36	20	20.78	0.120	20.66	0.116	20.92	0.124
15	64QAM	36	39	20.69	0.117	20.56	0.114	20.92	0.124
15	64QAM	75	0	20.66	0.116	20.48	0.112	20.95	0.124



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	22.55	0.180	22.52	0.179	22.42	0.175
10	QPSK	1	25	22.65	0.184	22.71	0.187	22.51	0.178
10	QPSK	1	49	22.54	0.179	22.67	0.185	22.44	0.175
10	QPSK	25	0	21.56	0.143	21.59	0.144	21.59	0.144
10	QPSK	25	12	21.55	0.143	21.59	0.144	21.46	0.140
10	QPSK	25	25	21.54	0.143	21.53	0.142	21.57	0.144
10	QPSK	50	0	21.35	0.136	21.15	0.130	21.37	0.137
10	16QAM	1	0	22.42	0.175	22.09	0.162	22.3	0.170
10	16QAM	1	25	22.31	0.170	22.05	0.160	22.11	0.163
10	16QAM	1	49	22.18	0.165	22.01	0.159	22.2	0.166
10	16QAM	25	0	20.65	0.116	20.54	0.113	20.87	0.122
10	16QAM	25	12	20.64	0.116	20.51	0.112	20.83	0.121
10	16QAM	25	25	20.6	0.115	20.4	0.110	20.74	0.119
10	16QAM	50	0	20.34	0.108	20.34	0.108	20.63	0.116
10	64QAM	1	0	21.95	0.157	21.5	0.141	21.8	0.151
10	64QAM	1	25	21.54	0.143	21.69	0.148	21.59	0.144
10	64QAM	1	49	21.85	0.153	21.56	0.143	21.67	0.147
10	64QAM	25	0	20.75	0.119	20.64	0.116	20.98	0.125
10	64QAM	25	12	20.74	0.119	20.62	0.115	20.88	0.122
10	64QAM	25	25	20.65	0.116	20.52	0.113	20.88	0.122
10	64QAM	50	0	20.62	0.115	20.44	0.111	20.91	0.123



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	22.61	0.182	22.55	0.180	22.46	0.176
5	QPSK	1	12	22.59	0.182	22.65	0.184	22.45	0.176
5	QPSK	1	24	22.48	0.177	22.61	0.182	22.38	0.173
5	QPSK	12	0	21.5	0.141	21.53	0.142	21.53	0.142
5	QPSK	12	7	21.49	0.141	21.53	0.142	21.4	0.138
5	QPSK	12	13	21.48	0.141	21.47	0.140	21.51	0.142
5	QPSK	25	0	21.29	0.135	21.09	0.129	21.31	0.135
5	16QAM	1	0	22.36	0.172	22.03	0.160	22.24	0.167
5	16QAM	1	12	22.25	0.168	21.99	0.158	22.05	0.160
5	16QAM	1	24	22.12	0.163	21.95	0.157	22.14	0.164
5	16QAM	12	0	20.59	0.115	20.48	0.112	20.81	0.121
5	16QAM	12	7	20.58	0.114	20.45	0.111	20.77	0.119
5	16QAM	12	13	20.54	0.113	20.34	0.108	20.68	0.117
5	16QAM	25	0	20.28	0.107	20.28	0.107	20.57	0.114
5	64QAM	1	0	21.89	0.155	21.44	0.139	21.74	0.149
5	64QAM	1	12	21.48	0.141	21.63	0.146	21.53	0.142
5	64QAM	1	24	21.79	0.151	21.5	0.141	21.61	0.145
5	64QAM	12	0	20.69	0.117	20.58	0.114	20.92	0.124
5	64QAM	12	7	20.68	0.117	20.56	0.114	20.82	0.121
5	64QAM	12	13	20.59	0.115	20.46	0.111	20.82	0.121
5	64QAM	25	0	20.56	0.114	20.38	0.109	20.85	0.122



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18615		18900		19185	
Frequency (MHz)				1851.5		1880		1908.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	22.6	0.182	22.48	0.177	22.52	0.179
3	QPSK	1	8	22.55	0.180	22.61	0.182	22.41	0.174
3	QPSK	1	14	22.44	0.175	22.57	0.181	22.34	0.171
3	QPSK	8	0	21.46	0.140	21.49	0.141	21.49	0.141
3	QPSK	8	4	21.45	0.140	21.49	0.141	21.36	0.137
3	QPSK	8	7	21.44	0.139	21.43	0.139	21.47	0.140
3	QPSK	15	0	21.25	0.133	21.05	0.127	21.27	0.134
3	16QAM	1	0	22.32	0.171	21.99	0.158	22.2	0.166
3	16QAM	1	8	22.21	0.166	21.95	0.157	22.01	0.159
3	16QAM	1	14	22.08	0.161	21.91	0.155	22.1	0.162
3	16QAM	8	0	20.55	0.114	20.44	0.111	20.77	0.119
3	16QAM	8	4	20.54	0.113	20.41	0.110	20.73	0.118
3	16QAM	8	7	20.5	0.112	20.3	0.107	20.64	0.116
3	16QAM	15	0	20.24	0.106	20.24	0.106	20.53	0.113
3	64QAM	1	0	21.85	0.153	21.4	0.138	21.7	0.148
3	64QAM	1	8	21.44	0.139	21.59	0.144	21.49	0.141
3	64QAM	1	14	21.75	0.150	21.46	0.140	21.57	0.144
3	64QAM	8	0	20.65	0.116	20.54	0.113	20.88	0.122
3	64QAM	8	4	20.64	0.116	20.52	0.113	20.78	0.120
3	64QAM	8	7	20.55	0.114	20.42	0.110	20.78	0.120
3	64QAM	15	0	20.52	0.113	20.34	0.108	20.81	0.121



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18607		18900		19193	
Frequency (MHz)				1850.7		1880		1909.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	22.54	0.179	22.63	0.183	22.43	0.175
1.4	QPSK	1	3	22.5	0.178	22.56	0.180	22.36	0.172
1.4	QPSK	1	5	22.39	0.173	22.52	0.179	22.29	0.169
1.4	QPSK	3	0	21.41	0.138	21.44	0.139	21.44	0.139
1.4	QPSK	3	1	21.4	0.138	21.44	0.139	21.31	0.135
1.4	QPSK	3	3	21.39	0.138	21.38	0.137	21.42	0.139
1.4	QPSK	6	0	21.2	0.132	21	0.126	21.22	0.132
1.4	16QAM	1	0	22.27	0.169	21.94	0.156	22.15	0.164
1.4	16QAM	1	3	22.16	0.164	21.9	0.155	21.96	0.157
1.4	16QAM	1	5	22.03	0.160	21.86	0.153	22.05	0.160
1.4	16QAM	3	0	20.58	0.114	20.39	0.109	20.72	0.118
1.4	16QAM	3	1	20.49	0.112	20.36	0.109	20.68	0.117
1.4	16QAM	3	3	20.42	0.110	20.25	0.106	20.59	0.115
1.4	16QAM	6	0	20.19	0.104	20.19	0.104	20.48	0.112
1.4	64QAM	1	0	21.8	0.151	21.35	0.136	21.65	0.146
1.4	64QAM	1	3	21.39	0.138	21.54	0.143	21.44	0.139
1.4	64QAM	1	5	21.7	0.148	21.41	0.138	21.52	0.142
1.4	64QAM	3	0	20.6	0.115	20.49	0.112	20.83	0.121
1.4	64QAM	3	1	20.59	0.115	20.47	0.111	20.75	0.119
1.4	64QAM	3	3	20.5	0.112	20.37	0.109	20.72	0.118
1.4	64QAM	6	0	20.47	0.111	20.29	0.107	20.71	0.118



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	22.37	0.173	22.49	0.177	22.33	0.171
20	QPSK	1	49	22.19	0.166	22.41	0.174	22.27	0.169
20	QPSK	1	99	22.16	0.164	22.33	0.171	22.30	0.170
20	QPSK	50	0	21.24	0.133	21.58	0.144	21.43	0.139
20	QPSK	50	24	21.16	0.131	21.53	0.142	21.40	0.138
20	QPSK	50	50	21.10	0.129	21.51	0.142	21.23	0.133
20	QPSK	100	0	21.08	0.128	21.48	0.141	21.17	0.131
20	16QAM	1	0	22.00	0.158	22.06	0.161	22.04	0.160
20	16QAM	1	49	21.92	0.156	21.90	0.155	22.01	0.159
20	16QAM	1	99	21.91	0.155	21.86	0.153	21.95	0.157
20	16QAM	50	0	19.42	0.087	19.43	0.088	19.76	0.095
20	16QAM	50	24	19.39	0.087	19.38	0.087	19.71	0.094
20	16QAM	50	50	19.34	0.086	19.37	0.086	19.56	0.090
20	16QAM	100	0	19.20	0.083	19.33	0.086	19.38	0.087
20	64QAM	1	0	21.53	0.142	21.54	0.143	21.56	0.143
20	64QAM	1	49	21.55	0.143	21.53	0.142	21.51	0.142
20	64QAM	1	99	21.41	0.138	21.44	0.139	21.49	0.141
20	64QAM	50	0	19.37	0.086	19.40	0.087	19.75	0.094
20	64QAM	50	24	19.32	0.086	19.39	0.087	19.68	0.093
20	64QAM	50	50	19.30	0.085	19.37	0.086	19.59	0.091
20	64QAM	100	0	19.21	0.083	19.31	0.085	19.38	0.087



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20025		20175		20325	
Frequency (MHz)				1717.5		1732.5		1747.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	22.14	0.164	22.41	0.174	22.28	0.169
15	QPSK	1	37	22.14	0.164	22.31	0.170	22.22	0.167
15	QPSK	1	74	22.11	0.163	22.28	0.169	22.25	0.168
15	QPSK	36	0	21.19	0.132	21.53	0.142	21.38	0.137
15	QPSK	36	20	21.11	0.129	21.48	0.141	21.35	0.136
15	QPSK	36	39	21.05	0.127	21.46	0.140	21.18	0.131
15	QPSK	75	0	21.03	0.127	21.43	0.139	21.12	0.129
15	16QAM	1	0	21.95	0.157	22.01	0.159	21.99	0.158
15	16QAM	1	37	21.87	0.154	21.85	0.153	21.96	0.157
15	16QAM	1	74	21.86	0.153	21.81	0.152	21.9	0.155
15	16QAM	36	0	19.37	0.086	19.38	0.087	19.71	0.094
15	16QAM	36	20	19.34	0.086	19.33	0.086	19.66	0.092
15	16QAM	36	39	19.31	0.085	19.33	0.086	19.51	0.089
15	16QAM	75	0	19.15	0.082	19.28	0.085	19.33	0.086
15	64QAM	1	0	21.56	0.143	21.62	0.145	21.83	0.152
15	64QAM	1	37	21.5	0.141	21.51	0.142	21.73	0.149
15	64QAM	1	74	21.45	0.140	21.52	0.142	21.64	0.146
15	64QAM	36	0	19.32	0.086	19.35	0.086	19.7	0.093
15	64QAM	36	20	19.27	0.085	19.34	0.086	19.63	0.092
15	64QAM	36	39	19.25	0.084	19.32	0.086	19.54	0.090
15	64QAM	75	0	19.16	0.082	19.26	0.084	19.33	0.086



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	22.18	0.165	22.40	0.174	22.25	0.168
10	QPSK	1	25	22.11	0.163	22.33	0.171	22.19	0.166
10	QPSK	1	49	22.08	0.161	22.25	0.168	22.22	0.167
10	QPSK	25	0	21.16	0.131	21.50	0.141	21.35	0.136
10	QPSK	25	12	21.08	0.128	21.45	0.140	21.32	0.136
10	QPSK	25	25	21.02	0.126	21.43	0.139	21.15	0.130
10	QPSK	50	0	21.00	0.126	21.40	0.138	21.09	0.129
10	16QAM	1	0	21.89	0.155	21.95	0.157	21.93	0.156
10	16QAM	1	25	21.81	0.152	21.79	0.151	21.90	0.155
10	16QAM	1	49	21.80	0.151	21.75	0.150	21.84	0.153
10	16QAM	25	0	19.34	0.086	19.35	0.086	19.68	0.093
10	16QAM	25	12	19.31	0.085	19.30	0.085	19.63	0.092
10	16QAM	25	25	19.28	0.085	19.21	0.083	19.48	0.089
10	16QAM	50	0	19.12	0.082	19.25	0.084	19.30	0.085
10	64QAM	1	0	21.53	0.142	21.59	0.144	21.80	0.151
10	64QAM	1	25	21.47	0.140	21.48	0.141	21.70	0.148
10	64QAM	1	49	21.42	0.139	21.49	0.141	21.61	0.145
10	64QAM	25	0	19.29	0.085	19.32	0.086	19.67	0.093
10	64QAM	25	12	19.24	0.084	19.31	0.085	19.60	0.091
10	64QAM	25	25	19.22	0.084	19.29	0.085	19.51	0.089
10	64QAM	50	0	19.13	0.082	19.23	0.084	19.30	0.085



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	22.09	0.162	22.39	0.173	22.18	0.165
5	QPSK	1	12	22.04	0.160	22.26	0.168	22.12	0.163
5	QPSK	1	24	22.01	0.159	22.18	0.165	22.15	0.164
5	QPSK	12	0	21.09	0.129	21.43	0.139	21.28	0.134
5	QPSK	12	7	21.01	0.126	21.38	0.137	21.25	0.133
5	QPSK	12	13	20.95	0.124	21.36	0.137	21.08	0.128
5	QPSK	25	0	20.93	0.124	21.33	0.136	21.02	0.126
5	16QAM	1	0	21.84	0.153	21.90	0.155	21.88	0.154
5	16QAM	1	12	21.76	0.150	21.74	0.149	21.85	0.153
5	16QAM	1	24	21.75	0.150	21.70	0.148	21.79	0.151
5	16QAM	12	0	19.27	0.085	19.28	0.085	19.61	0.091
5	16QAM	12	7	19.24	0.084	19.23	0.084	19.56	0.090
5	16QAM	12	13	19.21	0.083	19.21	0.083	19.41	0.087
5	16QAM	25	0	19.05	0.080	19.18	0.083	19.23	0.084
5	64QAM	1	0	21.46	0.140	21.52	0.142	21.73	0.149
5	64QAM	1	12	21.40	0.138	21.41	0.138	21.63	0.146
5	64QAM	1	24	21.35	0.136	21.42	0.139	21.54	0.143
5	64QAM	12	0	19.22	0.084	19.25	0.084	19.60	0.091
5	64QAM	12	7	19.17	0.083	19.24	0.084	19.53	0.090
5	64QAM	12	13	19.15	0.082	19.22	0.084	19.44	0.088
5	64QAM	25	0	19.06	0.081	19.16	0.082	19.23	0.084



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	22.04	0.160	22.34	0.171	22.13	0.163
3	QPSK	1	8	21.99	0.158	22.21	0.166	22.07	0.161
3	QPSK	1	14	21.96	0.157	22.13	0.163	22.10	0.162
3	QPSK	8	0	21.04	0.127	21.38	0.137	21.23	0.133
3	QPSK	8	4	20.96	0.125	21.33	0.136	21.20	0.132
3	QPSK	8	7	20.90	0.123	21.31	0.135	21.03	0.127
3	QPSK	15	0	20.88	0.122	21.28	0.134	20.97	0.125
3	16QAM	1	0	21.78	0.151	21.84	0.153	21.82	0.152
3	16QAM	1	8	21.70	0.148	21.68	0.147	21.79	0.151
3	16QAM	1	14	21.69	0.148	21.64	0.146	21.73	0.149
3	16QAM	8	0	19.22	0.084	19.23	0.084	19.56	0.090
3	16QAM	8	4	19.19	0.083	19.18	0.083	19.51	0.089
3	16QAM	8	7	19.16	0.082	19.16	0.082	19.36	0.086
3	16QAM	15	0	19.00	0.079	19.13	0.082	19.18	0.083
3	64QAM	1	0	21.41	0.138	21.47	0.140	21.68	0.147
3	64QAM	1	8	21.35	0.136	21.36	0.137	21.58	0.144
3	64QAM	1	14	21.30	0.135	21.37	0.137	21.49	0.141
3	64QAM	8	0	19.17	0.083	19.20	0.083	19.55	0.090
3	64QAM	8	4	19.12	0.082	19.19	0.083	19.48	0.089
3	64QAM	8	7	19.10	0.081	19.17	0.083	19.39	0.087
3	64QAM	15	0	19.01	0.080	19.11	0.081	19.18	0.083



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	22.00	0.158	22.29	0.169	22.08	0.161
1.4	QPSK	1	3	21.94	0.156	22.16	0.164	22.02	0.159
1.4	QPSK	1	5	21.91	0.155	22.08	0.161	22.05	0.160
1.4	QPSK	3	0	20.99	0.126	21.33	0.136	21.18	0.131
1.4	QPSK	3	1	20.91	0.123	21.28	0.134	21.15	0.130
1.4	QPSK	3	3	20.85	0.122	21.26	0.134	20.98	0.125
1.4	QPSK	6	0	20.83	0.121	21.23	0.133	20.92	0.124
1.4	16QAM	1	0	21.73	0.149	21.79	0.151	21.77	0.150
1.4	16QAM	1	3	21.65	0.146	21.63	0.146	21.74	0.149
1.4	16QAM	1	5	21.64	0.146	21.59	0.144	21.68	0.147
1.4	16QAM	3	0	19.17	0.083	19.18	0.083	19.51	0.089
1.4	16QAM	3	1	19.14	0.082	19.13	0.082	19.46	0.088
1.4	16QAM	3	3	19.11	0.081	19.11	0.081	19.31	0.085
1.4	16QAM	6	0	18.95	0.079	19.08	0.081	19.13	0.082
1.4	64QAM	1	0	21.36	0.137	21.42	0.139	21.63	0.146
1.4	64QAM	1	3	21.30	0.135	21.31	0.135	21.53	0.142
1.4	64QAM	1	5	21.25	0.133	21.32	0.136	21.44	0.139
1.4	64QAM	3	0	19.12	0.082	19.15	0.082	19.50	0.089
1.4	64QAM	3	1	19.07	0.081	19.14	0.082	19.43	0.088
1.4	64QAM	3	3	19.05	0.080	19.12	0.082	19.34	0.086
1.4	64QAM	6	0	18.96	0.079	19.06	0.081	19.13	0.082



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	19.93	0.098	20.17	0.104	19.85	0.097
10	QPSK	1	25	19.89	0.097	20.10	0.102	19.79	0.095
10	QPSK	1	49	19.81	0.096	20.05	0.101	19.74	0.094
10	QPSK	25	0	18.93	0.078	18.94	0.078	18.73	0.075
10	QPSK	25	12	18.88	0.077	18.84	0.077	18.70	0.074
10	QPSK	25	25	18.82	0.076	18.84	0.077	18.71	0.074
10	QPSK	50	0	18.69	0.074	18.59	0.072	18.46	0.070
10	16QAM	1	0	19.96	0.099	19.64	0.092	19.67	0.093
10	16QAM	1	25	19.85	0.097	19.62	0.092	19.61	0.091
10	16QAM	1	49	19.81	0.096	19.61	0.091	19.55	0.090
10	16QAM	25	0	18.30	0.068	18.49	0.071	18.26	0.067
10	16QAM	25	12	18.24	0.067	18.41	0.069	18.14	0.065
10	16QAM	25	25	18.14	0.065	18.36	0.069	18.08	0.064
10	16QAM	50	0	18.07	0.064	18.12	0.065	17.63	0.058
10	64QAM	1	0	19.10	0.081	19.09	0.081	19.11	0.081
10	64QAM	1	25	19.02	0.080	19.01	0.080	19.00	0.079
10	64QAM	1	49	18.95	0.079	18.86	0.077	19.05	0.080
10	64QAM	25	0	18.47	0.070	18.61	0.073	18.35	0.068
10	64QAM	25	12	18.38	0.069	18.58	0.072	18.32	0.068
10	64QAM	25	25	18.40	0.069	18.49	0.071	18.20	0.066
10	64QAM	50	0	18.35	0.068	18.43	0.070	18.13	0.065



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	19.85	0.097	20.09	0.102	19.77	0.095
5	QPSK	1	12	19.81	0.096	20.02	0.100	19.71	0.094
5	QPSK	1	24	19.73	0.094	19.97	0.099	19.66	0.092
5	QPSK	12	0	18.86	0.077	18.86	0.077	18.65	0.073
5	QPSK	12	7	18.80	0.076	18.76	0.075	18.62	0.073
5	QPSK	12	13	18.74	0.075	18.76	0.075	18.63	0.073
5	QPSK	25	0	18.61	0.073	18.51	0.071	18.38	0.069
5	16QAM	1	0	19.88	0.097	19.50	0.089	19.59	0.091
5	16QAM	1	12	19.77	0.095	19.48	0.089	19.53	0.090
5	16QAM	1	24	19.73	0.094	19.47	0.089	19.47	0.089
5	16QAM	12	0	18.22	0.066	18.41	0.069	18.18	0.066
5	16QAM	12	7	18.16	0.065	18.33	0.068	18.06	0.064
5	16QAM	12	13	18.06	0.064	18.28	0.067	18.00	0.063
5	16QAM	25	0	17.99	0.063	18.04	0.064	17.55	0.057
5	64QAM	1	0	19.02	0.080	19.01	0.080	19.03	0.080
5	64QAM	1	12	18.94	0.078	18.93	0.078	18.92	0.078
5	64QAM	1	24	18.87	0.077	18.78	0.076	18.97	0.079
5	64QAM	12	0	18.39	0.069	18.53	0.071	18.27	0.067
5	64QAM	12	7	18.30	0.068	18.50	0.071	18.24	0.067
5	64QAM	12	13	18.32	0.068	18.41	0.069	18.12	0.065
5	64QAM	25	0	18.27	0.067	18.35	0.068	18.05	0.064



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	19.77	0.095	20.01	0.100	19.69	0.093
3	QPSK	1	8	19.73	0.094	19.94	0.099	19.63	0.092
3	QPSK	1	14	19.65	0.092	19.89	0.097	19.58	0.091
3	QPSK	8	0	18.78	0.076	18.78	0.076	18.57	0.072
3	QPSK	8	4	18.72	0.074	18.68	0.074	18.54	0.071
3	QPSK	8	7	18.66	0.073	18.68	0.074	18.55	0.072
3	QPSK	15	0	18.53	0.071	18.43	0.070	18.30	0.068
3	16QAM	1	0	19.80	0.095	19.42	0.087	19.51	0.089
3	16QAM	1	8	19.69	0.093	19.40	0.087	19.45	0.088
3	16QAM	1	14	19.65	0.092	19.39	0.087	19.39	0.087
3	16QAM	8	0	18.14	0.065	18.33	0.068	18.10	0.065
3	16QAM	8	4	18.08	0.064	18.25	0.067	17.98	0.063
3	16QAM	8	7	17.98	0.063	18.20	0.066	17.92	0.062
3	16QAM	15	0	17.91	0.062	17.96	0.063	17.47	0.056
3	64QAM	1	0	18.94	0.078	18.93	0.078	18.95	0.079
3	64QAM	1	8	18.86	0.077	18.85	0.077	18.84	0.077
3	64QAM	1	14	18.79	0.076	18.70	0.074	18.89	0.077
3	64QAM	8	0	18.31	0.068	18.45	0.070	18.19	0.066
3	64QAM	8	4	18.22	0.066	18.42	0.070	18.16	0.065
3	64QAM	8	7	18.24	0.067	18.33	0.068	18.04	0.064
3	64QAM	15	0	18.19	0.066	18.27	0.067	17.97	0.063



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	19.69	0.093	19.93	0.098	19.61	0.091
1.4	QPSK	1	3	19.65	0.092	19.86	0.097	19.55	0.090
1.4	QPSK	1	5	19.57	0.091	19.81	0.096	19.50	0.089
1.4	QPSK	3	0	18.70	0.074	18.70	0.074	18.49	0.071
1.4	QPSK	3	1	18.64	0.073	18.60	0.072	18.46	0.070
1.4	QPSK	3	3	18.58	0.072	18.60	0.072	18.47	0.070
1.4	QPSK	6	0	18.45	0.070	18.35	0.068	18.22	0.066
1.4	16QAM	1	0	19.72	0.094	19.34	0.086	19.43	0.088
1.4	16QAM	1	3	19.61	0.091	19.32	0.086	19.37	0.086
1.4	16QAM	1	5	19.57	0.091	19.31	0.085	19.31	0.085
1.4	16QAM	3	0	18.06	0.064	18.25	0.067	18.02	0.063
1.4	16QAM	3	1	18.00	0.063	18.17	0.066	17.90	0.062
1.4	16QAM	3	3	17.90	0.062	18.12	0.065	17.84	0.061
1.4	16QAM	6	0	17.83	0.061	17.88	0.061	17.39	0.055
1.4	64QAM	1	0	18.86	0.077	18.85	0.077	18.87	0.077
1.4	64QAM	1	3	18.78	0.076	18.77	0.075	18.76	0.075
1.4	64QAM	1	5	18.71	0.074	18.62	0.073	18.81	0.076
1.4	64QAM	3	0	18.23	0.067	18.37	0.069	18.11	0.065
1.4	64QAM	3	1	18.14	0.065	18.34	0.068	18.08	0.064
1.4	64QAM	3	3	18.16	0.065	18.25	0.067	17.96	0.063
1.4	64QAM	6	0	18.11	0.065	18.19	0.066	17.89	0.062



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20850		21100		21350	
Frequency (MHz)				2510		2535		2560	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	22.36	0.172	22.57	0.181	22.36	0.172
20	QPSK	1	49	22.27	0.169	22.50	0.178	22.29	0.169
20	QPSK	1	99	22.22	0.167	22.46	0.176	22.19	0.166
20	QPSK	50	0	22.07	0.161	22.28	0.169	22.13	0.163
20	QPSK	50	24	21.95	0.157	22.23	0.167	22.02	0.159
20	QPSK	50	50	22.04	0.160	22.32	0.171	21.94	0.156
20	QPSK	100	0	22.00	0.158	22.23	0.167	21.97	0.157
20	16QAM	1	0	21.86	0.153	21.97	0.157	21.97	0.157
20	16QAM	1	49	21.74	0.149	21.94	0.156	21.92	0.156
20	16QAM	1	99	21.79	0.151	21.75	0.150	21.83	0.152
20	16QAM	50	0	20.56	0.114	20.57	0.114	20.72	0.118
20	16QAM	50	24	20.51	0.112	20.52	0.113	20.68	0.117
20	16QAM	50	50	20.53	0.113	20.37	0.109	20.54	0.113
20	16QAM	100	0	20.35	0.108	20.42	0.110	20.51	0.112
20	64QAM	1	0	21.75	0.150	21.67	0.147	21.71	0.148
20	64QAM	1	49	21.69	0.148	21.55	0.143	21.62	0.145
20	64QAM	1	99	21.63	0.146	21.45	0.140	21.56	0.143
20	64QAM	50	0	20.71	0.118	20.66	0.116	21.11	0.129
20	64QAM	50	24	20.63	0.116	20.65	0.116	21.04	0.127
20	64QAM	50	50	20.66	0.116	20.62	0.115	20.95	0.124
20	64QAM	100	0	20.59	0.115	20.45	0.111	20.77	0.119



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20825		21100		21375	
Frequency (MHz)				2507.5		2535		2562.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	22.28	0.169	22.54	0.179	22.44	0.175
15	QPSK	1	37	22.23	0.167	22.46	0.176	22.25	0.168
15	QPSK	1	74	22.18	0.165	22.42	0.175	22.15	0.164
15	QPSK	36	0	21.83	0.152	22.24	0.167	21.81	0.152
15	QPSK	36	20	21.81	0.152	22.19	0.166	21.78	0.151
15	QPSK	36	39	22.00	0.158	22.28	0.169	21.90	0.155
15	QPSK	75	0	21.96	0.157	22.19	0.166	21.73	0.149
15	16QAM	1	0	21.82	0.152	21.93	0.156	21.93	0.156
15	16QAM	1	37	21.70	0.148	21.90	0.155	21.88	0.154
15	16QAM	1	74	21.75	0.150	21.71	0.148	21.79	0.151
15	16QAM	36	0	20.52	0.113	20.53	0.113	20.68	0.117
15	16QAM	36	20	20.47	0.111	20.48	0.112	20.64	0.116
15	16QAM	36	39	20.49	0.112	20.33	0.108	20.50	0.112
15	16QAM	75	0	20.31	0.107	20.38	0.109	20.47	0.111
15	64QAM	1	0	21.71	0.148	21.63	0.146	21.67	0.147
15	64QAM	1	37	21.65	0.146	21.51	0.142	21.58	0.144
15	64QAM	1	74	21.59	0.144	21.41	0.138	21.52	0.142
15	64QAM	36	0	20.67	0.117	20.62	0.115	21.07	0.128
15	64QAM	36	20	20.59	0.115	20.61	0.115	21.00	0.126
15	64QAM	36	39	20.62	0.115	20.58	0.114	20.91	0.123
15	64QAM	75	0	20.55	0.114	20.41	0.110	20.73	0.118



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20800		21100		21400	
Frequency (MHz)				2505		2535		2565	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	22.38	0.173	22.32	0.171	22.18	0.165
10	QPSK	1	25	22.19	0.166	22.42	0.175	22.21	0.166
10	QPSK	1	49	22.14	0.164	22.38	0.173	22.11	0.163
10	QPSK	25	0	21.79	0.151	22.20	0.166	21.80	0.151
10	QPSK	25	12	21.77	0.150	22.15	0.164	21.76	0.150
10	QPSK	25	25	21.96	0.157	22.24	0.167	21.86	0.153
10	QPSK	50	0	21.92	0.156	22.15	0.164	21.69	0.148
10	16QAM	1	0	21.78	0.151	21.89	0.155	21.89	0.155
10	16QAM	1	25	21.66	0.147	21.86	0.153	21.84	0.153
10	16QAM	1	49	21.71	0.148	21.67	0.147	21.75	0.150
10	16QAM	25	0	20.48	0.112	20.49	0.112	20.64	0.116
10	16QAM	25	12	20.43	0.110	20.44	0.111	20.60	0.115
10	16QAM	25	25	20.45	0.111	20.29	0.107	20.46	0.111
10	16QAM	50	0	20.27	0.106	20.34	0.108	20.43	0.110
10	64QAM	1	0	21.67	0.147	21.59	0.144	21.63	0.146
10	64QAM	1	25	21.61	0.145	21.47	0.140	21.54	0.143
10	64QAM	1	49	21.55	0.143	21.37	0.137	21.48	0.141
10	64QAM	25	0	20.63	0.116	20.58	0.114	21.03	0.127
10	64QAM	25	12	20.55	0.114	20.57	0.114	20.96	0.125
10	64QAM	25	25	20.58	0.114	20.54	0.113	20.87	0.122
10	64QAM	50	0	20.51	0.112	20.37	0.109	20.69	0.117



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20775		21100		21425	
Frequency (MHz)				2502.5		2535		2567.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	22.24	0.167	22.18	0.165	22.23	0.167
5	QPSK	1	12	22.13	0.163	22.36	0.172	22.15	0.164
5	QPSK	1	24	22.08	0.161	22.32	0.171	22.05	0.160
5	QPSK	12	0	21.73	0.149	22.14	0.164	21.77	0.150
5	QPSK	12	7	21.71	0.148	22.09	0.162	21.71	0.148
5	QPSK	12	13	21.90	0.155	22.18	0.165	21.80	0.151
5	QPSK	25	0	21.86	0.153	22.09	0.162	21.63	0.146
5	16QAM	1	0	21.72	0.149	21.83	0.152	21.83	0.152
5	16QAM	1	12	21.60	0.145	21.80	0.151	21.78	0.151
5	16QAM	1	24	21.65	0.146	21.61	0.145	21.69	0.148
5	16QAM	12	0	20.42	0.110	20.43	0.110	20.58	0.114
5	16QAM	12	7	20.37	0.109	20.38	0.109	20.54	0.113
5	16QAM	12	13	20.39	0.109	20.23	0.105	20.40	0.110
5	16QAM	25	0	20.21	0.105	20.28	0.107	20.37	0.109
5	64QAM	1	0	21.61	0.145	21.53	0.142	21.57	0.144
5	64QAM	1	12	21.55	0.143	21.41	0.138	21.48	0.141
5	64QAM	1	24	21.49	0.141	21.31	0.135	21.42	0.139
5	64QAM	12	0	20.57	0.114	20.52	0.113	20.97	0.125
5	64QAM	12	7	20.49	0.112	20.51	0.112	20.90	0.123
5	64QAM	12	13	20.52	0.113	20.48	0.112	20.81	0.121
5	64QAM	25	0	20.45	0.111	20.31	0.107	20.63	0.116



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	20.14	0.103	20.20	0.105	20.15	0.104
10	QPSK	1	25	20.05	0.101	20.10	0.102	20.04	0.101
10	QPSK	1	49	19.94	0.099	20.03	0.101	20.02	0.100
10	QPSK	25	0	18.95	0.079	19.27	0.085	19.09	0.081
10	QPSK	25	12	18.93	0.078	19.18	0.083	18.99	0.079
10	QPSK	25	25	18.89	0.077	19.06	0.081	18.97	0.079
10	QPSK	50	0	18.65	0.073	19.00	0.079	18.89	0.077
10	16QAM	1	0	19.48	0.089	19.35	0.086	19.73	0.094
10	16QAM	1	25	19.39	0.087	19.32	0.086	19.71	0.094
10	16QAM	1	49	19.34	0.086	19.27	0.085	19.53	0.090
10	16QAM	25	0	18.00	0.063	18.21	0.066	18.12	0.065
10	16QAM	25	12	17.89	0.062	18.12	0.065	18.05	0.064
10	16QAM	25	25	17.87	0.061	18.16	0.065	18.00	0.063
10	16QAM	50	0	17.85	0.061	17.99	0.063	17.92	0.062
10	64QAM	1	0	19.29	0.085	19.27	0.085	19.30	0.085
10	64QAM	1	25	19.19	0.083	19.20	0.083	19.25	0.084
10	64QAM	1	49	19.13	0.082	19.06	0.081	19.17	0.083
10	64QAM	25	0	18.00	0.063	18.19	0.066	18.15	0.065
10	64QAM	25	12	17.92	0.062	18.12	0.065	18.07	0.064
10	64QAM	25	25	17.83	0.061	17.97	0.063	17.93	0.062
10	64QAM	50	0	17.68	0.059	17.95	0.062	17.78	0.060



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	20.06	0.101	20.12	0.103	20.07	0.102
5	QPSK	1	12	19.97	0.099	20.02	0.100	19.96	0.099
5	QPSK	1	24	19.86	0.097	19.95	0.099	19.94	0.099
5	QPSK	12	0	18.87	0.077	19.19	0.083	19.01	0.080
5	QPSK	12	7	18.85	0.077	19.10	0.081	18.91	0.078
5	QPSK	12	13	18.81	0.076	18.98	0.079	18.89	0.077
5	QPSK	25	0	18.57	0.072	18.92	0.078	18.81	0.076
5	16QAM	1	0	19.40	0.087	19.27	0.085	19.65	0.092
5	16QAM	1	12	19.31	0.085	19.24	0.084	19.63	0.092
5	16QAM	1	24	19.26	0.084	19.19	0.083	19.45	0.088
5	16QAM	12	0	17.92	0.062	18.13	0.065	18.04	0.064
5	16QAM	12	7	17.81	0.060	18.04	0.064	17.97	0.063
5	16QAM	12	13	17.79	0.060	18.08	0.064	17.92	0.062
5	16QAM	25	0	17.77	0.060	17.91	0.062	17.84	0.061
5	64QAM	1	0	19.21	0.083	19.19	0.083	19.22	0.084
5	64QAM	1	12	19.11	0.081	19.12	0.082	19.17	0.083
5	64QAM	1	24	19.05	0.080	18.98	0.079	19.09	0.081
5	64QAM	12	0	17.92	0.062	18.11	0.065	18.07	0.064
5	64QAM	12	7	17.84	0.061	18.04	0.064	17.99	0.063
5	64QAM	12	13	17.75	0.060	17.89	0.062	17.85	0.061
5	64QAM	25	0	17.60	0.058	17.87	0.061	17.70	0.059



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	19.99	0.100	20.05	0.101	20.00	0.100
3	QPSK	1	8	19.90	0.098	19.95	0.099	19.89	0.097
3	QPSK	1	14	19.79	0.095	19.88	0.097	19.87	0.097
3	QPSK	8	0	18.80	0.076	19.12	0.082	18.94	0.078
3	QPSK	8	4	18.78	0.076	19.03	0.080	18.84	0.077
3	QPSK	8	7	18.74	0.075	18.91	0.078	18.82	0.076
3	QPSK	15	0	18.50	0.071	18.85	0.077	18.74	0.075
3	16QAM	1	0	19.33	0.086	19.20	0.083	19.58	0.091
3	16QAM	1	8	19.24	0.084	19.17	0.083	19.56	0.090
3	16QAM	1	14	19.19	0.083	19.12	0.082	19.38	0.087
3	16QAM	8	0	17.85	0.061	18.06	0.064	17.97	0.063
3	16QAM	8	4	17.74	0.059	17.97	0.063	17.90	0.062
3	16QAM	8	7	17.72	0.059	18.01	0.063	17.85	0.061
3	16QAM	15	0	17.70	0.059	17.84	0.061	17.77	0.060
3	64QAM	1	0	19.14	0.082	19.12	0.082	19.15	0.082
3	64QAM	1	8	19.04	0.080	19.05	0.080	19.10	0.081
3	64QAM	1	14	18.98	0.079	18.91	0.078	19.02	0.080
3	64QAM	8	0	17.85	0.061	18.04	0.064	18.00	0.063
3	64QAM	8	4	17.77	0.060	17.97	0.063	17.92	0.062
3	64QAM	8	7	17.68	0.059	17.82	0.061	17.78	0.060
3	64QAM	15	0	17.53	0.057	17.80	0.060	17.63	0.058



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	19.93	0.098	19.99	0.100	19.94	0.099
1.4	QPSK	1	3	19.84	0.096	19.89	0.097	19.83	0.096
1.4	QPSK	1	5	19.73	0.094	19.82	0.096	19.81	0.096
1.4	QPSK	3	0	18.74	0.075	19.06	0.081	18.88	0.077
1.4	QPSK	3	1	18.72	0.074	18.97	0.079	18.78	0.076
1.4	QPSK	3	3	18.68	0.074	18.85	0.077	18.76	0.075
1.4	QPSK	6	0	18.44	0.070	18.79	0.076	18.68	0.074
1.4	16QAM	1	0	19.27	0.085	19.14	0.082	19.52	0.090
1.4	16QAM	1	3	19.18	0.083	19.11	0.081	19.50	0.089
1.4	16QAM	1	5	19.13	0.082	19.06	0.081	19.32	0.086
1.4	16QAM	3	0	17.79	0.060	18.00	0.063	17.91	0.062
1.4	16QAM	3	1	17.68	0.059	17.91	0.062	17.84	0.061
1.4	16QAM	3	3	17.66	0.058	17.95	0.062	17.79	0.060
1.4	16QAM	6	0	17.64	0.058	17.78	0.060	17.71	0.059
1.4	64QAM	1	0	19.08	0.081	19.06	0.081	19.09	0.081
1.4	64QAM	1	3	18.98	0.079	18.99	0.079	19.04	0.080
1.4	64QAM	1	5	18.92	0.078	18.85	0.077	18.96	0.079
1.4	64QAM	3	0	17.79	0.060	17.98	0.063	17.94	0.062
1.4	64QAM	3	1	17.71	0.059	17.91	0.062	17.86	0.061
1.4	64QAM	3	3	17.62	0.058	17.76	0.060	17.72	0.059
1.4	64QAM	6	0	17.47	0.056	17.74	0.059	17.57	0.057



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	19.94	0.099	20.21	0.105	20.16	0.104
10	QPSK	1	25	19.85	0.097	20.12	0.103	20.06	0.101
10	QPSK	1	49	19.86	0.097	20.07	0.102	19.95	0.099
10	QPSK	25	0	19.24	0.084	19.29	0.085	19.13	0.082
10	QPSK	25	12	19.18	0.083	19.10	0.081	19.13	0.082
10	QPSK	25	25	19.19	0.083	19.12	0.082	19.11	0.081
10	QPSK	50	0	18.88	0.077	18.83	0.076	19.01	0.080
10	16QAM	1	0	19.72	0.094	19.58	0.091	19.53	0.090
10	16QAM	1	25	19.66	0.092	19.57	0.091	19.52	0.090
10	16QAM	1	49	19.52	0.090	19.46	0.088	19.46	0.088
10	16QAM	25	0	18.33	0.068	18.00	0.063	18.13	0.065
10	16QAM	25	12	18.26	0.067	17.93	0.062	18.09	0.064
10	16QAM	25	25	18.16	0.065	17.90	0.062	18.07	0.064
10	16QAM	50	0	17.96	0.063	17.79	0.060	18.03	0.064
10	64QAM	1	0	19.38	0.087	19.40	0.087	19.31	0.085
10	64QAM	1	25	19.26	0.084	19.37	0.086	19.26	0.084
10	64QAM	1	49	19.20	0.083	19.31	0.085	19.19	0.083
10	64QAM	25	0	18.17	0.066	18.06	0.064	18.19	0.066
10	64QAM	25	12	18.14	0.065	17.98	0.063	18.07	0.064
10	64QAM	25	25	18.11	0.065	17.93	0.062	18.13	0.065
10	64QAM	50	0	18.07	0.064	17.71	0.059	17.92	0.062



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	19.88	0.097	19.98	0.100	20.10	0.102
5	QPSK	1	12	19.77	0.095	20.04	0.101	19.98	0.100
5	QPSK	1	24	19.78	0.095	19.99	0.100	19.87	0.097
5	QPSK	12	0	19.16	0.082	19.25	0.084	19.05	0.080
5	QPSK	12	7	19.10	0.081	19.02	0.080	19.05	0.080
5	QPSK	12	13	19.11	0.081	19.04	0.080	19.03	0.080
5	QPSK	25	0	18.80	0.076	18.75	0.075	18.93	0.078
5	16QAM	1	0	19.57	0.091	19.64	0.092	19.52	0.090
5	16QAM	1	12	19.52	0.090	19.49	0.089	19.44	0.088
5	16QAM	1	24	19.44	0.088	19.38	0.087	19.38	0.087
5	16QAM	12	0	18.25	0.067	17.92	0.062	18.05	0.064
5	16QAM	12	7	18.18	0.066	17.85	0.061	18.01	0.063
5	16QAM	12	13	18.08	0.064	17.82	0.061	17.99	0.063
5	16QAM	25	0	17.88	0.061	17.71	0.059	17.95	0.062
5	64QAM	1	0	19.30	0.085	19.32	0.086	19.23	0.084
5	64QAM	1	12	19.18	0.083	19.29	0.085	19.18	0.083
5	64QAM	1	24	19.12	0.082	19.23	0.084	19.11	0.081
5	64QAM	12	0	18.09	0.064	17.98	0.063	18.11	0.065
5	64QAM	12	7	18.04	0.064	17.88	0.061	17.97	0.063
5	64QAM	12	13	18.01	0.063	17.83	0.061	18.03	0.064
5	64QAM	25	0	17.97	0.063	17.61	0.058	17.82	0.061



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132072		132322		132572	
Frequency (MHz)				1720		1745		1770	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	21.51	0.142	21.80	0.151	21.77	0.150
20	QPSK	1	49	21.43	0.139	21.69	0.148	21.73	0.149
20	QPSK	1	99	21.32	0.136	21.60	0.145	21.64	0.146
20	QPSK	50	0	20.50	0.112	20.61	0.115	20.58	0.114
20	QPSK	50	24	20.45	0.111	20.52	0.113	20.51	0.112
20	QPSK	50	50	20.32	0.108	20.40	0.110	20.37	0.109
20	QPSK	100	0	20.30	0.107	20.26	0.106	20.35	0.108
20	16QAM	1	0	21.32	0.136	21.16	0.131	21.23	0.133
20	16QAM	1	49	21.21	0.132	21.08	0.128	21.23	0.133
20	16QAM	1	99	21.12	0.129	20.99	0.126	21.13	0.130
20	16QAM	50	0	19.52	0.090	19.88	0.097	19.73	0.094
20	16QAM	50	24	19.40	0.087	19.84	0.096	19.70	0.093
20	16QAM	50	50	19.46	0.088	19.80	0.095	19.50	0.089
20	16QAM	100	0	19.23	0.084	19.71	0.094	19.31	0.085
20	64QAM	1	0	20.10	0.102	20.08	0.102	20.52	0.113
20	64QAM	1	49	20.06	0.101	20.07	0.102	20.42	0.110
20	64QAM	1	99	20.04	0.101	20.05	0.101	20.30	0.107
20	64QAM	50	0	19.16	0.082	19.24	0.084	19.56	0.090
20	64QAM	50	24	19.13	0.082	19.15	0.082	19.50	0.089
20	64QAM	50	50	19.10	0.081	19.08	0.081	19.19	0.083
20	64QAM	100	0	18.96	0.079	18.99	0.079	19.12	0.082



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132047		132322		132597	
Frequency (MHz)				1717.5		1745		1772.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	21.46	0.140	21.76	0.150	21.71	0.148
15	QPSK	1	37	21.39	0.138	21.64	0.146	21.70	0.148
15	QPSK	1	74	21.27	0.134	21.55	0.143	21.61	0.145
15	QPSK	36	0	20.46	0.111	20.57	0.114	20.54	0.113
15	QPSK	36	20	20.41	0.110	20.48	0.112	20.47	0.111
15	QPSK	36	39	20.28	0.107	20.36	0.109	20.33	0.108
15	QPSK	75	0	20.26	0.106	20.22	0.105	20.31	0.107
15	16QAM	1	0	21.28	0.134	21.12	0.129	21.19	0.132
15	16QAM	1	37	21.17	0.131	21.04	0.127	21.19	0.132
15	16QAM	1	74	21.08	0.128	20.95	0.124	21.09	0.129
15	16QAM	36	0	19.48	0.089	19.84	0.096	19.69	0.093
15	16QAM	36	20	19.36	0.086	19.80	0.095	19.66	0.092
15	16QAM	36	39	19.42	0.087	19.76	0.095	19.46	0.088
15	16QAM	75	0	19.19	0.083	19.67	0.093	19.27	0.085
15	64QAM	1	0	20.06	0.101	20.04	0.101	20.48	0.112
15	64QAM	1	37	20.02	0.100	20.03	0.101	20.38	0.109
15	64QAM	1	74	20.00	0.100	20.01	0.100	20.26	0.106
15	64QAM	36	0	19.12	0.082	19.20	0.083	19.52	0.090
15	64QAM	36	20	19.09	0.081	19.11	0.081	19.46	0.088
15	64QAM	36	39	19.06	0.081	19.04	0.080	19.15	0.082
15	64QAM	75	0	18.92	0.078	18.95	0.079	19.08	0.081



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132022		132322		132622	
Frequency (MHz)				1715		1745		1775	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	21.36	0.137	21.66	0.147	21.63	0.146
10	QPSK	1	25	21.30	0.135	21.58	0.144	21.59	0.144
10	QPSK	1	49	21.21	0.132	21.48	0.141	21.55	0.143
10	QPSK	25	0	20.42	0.110	20.53	0.113	20.50	0.112
10	QPSK	25	12	20.37	0.109	20.44	0.111	20.43	0.110
10	QPSK	25	25	20.24	0.106	20.32	0.108	20.29	0.107
10	QPSK	50	0	20.22	0.105	20.18	0.104	20.27	0.106
10	16QAM	1	0	21.24	0.133	21.08	0.128	21.15	0.130
10	16QAM	1	25	21.13	0.130	21.00	0.126	21.15	0.130
10	16QAM	1	49	21.04	0.127	20.91	0.123	21.05	0.127
10	16QAM	25	0	19.44	0.088	19.80	0.095	19.65	0.092
10	16QAM	25	12	19.32	0.086	19.76	0.095	19.62	0.092
10	16QAM	25	25	19.38	0.087	19.72	0.094	19.42	0.087
10	16QAM	50	0	19.15	0.082	19.63	0.092	19.23	0.084
10	64QAM	1	0	20.02	0.100	20.00	0.100	20.44	0.111
10	64QAM	1	25	19.98	0.100	19.99	0.100	20.34	0.108
10	64QAM	1	49	19.96	0.099	19.97	0.099	20.22	0.105
10	64QAM	25	0	19.08	0.081	19.16	0.082	19.48	0.089
10	64QAM	25	12	19.05	0.080	19.07	0.081	19.42	0.087
10	64QAM	25	25	19.02	0.080	19.00	0.079	19.11	0.081
10	64QAM	50	0	18.88	0.077	18.91	0.078	19.04	0.080



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131997		132322		132647	
Frequency (MHz)				1712.5		1745		1777.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	21.31	0.135	21.60	0.145	21.58	0.144
5	QPSK	1	12	21.25	0.133	21.55	0.143	21.54	0.143
5	QPSK	1	24	21.17	0.131	21.43	0.139	21.52	0.142
5	QPSK	12	0	20.36	0.109	20.47	0.111	20.44	0.111
5	QPSK	12	7	20.31	0.107	20.38	0.109	20.37	0.109
5	QPSK	12	13	20.18	0.104	20.26	0.106	20.23	0.105
5	QPSK	25	0	20.16	0.104	20.12	0.103	20.21	0.105
5	16QAM	1	0	21.18	0.131	21.02	0.126	21.09	0.129
5	16QAM	1	12	21.07	0.128	20.94	0.124	21.09	0.129
5	16QAM	1	24	20.98	0.125	20.85	0.122	20.99	0.126
5	16QAM	12	0	19.38	0.087	19.74	0.094	19.59	0.091
5	16QAM	12	7	19.26	0.084	19.70	0.093	19.56	0.090
5	16QAM	12	13	19.32	0.086	19.66	0.092	19.36	0.086
5	16QAM	25	0	19.09	0.081	19.57	0.091	19.17	0.083
5	64QAM	1	0	19.96	0.099	19.94	0.099	20.38	0.109
5	64QAM	1	12	19.92	0.098	19.93	0.098	20.28	0.107
5	64QAM	1	24	19.90	0.098	19.91	0.098	20.16	0.104
5	64QAM	12	0	19.02	0.080	19.10	0.081	19.42	0.087
5	64QAM	12	7	18.99	0.079	19.01	0.080	19.36	0.086
5	64QAM	12	13	18.96	0.079	18.94	0.078	19.05	0.080
5	64QAM	25	0	18.82	0.076	18.85	0.077	18.98	0.079



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131987		132322		132657	
Frequency (MHz)				1711.5		1745		1778.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	21.28	0.134	21.61	0.145	21.56	0.143
3	QPSK	1	8	21.23	0.133	21.49	0.141	21.52	0.142
3	QPSK	1	14	21.17	0.131	21.4	0.138	21.43	0.139
3	QPSK	8	0	20.32	0.108	20.43	0.110	20.4	0.110
3	QPSK	8	4	20.27	0.106	20.34	0.108	20.33	0.108
3	QPSK	8	7	20.14	0.103	20.22	0.105	20.19	0.104
3	QPSK	15	0	20.12	0.103	20.08	0.102	20.17	0.104
3	16QAM	1	0	21.14	0.130	20.98	0.125	21.05	0.127
3	16QAM	1	8	21.03	0.127	20.9	0.123	21.05	0.127
3	16QAM	1	14	20.94	0.124	20.81	0.121	20.95	0.124
3	16QAM	8	0	19.34	0.086	19.7	0.093	19.55	0.090
3	16QAM	8	4	19.22	0.084	19.66	0.092	19.52	0.090
3	16QAM	8	7	19.28	0.085	19.62	0.092	19.32	0.086
3	16QAM	15	0	19.05	0.080	19.53	0.090	19.13	0.082
3	64QAM	1	0	19.92	0.098	19.9	0.098	20.34	0.108
3	64QAM	1	8	19.88	0.097	19.89	0.097	20.24	0.106
3	64QAM	1	14	19.86	0.097	19.87	0.097	20.12	0.103
3	64QAM	8	0	18.98	0.079	19.06	0.081	19.38	0.087
3	64QAM	8	4	18.95	0.079	18.97	0.079	19.32	0.086
3	64QAM	8	7	18.92	0.078	18.9	0.078	19.01	0.080
3	64QAM	15	0	18.78	0.076	18.81	0.076	18.94	0.078



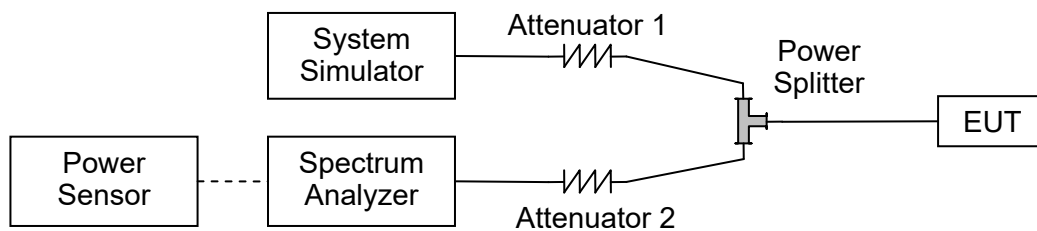
LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131979		132322		132665	
Frequency (MHz)				1710.7		1745		1779.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	21.22	0.132	21.55	0.143	21.51	0.142
1.4	QPSK	1	3	21.18	0.131	21.46	0.140	21.47	0.140
1.4	QPSK	1	5	21.13	0.130	21.38	0.137	21.40	0.138
1.4	QPSK	3	0	20.27	0.106	20.38	0.109	20.35	0.108
1.4	QPSK	3	1	20.22	0.105	20.29	0.107	20.28	0.107
1.4	QPSK	3	3	20.09	0.102	20.17	0.104	20.14	0.103
1.4	QPSK	6	0	20.07	0.102	20.03	0.101	20.12	0.103
1.4	16QAM	1	0	21.09	0.129	20.93	0.124	21.00	0.126
1.4	16QAM	1	3	20.98	0.125	20.85	0.122	21.00	0.126
1.4	16QAM	1	5	20.89	0.123	20.76	0.119	20.90	0.123
1.4	16QAM	3	0	19.29	0.085	19.65	0.092	19.50	0.089
1.4	16QAM	3	1	19.17	0.083	19.61	0.091	19.47	0.089
1.4	16QAM	3	3	19.23	0.084	19.57	0.091	19.27	0.085
1.4	16QAM	6	0	19.00	0.079	19.48	0.089	19.08	0.081
1.4	64QAM	1	0	19.87	0.097	19.85	0.097	20.29	0.107
1.4	64QAM	1	3	19.83	0.096	19.84	0.096	20.19	0.104
1.4	64QAM	1	5	19.81	0.096	19.82	0.096	20.07	0.102
1.4	64QAM	3	0	18.93	0.078	19.01	0.080	19.33	0.086
1.4	64QAM	3	1	18.90	0.078	18.92	0.078	19.27	0.085
1.4	64QAM	3	3	18.87	0.077	18.85	0.077	18.96	0.079
1.4	64QAM	6	0	18.73	0.075	18.76	0.075	18.89	0.077

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	1.10	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	1.10	1.25
	High	16QAM	1.09	1.25
	High	64QAM	1.10	1.25
3	Low	QPSK	2.71	3.05
	Low	16QAM	2.71	3.06
	Low	64QAM	2.72	3.04
	Mid	QPSK	2.71	3.05
	Mid	16QAM	2.71	3.05
	Mid	64QAM	2.72	3.06
	High	QPSK	2.72	3.04
	High	16QAM	2.71	3.05
	High	64QAM	2.72	3.07
5	Low	QPSK	4.51	4.98
	Low	16QAM	4.50	5.00
	Low	64QAM	4.50	4.96
	Mid	QPSK	4.50	4.98
	Mid	16QAM	4.51	4.97
	Mid	64QAM	4.49	4.96
	High	QPSK	4.50	4.98
	High	16QAM	4.51	4.94
	High	64QAM	4.50	4.97
10	Low	QPSK	9.04	9.89
	Low	16QAM	8.98	9.79
	Low	64QAM	9.00	9.83
	Mid	QPSK	9.02	9.91
	Mid	16QAM	8.98	9.85
	Mid	64QAM	9.01	9.88
	High	QPSK	9.01	9.89
	High	16QAM	8.97	9.82
	High	64QAM	8.98	9.82



15	Low	QPSK	13.49	14.81
	Low	16QAM	13.49	14.92
	Low	64QAM	13.48	15.02
	Mid	QPSK	13.49	14.84
	Mid	16QAM	13.50	14.98
	Mid	64QAM	13.49	14.94
	High	QPSK	13.45	14.79
	High	16QAM	13.44	14.90
	High	64QAM	13.42	14.94
20	Low	QPSK	17.94	19.76
	Low	16QAM	18.00	19.68
	Low	64QAM	17.96	19.64
	Mid	QPSK	18.05	19.82
	Mid	16QAM	18.06	19.84
	Mid	64QAM	18.06	19.84
	High	QPSK	17.94	19.65
	High	16QAM	17.97	19.72
	High	64QAM	17.92	19.66



LTE Band 4				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.25
	Low	16QAM	1.10	1.25
	Low	64QAM	1.10	1.24
	Mid	QPSK	1.10	1.24
	Mid	16QAM	1.10	1.25
	Mid	64QAM	1.10	1.26
	High	QPSK	1.10	1.24
	High	16QAM	1.10	1.25
	High	64QAM	1.10	1.25
3	Low	QPSK	2.72	3.06
	Low	16QAM	2.72	3.05
	Low	64QAM	2.73	3.06
	Mid	QPSK	2.71	3.06
	Mid	16QAM	2.71	3.05
	Mid	64QAM	2.72	3.06
	High	QPSK	2.72	3.05
	High	16QAM	2.71	3.07
	High	64QAM	2.72	3.06
5	Low	QPSK	4.50	5.00
	Low	16QAM	4.50	4.97
	Low	64QAM	4.49	4.97
	Mid	QPSK	4.50	4.96
	Mid	16QAM	4.51	4.98
	Mid	64QAM	4.49	4.96
	High	QPSK	4.50	4.96
	High	16QAM	4.51	4.97
	High	64QAM	4.49	4.95
10	Low	QPSK	9.00	9.83
	Low	16QAM	8.96	9.83
	Low	64QAM	8.98	9.83
	Mid	QPSK	9.02	9.91
	Mid	16QAM	8.98	9.83
	Mid	64QAM	9.00	9.87
	High	QPSK	9.02	9.91
	High	16QAM	8.99	9.82
	High	64QAM	8.99	9.86



15	Low	QPSK	13.46	14.91
	Low	16QAM	13.49	15.04
	Low	64QAM	13.50	14.92
	Mid	QPSK	13.51	14.96
	Mid	16QAM	13.51	15.00
	Mid	64QAM	13.49	14.94
	High	QPSK	13.51	14.99
	High	16QAM	13.49	14.91
	High	64QAM	13.48	14.92
20	Low	QPSK	18.00	19.79
	Low	16QAM	18.03	19.84
	Low	64QAM	18.00	19.79
	Mid	QPSK	18.01	19.83
	Mid	16QAM	18.03	19.79
	Mid	64QAM	18.03	19.86
	High	QPSK	18.01	19.65
	High	16QAM	18.01	19.72
	High	64QAM	18.00	19.66



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	1.10	1.25
	High	16QAM	1.10	1.25
	High	64QAM	1.09	1.25
3	Low	QPSK	2.71	3.05
	Low	16QAM	2.71	3.06
	Low	64QAM	2.72	3.06
	Mid	QPSK	2.72	3.04
	Mid	16QAM	2.72	3.04
	Mid	64QAM	2.72	3.06
	High	QPSK	2.71	3.04
	High	16QAM	2.72	3.02
	High	64QAM	2.73	3.06
5	Low	QPSK	4.49	4.98
	Low	16QAM	4.49	4.98
	Low	64QAM	4.48	4.96
	Mid	QPSK	4.50	4.97
	Mid	16QAM	4.51	4.96
	Mid	64QAM	4.49	4.97
	High	QPSK	4.50	4.97
	High	16QAM	4.50	4.99
	High	64QAM	4.50	4.96
10	Low	QPSK	9.01	9.87
	Low	16QAM	8.94	9.79
	Low	64QAM	8.97	9.83
	Mid	QPSK	9.02	9.87
	Mid	16QAM	8.98	9.85
	Mid	64QAM	9.00	9.93
	High	QPSK	9.00	9.88
	High	16QAM	8.95	9.82
	High	64QAM	8.97	9.85



LTE Band 7				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.52	4.99
	Low	16QAM	4.49	4.96
	Low	64QAM	4.49	4.96
	Mid	QPSK	4.50	4.98
	Mid	16QAM	4.50	4.98
	Mid	64QAM	4.50	4.96
	High	QPSK	4.50	4.98
	High	16QAM	4.50	4.98
	High	64QAM	4.50	4.96
10	Low	QPSK	9.02	9.87
	Low	16QAM	8.98	9.83
	Low	64QAM	9.00	9.85
	Mid	QPSK	9.03	9.87
	Mid	16QAM	8.98	9.88
	Mid	64QAM	9.00	9.89
	High	QPSK	9.01	9.86
	High	16QAM	8.98	9.85
	High	64QAM	9.00	9.87
15	Low	QPSK	13.50	14.83
	Low	16QAM	13.49	14.96
	Low	64QAM	13.49	14.89
	Mid	QPSK	13.53	15.01
	Mid	16QAM	13.50	15.10
	Mid	64QAM	13.52	14.97
	High	QPSK	13.52	14.94
	High	16QAM	13.51	15.01
	High	64QAM	13.52	14.95
20	Low	QPSK	17.97	19.77
	Low	16QAM	18.02	19.76
	Low	64QAM	17.98	19.65
	Mid	QPSK	18.03	19.71
	Mid	16QAM	18.08	19.84
	Mid	64QAM	18.05	19.75
	High	QPSK	18.01	19.72
	High	16QAM	18.07	19.83
	High	64QAM	18.03	19.79



LTE Band 12				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.25
	Low	16QAM	1.10	1.26
	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	1.25
3	Low	QPSK	2.72	3.05
	Low	16QAM	2.71	3.05
	Low	64QAM	2.72	3.07
	Mid	QPSK	2.72	3.06
	Mid	16QAM	2.72	3.04
	Mid	64QAM	2.72	3.06
	High	QPSK	2.71	3.04
	High	16QAM	2.71	3.05
	High	64QAM	2.72	3.05
5	Low	QPSK	4.49	4.99
	Low	16QAM	4.50	4.96
	Low	64QAM	4.49	4.96
	Mid	QPSK	4.51	4.98
	Mid	16QAM	4.50	4.99
	Mid	64QAM	4.50	4.96
	High	QPSK	4.49	4.94
	High	16QAM	4.49	4.94
	High	64QAM	4.49	4.94
10	Low	QPSK	9.03	9.89
	Low	16QAM	8.97	9.8
	Low	64QAM	8.99	9.9
	Mid	QPSK	9.04	9.88
	Mid	16QAM	9.00	9.87
	Mid	64QAM	9.02	9.95
	High	QPSK	9.00	9.84
	High	16QAM	8.98	9.78
	High	64QAM	8.99	9.81



LTE Band 17				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.50	4.98
	Low	16QAM	4.50	4.99
	Low	64QAM	4.50	4.98
	Mid	QPSK	4.51	4.99
	Mid	16QAM	4.51	4.98
	Mid	64QAM	4.49	4.98
	High	QPSK	4.49	4.97
	High	16QAM	4.49	4.94
	High	64QAM	4.49	4.95
10	Low	QPSK	9.05	9.91
	Low	16QAM	9.01	9.85
	Low	64QAM	9.01	9.93
	Mid	QPSK	9.03	9.90
	Mid	16QAM	8.99	9.82
	Mid	64QAM	9.00	9.84
	High	QPSK	9.00	9.79
	High	16QAM	8.97	9.79
	High	64QAM	9.00	9.80



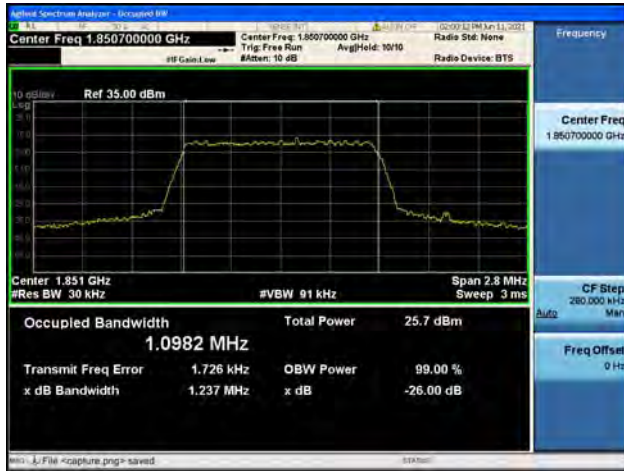
LTE Band 66				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.25
	Low	16QAM	1.09	1.25
	Low	64QAM	1.09	1.24
	Mid	QPSK	1.09	1.24
	Mid	16QAM	1.09	1.24
	Mid	64QAM	1.09	1.24
	High	QPSK	1.10	1.24
	High	16QAM	1.10	1.26
	High	64QAM	1.10	1.25
3	Low	QPSK	2.71	3.04
	Low	16QAM	2.72	3.05
	Low	64QAM	2.71	3.04
	Mid	QPSK	2.71	3.05
	Mid	16QAM	2.71	3.03
	Mid	64QAM	2.71	3.05
	High	QPSK	2.71	3.04
	High	16QAM	2.71	3.05
	High	64QAM	2.71	3.07
5	Low	QPSK	4.49	4.95
	Low	16QAM	4.50	4.98
	Low	64QAM	4.50	4.97
	Mid	QPSK	4.49	4.96
	Mid	16QAM	4.49	4.94
	Mid	64QAM	4.49	4.97
	High	QPSK	4.51	5.02
	High	16QAM	4.51	5.00
	High	64QAM	4.51	5.01
10	Low	QPSK	9.00	9.82
	Low	16QAM	8.99	9.78
	Low	64QAM	9.02	9.90
	Mid	QPSK	9.02	9.89
	Mid	16QAM	9.02	9.91
	Mid	64QAM	9.02	9.92
	High	QPSK	9.02	9.88
	High	16QAM	9.00	9.82
	High	64QAM	9.00	9.82



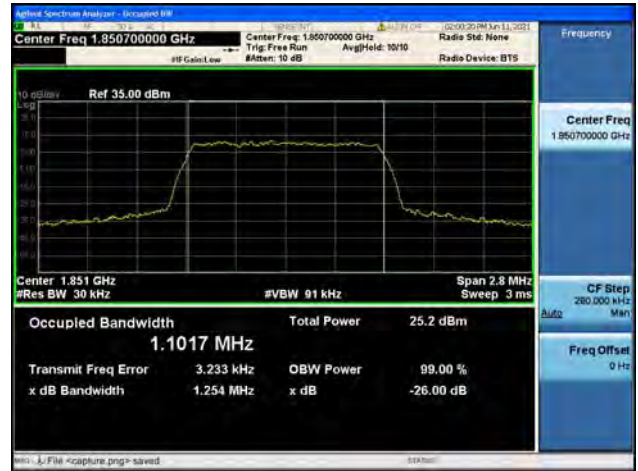
15	Low	QPSK	13.50	14.91
	Low	16QAM	13.46	14.91
	Low	64QAM	13.47	14.84
	Mid	QPSK	13.47	14.91
	Mid	16QAM	13.49	14.74
	Mid	64QAM	13.50	14.91
	High	QPSK	13.53	15.00
	High	16QAM	13.52	14.93
	High	64QAM	13.50	14.93
20	Low	QPSK	18.00	19.73
	Low	16QAM	18.01	19.60
	Low	64QAM	18.00	19.72
	Mid	QPSK	18.00	19.75
	Mid	16QAM	18.01	19.71
	Mid	64QAM	18.01	19.66
	High	QPSK	18.02	19.63
	High	16QAM	18.02	19.74
	High	64QAM	18.03	19.63



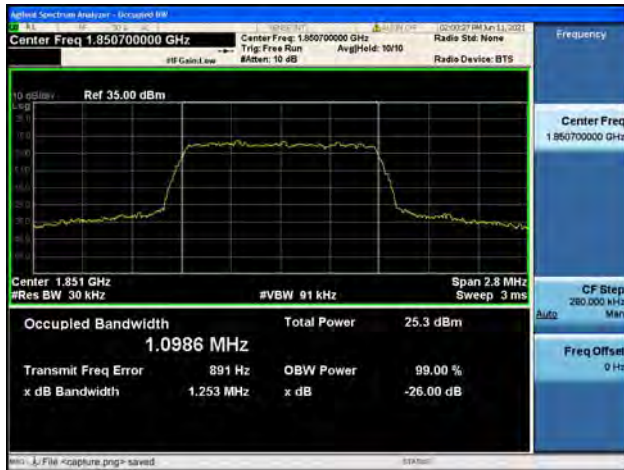
Band2 / 1.4MHz / Low CH / QPSK



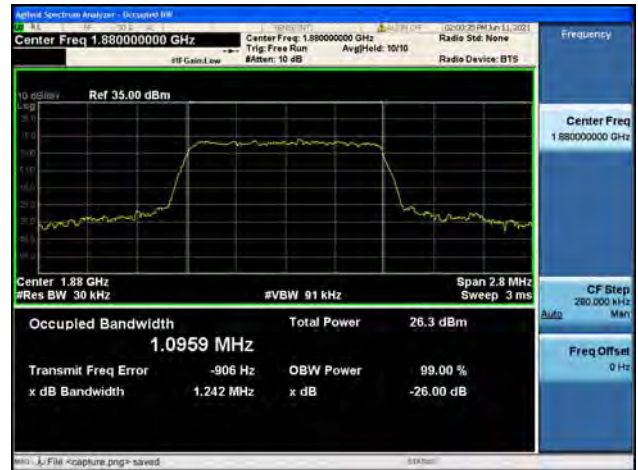
Band2 / 1.4MHz / Low CH / 16QAM



Band2 / 1.4MHz / Low CH / 64QAM



Band2 / 1.4MHz / Mid CH / QPSK



Band2 / 1.4MHz / Mid CH / 16QAM

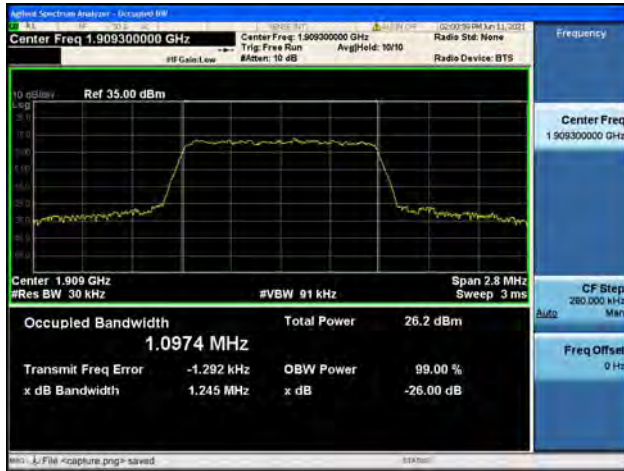


Band2 / 1.4MHz / Mid CH / 64QAM

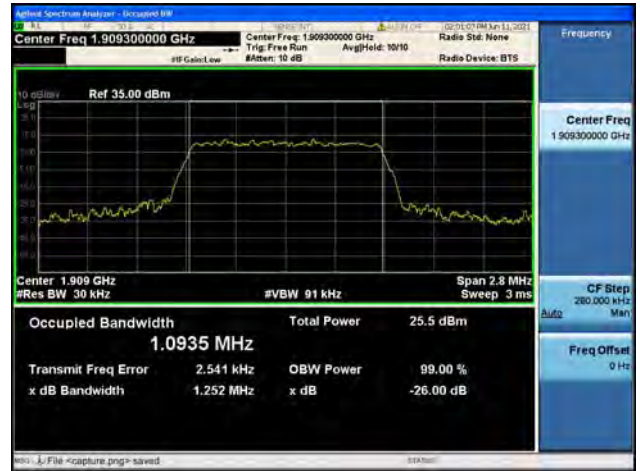




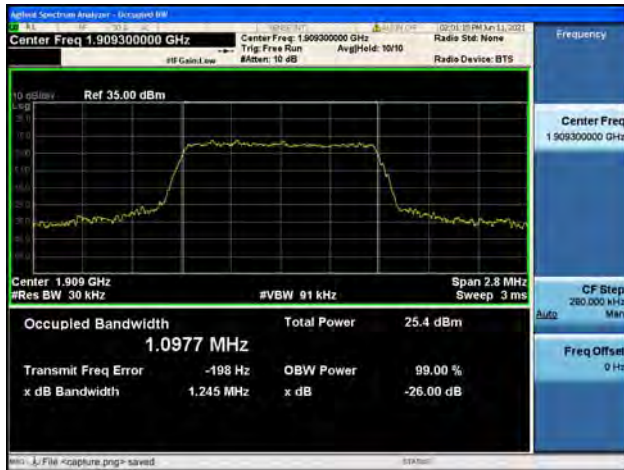
Band2 / 1.4MHz / High CH / QPSK



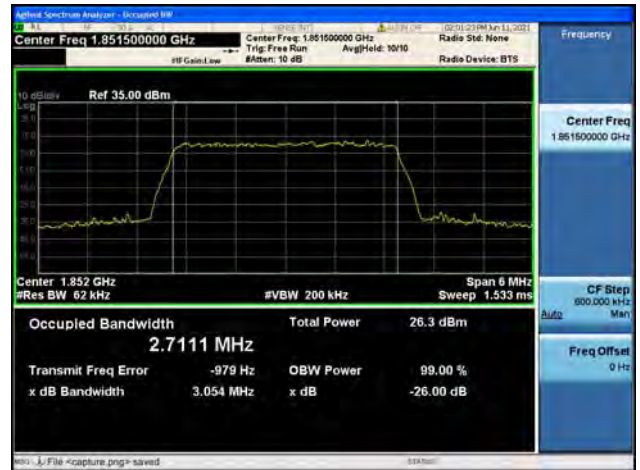
Band2 / 1.4MHz / High CH / 16QAM



Band2 / 1.4MHz / High CH / 64QAM



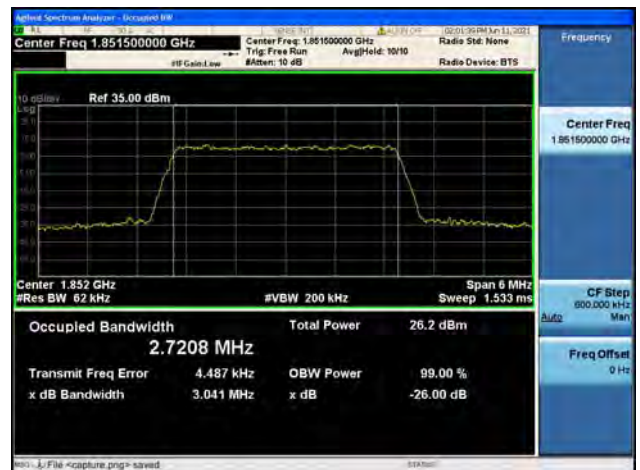
Band2 / 3MHz / Low CH / QPSK



Band2 / 3MHz / Low CH / 16QAM

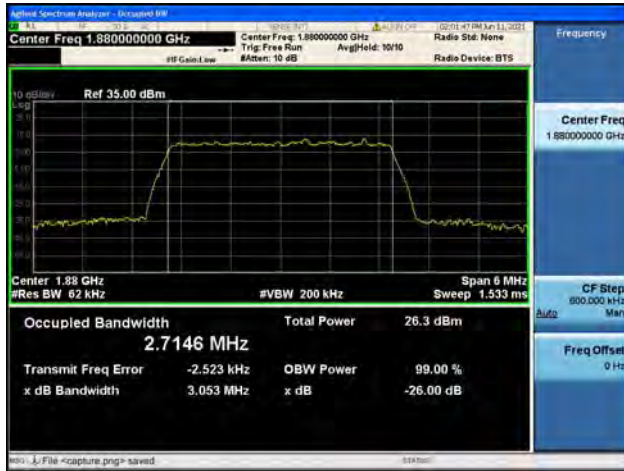


Band2 / 3MHz / Low CH / 64QAM

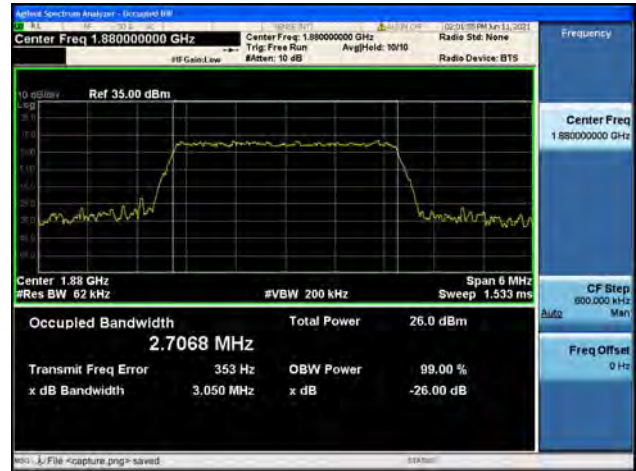




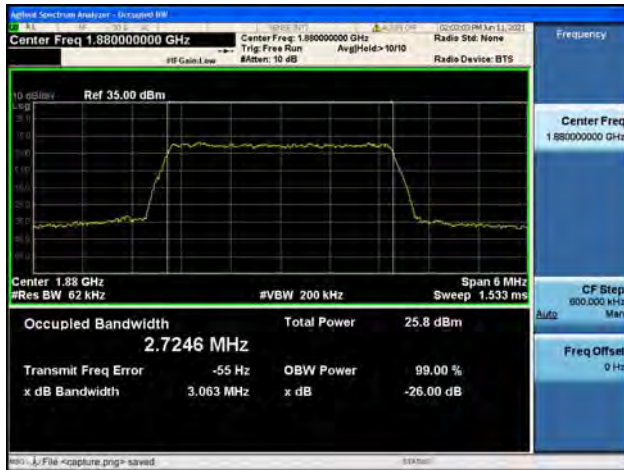
Band2 / 3MHz / Mid CH / QPSK



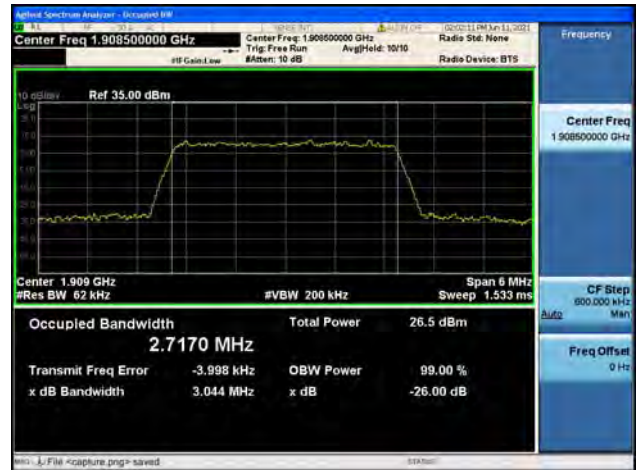
Band2 / 3MHz / Mid CH / 16QAM



Band2 / 3MHz / Mid CH / 64QAM



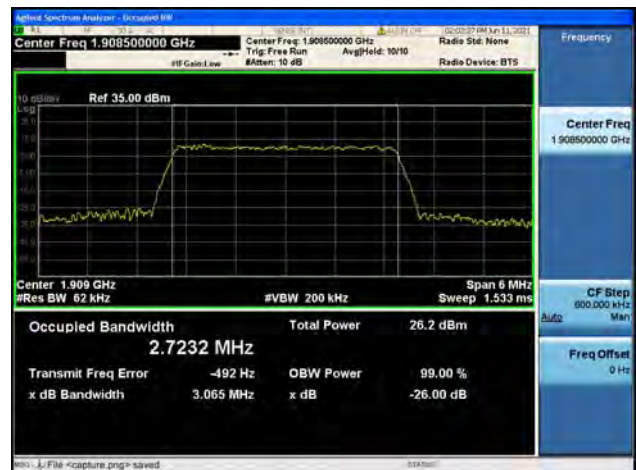
Band2 / 3MHz / High CH / QPSK



Band2 / 3MHz / High CH / 16QAM

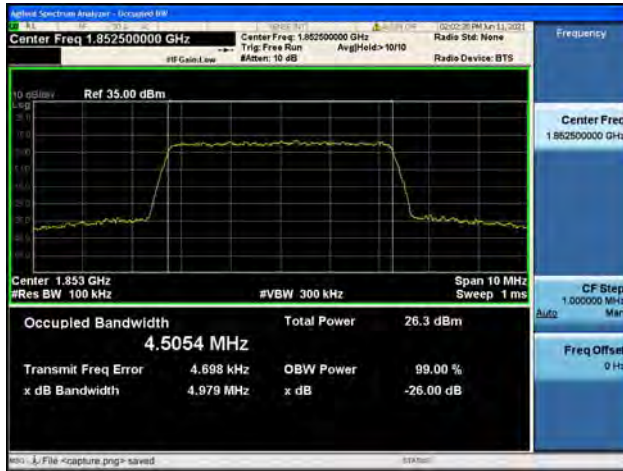


Band2 / 3MHz / High CH / 64QAM

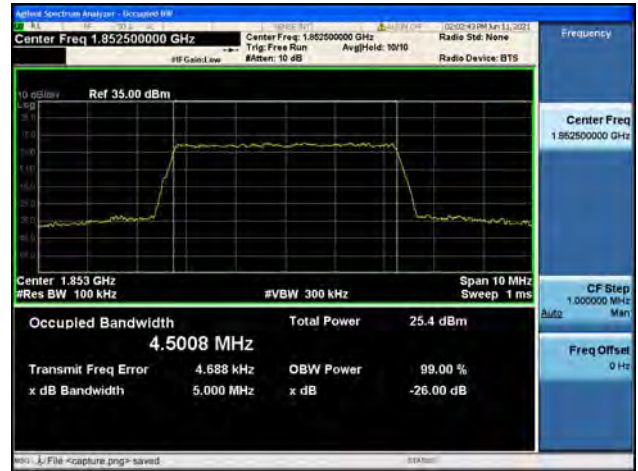




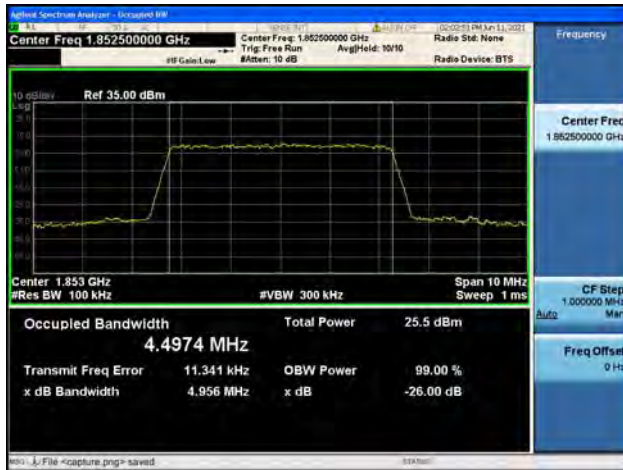
Band2 / 5MHz / Low CH / QPSK



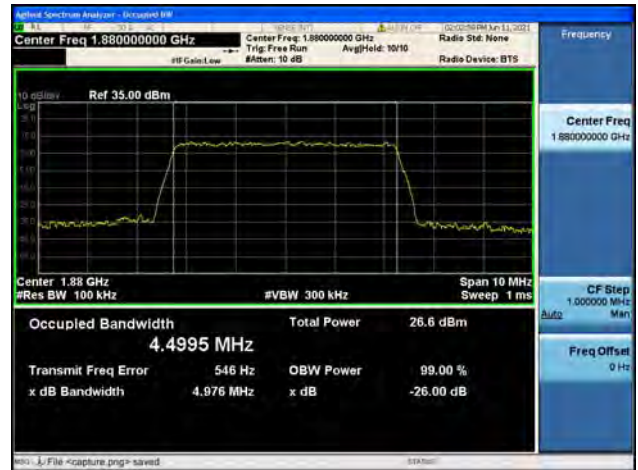
Band2 / 5MHz / Low CH / 16QAM



Band2 / 5MHz / Low CH / 64QAM



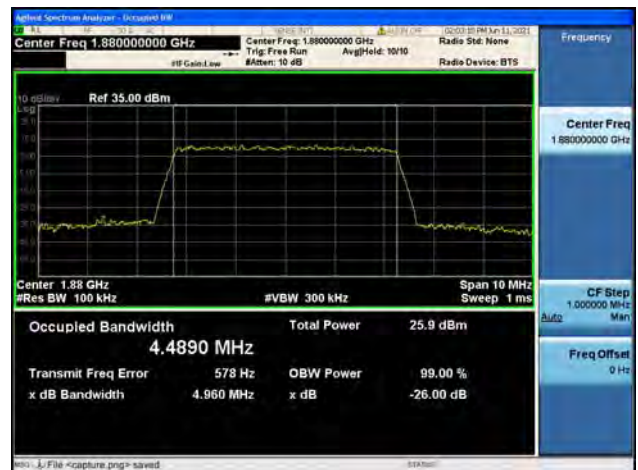
Band2 / 5MHz / Mid CH / QPSK



Band2 / 5MHz / Mid CH / 16QAM

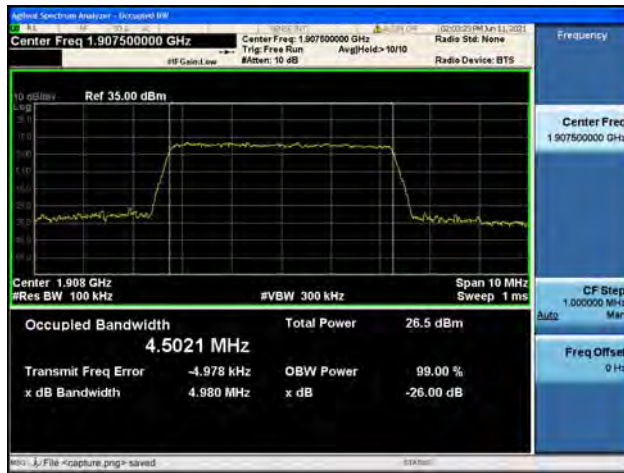


Band2 / 5MHz / Mid CH / 64QAM

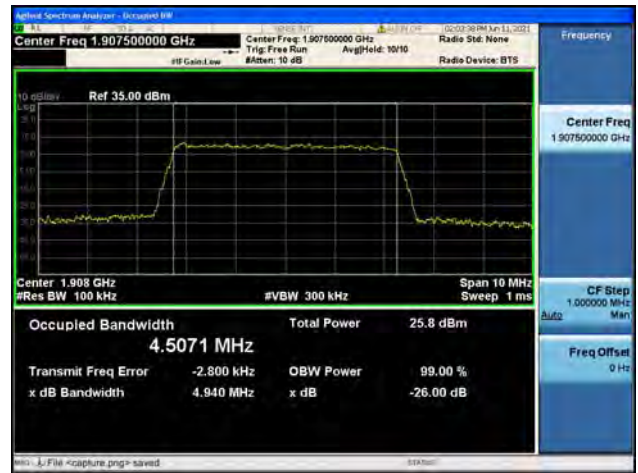




Band2 / 5MHz / High CH / QPSK



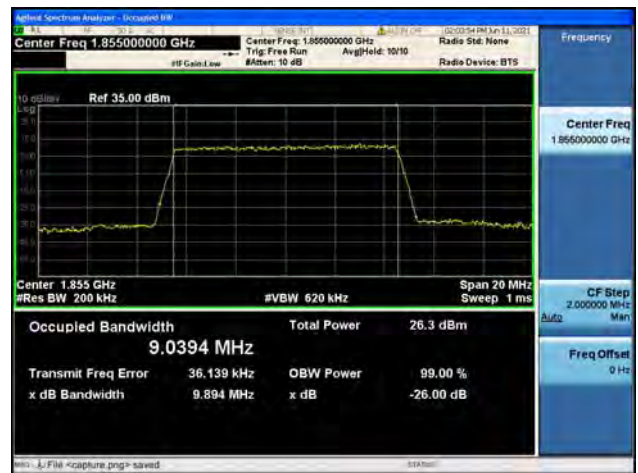
Band2 / 5MHz / High CH / 16QAM



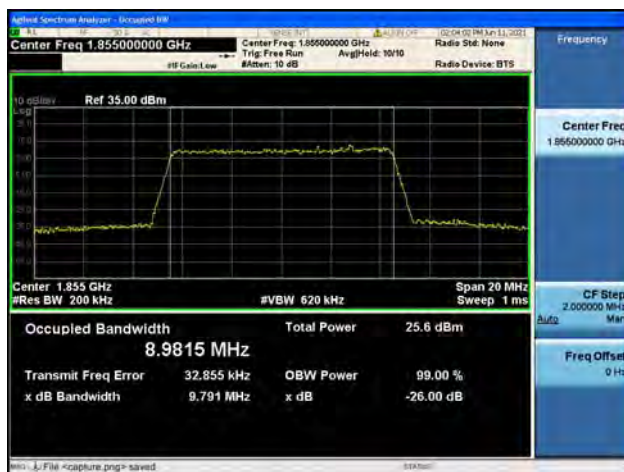
Band2 / 5MHz / High CH / 64QAM



Band2 / 10MHz / Low CH / QPSK



Band2 / 10MHz / Low CH / 16QAM

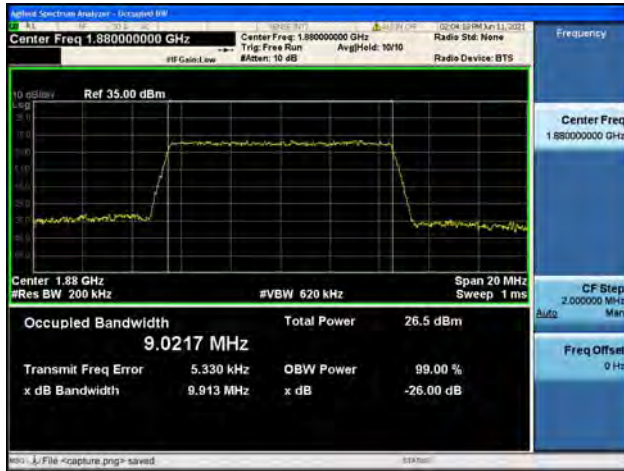


Band2 / 10MHz / Low CH / 64QAM

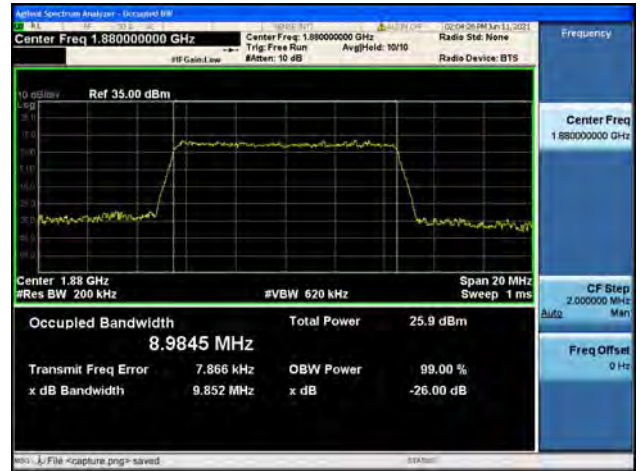




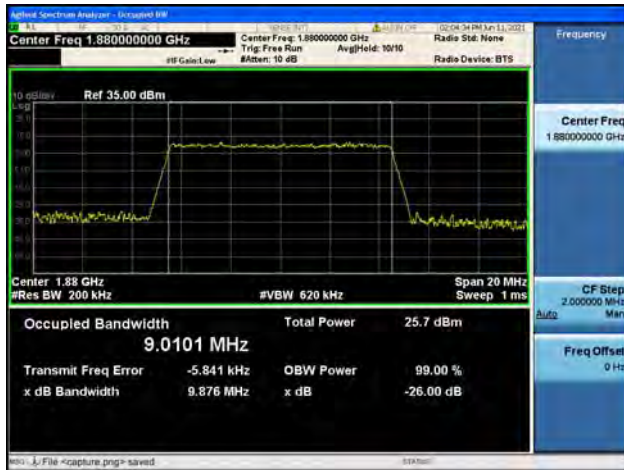
Band2 / 10MHz / Mid CH / QPSK



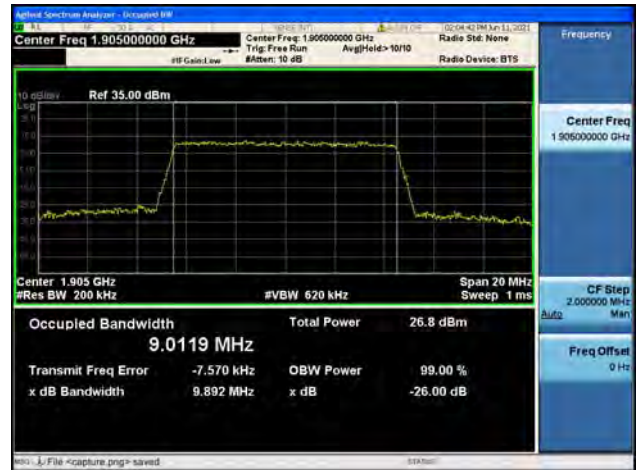
Band2 / 10MHz / Mid CH / 16QAM



Band2 / 10MHz / Mid CH / 64QAM



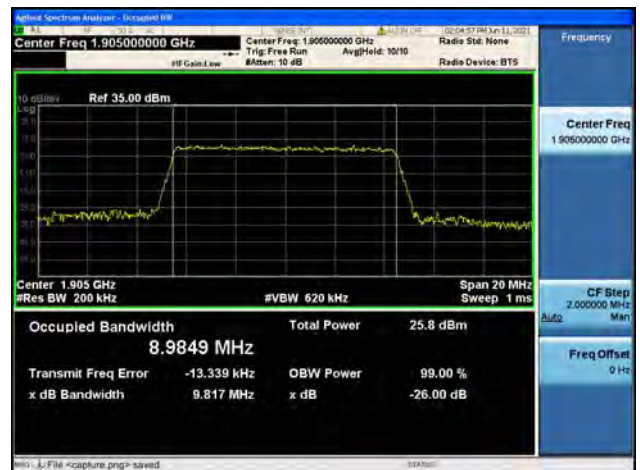
Band2 / 10MHz / High CH / QPSK



Band2 / 10MHz / High CH / 16QAM

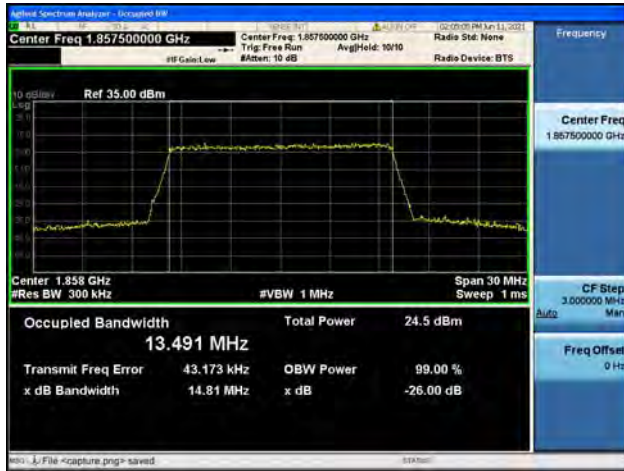


Band2 / 10MHz / High CH / 64QAM

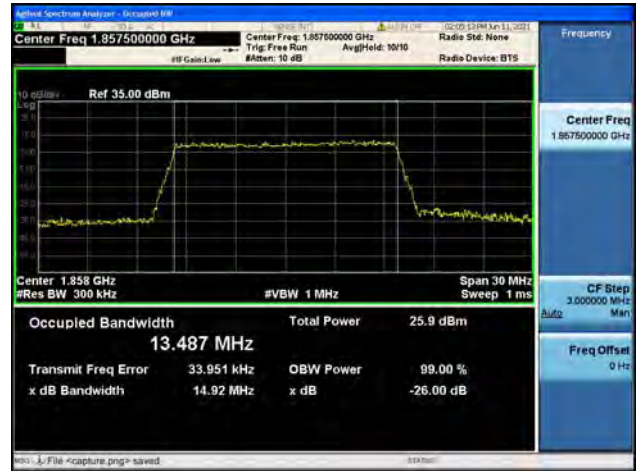




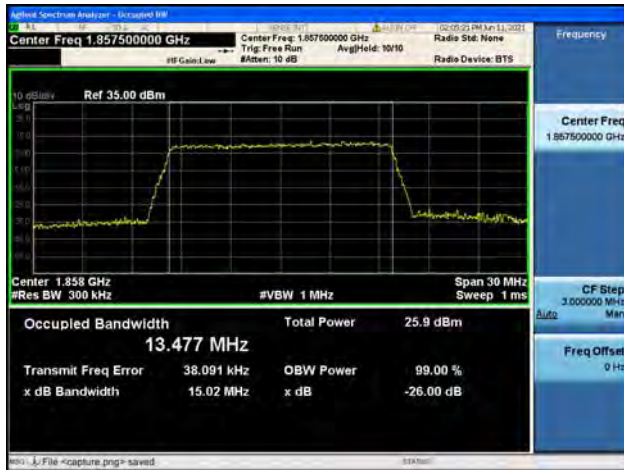
Band2 / 15MHz / Low CH / QPSK



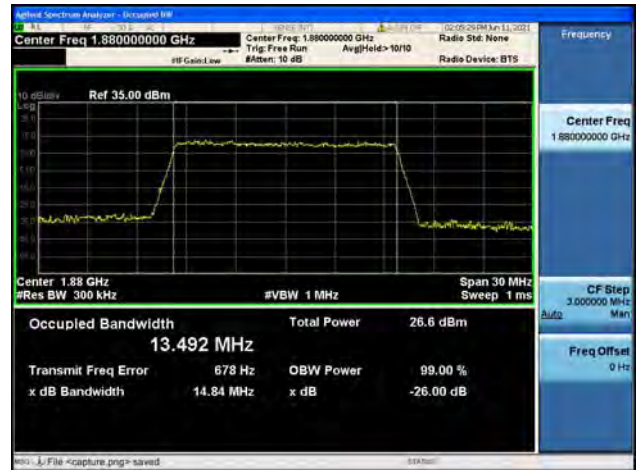
Band2 / 15MHz / Low CH / 16QAM



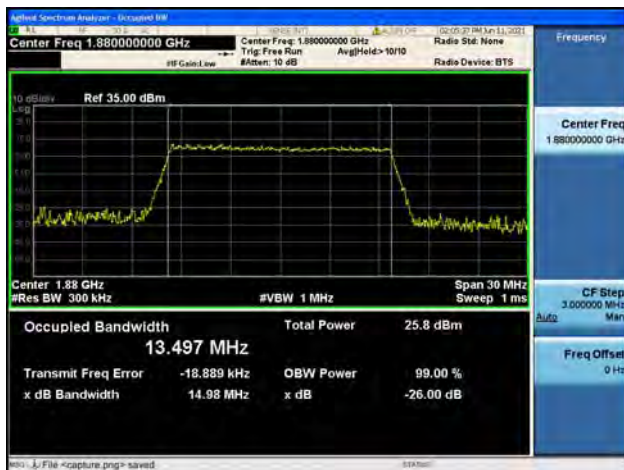
Band2 / 15MHz / Low CH / 64QAM



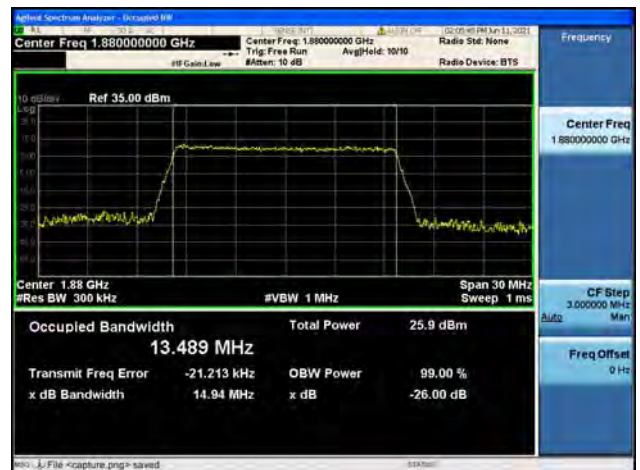
Band2 / 15MHz / Mid CH / QPSK



Band2 / 15MHz / Mid CH / 16QAM

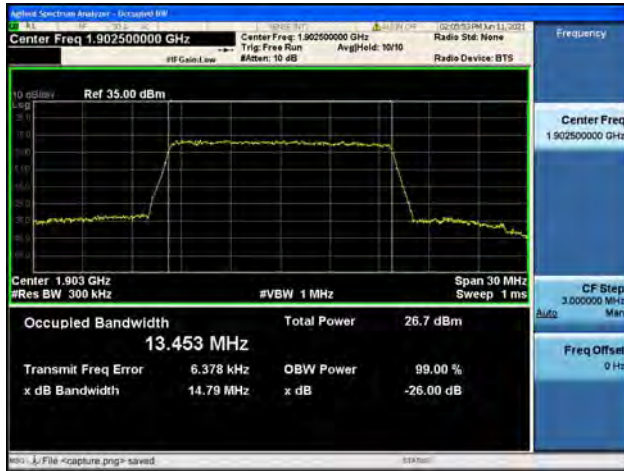


Band2 / 15MHz / Mid CH / 64QAM

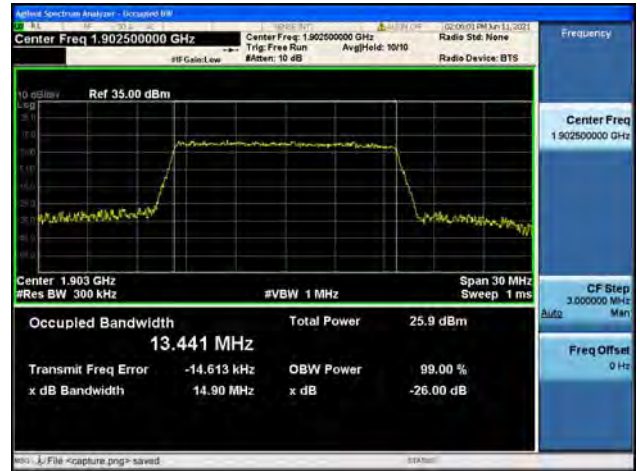




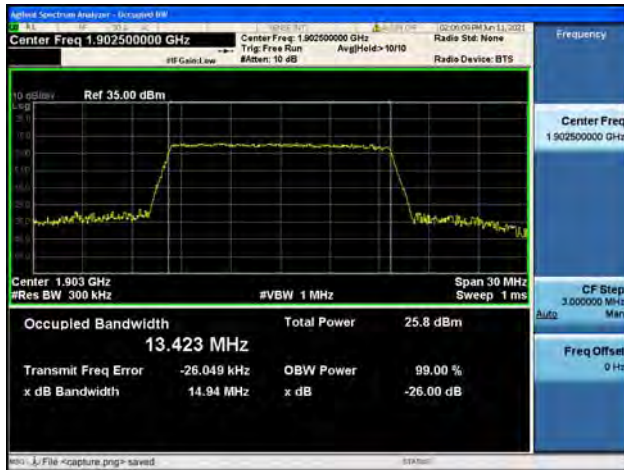
Band2 / 15MHz / High CH / QPSK



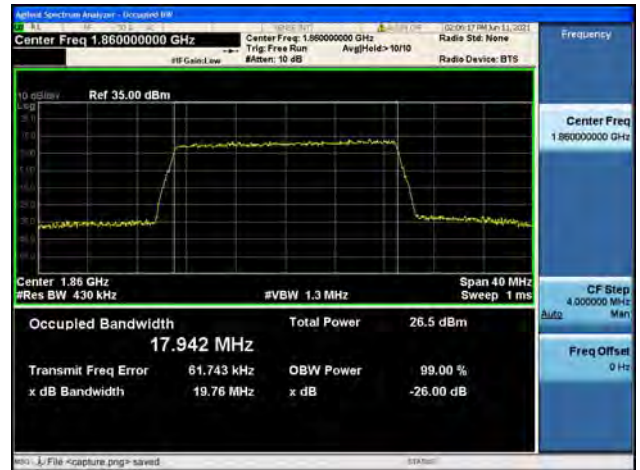
Band2 / 15MHz / High CH / 16QAM



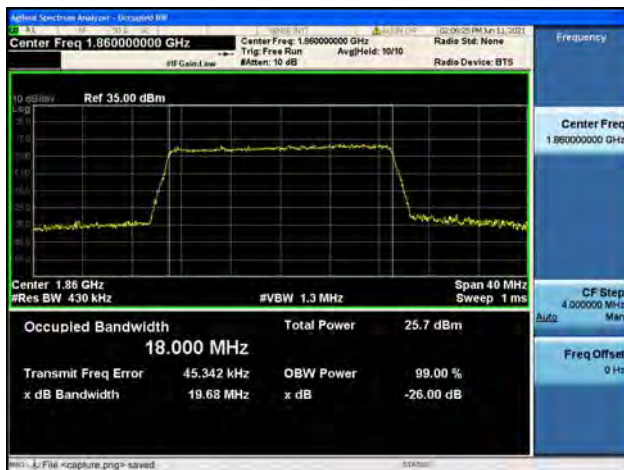
Band2 / 15MHz / High CH / 64QAM



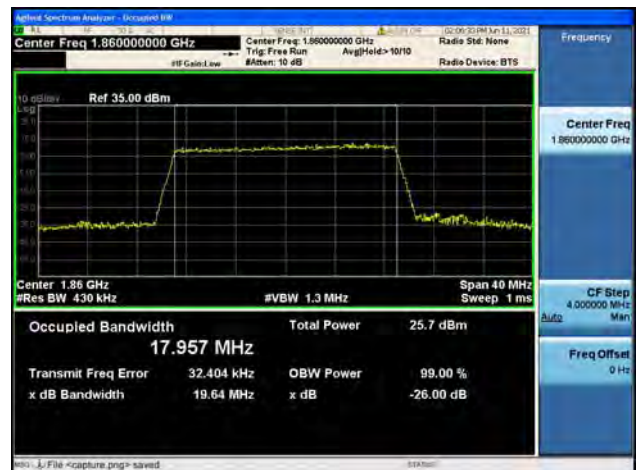
Band2 / 20MHz / Low CH / QPSK

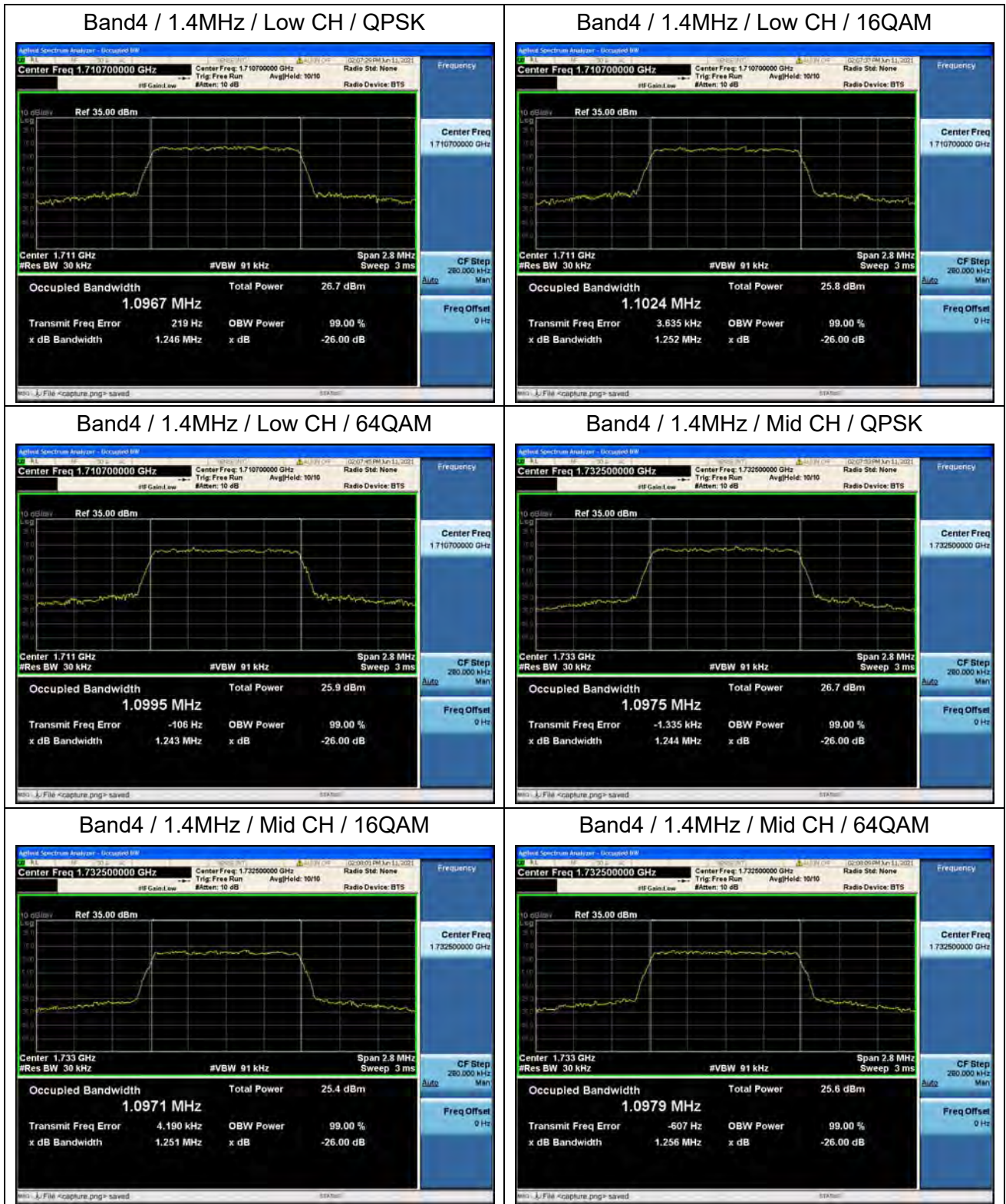


Band2 / 20MHz / Low CH / 16QAM



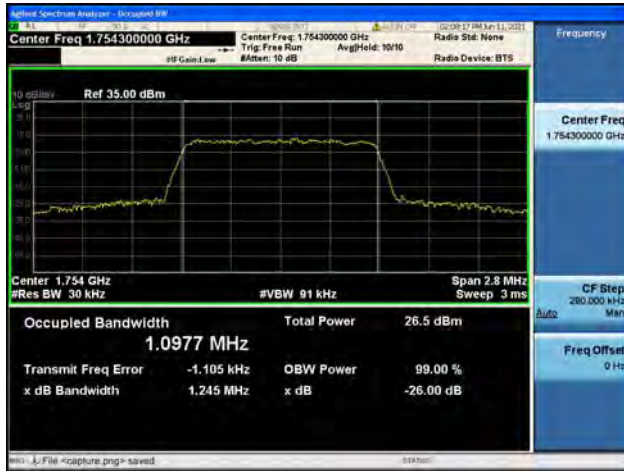
Band2 / 20MHz / Low CH / 64QAM



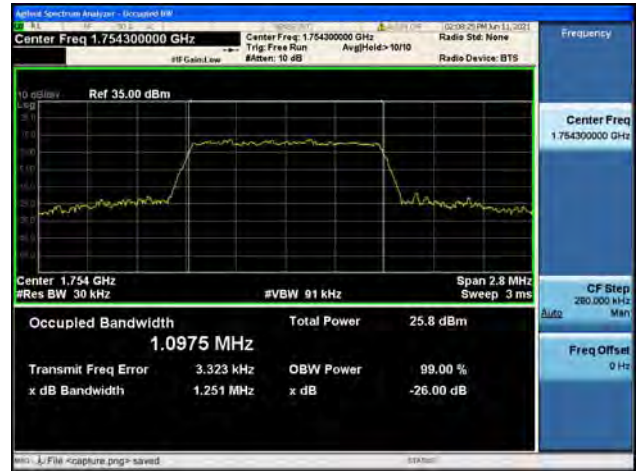




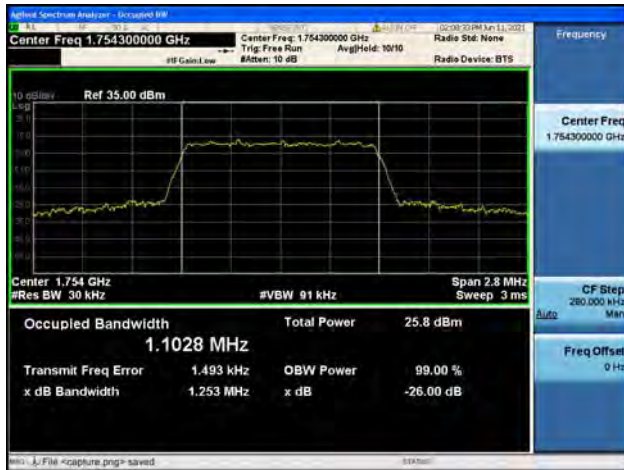
Band4 / 1.4MHz / High CH / QPSK



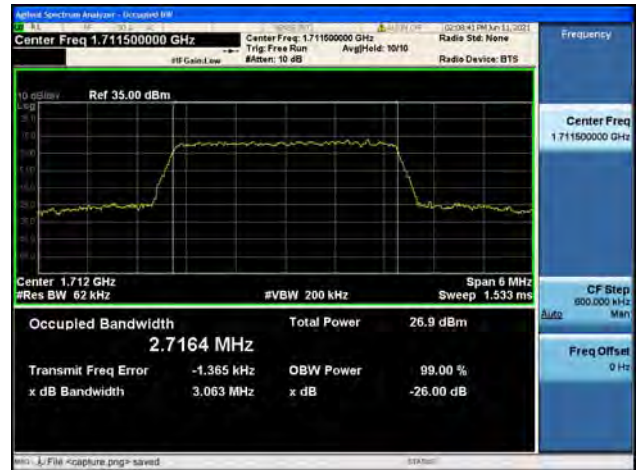
Band4 / 1.4MHz / High CH / 16QAM



Band4 / 1.4MHz / High CH / 64QAM



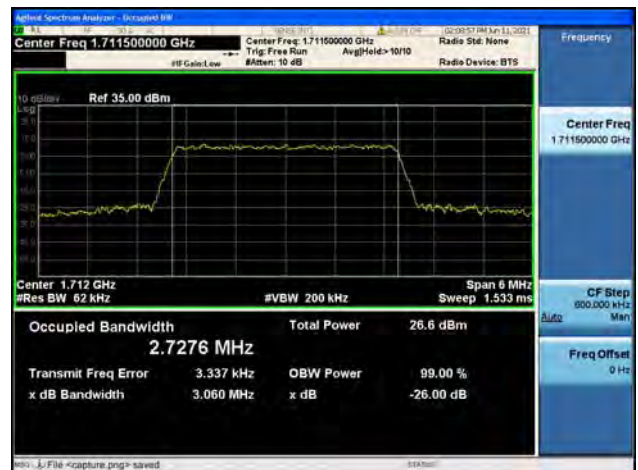
Band4 / 3MHz / Low CH / QPSK

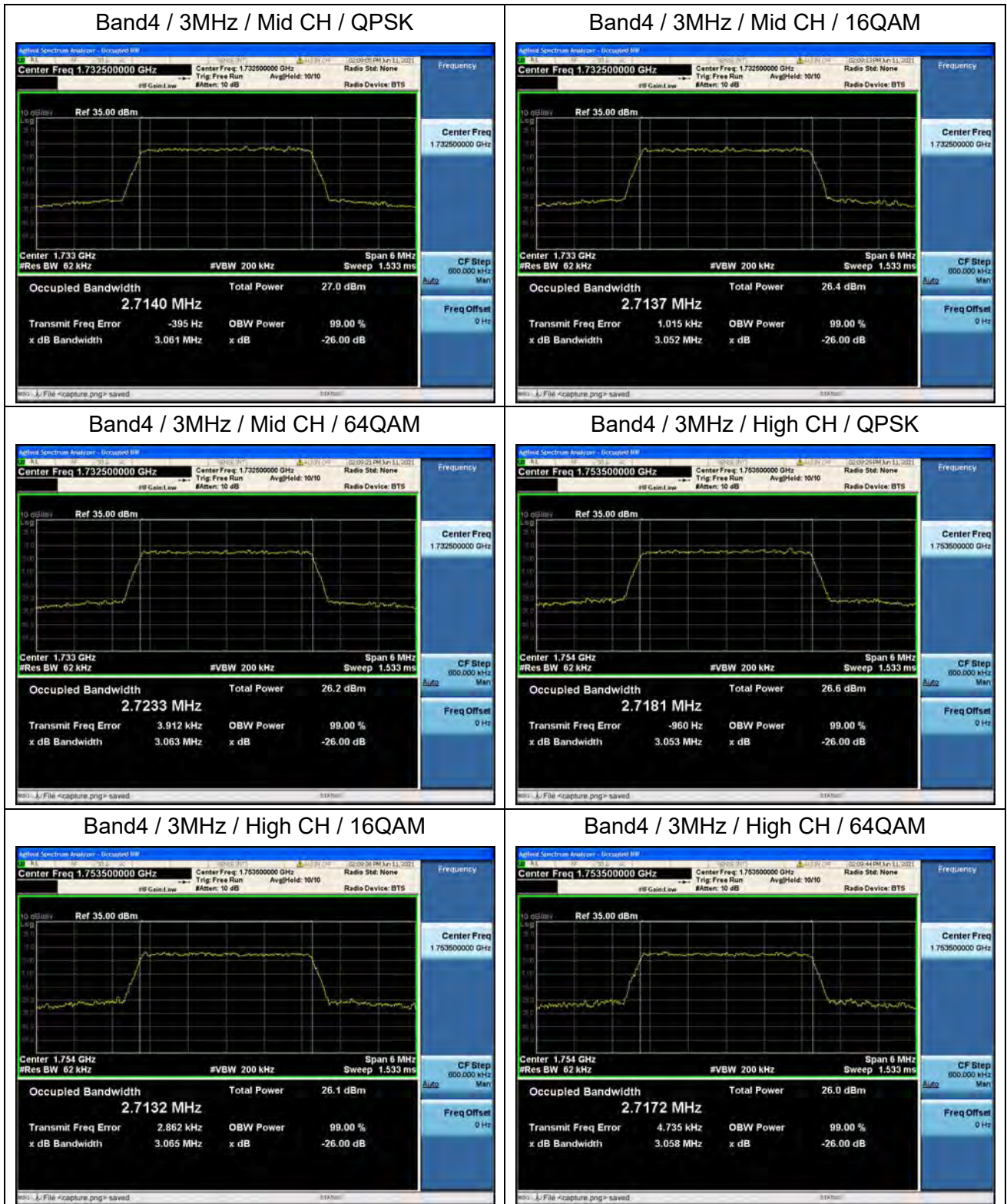


Band4 / 3MHz / Low CH / 16QAM



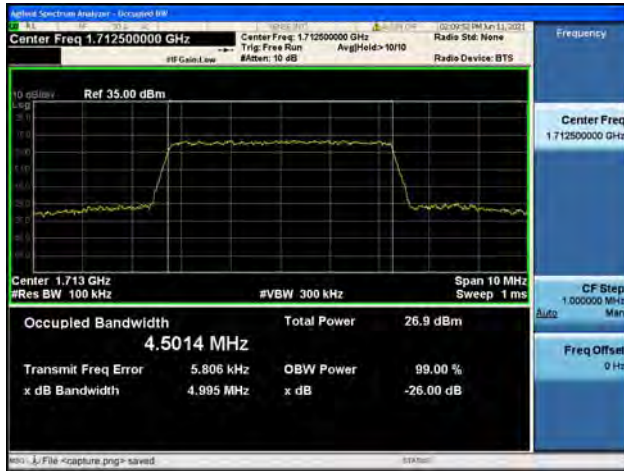
Band4 / 3MHz / Low CH / 64QAM



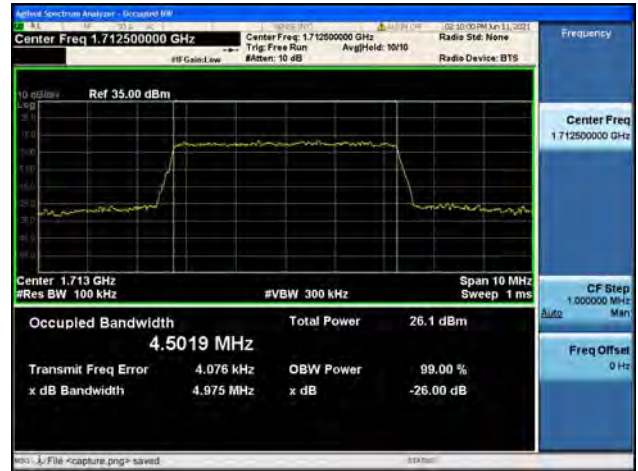




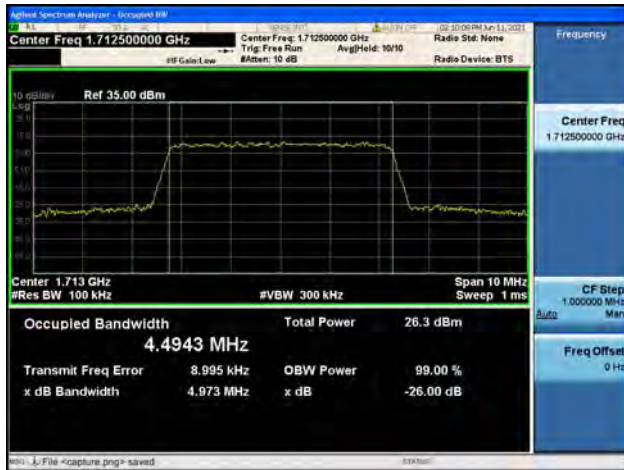
Band4 / 5MHz / Low CH / QPSK



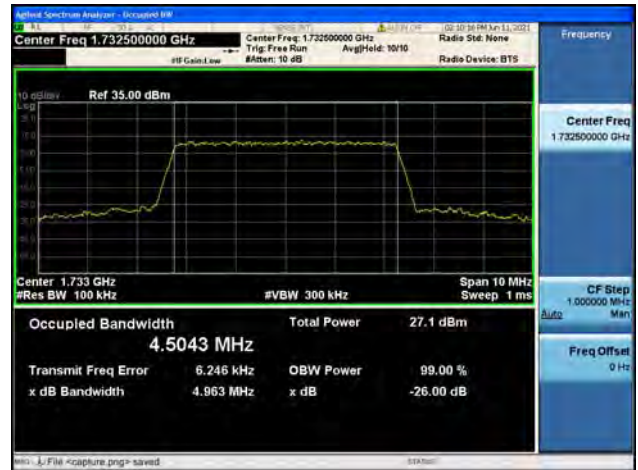
Band4 / 5MHz / Low CH / 16QAM



Band4 / 5MHz / Low CH / 64QAM



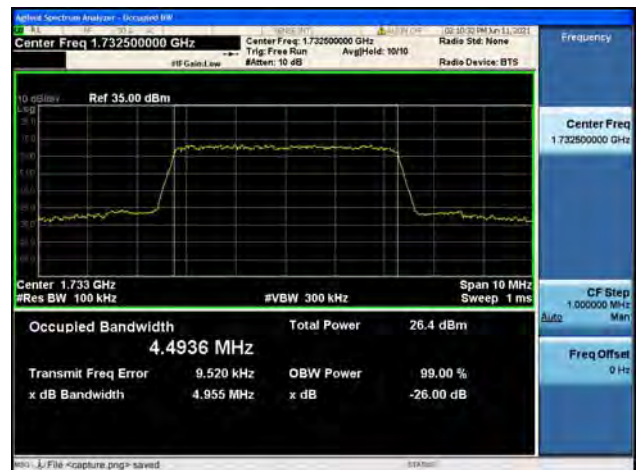
Band4 / 5MHz / Mid CH / QPSK



Band4 / 5MHz / Mid CH / 16QAM

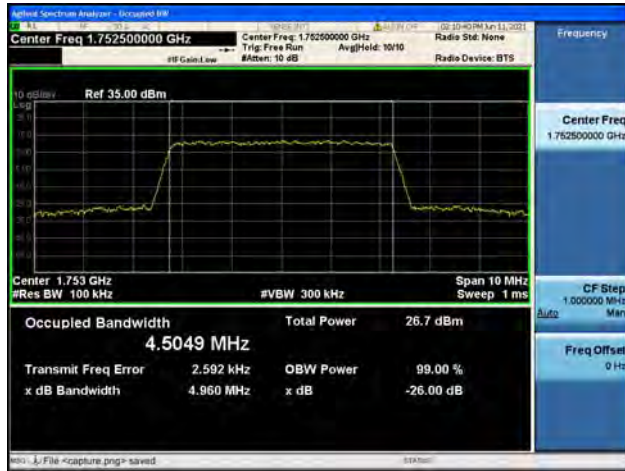


Band4 / 5MHz / Mid CH / 64QAM





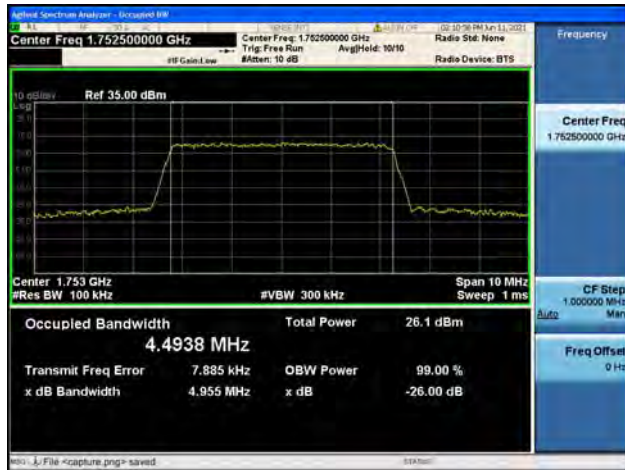
Band4 / 5MHz / High CH / QPSK



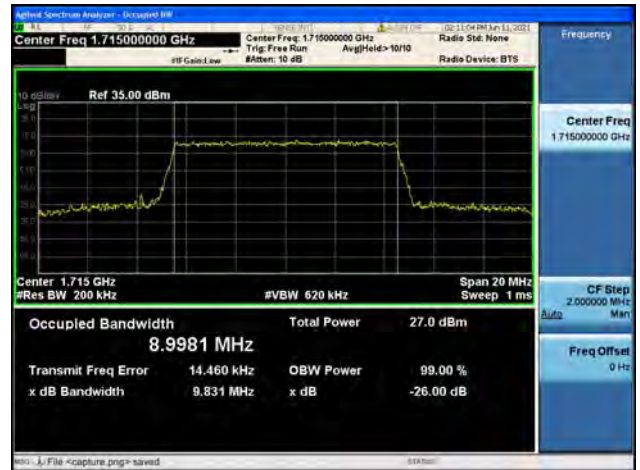
Band4 / 5MHz / High CH / 16QAM



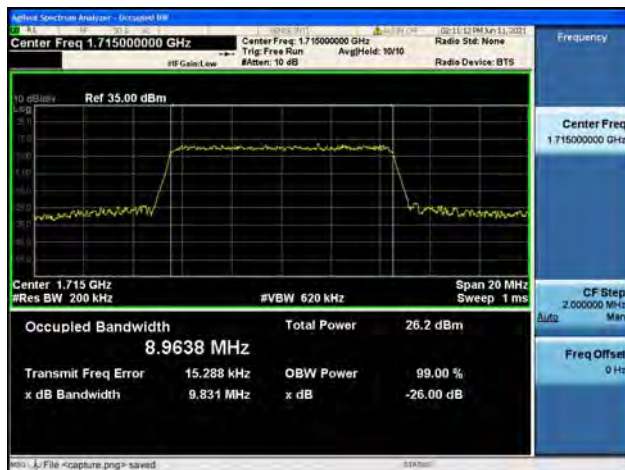
Band4 / 5MHz / High CH / 64QAM



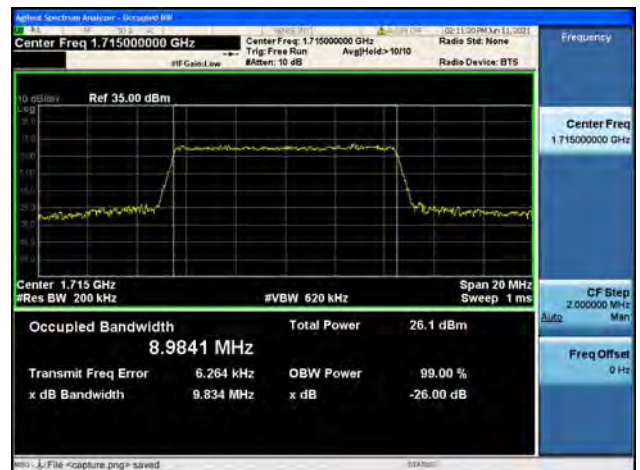
Band4 / 10MHz / Low CH / QPSK



Band4 / 10MHz / Low CH / 16QAM

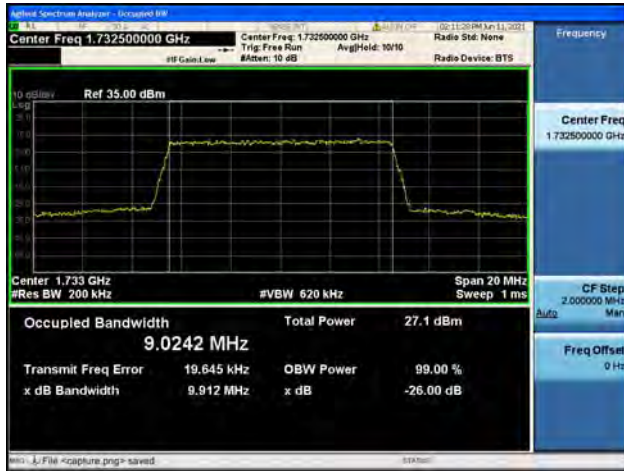


Band4 / 10MHz / Low CH / 64QAM

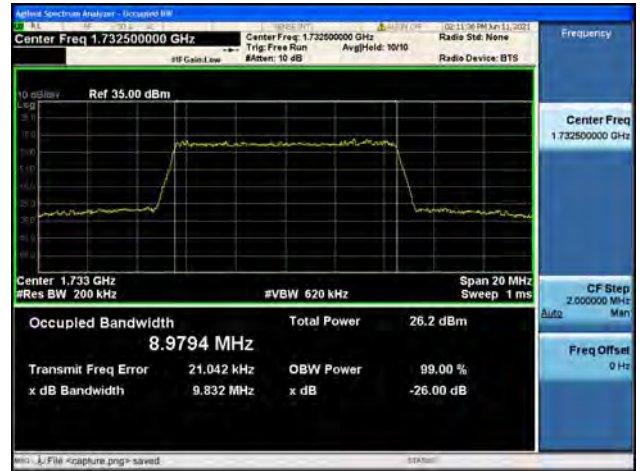




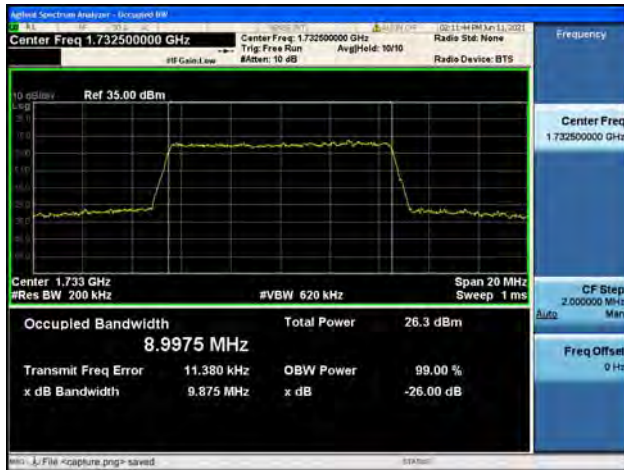
Band4 / 10MHz / Mid CH / QPSK



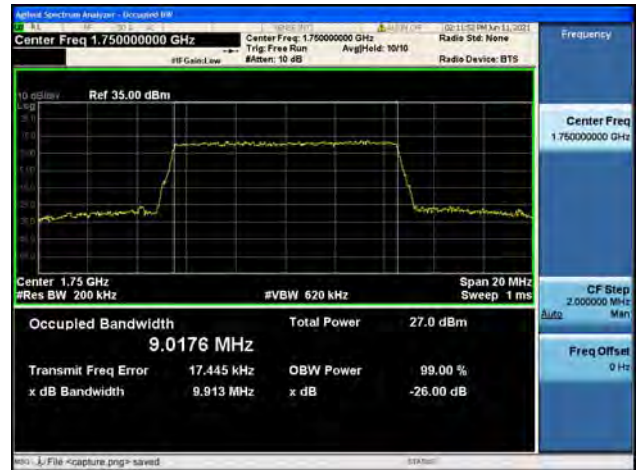
Band4 / 10MHz / Mid CH / 16QAM



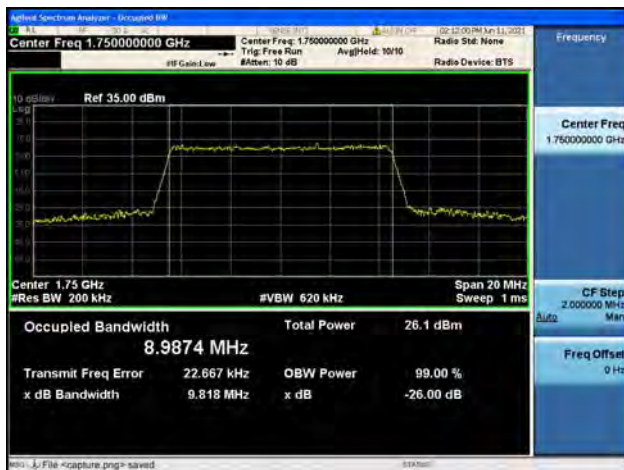
Band4 / 10MHz / Mid CH / 64QAM



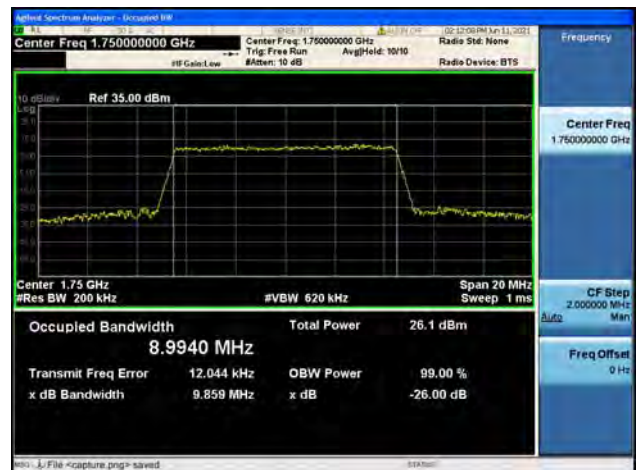
Band4 / 10MHz / High CH / QPSK



Band4 / 10MHz / High CH / 16QAM

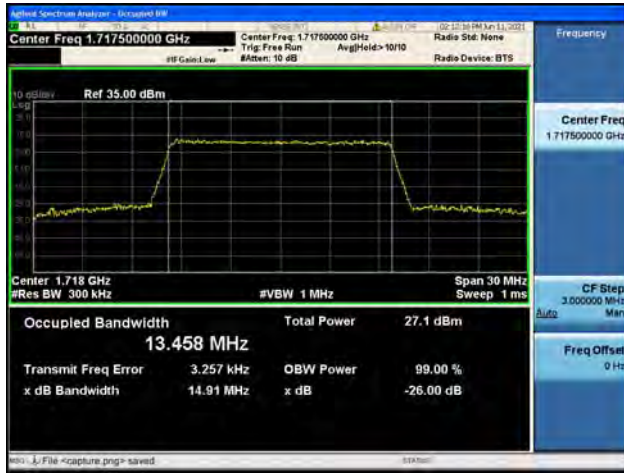


Band4 / 10MHz / High CH / 64QAM





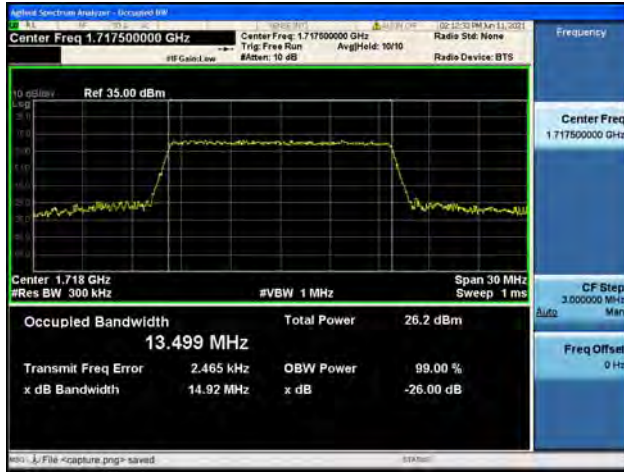
Band4 / 15MHz / Low CH / QPSK



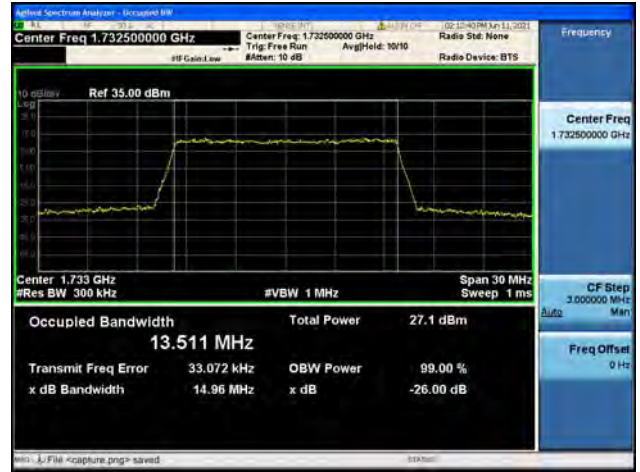
Band4 / 15MHz / Low CH / 16QAM



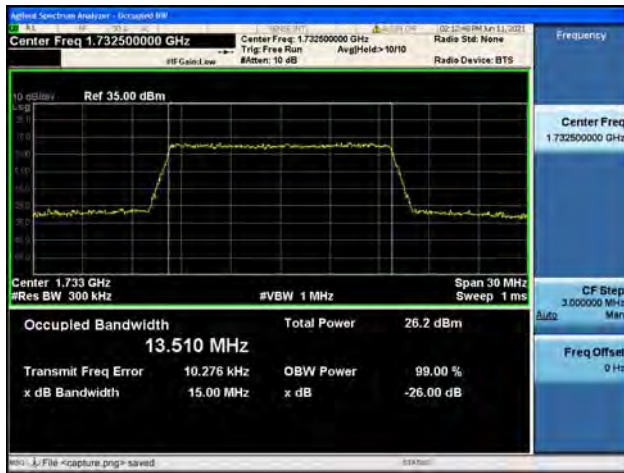
Band4 / 15MHz / Low CH / 64QAM



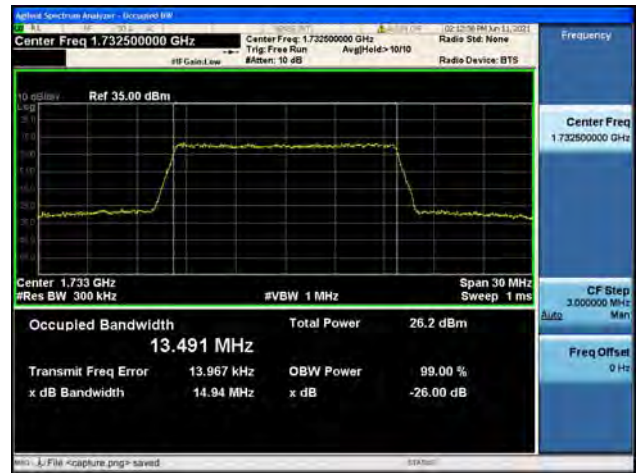
Band4 / 15MHz / Mid CH / QPSK



Band4 / 15MHz / Mid CH / 16QAM

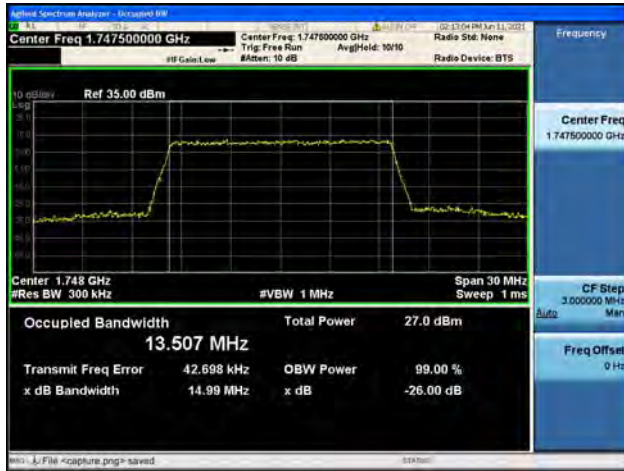


Band4 / 15MHz / Mid CH / 64QAM

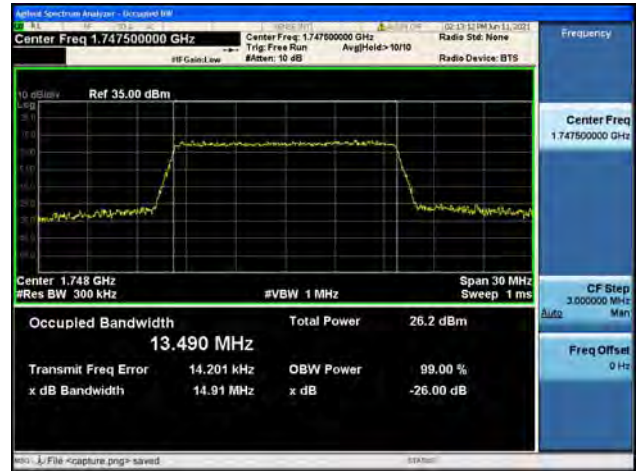




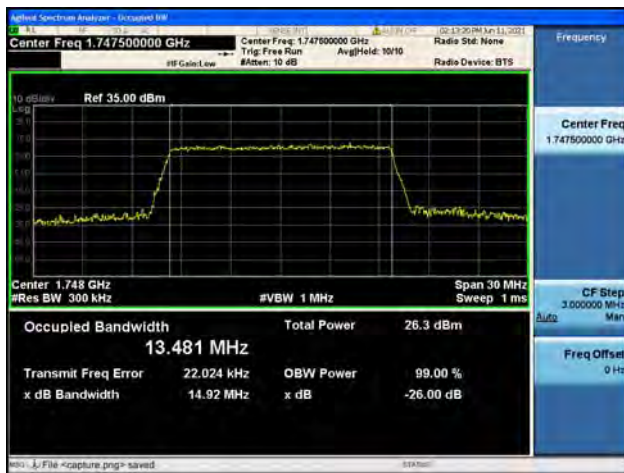
Band4 / 15MHz / High CH / QPSK



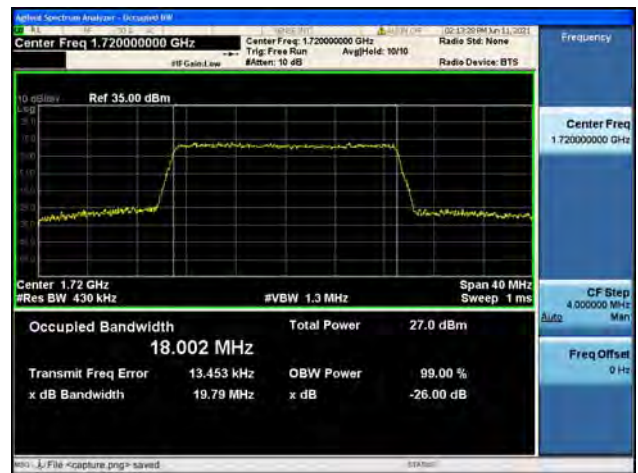
Band4 / 15MHz / High CH / 16QAM



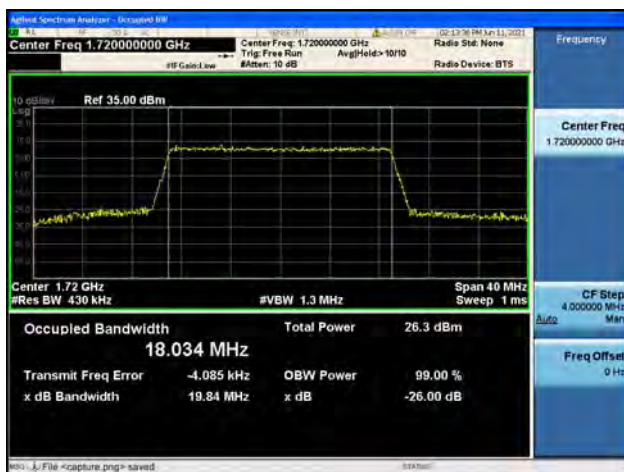
Band4 / 15MHz / High CH / 64QAM



Band4 / 20MHz / Low CH / QPSK



Band4 / 20MHz / Low CH / 16QAM

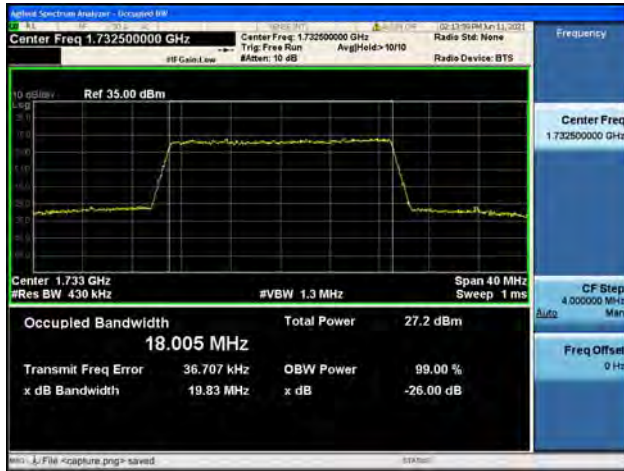


Band4 / 20MHz / Low CH / 64QAM

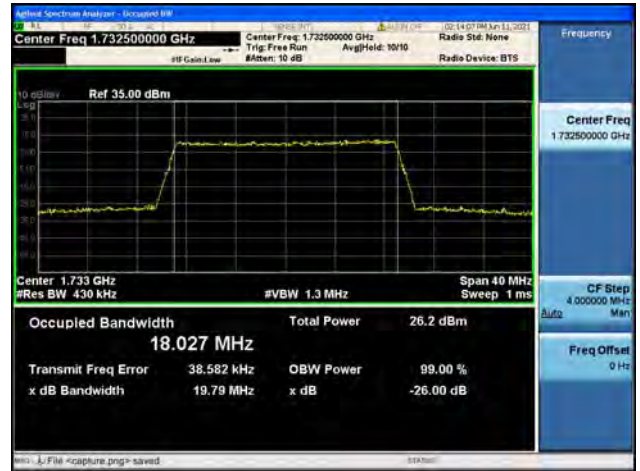




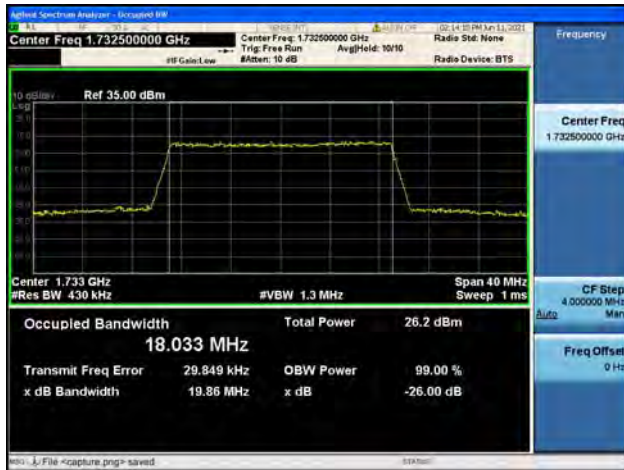
Band4 / 20MHz / Mid CH / QPSK



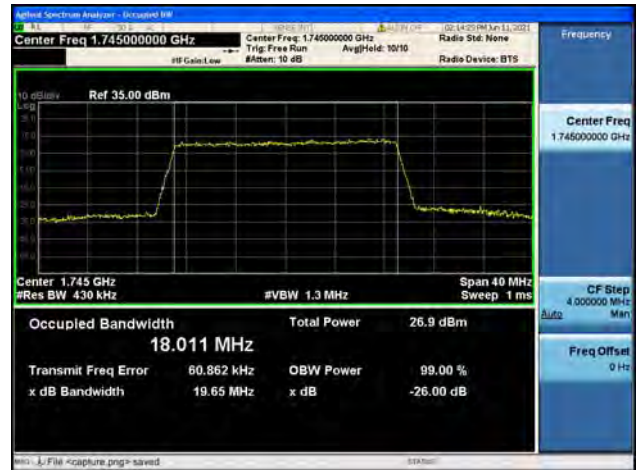
Band4 / 20MHz / Mid CH / 16QAM



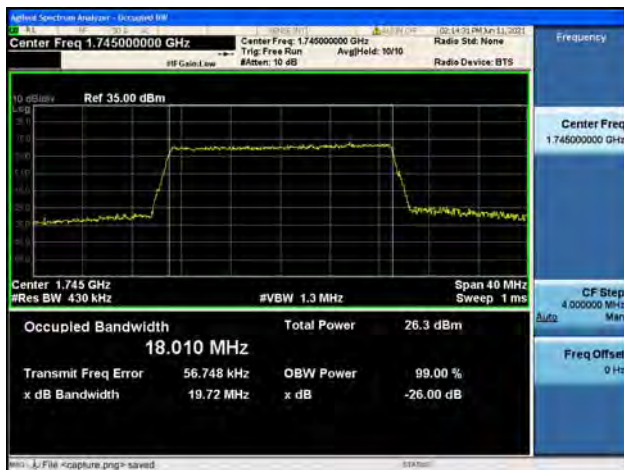
Band4 / 20MHz / Mid CH / 64QAM



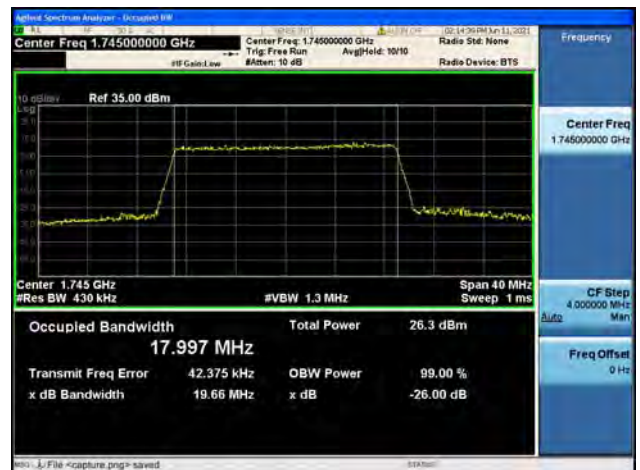
Band4 / 20MHz / High CH / QPSK



Band4 / 20MHz / High CH / 16QAM

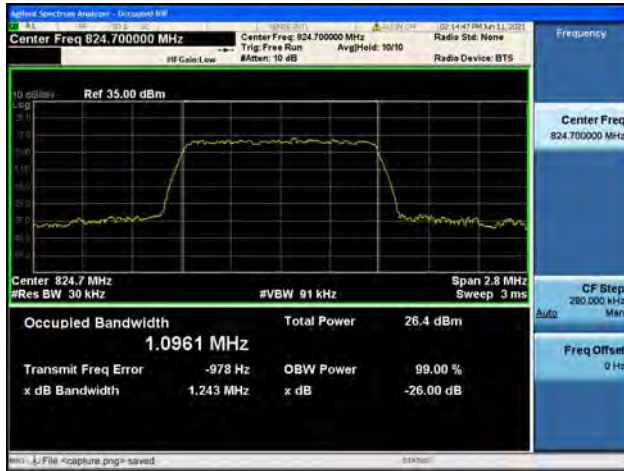


Band4 / 20MHz / High CH / 64QAM

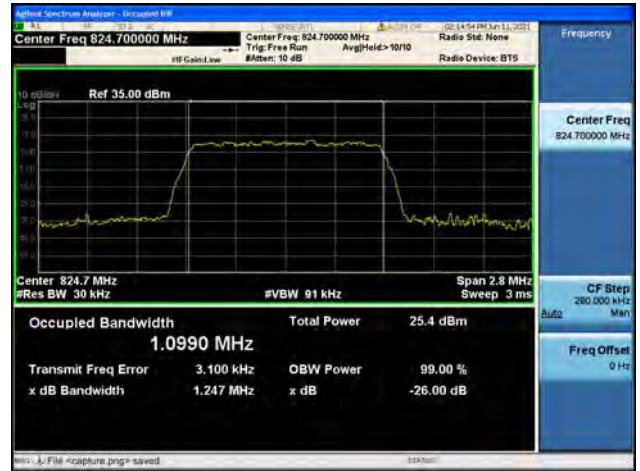




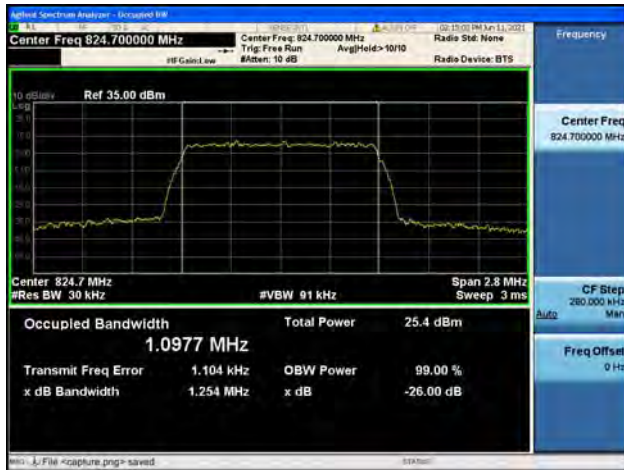
Band5 / 1.4MHz / Low CH / QPSK



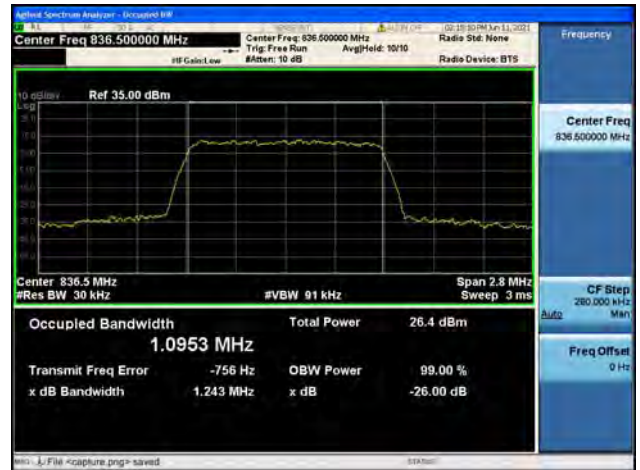
Band5 / 1.4MHz / Low CH / 16QAM



Band5 / 1.4MHz / Low CH / 64QAM



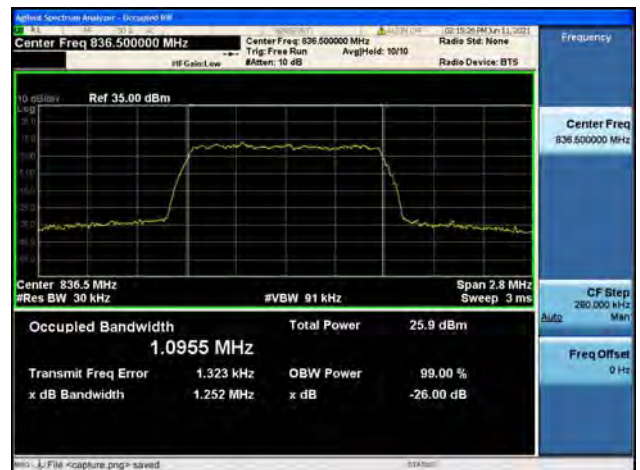
Band5 / 1.4MHz / Mid CH / QPSK



Band5 / 1.4MHz / Mid CH / 16QAM

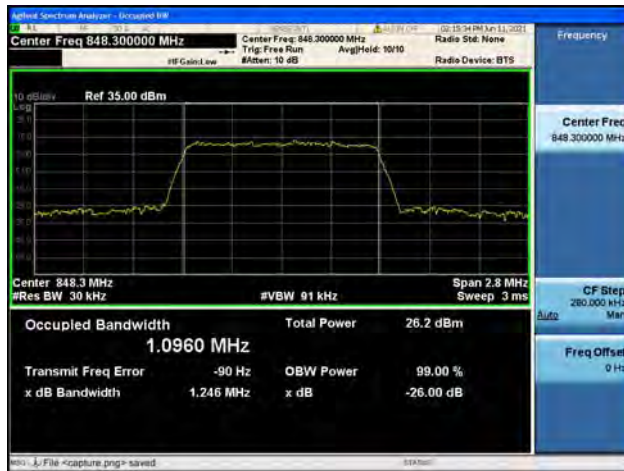


Band5 / 1.4MHz / Mid CH / 64QAM

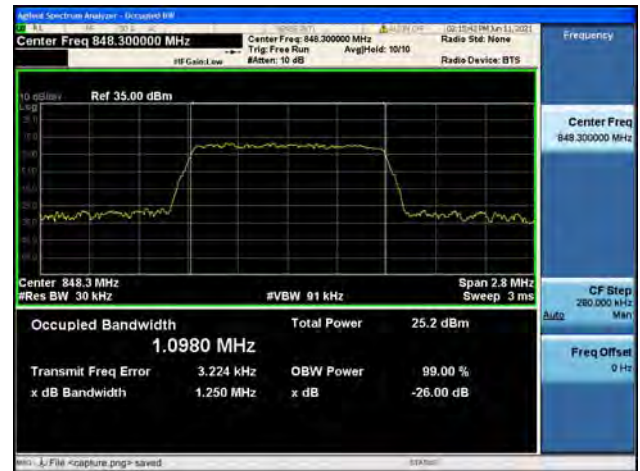




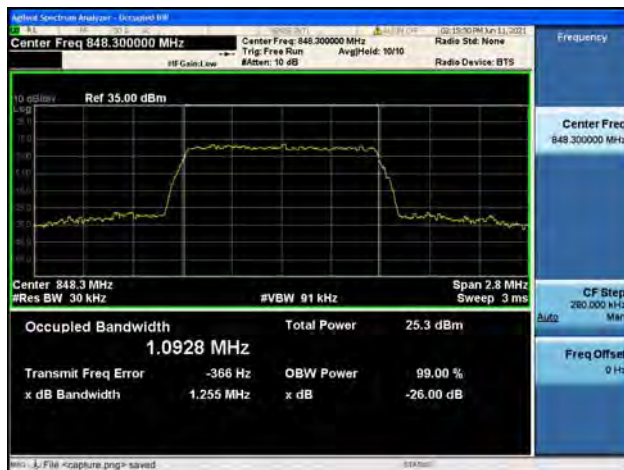
Band5 / 1.4MHz / High CH / QPSK



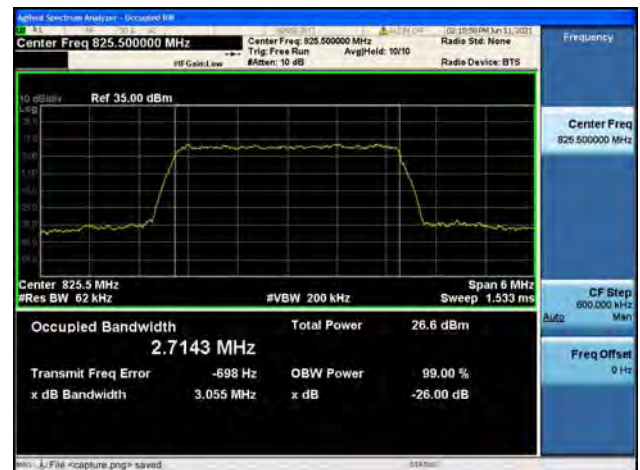
Band5 / 1.4MHz / High CH / 16QAM



Band5 / 1.4MHz / High CH / 64QAM



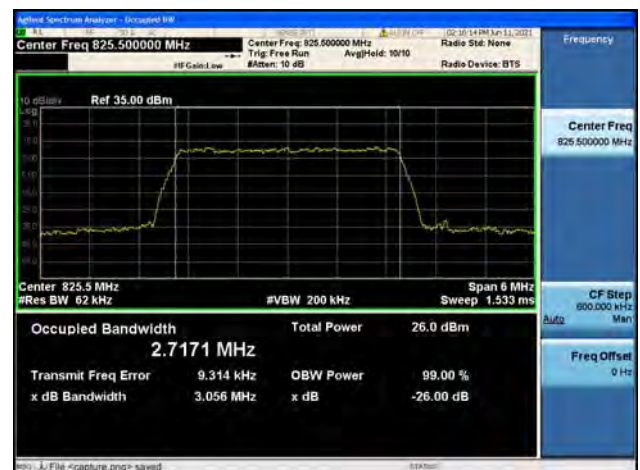
Band5 / 3MHz / Low CH / QPSK



Band5 / 3MHz / Low CH / 16QAM

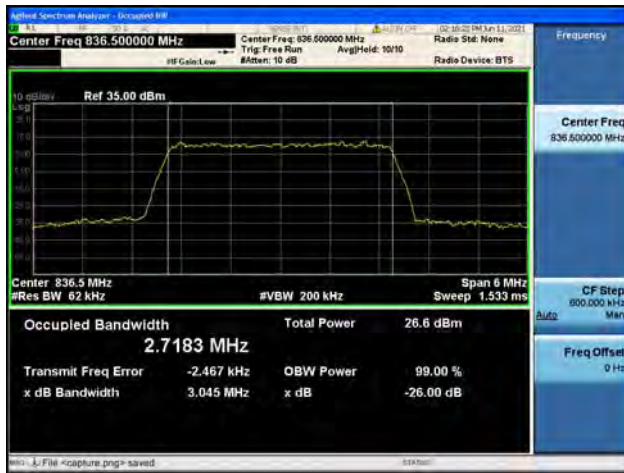


Band5 / 3MHz / Low CH / 64QAM

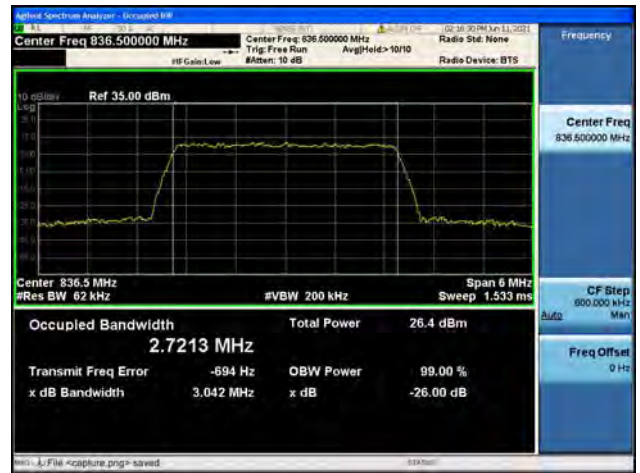




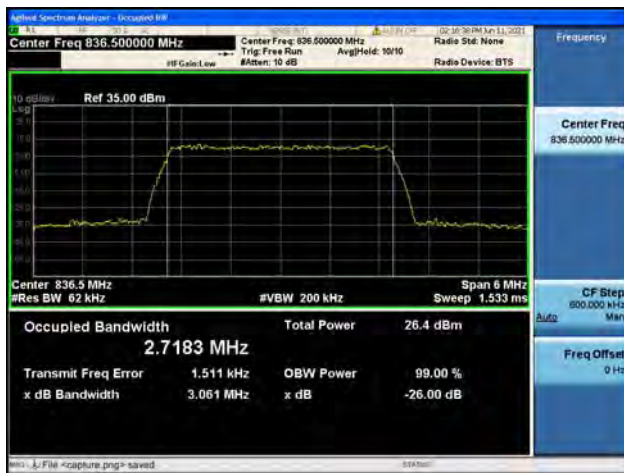
Band5 / 3MHz / Mid CH / QPSK



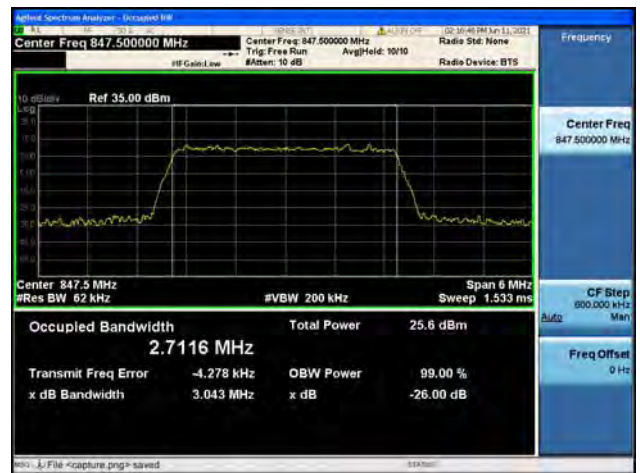
Band5 / 3MHz / Mid CH / 16QAM



Band5 / 3MHz / Mid CH / 64QAM



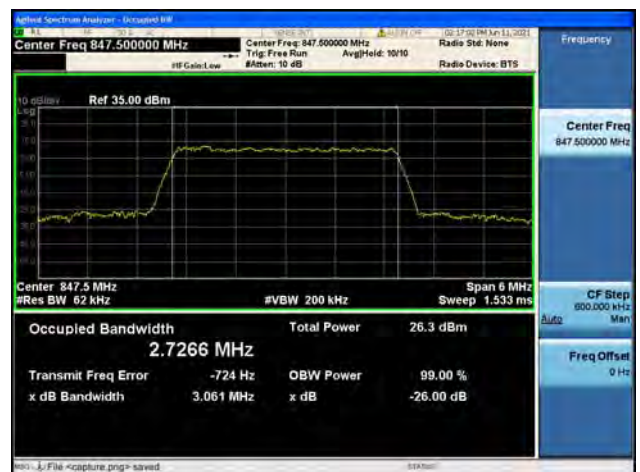
Band5 / 3MHz / High CH / QPSK



Band5 / 3MHz / High CH / 16QAM

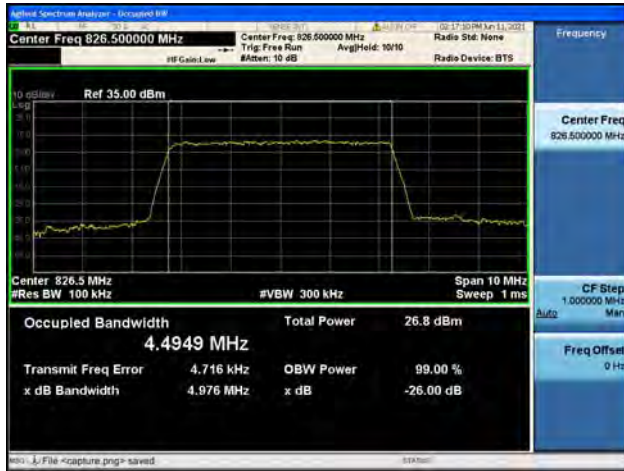


Band5 / 3MHz / High CH / 64QAM

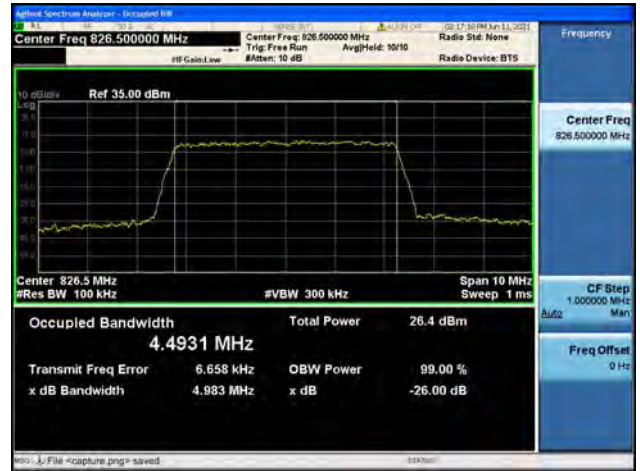




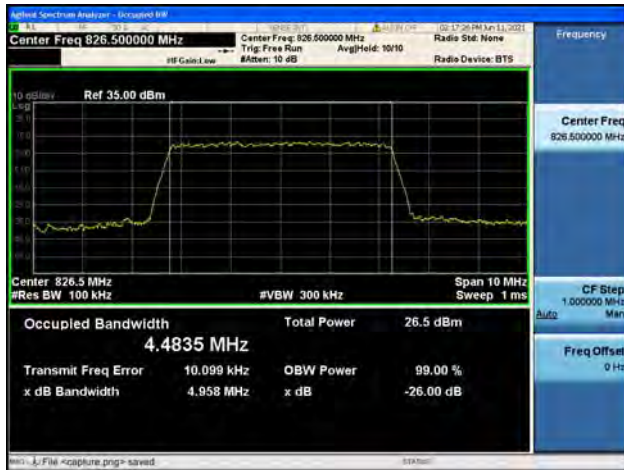
Band5 / 5MHz / Low CH / QPSK



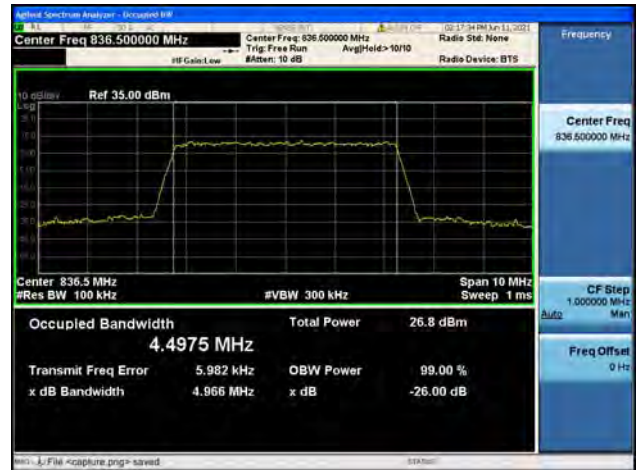
Band5 / 5MHz / Low CH / 16QAM



Band5 / 5MHz / Low CH / 64QAM



Band5 / 5MHz / Mid CH / QPSK



Band5 / 5MHz / Mid CH / 16QAM

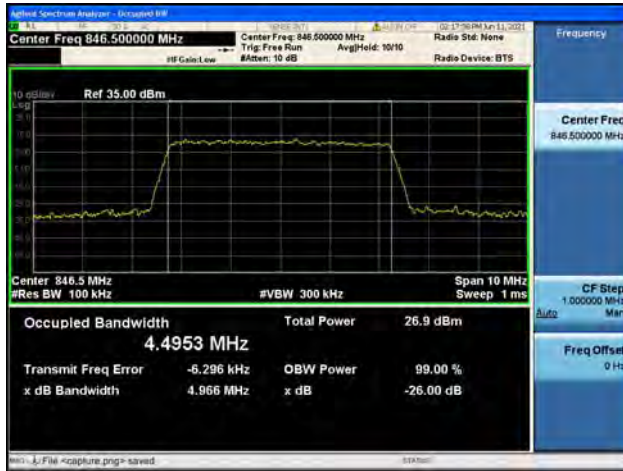


Band5 / 5MHz / Mid CH / 64QAM

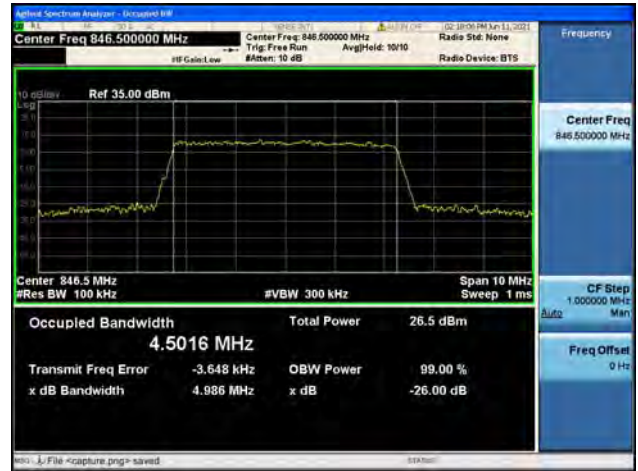




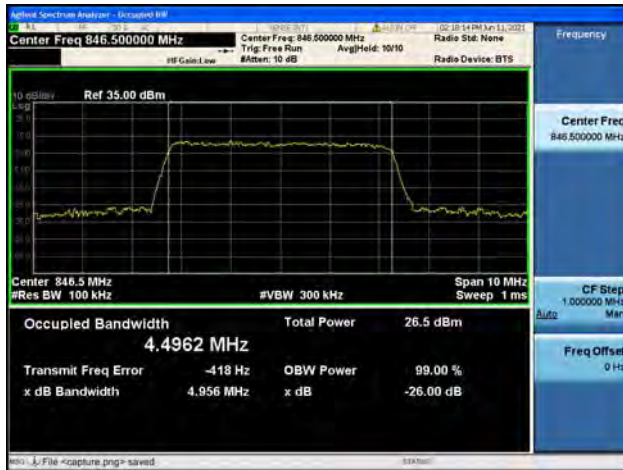
Band5 / 5MHz / High CH / QPSK



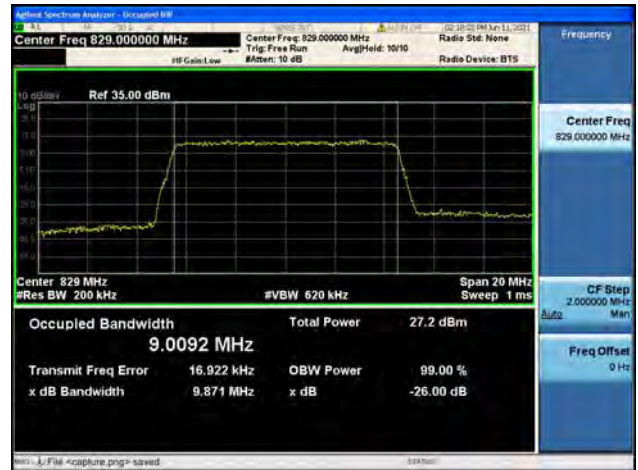
Band5 / 5MHz / High CH / 16QAM



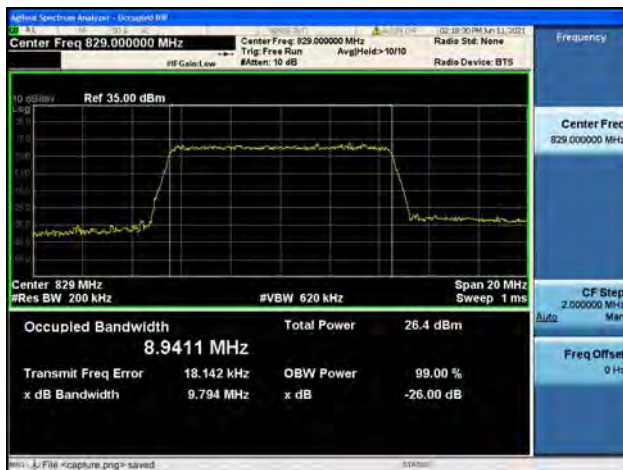
Band5 / 5MHz / High CH / 64QAM



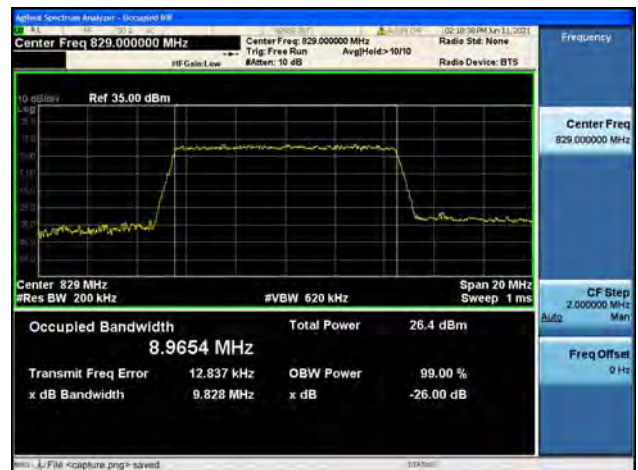
Band5 / 10MHz / Low CH / QPSK



Band5 / 10MHz / Low CH / 16QAM

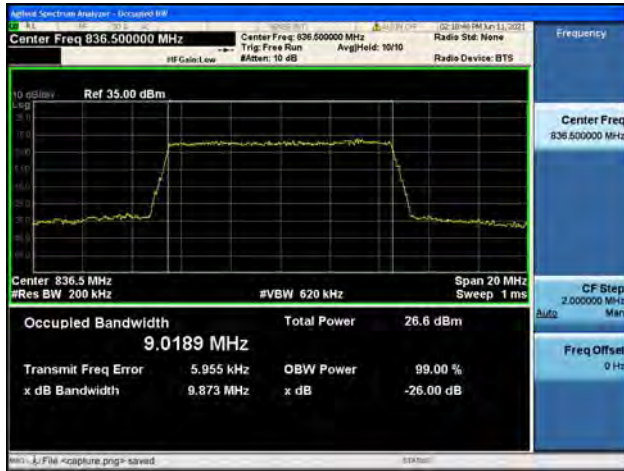


Band5 / 10MHz / Low CH / 64QAM

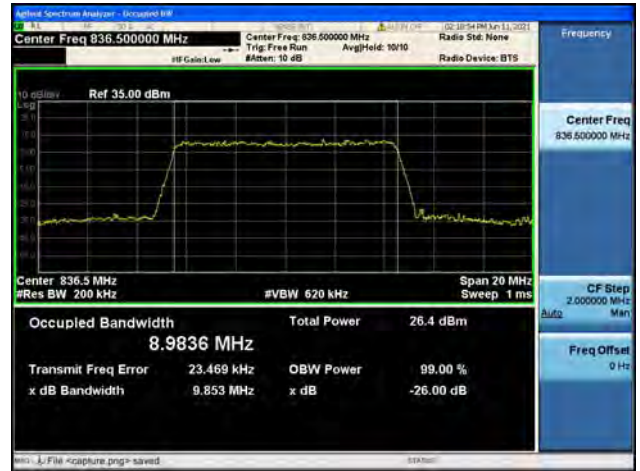




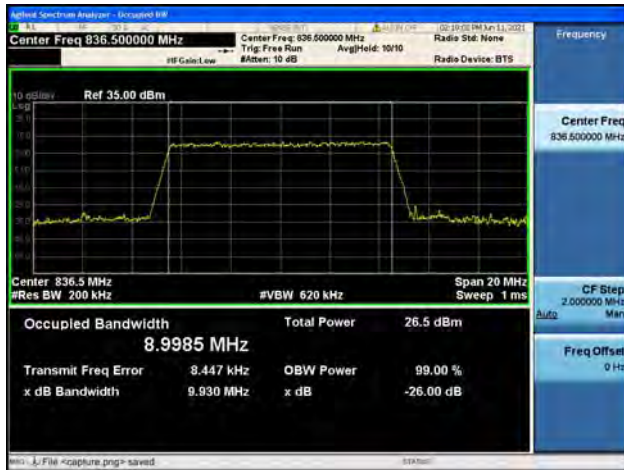
Band5 / 10MHz / Mid CH / QPSK



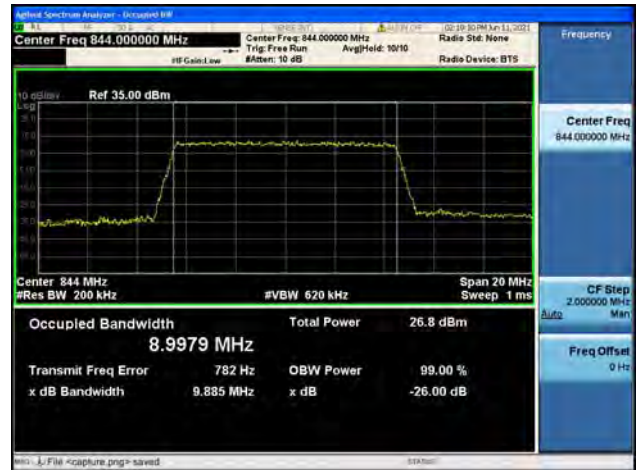
Band5 / 10MHz / Mid CH / 16QAM



Band5 / 10MHz / Mid CH / 64QAM



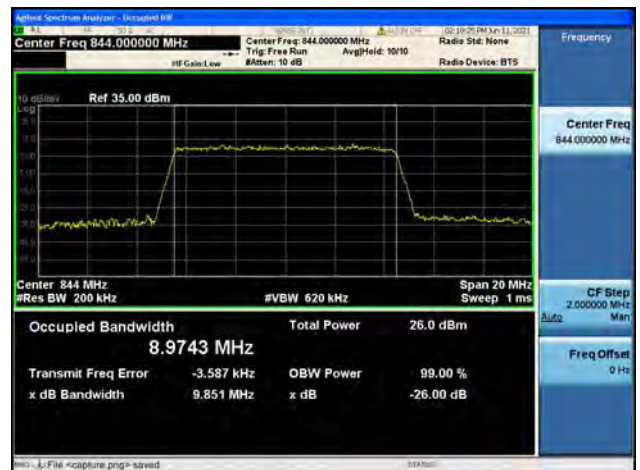
Band5 / 10MHz / High CH / QPSK



Band5 / 10MHz / High CH / 16QAM

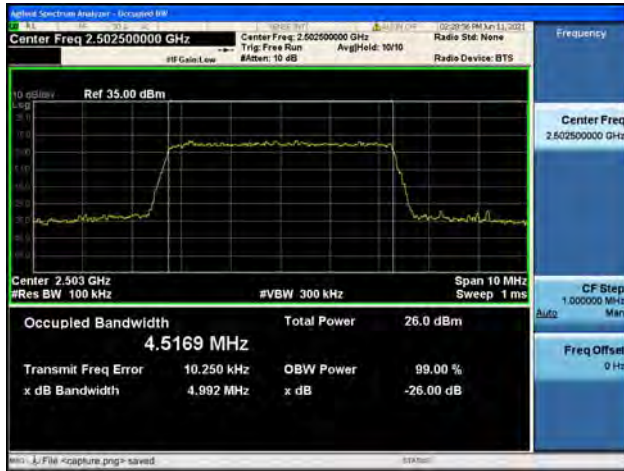


Band5 / 10MHz / High CH / 64QAM

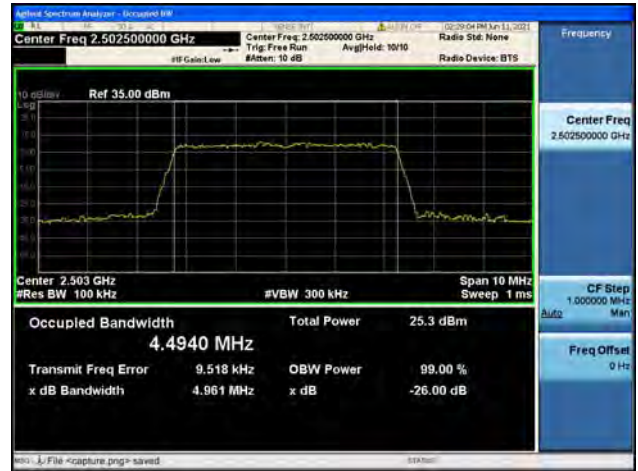




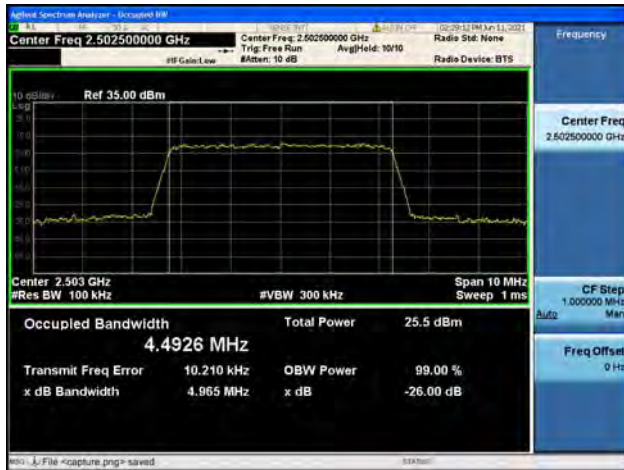
Band7 / 5MHz / Low CH / QPSK



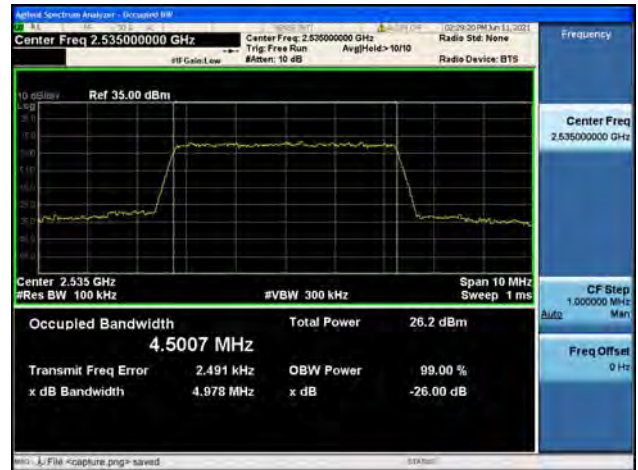
Band7 / 5MHz / Low CH / 16QAM



Band7 / 5MHz / Low CH / 64QAM



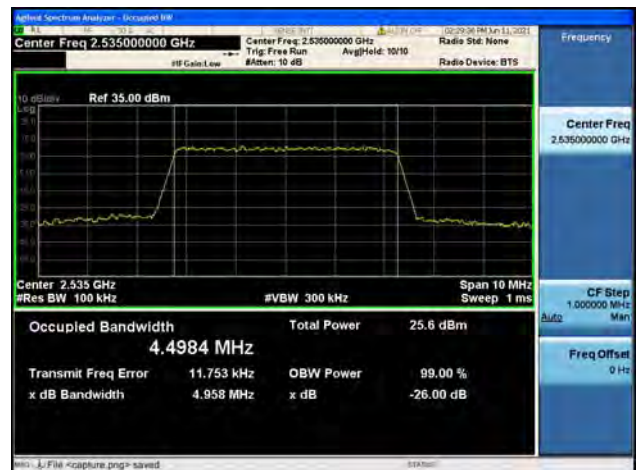
Band7 / 5MHz / Mid CH / QPSK



Band7 / 5MHz / Mid CH / 16QAM

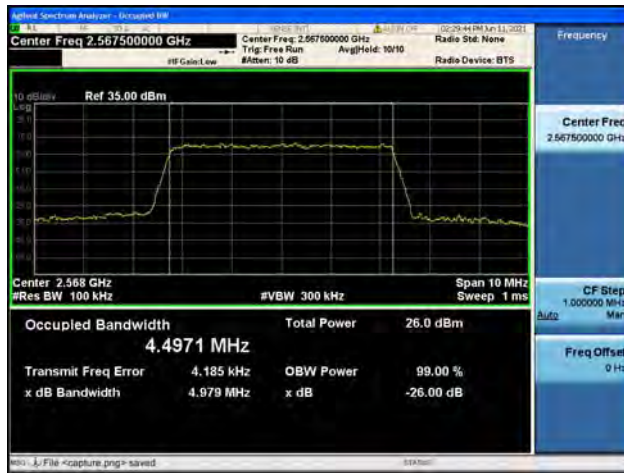


Band7 / 5MHz / Mid CH / 64QAM

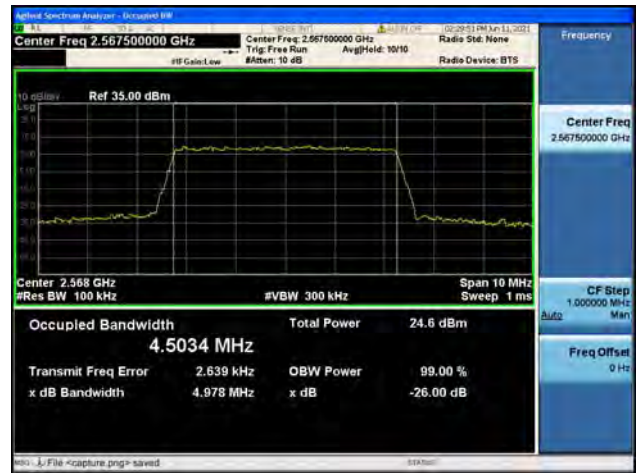




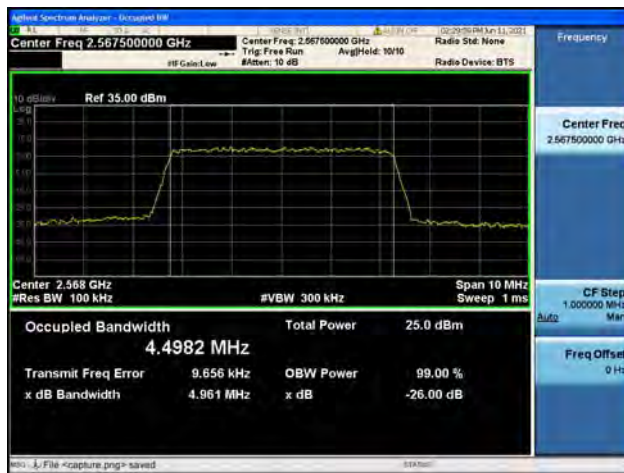
Band7 / 5MHz / High CH / QPSK



Band7 / 5MHz / High CH / 16QAM



Band7 / 5MHz / High CH / 64QAM



Band7 / 10MHz / Low CH / QPSK



Band7 / 10MHz / Low CH / 16QAM

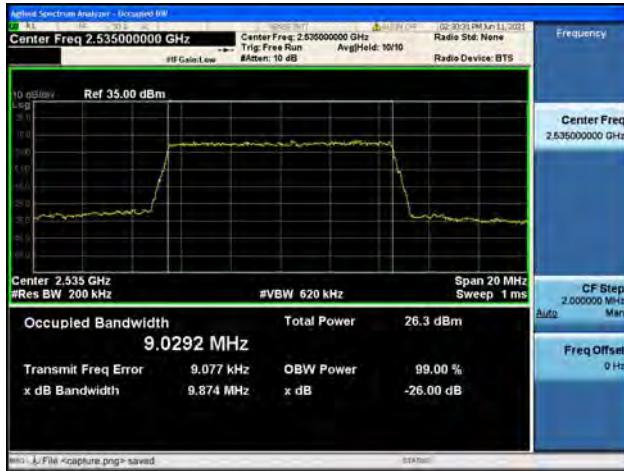


Band7 / 10MHz / Low CH / 64QAM

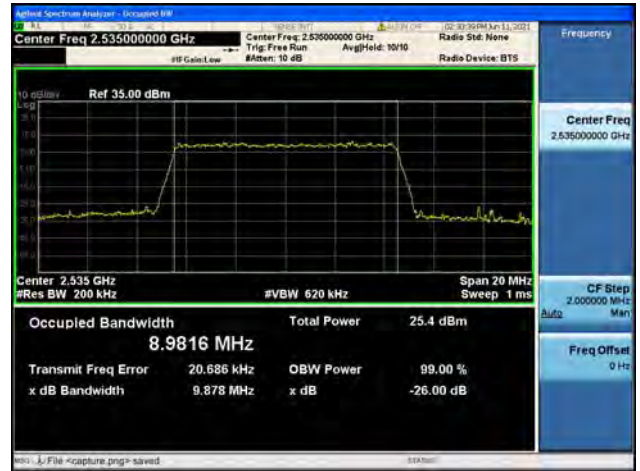




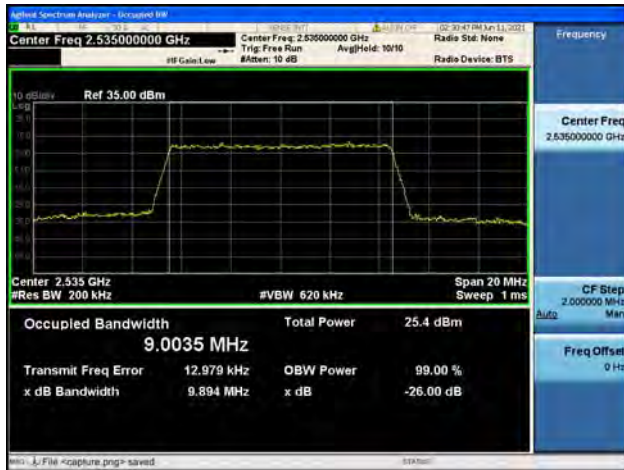
Band7 / 10MHz / Mid CH / QPSK



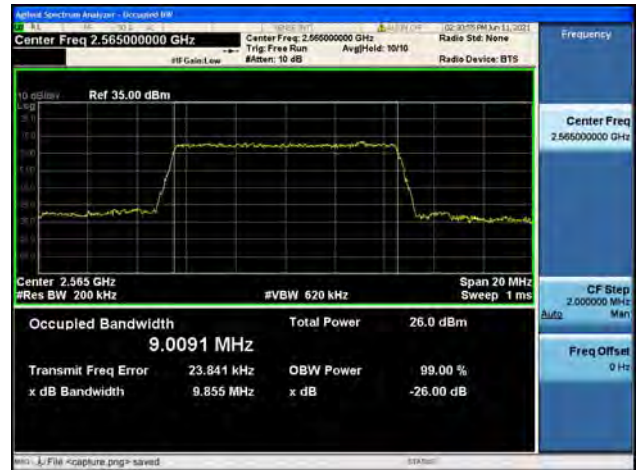
Band7 / 10MHz / Mid CH / 16QAM



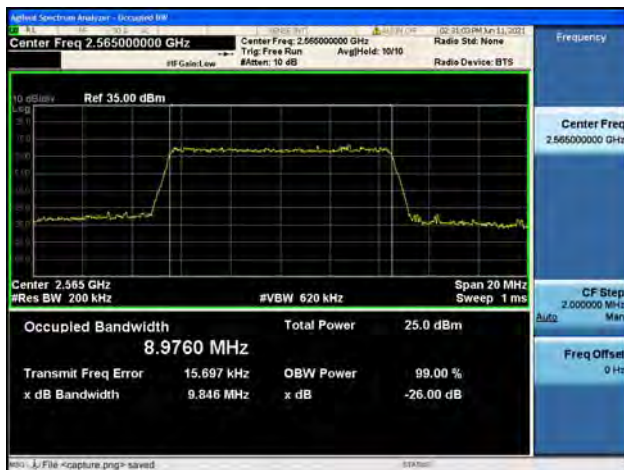
Band7 / 10MHz / Mid CH / 64QAM



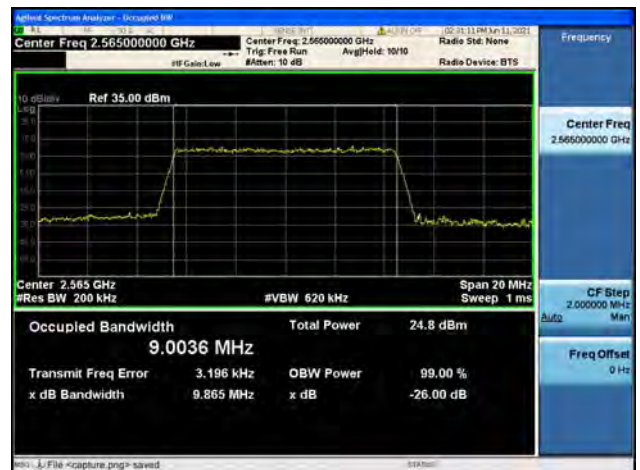
Band7 / 10MHz / High CH / QPSK



Band7 / 10MHz / High CH / 16QAM

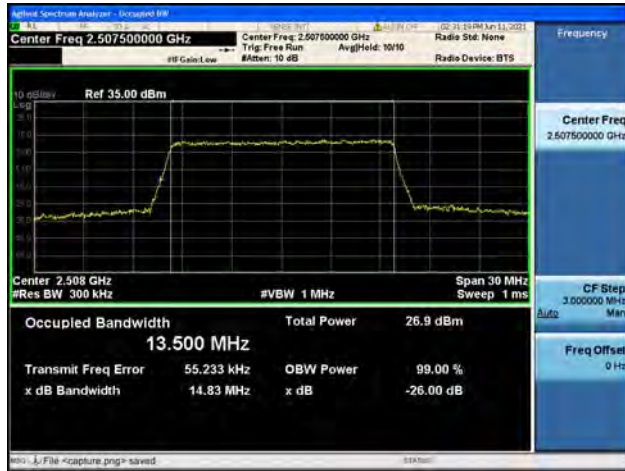


Band7 / 10MHz / High CH / 64QAM

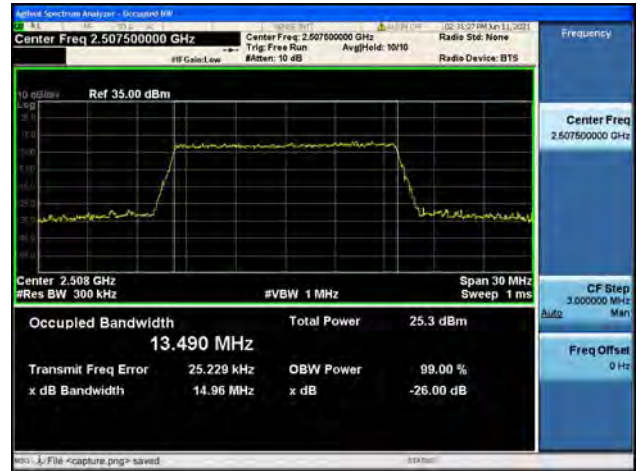




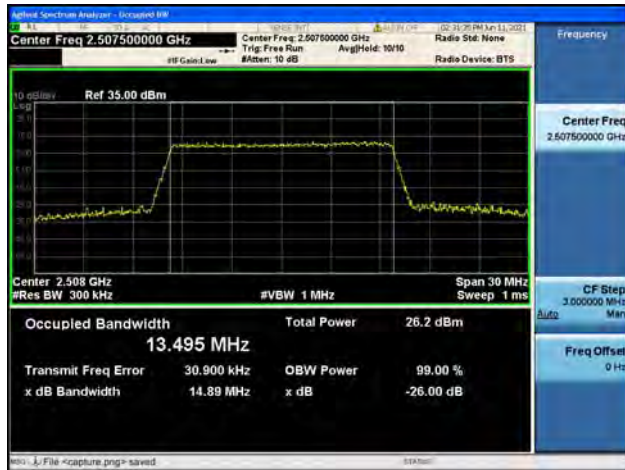
Band7 / 15MHz / Low CH / QPSK



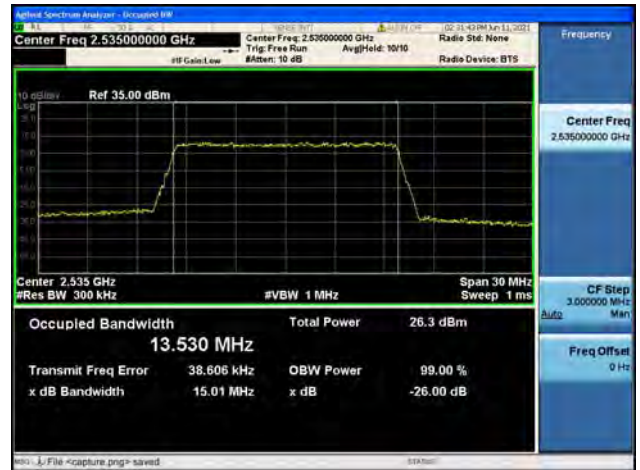
Band7 / 15MHz / Low CH / 16QAM



Band7 / 15MHz / Low CH / 64QAM



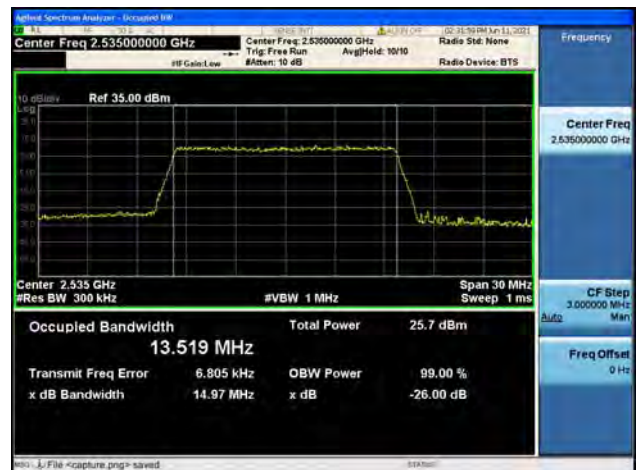
Band7 / 15MHz / Mid CH / QPSK



Band7 / 15MHz / Mid CH / 16QAM

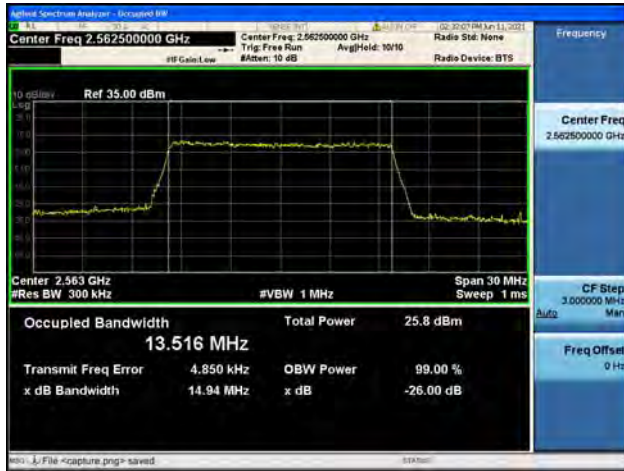


Band7 / 15MHz / Mid CH / 64QAM

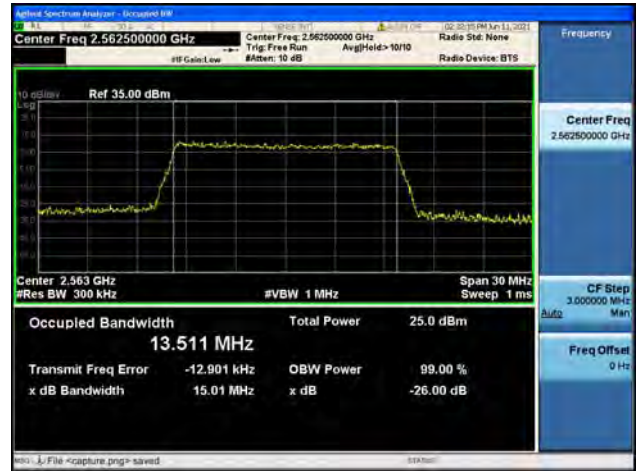




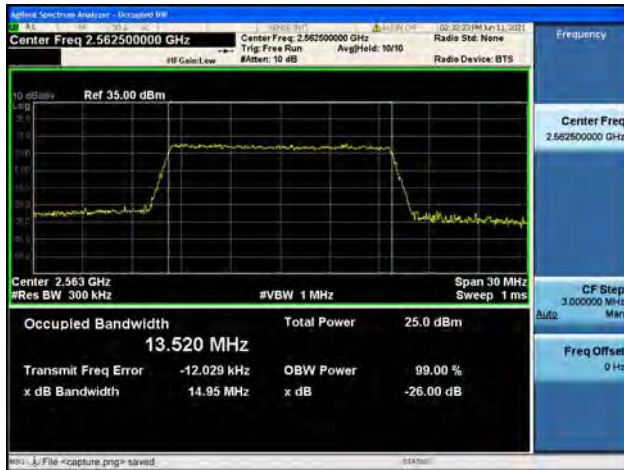
Band7 / 15MHz / High CH / QPSK



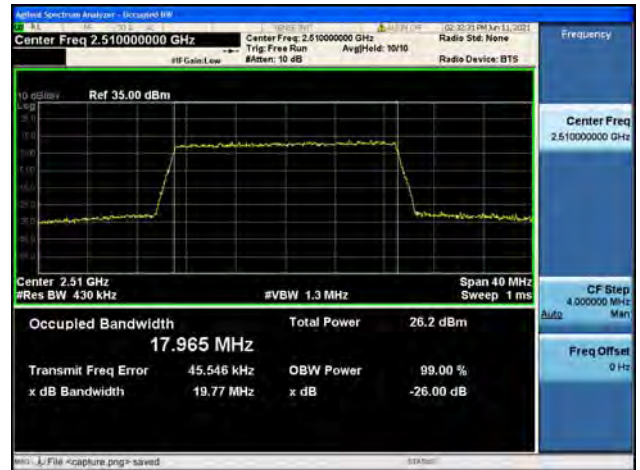
Band7 / 15MHz / High CH / 16QAM



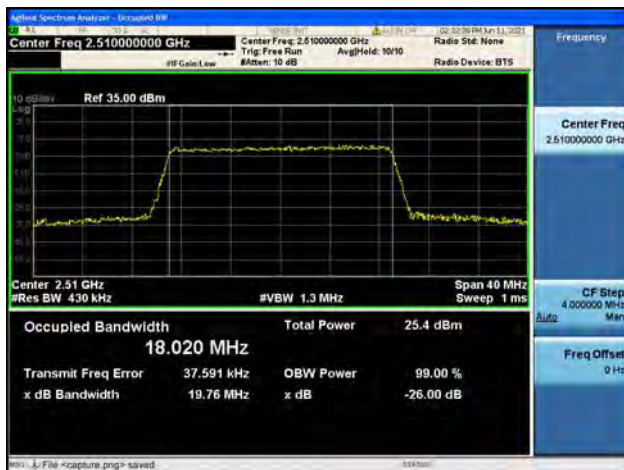
Band7 / 15MHz / High CH / 64QAM



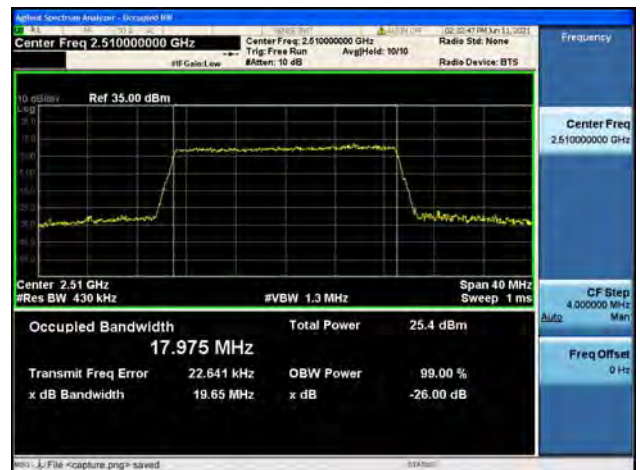
Band7 / 20MHz / Low CH / QPSK



Band7 / 20MHz / Low CH / 16QAM

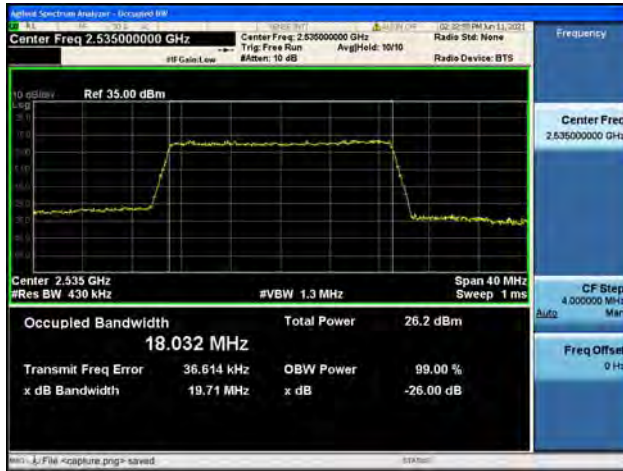


Band7 / 20MHz / Low CH / 64QAM

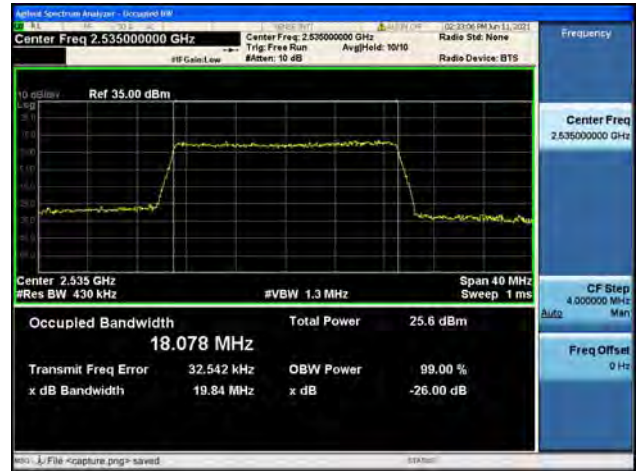




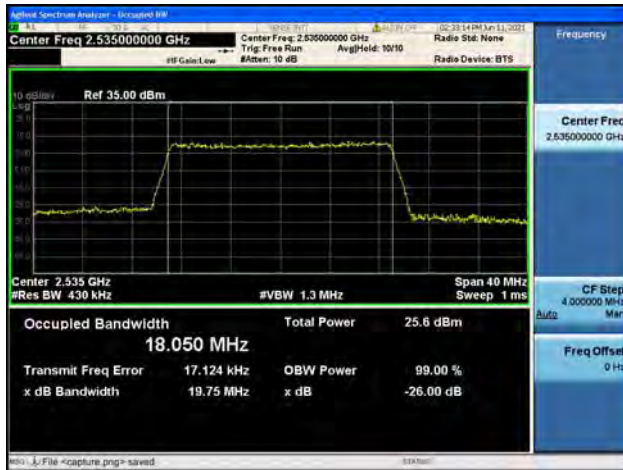
Band7 / 20MHz / Mid CH / QPSK



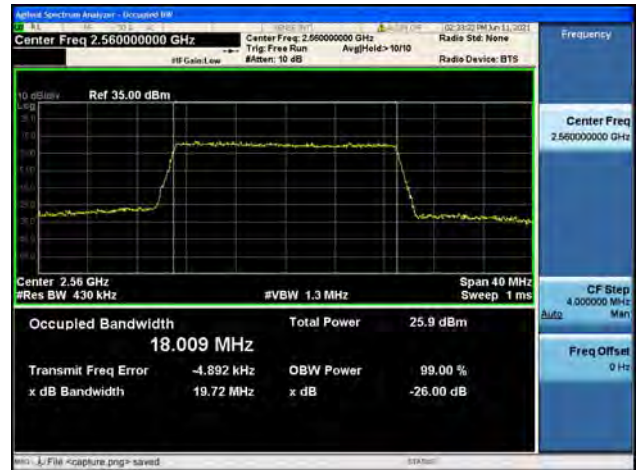
Band7 / 20MHz / Mid CH / 16QAM



Band7 / 20MHz / Mid CH / 64QAM



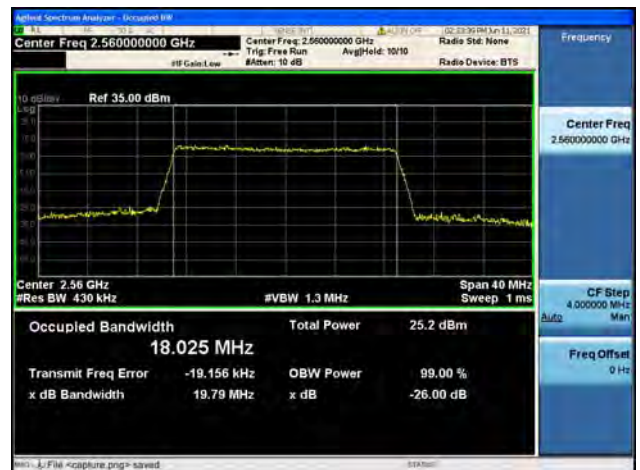
Band7 / 20MHz / High CH / QPSK



Band7 / 20MHz / High CH / 16QAM

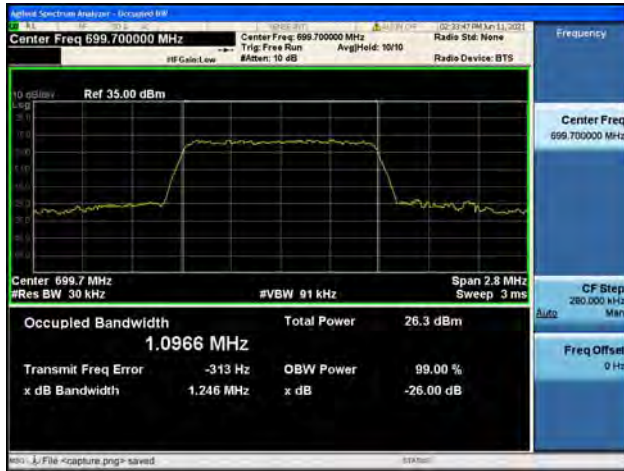


Band7 / 20MHz / High CH / 64QAM

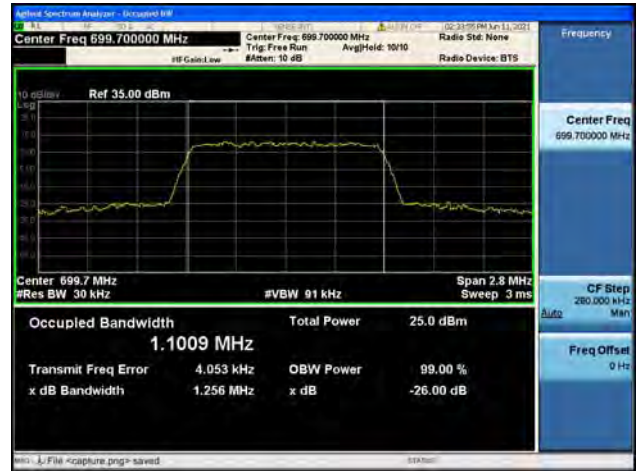




Band12 / 1.4MHz / Low CH / QPSK



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





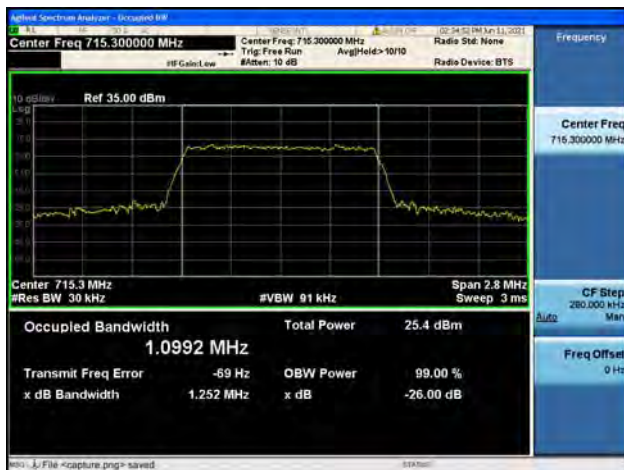
Band12 / 1.4MHz / High CH / QPSK



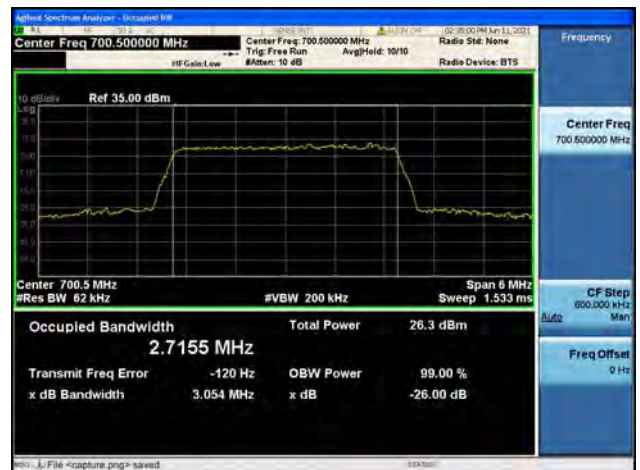
Band12 / 1.4MHz / High CH / 16QAM



Band12 / 1.4MHz / High CH / 64QAM



Band12 / 3MHz / Low CH / QPSK



Band12 / 3MHz / Low CH / 16QAM

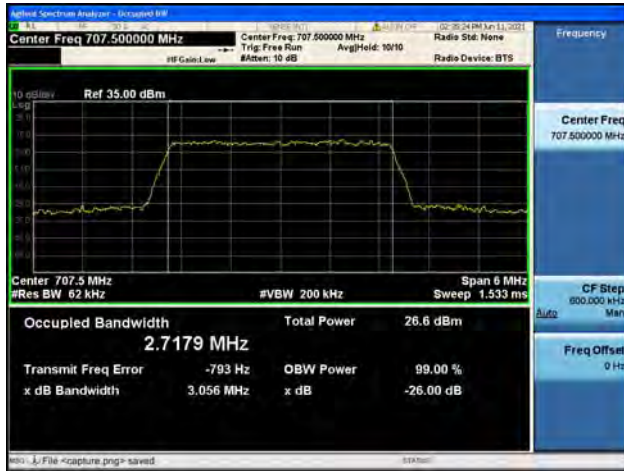


Band12 / 3MHz / Low CH / 64QAM

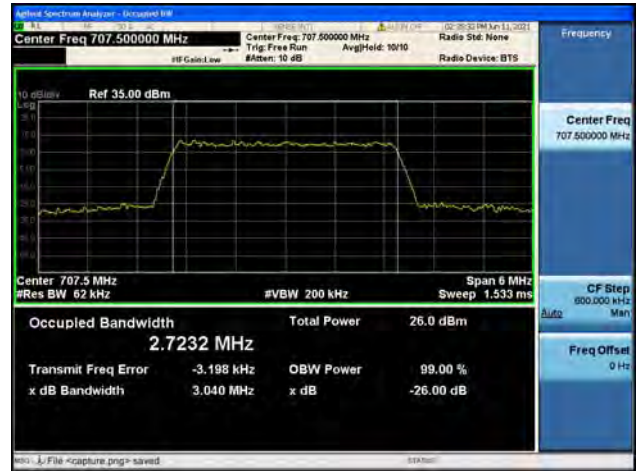




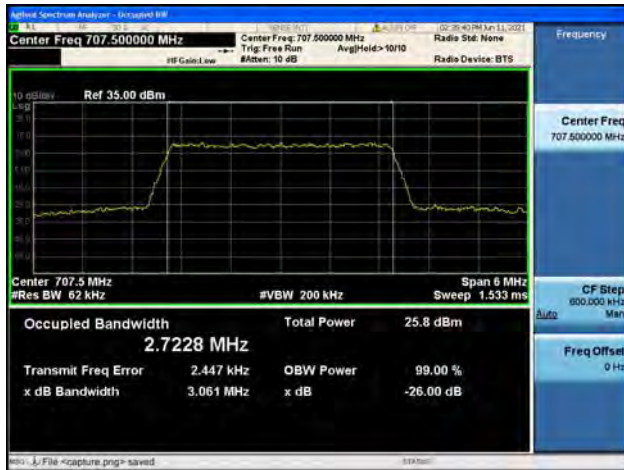
Band12 / 3MHz / Mid CH / QPSK



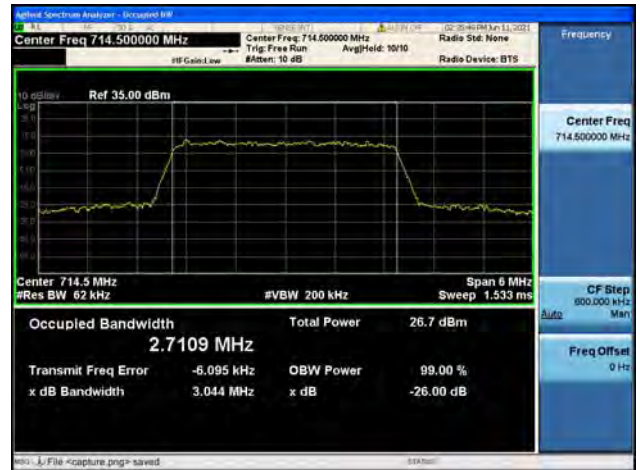
Band12 / 3MHz / Mid CH / 16QAM



Band12 / 3MHz / Mid CH / 64QAM



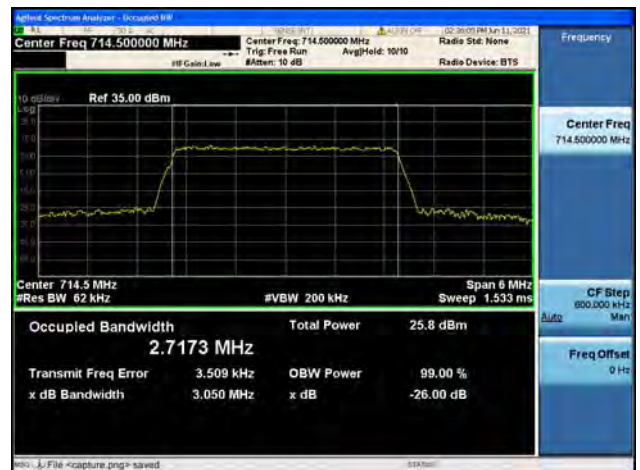
Band12 / 3MHz / High CH / QPSK



Band12 / 3MHz / High CH / 16QAM

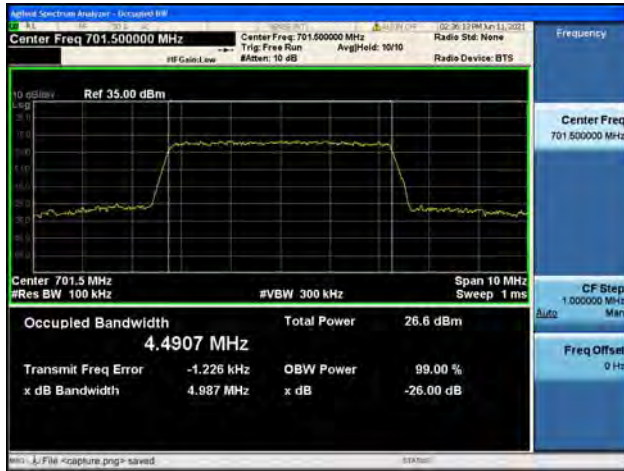


Band12 / 3MHz / High CH / 64QAM





Band12 / 5MHz / Low CH / QPSK



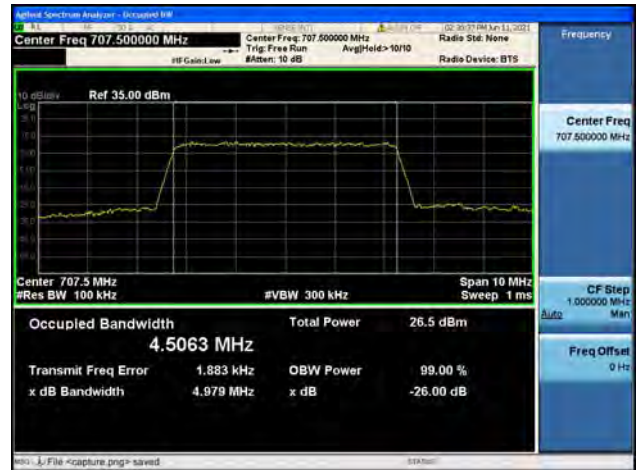
Band12 / 5MHz / Low CH / 16QAM



Band12 / 5MHz / Low CH / 64QAM



Band12 / 5MHz / Mid CH / QPSK



Band12 / 5MHz / Mid CH / 16QAM

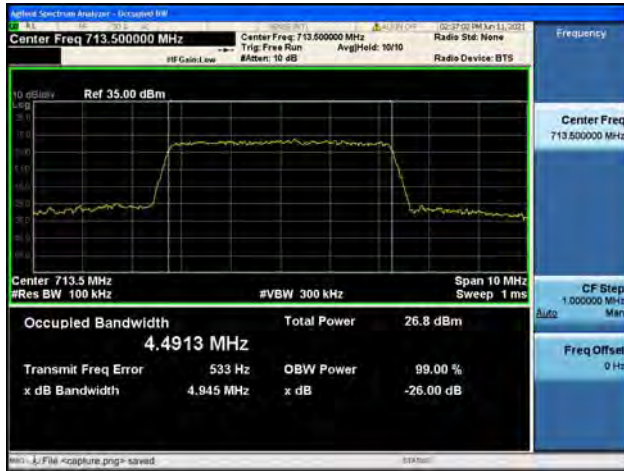


Band12 / 5MHz / Mid CH / 64QAM





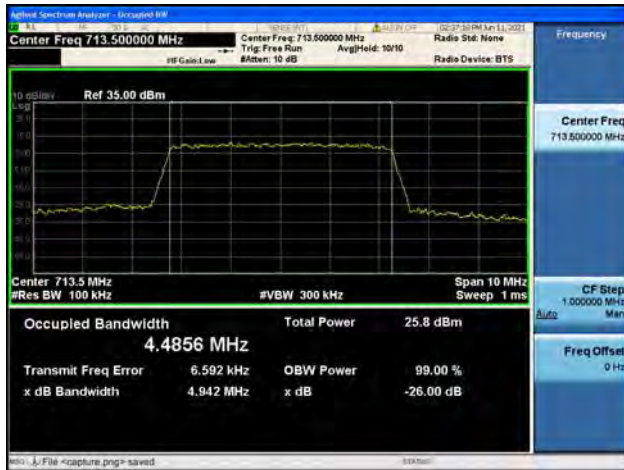
Band12 / 5MHz / High CH / QPSK



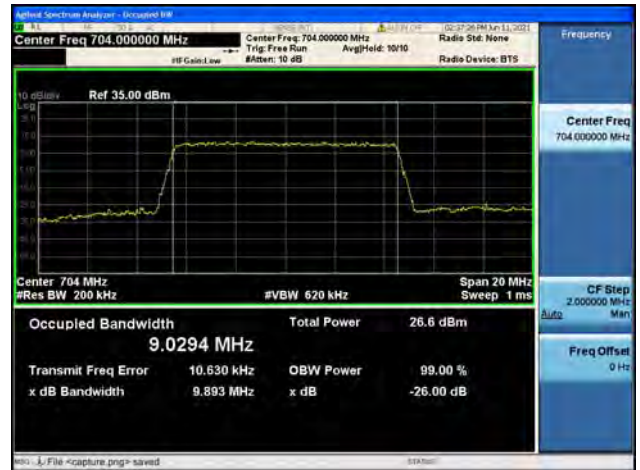
Band12 / 5MHz / High CH / 16QAM



Band12 / 5MHz / High CH / 64QAM



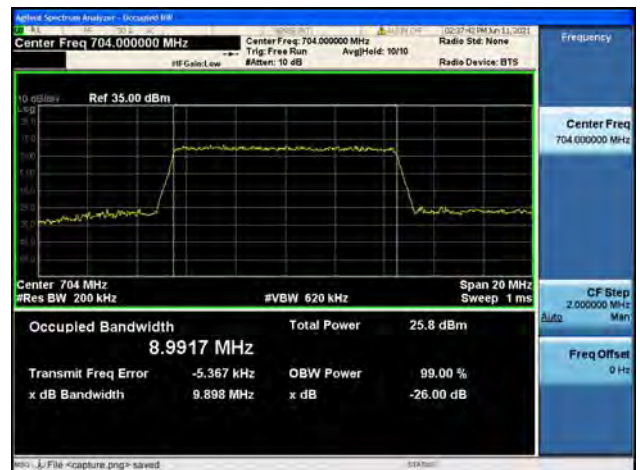
Band12 / 10MHz / Low CH / QPSK



Band12 / 10MHz / Low CH / 16QAM

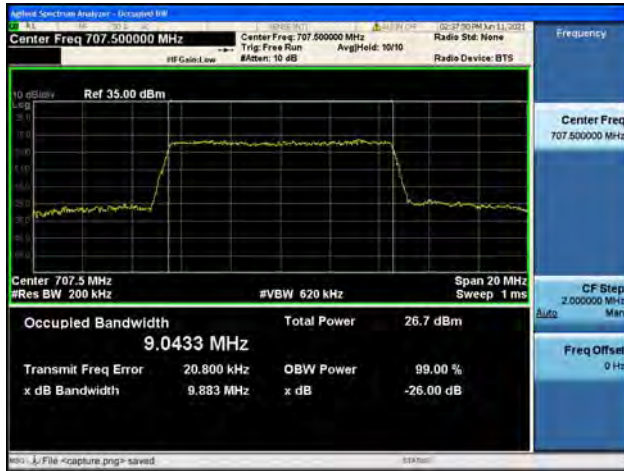


Band12 / 10MHz / Low CH / 64QAM





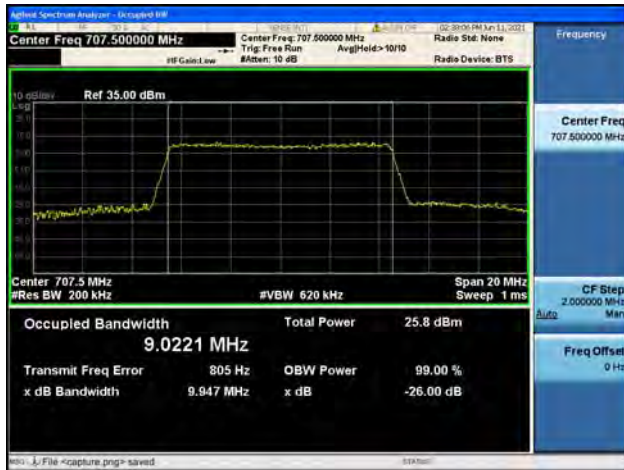
Band12 / 10MHz / Mid CH / QPSK



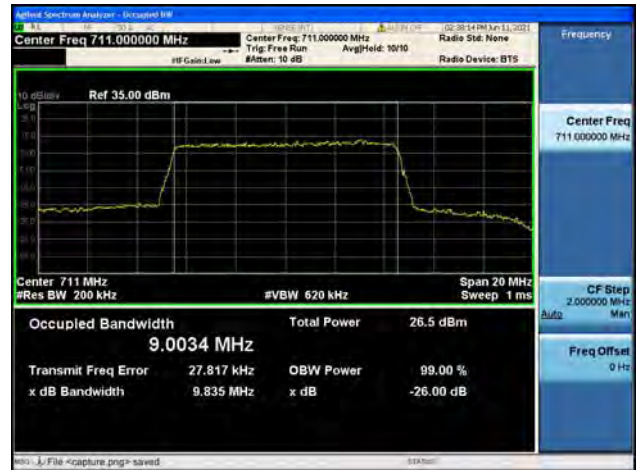
Band12 / 10MHz / Mid CH / 16QAM



Band12 / 10MHz / Mid CH / 64QAM



Band12 / 10MHz / High CH / QPSK



Band12 / 10MHz / High CH / 16QAM

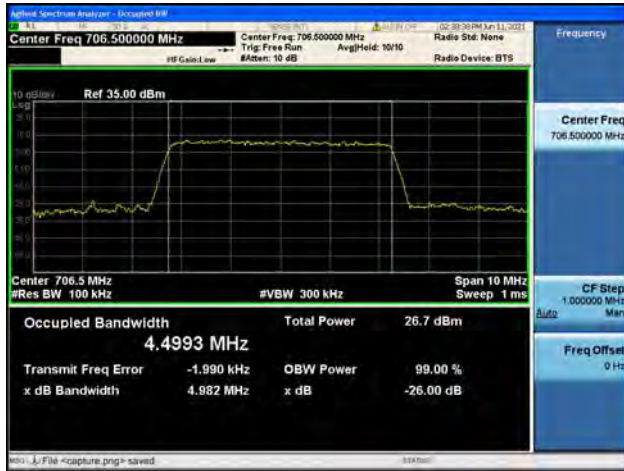


Band12 / 10MHz / High CH / 64QAM

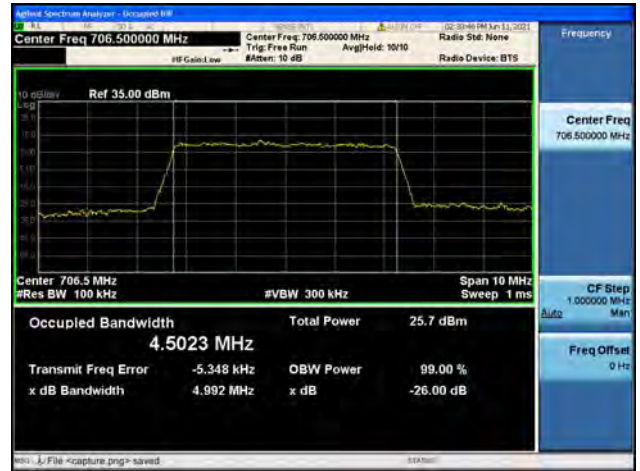




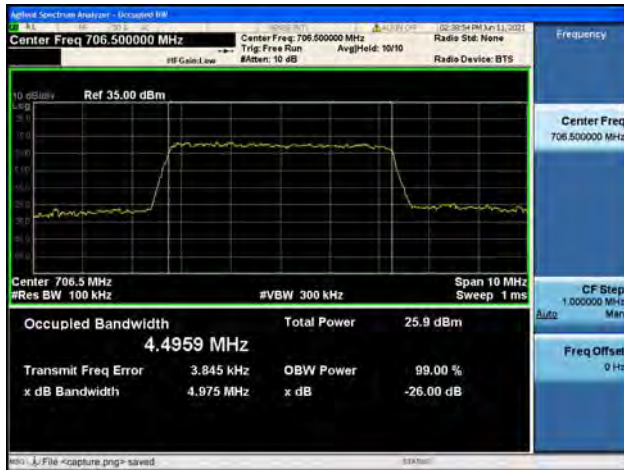
Band17 / 5MHz / Low CH / QPSK



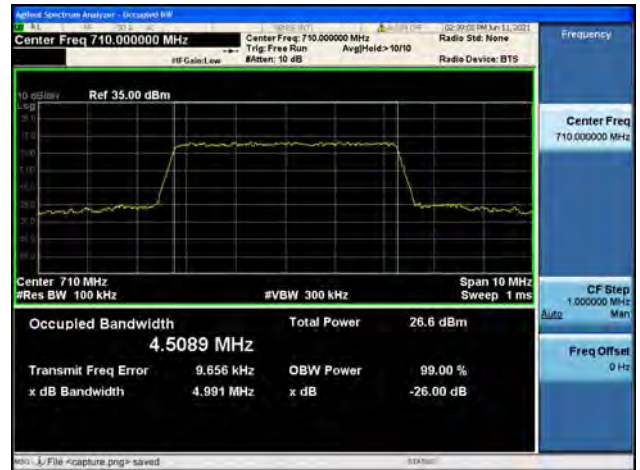
Band17 / 5MHz / Low CH / 16QAM



Band17 / 5MHz / Low CH / 64QAM



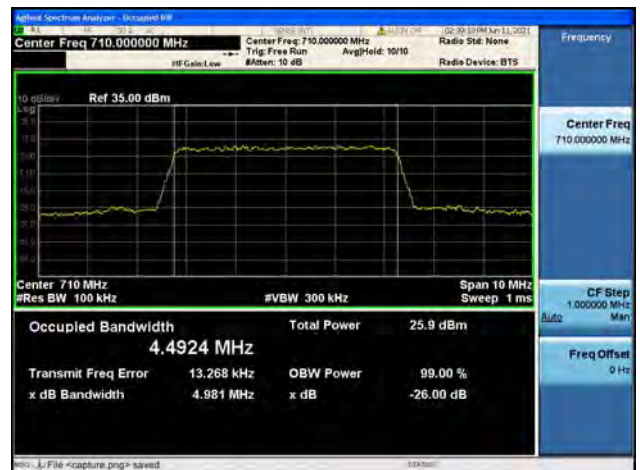
Band17 / 5MHz / Mid CH / QPSK



Band17 / 5MHz / Mid CH / 16QAM

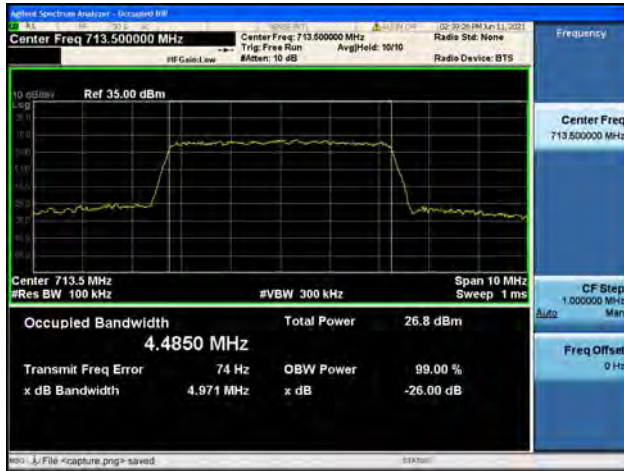


Band17 / 5MHz / Mid CH / 64QAM

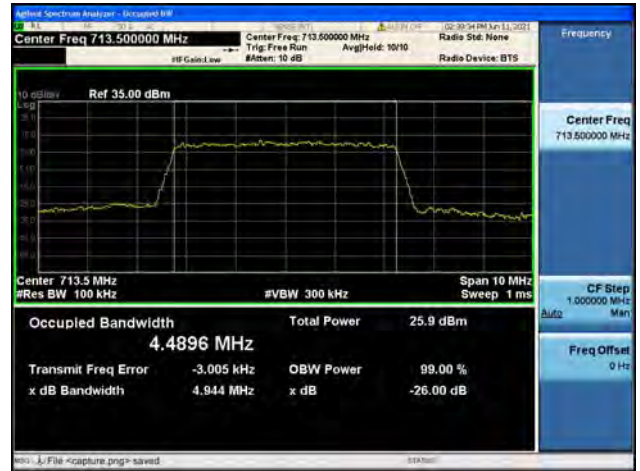




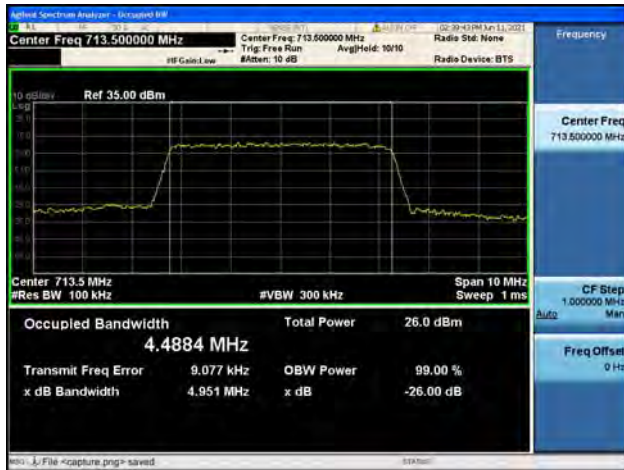
Band17 / 5MHz / High CH / QPSK



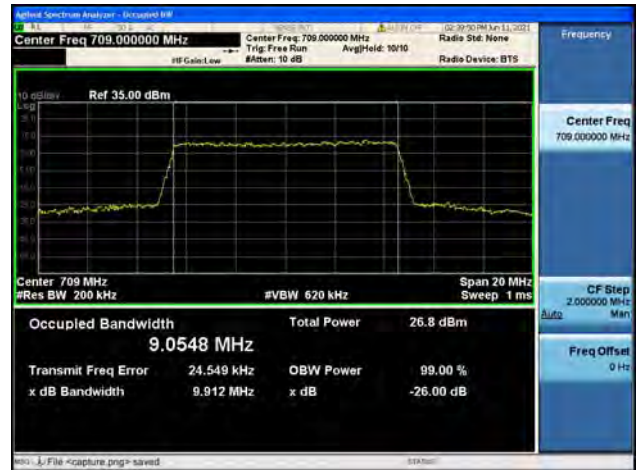
Band17 / 5MHz / High CH / 16QAM



Band17 / 5MHz / High CH / 64QAM



Band17 / 10MHz / Low CH / QPSK



Band17 / 10MHz / Low CH / 16QAM

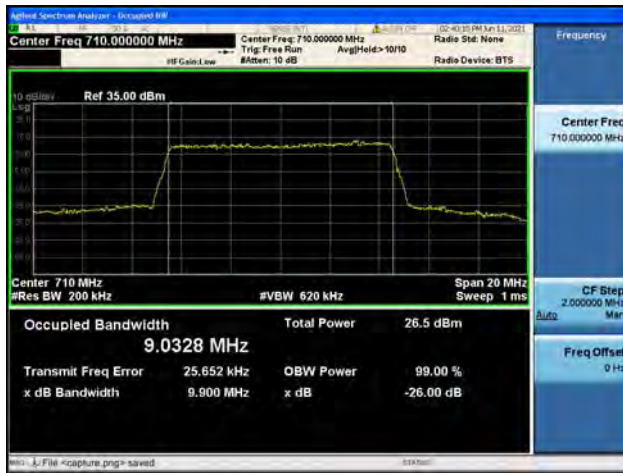


Band17 / 10MHz / Low CH / 64QAM





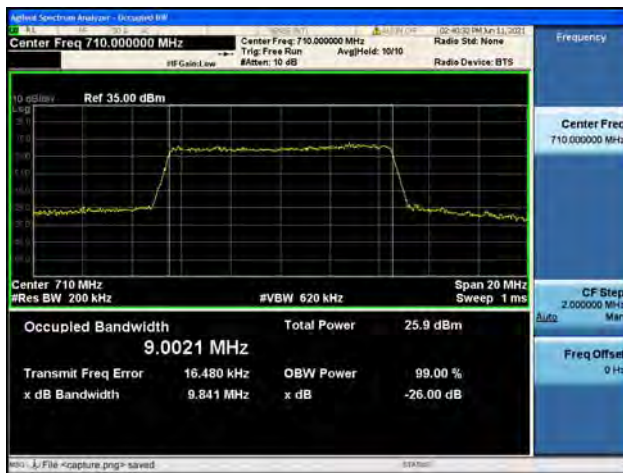
Band17 / 10MHz / Mid CH / QPSK



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

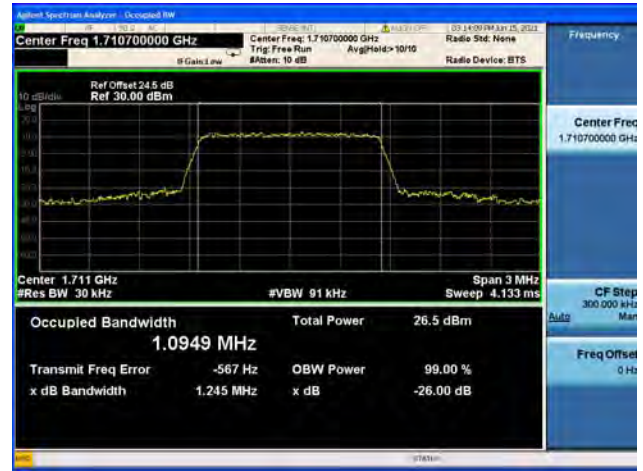




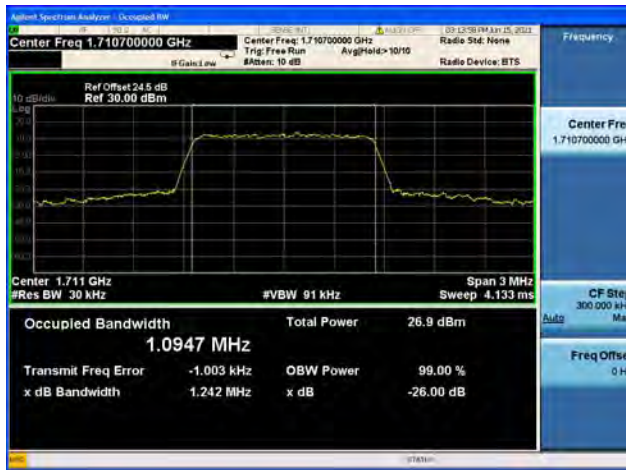
Band66 / 1.4MHz / Low CH / QPSK



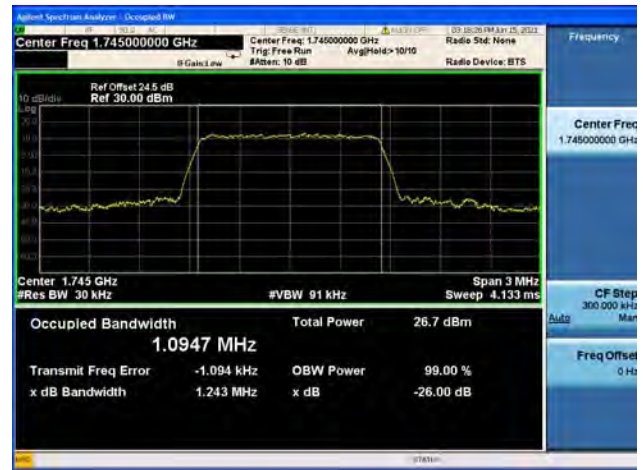
Band66 / 1.4MHz / Low CH / 16QAM



Band66 / 1.4MHz / Low CH / 64QAM



Band66 / 1.4MHz / Mid CH / QPSK



Band66 / 1.4MHz / Mid CH / 16QAM



Band66 / 1.4MHz / Mid CH / 64QAM





Band66 / 1.4MHz / High CH / QPSK



Band66 / 1.4MHz / High CH / 16QAM



Band66 / 1.4MHz / High CH / 64QAM



Band66 / 3MHz / Low CH / QPSK



Band66 / 3MHz / Low CH / 16QAM

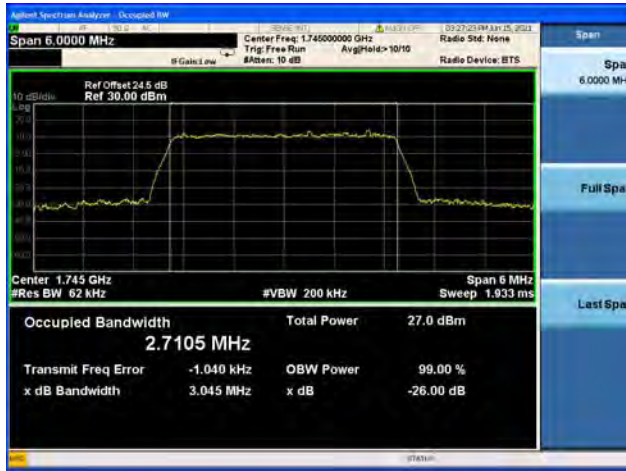


Band66 / 3MHz / Low CH / 64QAM





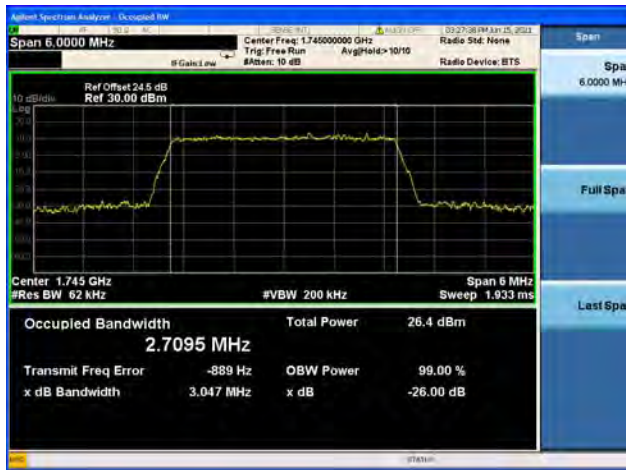
Band66 / 3MHz / Mid CH / QPSK



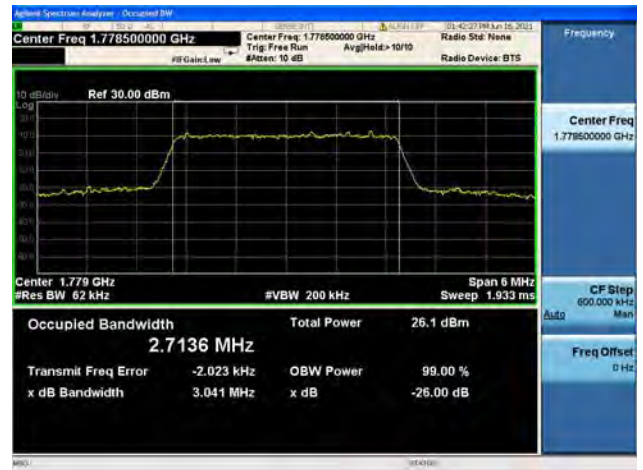
Band66 / 3MHz / Mid CH / 16QAM



Band66 / 3MHz / Mid CH / 64QAM



Band66 / 3MHz / High CH / QPSK



Band66 / 3MHz / High CH / 16QAM



Band66 / 3MHz / High CH / 64QAM







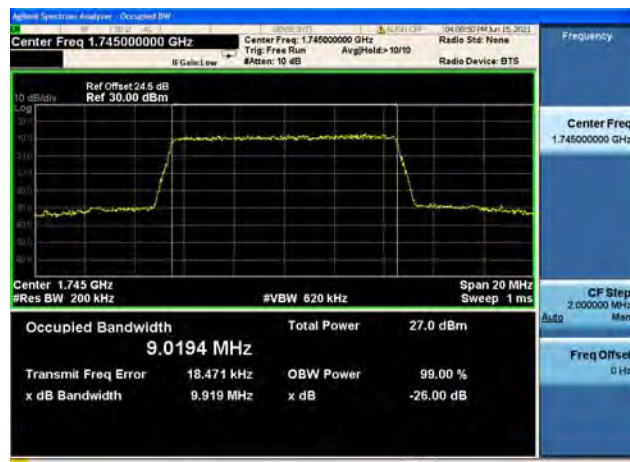
Band66 / 10MHz / Mid CH / QPSK



Band66 / 10MHz / Mid CH / 16QAM



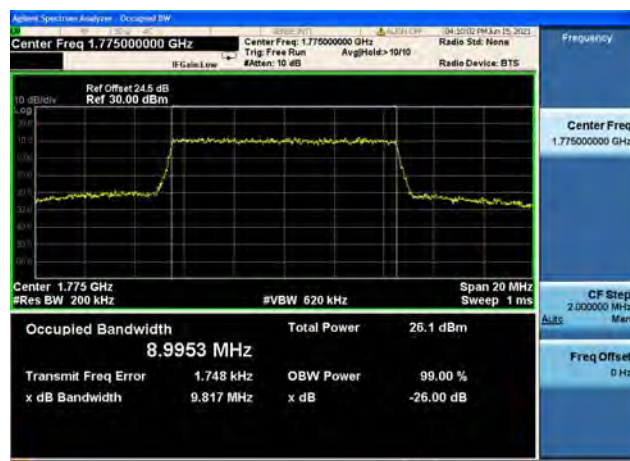
Band66 / 10MHz / Mid CH / 64QAM



Band66 / 10MHz / High CH / QPSK



Band66 / 10MHz / High CH / 16QAM



Band66 / 10MHz / High CH / 64QAM

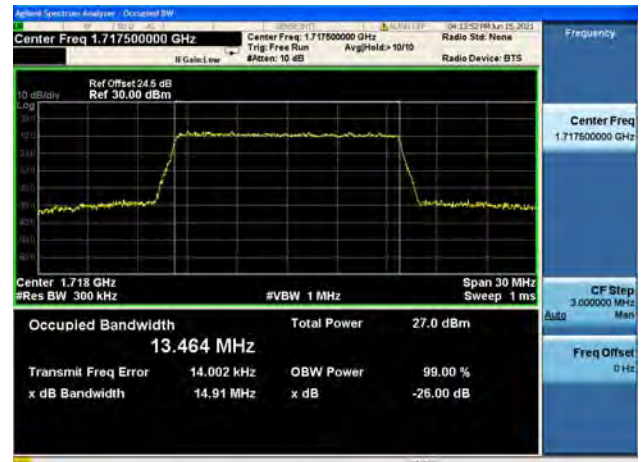




Band66 / 15MHz / Low CH / QPSK



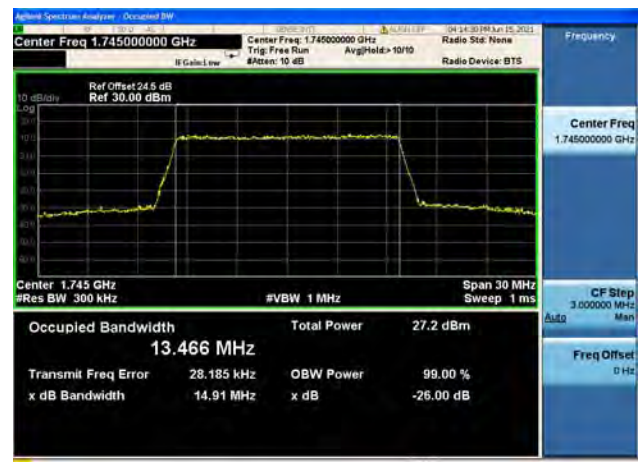
Band66 / 15MHz / Low CH / 16QAM



Band66 / 15MHz / Low CH / 64QAM



Band66 / 15MHz / Mid CH / QPSK



Band66 / 15MHz / Mid CH / 16QAM



Band66 / 15MHz / Mid CH / 64QAM

