



TEST REPORT

APPLICANT : BLU Products, Inc.

PRODUCT NAME : Smart Phone

MODEL NAME : G51 PLUS

BRAND NAME : BLU

FCC ID : YHLBLUG51PS512

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

RECEIPT DATE : 2022-02-11

TEST DATE : 2022-02-27 to 2022-03-22

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Edited by: Peng Mi
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Change History		
Version	Date	Reason for change
1.0	2022-04-11	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:	Smart Phone	
Sample No.:	5#	
Hardware Version:	V1.2	
Software Version:	BLU_GO512WW_V11.0.01.00_GENERIC 11-01-2022 1039	
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:	Fixed Internal Antenna	
Antenna Gain:	LTE Band 2	0.98dBi
	LTE Band 4	0.90dBi
	LTE Band 5	-1.08dBi
	LTE Band 7	1.35dBi
	LTE Band 12	-1.64dBi
	LTE Band 17	-1.61dBi
	LTE Band 66	0.84dBi
Accessory Information:	Battery	
	Brand Name:	BLU
	Model No.:	C926647400P
	Serial No.:	N/A
	Capacity:	4000mAh
	Rated Voltage:	3.8V
	Charge Limit:	4.35V
	Manufacturer:	HUNAN GAOYUAN BATTERY CO.,LTD
	AC Adapter	
	Brand Name:	BLU
	Model No.:	US-CR-1000
	Serial No.:	N/A
	Rated Output:	5V \pm 1000mA
	Rated Input:	100-240V \sim 50/60Hz, 0.2A
	Manufacturer:	Shenzhen Bajunda Electronic Co., Ltd

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

Note 2: 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	0.274	0.221	0.220	18M0G7D	18M0W7D	18M0W7D	
15	0.269	0.219	0.217	13M5G7D	13M5W7D	13M5W7D	
10	0.269	0.217	0.218	9M01G7D	8M97W7D	9M00W7D	
5	0.269	0.218	0.215	4M50G7D	4M50W7D	4M50W7D	
3	0.265	0.217	0.217	2M72G7D	2M72W7D	2M73W7D	
1.4	0.265	0.217	0.216	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	0.308	0.244	0.249	18M0G7D	18M1W7D	18M0W7D	
15	0.305	0.240	0.247	13M5G7D	13M5W7D	13M5W7D	
10	0.304	0.242	0.243	9M02G7D	8M98W7D	8M98W7D	
5	0.308	0.238	0.242	4M50G7D	4M51W7D	4M49W7D	
3	0.302	0.238	0.243	2M72G7D	2M72W7D	2M72W7D	
1.4	0.297	0.236	0.241	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	0.109	0.092	0.085	9M03G7D	9M00W7D	9M02W7D	
5	0.108	0.091	0.085	4M51G7D	4M50W7D	4M50W7D	
3	0.108	0.091	0.085	2M71G7D	2M72W7D	2M73W7D	
1.4	0.103	0.087	0.081	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	0.117	0.098	0.098	18M0G7D	18M0W7D	18M0W7D	
15	0.116	0.097	0.097	13M5G7D	13M5W7D	13M5W7D	
10	0.116	0.096	0.097	9M03G7D	8M99W7D	9M00W7D	
5	0.115	0.096	0.096	4M50G7D	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	0.102	0.085	0.079	9M01G7D	8M99W7D	9M00W7D	
5	0.097	0.082	0.076	4M50G7D	4M50W7D	4M50W7D	
3	0.096	0.081	0.074	2M72G7D	2M72W7D	2M72W7D	
1.4	0.097	0.081	0.074	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	0.099	0.082	0.076	9M01G7D	8M97W7D	8M98W7D
5	0.098	0.082	0.076	4M50G7D	4M50W7D	4M49W7D
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	0.277	0.208	0.177	18M0G7D	18M0W7D	18M0W7D
15	0.275	0.210	0.178	13M5G7D	13M5W7D	13M5W7D
10	0.277	0.222	0.173	9M05G7D	8M98W7D	9M01W7D
5	0.274	0.223	0.175	4M52G7D	4M50W7D	4M51W7D
3	0.272	0.212	0.175	2M72G7D	2M72W7D	2M71W7D
1.4	0.273	0.218	0.176	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.	Mar. 22, 2022	Chen Hao Li Huaijie	PASS	No deviation
2.1049	Occupied Bandwidth	Feb. 28, 2022 Mar. 01&03, 2022	Li Huaijie	PASS	No deviation
2.1055 22.355 24.235 27.54	Frequency Stability	Mar. 03, 2022	Li Huaijie	PASS	No deviation
24.232(d), 27.50(d)(5)	Peak to Average Radio	Feb. 28, 2022 Mar. 03, 2022	Li Huaijie	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(g) 27.53(h) 27.53(m)(4)	Conducted Spurious Emissions	Feb. 28, 2022 Mar. 01&03, 2022	Li Huaijie	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(g)	Band Edge	Feb. 27&28, 2022 Mar. 01&03, 2022	Li Huaijie	PASS	No deviation



27.53(h) 27.53(m)(4)					
2.1053 22.917(a) 24.238(a) 27.53(g) 27.53(h) 27.53(m)(4)	Radiated Spurious Emissions	Mar. 01&02, 2022	Su Zhan	PASS	No deviation

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

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

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

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

1.5. Environmental Conditions

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

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



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

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

2.1.1. Requirement

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

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

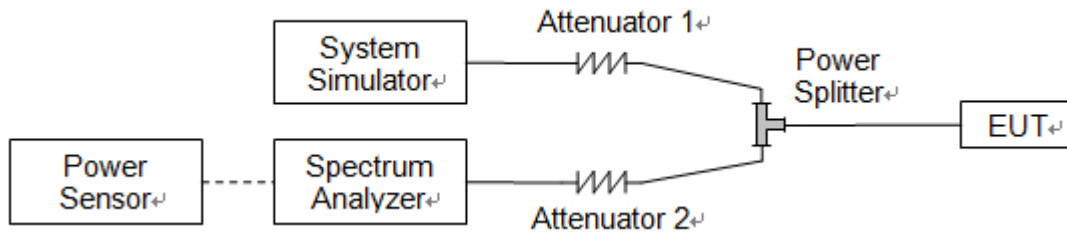
According to FCC section 27.50 (d)(4) for LTE Band 4/66, Fixed, mobile and portable (hand-held) stations in the 1710-1755MHz band are limited to 1wat E.I.R.P.

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

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

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

2.1.2. Test Description



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

2.1.3. Test Procedure

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

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

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



2.1.4. Result

Conducted Output Power:

LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18700	18900	19100
Frequency (MHz)				1860	1880	1900
20	QPSK	1	0	23.37	23.39	23.33
20	QPSK	1	49	23.21	23.36	23.26
20	QPSK	1	99	23.18	23.27	23.30
20	QPSK	50	0	22.32	22.41	22.46
20	QPSK	50	24	22.36	22.28	22.17
20	QPSK	50	50	22.25	22.31	22.19
20	QPSK	100	0	22.38	22.41	22.47
20	16QAM	1	0	22.43	22.40	22.45
20	16QAM	1	49	22.32	22.46	22.31
20	16QAM	1	99	22.31	22.33	22.38
20	16QAM	50	0	21.50	21.43	21.43
20	16QAM	50	24	21.47	21.50	21.34
20	16QAM	50	50	21.38	21.41	21.21
20	16QAM	100	0	21.43	21.35	21.64
20	64QAM	1	0	22.44	22.40	22.32
20	64QAM	1	49	22.32	22.23	22.35
20	64QAM	1	99	22.40	22.41	22.28
20	64QAM	50	0	21.44	21.63	21.37
20	64QAM	50	24	21.41	21.37	21.32
20	64QAM	50	50	21.30	21.42	21.26
20	64QAM	100	0	21.36	21.32	21.42



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18675	18900	19125
Frequency (MHz)				1857.5	1880	1902.5
15	QPSK	1	0	23.30	23.32	23.24
15	QPSK	1	37	23.12	23.27	23.19
15	QPSK	1	74	23.09	23.21	23.23
15	QPSK	36	0	22.23	22.35	22.39
15	QPSK	36	20	22.27	22.25	22.10
15	QPSK	36	39	22.16	22.28	22.12
15	QPSK	75	0	22.29	22.38	22.40
15	16QAM	1	0	22.34	22.37	22.38
15	16QAM	1	37	22.23	22.43	22.24
15	16QAM	1	74	22.22	22.30	22.31
15	16QAM	36	0	21.41	21.40	21.36
15	16QAM	36	20	21.38	21.47	21.27
15	16QAM	36	39	21.29	21.38	21.14
15	16QAM	75	0	21.44	21.52	21.57
15	64QAM	1	0	22.35	22.37	22.25
15	64QAM	1	37	22.23	22.20	22.28
15	64QAM	1	74	22.31	22.38	22.21
15	64QAM	36	0	21.35	21.60	21.30
15	64QAM	36	20	21.32	21.34	21.25
15	64QAM	36	39	21.21	21.39	21.19
15	64QAM	75	0	21.27	21.29	21.35



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	23.21	23.31	23.22
10	QPSK	1	25	23.17	23.28	23.15
10	QPSK	1	49	23.14	23.12	23.19
10	QPSK	25	0	22.28	22.33	22.35
10	QPSK	25	12	22.32	22.20	22.06
10	QPSK	25	25	22.21	22.23	22.08
10	QPSK	50	0	22.34	22.33	22.36
10	16QAM	1	0	22.39	22.32	22.34
10	16QAM	1	25	22.28	22.38	22.20
10	16QAM	1	49	22.27	22.25	22.27
10	16QAM	25	0	21.46	21.35	21.32
10	16QAM	25	12	21.43	21.42	21.23
10	16QAM	25	25	21.34	21.33	21.10
10	16QAM	50	0	21.49	21.47	21.53
10	64QAM	1	0	22.40	22.32	22.21
10	64QAM	1	25	22.28	22.15	22.24
10	64QAM	1	49	22.36	22.33	22.17
10	64QAM	25	0	21.40	21.55	21.26
10	64QAM	25	12	21.37	21.29	21.21
10	64QAM	25	25	21.26	21.34	21.15
10	64QAM	50	0	21.32	21.24	21.31



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18625	18900	19175
Frequency (MHz)				1852.5	1880	1907.5
5	QPSK	1	0	23.25	23.32	23.21
5	QPSK	1	12	23.09	23.30	23.14
5	QPSK	1	24	23.06	23.21	23.18
5	QPSK	12	0	22.20	22.35	22.34
5	QPSK	12	7	22.24	22.22	22.05
5	QPSK	12	13	22.13	22.25	22.07
5	QPSK	25	0	22.26	22.35	22.35
5	16QAM	1	0	22.31	22.34	22.33
5	16QAM	1	12	22.20	22.40	22.19
5	16QAM	1	24	22.19	22.27	22.26
5	16QAM	12	0	21.38	21.37	21.31
5	16QAM	12	7	21.35	21.44	21.22
5	16QAM	12	13	21.26	21.35	21.09
5	16QAM	25	0	21.41	21.49	21.52
5	64QAM	1	0	22.32	22.34	22.20
5	64QAM	1	12	22.20	22.17	22.23
5	64QAM	1	24	22.28	22.35	22.16
5	64QAM	12	0	21.32	21.57	21.25
5	64QAM	12	7	21.29	21.31	21.20
5	64QAM	12	13	21.18	21.36	21.14
5	64QAM	25	0	21.24	21.26	21.30



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				18615	18900	19185
Frequency (MHz)				1851.5	1880	1908.5
3	QPSK	1	0	23.22	23.25	23.19
3	QPSK	1	8	23.16	23.22	23.12
3	QPSK	1	14	23.13	23.13	23.16
3	QPSK	8	0	22.27	22.27	22.32
3	QPSK	8	4	22.31	22.14	22.03
3	QPSK	8	7	22.20	22.17	22.05
3	QPSK	15	0	22.33	22.27	22.33
3	16QAM	1	0	22.38	22.26	22.31
3	16QAM	1	8	22.27	22.32	22.17
3	16QAM	1	14	22.26	22.19	22.24
3	16QAM	8	0	21.45	21.29	21.29
3	16QAM	8	4	21.42	21.36	21.20
3	16QAM	8	7	21.33	21.27	21.07
3	16QAM	15	0	21.48	21.41	21.50
3	64QAM	1	0	22.39	22.26	22.18
3	64QAM	1	8	22.27	22.09	22.21
3	64QAM	1	14	22.35	22.27	22.14
3	64QAM	8	0	21.39	21.49	21.23
3	64QAM	8	4	21.36	21.23	21.18
3	64QAM	8	7	21.25	21.28	21.12
3	64QAM	15	0	21.31	21.18	21.28



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18607	18900	19193
Frequency (MHz)				1850.7	1880	1909.3
1.4	QPSK	1	0	23.24	23.26	23.20
1.4	QPSK	1	3	23.08	23.23	23.13
1.4	QPSK	1	5	23.05	23.14	23.17
1.4	QPSK	3	0	22.19	22.28	22.33
1.4	QPSK	3	1	22.28	22.20	22.04
1.4	QPSK	3	3	22.17	22.23	22.06
1.4	QPSK	6	0	22.30	22.33	22.34
1.4	16QAM	1	0	22.35	22.32	22.32
1.4	16QAM	1	3	22.24	22.38	22.18
1.4	16QAM	1	5	22.18	22.20	22.30
1.4	16QAM	3	0	21.37	21.30	21.35
1.4	16QAM	3	1	21.34	21.37	21.26
1.4	16QAM	3	3	21.25	21.28	21.13
1.4	16QAM	6	0	21.45	21.42	21.51
1.4	64QAM	1	0	22.36	22.27	22.19
1.4	64QAM	1	3	22.24	22.10	22.22
1.4	64QAM	1	5	22.32	22.33	22.15
1.4	64QAM	3	0	21.36	21.55	21.34
1.4	64QAM	3	1	21.33	21.29	21.19
1.4	64QAM	3	3	21.22	21.34	21.13
1.4	64QAM	6	0	21.36	21.32	21.42



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20050	20175	20300
Frequency (MHz)				1720	1732.5	1745
20	QPSK	1	0	23.91	23.98	23.81
20	QPSK	1	49	23.94	23.94	23.69
20	QPSK	1	99	23.84	23.80	23.68
20	QPSK	50	0	22.96	22.92	22.93
20	QPSK	50	24	22.87	22.99	22.90
20	QPSK	50	50	22.94	22.85	22.81
20	QPSK	100	0	22.95	23.19	22.85
20	16QAM	1	0	22.98	22.94	22.94
20	16QAM	1	49	22.87	22.74	22.84
20	16QAM	1	99	22.88	22.67	22.77
20	16QAM	50	0	21.74	21.73	21.76
20	16QAM	50	24	21.96	21.69	21.73
20	16QAM	50	50	22.00	21.62	21.61
20	16QAM	100	0	21.69	21.63	21.61
20	64QAM	1	0	22.79	22.72	23.07
20	64QAM	1	49	22.72	22.73	22.91
20	64QAM	1	99	22.66	22.60	22.83
20	64QAM	50	0	21.87	21.75	21.73
20	64QAM	50	24	21.84	21.78	21.68
20	64QAM	50	50	21.76	21.68	21.77
20	64QAM	100	0	21.70	21.62	21.62



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20025	20175	20325
Frequency (MHz)				1717.5	1732.5	1747.5
15	QPSK	1	0	23.88	23.94	23.72
15	QPSK	1	37	23.85	23.91	23.65
15	QPSK	1	74	23.75	23.77	23.64
15	QPSK	36	0	22.87	22.89	22.89
15	QPSK	36	20	22.78	22.96	22.86
15	QPSK	36	39	22.85	22.82	22.77
15	QPSK	75	0	22.86	23.16	22.81
15	16QAM	1	0	22.89	22.91	22.90
15	16QAM	1	37	22.78	22.71	22.80
15	16QAM	1	74	22.79	22.64	22.73
15	16QAM	36	0	21.65	21.70	21.72
15	16QAM	36	20	21.87	21.66	21.69
15	16QAM	36	39	21.91	21.59	21.57
15	16QAM	75	0	21.60	21.60	21.57
15	64QAM	1	0	22.70	22.69	23.03
15	64QAM	1	37	22.63	22.70	22.87
15	64QAM	1	74	22.57	22.57	22.79
15	64QAM	36	0	21.78	21.72	21.69
15	64QAM	36	20	21.75	21.75	21.64
15	64QAM	36	39	21.67	21.65	21.73
15	64QAM	75	0	21.61	21.59	21.58



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20000	20175	20350
Frequency (MHz)				1715	1732.5	1750
10	QPSK	1	0	23.85	23.93	23.70
10	QPSK	1	25	23.89	23.88	23.58
10	QPSK	1	49	23.79	23.74	23.57
10	QPSK	25	0	22.91	22.86	22.82
10	QPSK	25	12	22.82	22.93	22.79
10	QPSK	25	25	22.89	22.79	22.70
10	QPSK	50	0	22.90	23.13	22.74
10	16QAM	1	0	22.93	22.88	22.83
10	16QAM	1	25	22.82	22.68	22.73
10	16QAM	1	49	22.83	22.61	22.66
10	16QAM	25	0	21.69	21.67	21.65
10	16QAM	25	12	21.91	21.63	21.62
10	16QAM	25	25	21.95	21.56	21.50
10	16QAM	50	0	21.64	21.57	21.50
10	64QAM	1	0	22.74	22.66	22.96
10	64QAM	1	25	22.67	22.67	22.80
10	64QAM	1	49	22.61	22.54	22.72
10	64QAM	25	0	21.82	21.69	21.62
10	64QAM	25	12	21.79	21.72	21.57
10	64QAM	25	25	21.71	21.62	21.66
10	64QAM	50	0	21.65	21.56	21.51



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19975	20175	20375
Frequency (MHz)				1712.5	1732.5	1752.5
5	QPSK	1	0	23.78	23.98	23.68
5	QPSK	1	12	23.81	23.87	23.56
5	QPSK	1	24	23.71	23.73	23.55
5	QPSK	12	0	22.83	22.85	22.80
5	QPSK	12	7	22.74	22.92	22.77
5	QPSK	12	13	22.81	22.78	22.68
5	QPSK	25	0	22.82	23.12	22.72
5	16QAM	1	0	22.85	22.87	22.81
5	16QAM	1	12	22.74	22.67	22.71
5	16QAM	1	24	22.75	22.60	22.64
5	16QAM	12	0	21.61	21.66	21.63
5	16QAM	12	7	21.83	21.62	21.60
5	16QAM	12	13	21.87	21.55	21.48
5	16QAM	25	0	21.56	21.56	21.48
5	64QAM	1	0	22.66	22.65	22.94
5	64QAM	1	12	22.59	22.66	22.78
5	64QAM	1	24	22.53	22.53	22.70
5	64QAM	12	0	21.80	21.61	21.66
5	64QAM	12	7	21.77	21.64	21.61
5	64QAM	12	13	21.69	21.54	21.70
5	64QAM	25	0	21.63	21.48	21.55



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19965	20175	20385
Frequency (MHz)				1711.5	1732.5	1753.5
3	QPSK	1	0	23.83	23.90	23.73
3	QPSK	1	8	23.86	23.86	23.61
3	QPSK	1	14	23.76	23.72	23.60
3	QPSK	8	0	22.88	22.84	22.85
3	QPSK	8	4	22.79	22.91	22.82
3	QPSK	8	7	22.86	22.77	22.73
3	QPSK	15	0	22.87	23.11	22.77
3	16QAM	1	0	22.86	22.82	22.82
3	16QAM	1	8	22.75	22.62	22.72
3	16QAM	1	14	22.76	22.55	22.65
3	16QAM	8	0	21.62	21.61	21.64
3	16QAM	8	4	21.84	21.57	21.61
3	16QAM	8	7	21.88	21.50	21.49
3	16QAM	15	0	21.57	21.51	21.49
3	64QAM	1	0	22.67	22.60	22.95
3	64QAM	1	8	22.60	22.61	22.79
3	64QAM	1	14	22.54	22.68	22.71
3	64QAM	8	0	21.75	21.63	21.61
3	64QAM	8	4	21.72	21.66	21.56
3	64QAM	8	7	21.64	21.56	21.65
3	64QAM	15	0	21.58	21.50	21.50



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19957	20175	20393
Frequency (MHz)				1710.7	1732.5	1754.3
1.4	QPSK	1	0	23.76	23.83	23.66
1.4	QPSK	1	3	23.79	23.79	23.57
1.4	QPSK	1	5	23.72	23.68	23.56
1.4	QPSK	3	0	22.84	22.80	22.81
1.4	QPSK	3	1	22.75	22.87	22.75
1.4	QPSK	3	3	22.79	22.70	22.66
1.4	QPSK	6	0	22.80	23.04	22.70
1.4	16QAM	1	0	22.83	22.79	22.79
1.4	16QAM	1	3	22.72	22.59	22.69
1.4	16QAM	1	5	22.73	22.52	22.62
1.4	16QAM	3	0	21.59	21.58	21.61
1.4	16QAM	3	1	21.84	21.57	21.58
1.4	16QAM	3	3	21.88	21.50	21.46
1.4	16QAM	6	0	21.57	21.51	21.46
1.4	64QAM	1	0	22.64	22.57	22.92
1.4	64QAM	1	3	22.57	22.58	22.76
1.4	64QAM	1	5	22.51	22.45	22.68
1.4	64QAM	3	0	21.72	21.63	21.61
1.4	64QAM	3	1	21.69	21.66	21.56
1.4	64QAM	3	3	21.61	21.56	21.65
1.4	64QAM	6	0	21.55	21.61	21.63



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20450	20525	20600
Frequency (MHz)				829	836.5	844
10	QPSK	1	0	23.42	23.61	23.45
10	QPSK	1	25	23.51	23.59	23.54
10	QPSK	1	49	23.46	23.50	23.57
10	QPSK	25	0	22.22	22.35	22.21
10	QPSK	25	12	22.13	22.28	22.16
10	QPSK	25	25	22.26	22.36	22.25
10	QPSK	50	0	22.27	22.28	22.22
10	16QAM	1	0	22.69	22.84	22.75
10	16QAM	1	25	22.87	22.86	22.81
10	16QAM	1	49	22.83	22.79	22.77
10	16QAM	25	0	21.61	21.65	21.59
10	16QAM	25	12	21.55	21.62	21.58
10	16QAM	25	25	21.58	21.59	21.60
10	16QAM	50	0	21.64	21.62	21.61
10	64QAM	1	0	22.48	22.53	22.49
10	64QAM	1	25	22.54	22.54	22.51
10	64QAM	1	49	22.50	22.49	22.54
10	64QAM	25	0	21.45	21.52	21.39
10	64QAM	25	12	21.40	21.47	21.44
10	64QAM	25	25	21.33	21.39	21.40
10	64QAM	50	0	21.25	21.33	21.34



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20425	20525	20625
Frequency (MHz)				826.5	836.5	846.5
5	QPSK	1	0	23.36	23.58	23.41
5	QPSK	1	12	23.45	23.56	23.50
5	QPSK	1	24	23.40	23.47	23.53
5	QPSK	12	0	22.16	22.32	22.17
5	QPSK	12	7	22.07	22.25	22.12
5	QPSK	12	13	22.20	22.33	22.21
5	QPSK	25	0	22.21	22.25	22.18
5	16QAM	1	0	22.63	22.81	22.71
5	16QAM	1	12	22.81	22.83	22.77
5	16QAM	1	24	22.77	22.76	22.73
5	16QAM	12	0	21.55	21.62	21.55
5	16QAM	12	7	21.49	21.59	21.54
5	16QAM	12	13	21.52	21.56	21.56
5	16QAM	25	0	21.58	21.59	21.57
5	64QAM	1	0	22.42	22.50	22.45
5	64QAM	1	12	22.48	22.51	22.47
5	64QAM	1	24	22.44	22.46	22.50
5	64QAM	12	0	21.39	21.49	21.35
5	64QAM	12	7	21.34	21.44	21.40
5	64QAM	12	13	21.27	21.36	21.36
5	64QAM	25	0	21.19	21.30	21.30



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20415	20525	20635
Frequency (MHz)				825.5	836.5	847.5
3	QPSK	1	0	23.38	23.58	23.40
3	QPSK	1	8	23.47	23.56	23.49
3	QPSK	1	14	23.42	23.47	23.52
3	QPSK	8	0	22.18	22.32	22.16
3	QPSK	8	4	22.09	22.25	22.11
3	QPSK	8	7	22.22	22.33	22.20
3	QPSK	15	0	22.23	22.25	22.17
3	16QAM	1	0	22.65	22.81	22.70
3	16QAM	1	8	22.83	22.83	22.76
3	16QAM	1	14	22.79	22.76	22.72
3	16QAM	8	0	21.57	21.62	21.54
3	16QAM	8	4	21.51	21.59	21.53
3	16QAM	8	7	21.54	21.56	21.55
3	16QAM	15	0	21.60	21.59	21.56
3	64QAM	1	0	22.44	22.50	22.44
3	64QAM	1	8	22.50	22.51	22.46
3	64QAM	1	14	22.46	22.46	22.49
3	64QAM	8	0	21.41	21.49	21.34
3	64QAM	8	4	21.36	21.44	21.39
3	64QAM	8	7	21.29	21.36	21.35
3	64QAM	15	0	21.21	21.30	21.29



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	23.17	23.36	23.20
1.4	QPSK	1	3	23.26	23.34	23.29
1.4	QPSK	1	5	23.21	23.25	23.32
1.4	QPSK	3	0	22.97	23.10	22.96
1.4	QPSK	3	1	22.88	23.03	22.91
1.4	QPSK	3	3	23.01	23.11	23.00
1.4	QPSK	6	0	22.02	22.03	21.97
1.4	16QAM	1	0	22.44	22.59	22.50
1.4	16QAM	1	3	22.62	22.61	22.56
1.4	16QAM	1	5	22.58	22.54	22.52
1.4	16QAM	3	0	22.36	22.40	22.34
1.4	16QAM	3	1	22.30	22.37	22.33
1.4	16QAM	3	3	22.33	22.34	22.35
1.4	16QAM	6	0	21.39	21.37	21.36
1.4	64QAM	1	0	22.23	22.28	22.24
1.4	64QAM	1	3	22.29	22.29	22.26
1.4	64QAM	1	5	22.25	22.24	22.29
1.4	64QAM	3	0	21.20	21.27	21.14
1.4	64QAM	3	1	21.15	21.22	21.19
1.4	64QAM	3	3	21.08	21.14	21.15
1.4	64QAM	6	0	21.00	21.08	21.09



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	19.28	19.34	19.33
20	QPSK	1	49	19.12	19.18	19.08
20	QPSK	1	99	19.21	19.17	19.16
20	QPSK	50	0	18.24	18.30	18.33
20	QPSK	50	24	18.17	18.29	18.27
20	QPSK	50	50	18.10	18.28	18.36
20	QPSK	100	0	18.25	18.39	18.33
20	16QAM	1	0	18.48	18.11	18.46
20	16QAM	1	49	18.18	18.10	18.32
20	16QAM	1	99	18.24	18.34	18.26
20	16QAM	50	0	18.26	18.41	18.51
20	16QAM	50	24	18.27	18.38	18.30
20	16QAM	50	50	18.30	18.47	18.32
20	16QAM	100	0	18.30	18.51	18.55
20	64QAM	1	0	18.01	18.34	18.42
20	64QAM	1	49	18.14	18.46	18.07
20	64QAM	1	99	18.08	18.25	18.13
20	64QAM	50	0	18.35	18.49	18.57
20	64QAM	50	24	18.31	18.52	18.49
20	64QAM	50	50	18.23	18.46	18.37
20	64QAM	100	0	18.34	18.48	18.54



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	18.92	19.30	19.30
15	QPSK	1	37	19.04	19.15	19.04
15	QPSK	1	74	19.13	19.14	19.12
15	QPSK	36	0	17.96	18.27	18.36
15	QPSK	36	20	18.09	18.26	18.23
15	QPSK	36	39	18.02	18.25	18.32
15	QPSK	75	0	18.07	18.22	18.34
15	16QAM	1	0	18.40	18.08	18.42
15	16QAM	1	37	18.10	18.07	18.28
15	16QAM	1	74	18.16	18.31	18.22
15	16QAM	36	0	18.18	18.38	18.47
15	16QAM	36	20	18.19	18.35	18.26
15	16QAM	36	39	18.22	18.44	18.28
15	16QAM	75	0	18.22	18.48	18.51
15	64QAM	1	0	17.93	18.31	18.38
15	64QAM	1	37	18.06	18.43	18.03
15	64QAM	1	74	18.00	18.22	18.09
15	64QAM	36	0	18.27	18.46	18.53
15	64QAM	36	20	18.23	18.49	18.45
15	64QAM	36	39	18.15	18.30	18.33
15	64QAM	75	0	18.26	18.45	18.50



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	18.89	19.29	19.26
10	QPSK	1	25	19.01	19.13	19.01
10	QPSK	1	49	19.10	19.12	19.09
10	QPSK	25	0	17.93	18.25	18.33
10	QPSK	25	12	18.06	18.24	18.20
10	QPSK	25	25	17.99	18.23	18.29
10	QPSK	50	0	18.04	18.20	18.31
10	16QAM	1	0	18.37	18.06	18.39
10	16QAM	1	25	18.07	18.05	18.25
10	16QAM	1	49	18.13	18.29	18.19
10	16QAM	25	0	18.15	18.36	18.44
10	16QAM	25	12	18.16	18.33	18.23
10	16QAM	25	25	18.19	18.42	18.25
10	16QAM	50	0	18.19	18.46	18.48
10	64QAM	1	0	18.13	18.29	18.35
10	64QAM	1	25	18.03	18.41	18.00
10	64QAM	1	49	18.22	18.22	18.26
10	64QAM	25	0	18.24	18.44	18.50
10	64QAM	25	12	18.20	18.47	18.42
10	64QAM	25	25	18.12	18.41	18.30
10	64QAM	50	0	18.34	18.43	18.47



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	18.94	19.24	19.21
5	QPSK	1	12	19.06	19.06	18.99
5	QPSK	1	24	19.15	19.05	19.07
5	QPSK	12	0	17.98	18.18	18.31
5	QPSK	12	7	18.11	18.17	18.18
5	QPSK	12	13	18.04	18.16	18.27
5	QPSK	25	0	18.09	18.13	18.29
5	16QAM	1	0	18.42	17.99	18.37
5	16QAM	1	12	18.12	17.98	18.23
5	16QAM	1	24	18.18	18.22	18.17
5	16QAM	12	0	18.20	18.29	18.42
5	16QAM	12	7	18.21	18.26	18.21
5	16QAM	12	13	18.24	18.35	18.23
5	16QAM	25	0	18.24	18.39	18.46
5	64QAM	1	0	17.95	18.22	18.33
5	64QAM	1	12	18.08	18.34	17.98
5	64QAM	1	24	18.02	18.13	18.04
5	64QAM	12	0	18.29	18.37	18.48
5	64QAM	12	7	18.25	18.40	18.40
5	64QAM	12	13	18.17	18.34	18.28
5	64QAM	25	0	18.34	18.36	18.45



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23060	23095	23130
Frequency (MHz)				704	707.5	711
10	QPSK	1	0	23.62	23.88	23.81
10	QPSK	1	25	23.61	23.81	23.79
10	QPSK	1	49	23.58	23.75	23.73
10	QPSK	25	0	22.70	22.69	22.71
10	QPSK	25	12	22.66	22.67	22.68
10	QPSK	25	25	22.64	22.63	22.64
10	QPSK	50	0	22.71	22.80	22.74
10	16QAM	1	0	23.04	23.10	23.06
10	16QAM	1	25	22.95	23.02	22.98
10	16QAM	1	49	22.89	22.96	22.91
10	16QAM	25	0	21.71	21.78	21.72
10	16QAM	25	12	21.68	21.75	21.70
10	16QAM	25	25	21.66	21.71	21.67
10	16QAM	50	0	21.74	21.83	21.76
10	64QAM	1	0	22.67	22.74	22.69
10	64QAM	1	25	22.63	22.69	22.66
10	64QAM	1	49	22.65	22.71	22.70
10	64QAM	25	0	21.65	21.66	21.64
10	64QAM	25	12	21.76	21.78	21.75
10	64QAM	25	25	21.72	21.79	21.74
10	64QAM	50	0	21.73	21.70	21.72



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23035	23095	23155
Frequency (MHz)				701.5	707.5	713.5
5	QPSK	1	0	23.53	23.65	23.61
5	QPSK	1	12	23.52	23.58	23.59
5	QPSK	1	24	23.49	23.52	23.53
5	QPSK	12	0	22.61	22.46	22.51
5	QPSK	12	7	22.57	22.44	22.48
5	QPSK	12	13	22.55	22.40	22.44
5	QPSK	25	0	22.62	22.57	22.54
5	16QAM	1	0	22.95	22.87	22.86
5	16QAM	1	12	22.86	22.79	22.78
5	16QAM	1	24	22.80	22.73	22.71
5	16QAM	12	0	21.62	21.55	21.52
5	16QAM	12	7	21.59	21.52	21.50
5	16QAM	12	13	21.57	21.48	21.47
5	16QAM	25	0	21.65	21.60	21.56
5	64QAM	1	0	22.58	22.51	22.49
5	64QAM	1	12	22.54	22.46	22.46
5	64QAM	1	24	22.56	22.48	22.50
5	64QAM	12	0	21.56	21.43	21.44
5	64QAM	12	7	21.67	21.55	21.55
5	64QAM	12	13	21.63	21.56	21.54
5	64QAM	25	0	21.64	21.47	21.52



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23025	23095	23165
Frequency (MHz)				700.5	707.5	714.5
3	QPSK	1	0	23.40	23.63	23.56
3	QPSK	1	8	23.39	23.56	23.54
3	QPSK	1	14	23.36	23.50	23.48
3	QPSK	8	0	22.48	22.44	22.46
3	QPSK	8	4	22.44	22.42	22.43
3	QPSK	8	7	22.42	22.38	22.39
3	QPSK	15	0	22.49	22.55	22.49
3	16QAM	1	0	22.82	22.85	22.81
3	16QAM	1	8	22.73	22.77	22.73
3	16QAM	1	14	22.67	22.71	22.66
3	16QAM	8	0	21.49	21.53	21.47
3	16QAM	8	4	21.46	21.50	21.45
3	16QAM	8	7	21.44	21.46	21.42
3	16QAM	15	0	21.52	21.58	21.51
3	64QAM	1	0	22.45	22.49	22.44
3	64QAM	1	8	22.41	22.44	22.41
3	64QAM	1	14	22.43	22.46	22.45
3	64QAM	8	0	21.43	21.41	21.39
3	64QAM	8	4	21.54	21.53	21.50
3	64QAM	8	7	21.50	21.54	21.49
3	64QAM	15	0	21.51	21.45	21.47



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23017	23095	23173
Frequency (MHz)				699.7	707.5	715.3
1.4	QPSK	1	0	23.39	23.64	23.56
1.4	QPSK	1	3	23.38	23.57	23.54
1.4	QPSK	1	5	23.35	23.51	23.48
1.4	QPSK	3	0	22.47	22.45	22.46
1.4	QPSK	3	1	22.43	22.43	22.43
1.4	QPSK	3	3	22.41	22.39	22.39
1.4	QPSK	6	0	22.48	22.56	22.49
1.4	16QAM	1	0	22.81	22.86	22.81
1.4	16QAM	1	3	22.72	22.78	22.73
1.4	16QAM	1	5	22.66	22.72	22.66
1.4	16QAM	3	0	21.48	21.54	21.47
1.4	16QAM	3	1	21.45	21.51	21.45
1.4	16QAM	3	3	21.43	21.47	21.42
1.4	16QAM	6	0	21.51	21.59	21.51
1.4	64QAM	1	0	22.44	22.50	22.44
1.4	64QAM	1	3	22.40	22.45	22.41
1.4	64QAM	1	5	22.42	22.47	22.45
1.4	64QAM	3	0	21.42	21.42	21.39
1.4	64QAM	3	1	21.53	21.54	21.50
1.4	64QAM	3	3	21.49	21.55	21.49
1.4	64QAM	6	0	21.50	21.46	21.47



LTE Band 17						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23780	23790	23800
Frequency (MHz)				709	710	711
10	QPSK	1	0	23.69	23.73	23.68
10	QPSK	1	25	23.69	23.71	23.67
10	QPSK	1	49	23.63	23.66	23.62
10	QPSK	25	0	22.39	22.51	22.56
10	QPSK	25	12	22.55	22.56	22.60
10	QPSK	25	25	22.60	22.58	22.61
10	QPSK	50	0	22.51	22.53	22.55
10	16QAM	1	0	22.87	22.90	22.88
10	16QAM	1	25	22.89	22.91	22.90
10	16QAM	1	49	22.77	22.80	22.82
10	16QAM	25	0	21.63	21.69	21.62
10	16QAM	25	12	21.72	21.73	21.69
10	16QAM	25	25	21.70	21.72	21.68
10	16QAM	50	0	21.60	21.53	21.58
10	64QAM	1	0	22.48	22.54	22.47
10	64QAM	1	25	22.56	22.55	22.53
10	64QAM	1	49	22.38	22.42	22.45
10	64QAM	25	0	21.64	21.75	21.69
10	64QAM	25	12	21.65	21.73	21.68
10	64QAM	25	25	21.57	21.70	21.66
10	64QAM	50	0	21.52	21.48	21.49



LTE Band 17						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23755	23790	23825
Frequency (MHz)				706.5	710	713.5
5	QPSK	1	0	23.67	23.53	23.50
5	QPSK	1	12	23.67	23.51	23.49
5	QPSK	1	24	23.61	23.46	23.44
5	QPSK	12	0	22.55	22.49	22.56
5	QPSK	12	7	22.53	22.54	22.60
5	QPSK	12	13	22.58	22.56	22.61
5	QPSK	25	0	22.49	22.51	22.55
5	16QAM	1	0	22.85	22.88	22.88
5	16QAM	1	12	22.87	22.89	22.90
5	16QAM	1	24	22.75	22.78	22.82
5	16QAM	12	0	21.61	21.67	21.62
5	16QAM	12	7	21.70	21.71	21.69
5	16QAM	12	13	21.68	21.70	21.68
5	16QAM	25	0	21.58	21.51	21.58
5	64QAM	1	0	22.46	22.52	22.47
5	64QAM	1	12	22.54	22.53	22.53
5	64QAM	1	24	22.36	22.40	22.45
5	64QAM	12	0	21.62	21.73	21.69
5	64QAM	12	7	21.63	21.71	21.68
5	64QAM	12	13	21.55	21.68	21.66
5	64QAM	25	0	21.50	21.46	21.49



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132072	132322	132572
Frequency (MHz)				1720	1745	1770
20	QPSK	1	0	23.53	23.59	23.57
20	QPSK	1	49	23.38	23.37	23.33
20	QPSK	1	99	23.31	23.30	23.33
20	QPSK	50	0	22.47	22.54	22.50
20	QPSK	50	24	22.28	22.30	22.43
20	QPSK	50	50	22.32	22.40	22.28
20	QPSK	100	0	22.30	22.30	22.22
20	16QAM	1	0	22.11	21.87	22.15
20	16QAM	1	49	22.16	21.90	21.96
20	16QAM	1	99	22.16	22.34	22.13
20	16QAM	50	0	22.28	22.25	22.22
20	16QAM	50	24	22.17	22.17	22.18
20	16QAM	50	50	22.14	22.06	22.02
20	16QAM	100	0	22.10	22.13	22.19
20	64QAM	1	0	21.43	21.20	21.53
20	64QAM	1	49	21.20	21.53	21.52
20	64QAM	1	99	21.43	21.55	21.63
20	64QAM	50	0	21.39	21.29	21.42
20	64QAM	50	24	21.33	21.27	21.39
20	64QAM	50	50	21.35	21.23	21.29
20	64QAM	100	0	21.34	21.34	21.32



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	23.51	23.55	23.53
15	QPSK	1	37	23.55	23.51	23.49
15	QPSK	1	74	23.49	23.45	23.43
15	QPSK	36	0	22.17	22.14	22.18
15	QPSK	36	20	22.17	22.09	22.19
15	QPSK	36	39	22.03	22.08	22.05
15	QPSK	75	0	22.12	22.16	22.09
15	16QAM	1	0	22.11	21.98	22.28
15	16QAM	1	37	21.98	22.28	22.21
15	16QAM	1	74	22.08	21.98	21.98
15	16QAM	36	0	22.29	22.29	22.20
15	16QAM	36	20	22.32	22.31	22.37
15	16QAM	36	39	22.24	22.39	22.33
15	16QAM	75	0	22.34	22.32	22.28
15	64QAM	1	0	21.65	21.55	21.65
15	64QAM	1	37	21.67	21.45	21.55
15	64QAM	1	74	21.32	21.58	21.65
15	64QAM	36	0	21.44	21.43	21.56
15	64QAM	36	20	21.54	21.50	21.51
15	64QAM	36	39	21.43	21.37	21.41
15	64QAM	75	0	21.45	21.47	21.44



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132022	132322	132622
Frequency (MHz)				1715	1745	1775
10	QPSK	1	0	23.54	23.54	23.55
10	QPSK	1	25	23.44	23.42	23.50
10	QPSK	1	49	23.58	23.46	23.36
10	QPSK	25	0	22.48	22.41	22.48
10	QPSK	25	12	22.45	22.64	22.42
10	QPSK	25	25	22.41	22.37	22.29
10	QPSK	50	0	22.49	22.34	22.53
10	16QAM	1	0	22.41	22.41	22.61
10	16QAM	1	25	22.41	22.50	22.62
10	16QAM	1	49	22.24	22.44	22.32
10	16QAM	25	0	22.25	22.42	22.30
10	16QAM	25	12	22.24	22.44	22.35
10	16QAM	25	25	22.15	22.20	22.20
10	16QAM	50	0	22.31	22.35	22.36
10	64QAM	1	0	21.48	21.48	21.15
10	64QAM	1	25	21.15	21.28	21.18
10	64QAM	1	49	21.15	21.15	21.15
10	64QAM	25	0	21.48	21.46	21.48
10	64QAM	25	12	21.47	21.51	21.55
10	64QAM	25	25	21.47	21.40	21.42
10	64QAM	50	0	21.37	21.47	21.48



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	23.43	23.46	23.51
5	QPSK	1	12	23.46	23.46	23.45
5	QPSK	1	24	23.54	23.44	23.50
5	QPSK	12	0	22.17	22.19	22.15
5	QPSK	12	7	22.19	22.27	22.20
5	QPSK	12	13	22.05	22.11	22.12
5	QPSK	25	0	22.15	22.16	22.15
5	16QAM	1	0	22.64	22.33	22.34
5	16QAM	1	12	22.27	22.56	22.51
5	16QAM	1	24	22.39	22.28	22.63
5	16QAM	12	0	22.28	22.39	22.35
5	16QAM	12	7	22.45	22.37	22.49
5	16QAM	12	13	22.36	22.30	22.37
5	16QAM	25	0	22.37	22.39	22.31
5	64QAM	1	0	21.15	21.55	21.35
5	64QAM	1	12	21.45	21.45	21.45
5	64QAM	1	24	21.28	21.32	21.28
5	64QAM	12	0	21.52	21.27	21.48
5	64QAM	12	7	21.60	21.19	21.50
5	64QAM	12	13	21.43	21.55	21.50
5	64QAM	25	0	21.50	21.58	21.45



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				131987	132322	132657
Frequency (MHz)				1711.5	1745	1778.5
3	QPSK	1	0	23.50	23.41	23.40
3	QPSK	1	8	23.37	23.38	23.46
3	QPSK	1	14	23.28	23.09	23.39
3	QPSK	8	0	22.43	22.40	22.44
3	QPSK	8	4	22.38	22.30	22.40
3	QPSK	8	7	22.24	22.29	22.26
3	QPSK	15	0	22.33	22.37	22.30
3	16QAM	1	0	22.02	22.43	22.19
3	16QAM	1	8	22.35	22.29	22.28
3	16QAM	1	14	22.39	22.28	21.98
3	16QAM	8	0	22.20	22.20	22.11
3	16QAM	8	4	22.23	22.22	22.28
3	16QAM	8	7	22.15	22.30	22.24
3	16QAM	15	0	22.25	22.23	22.19
3	64QAM	1	0	21.56	21.46	21.56
3	64QAM	1	8	21.58	21.36	21.46
3	64QAM	1	14	21.23	21.49	21.56
3	64QAM	8	0	21.35	21.34	21.47
3	64QAM	8	4	21.45	21.41	21.42
3	64QAM	8	7	21.34	21.28	21.32
3	64QAM	15	0	21.36	21.38	21.35



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	23.44	23.35	23.36
1.4	QPSK	1	3	23.50	23.52	23.52
1.4	QPSK	1	5	23.42	23.30	23.46
1.4	QPSK	3	0	23.41	23.34	23.41
1.4	QPSK	3	1	23.38	23.44	23.35
1.4	QPSK	3	3	23.39	23.35	23.27
1.4	QPSK	6	0	22.46	22.31	22.50
1.4	16QAM	1	0	22.33	22.33	22.53
1.4	16QAM	1	3	22.33	22.42	22.54
1.4	16QAM	1	5	22.16	22.36	22.24
1.4	16QAM	3	0	22.11	22.08	22.34
1.4	16QAM	3	1	22.20	22.10	22.22
1.4	16QAM	3	3	22.21	22.22	22.16
1.4	16QAM	6	0	22.10	22.01	22.02
1.4	64QAM	1	0	21.61	21.46	21.62
1.4	64QAM	1	3	21.34	21.43	21.43
1.4	64QAM	1	5	21.31	21.31	21.42
1.4	64QAM	3	0	21.40	21.38	21.40
1.4	64QAM	3	1	21.39	21.43	21.47
1.4	64QAM	3	3	21.39	21.32	21.34
1.4	64QAM	6	0	21.29	21.39	21.40



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	24.35	0.272	24.37	0.274	24.31	0.270
20	QPSK	1	49	24.19	0.262	24.34	0.272	24.24	0.265
20	QPSK	1	99	24.16	0.261	24.25	0.266	24.28	0.268
20	QPSK	50	0	23.30	0.214	23.39	0.218	23.44	0.221
20	QPSK	50	24	23.34	0.216	23.26	0.212	23.15	0.207
20	QPSK	50	50	23.23	0.210	23.29	0.213	23.17	0.207
20	QPSK	100	0	23.36	0.217	23.39	0.218	23.45	0.221
20	16QAM	1	0	23.41	0.219	23.38	0.218	23.43	0.220
20	16QAM	1	49	23.30	0.214	23.44	0.221	23.29	0.213
20	16QAM	1	99	23.29	0.213	23.31	0.214	23.36	0.217
20	16QAM	50	0	22.48	0.177	22.41	0.174	22.41	0.174
20	16QAM	50	24	22.45	0.176	22.48	0.177	22.32	0.171
20	16QAM	50	50	22.36	0.172	22.39	0.173	22.19	0.166
20	16QAM	100	0	22.41	0.174	22.33	0.171	22.62	0.183
20	64QAM	1	0	23.42	0.220	23.38	0.218	23.30	0.214
20	64QAM	1	49	23.30	0.214	23.21	0.209	23.33	0.215
20	64QAM	1	99	23.38	0.218	23.39	0.218	23.26	0.212
20	64QAM	50	0	22.42	0.175	22.61	0.182	22.35	0.172
20	64QAM	50	24	22.39	0.173	22.35	0.172	22.30	0.170
20	64QAM	50	50	22.28	0.169	22.40	0.174	22.24	0.167
20	64QAM	100	0	22.34	0.171	22.30	0.170	22.40	0.174



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	24.28	0.268	24.30	0.269	24.22	0.264
15	QPSK	1	37	24.10	0.257	24.25	0.266	24.17	0.261
15	QPSK	1	74	24.07	0.255	24.19	0.262	24.21	0.264
15	QPSK	36	0	23.21	0.209	23.33	0.215	23.37	0.217
15	QPSK	36	20	23.25	0.211	23.23	0.210	23.08	0.203
15	QPSK	36	39	23.14	0.206	23.26	0.212	23.10	0.204
15	QPSK	75	0	23.27	0.212	23.36	0.217	23.38	0.218
15	16QAM	1	0	23.32	0.215	23.35	0.216	23.36	0.217
15	16QAM	1	37	23.21	0.209	23.41	0.219	23.22	0.210
15	16QAM	1	74	23.20	0.209	23.28	0.213	23.29	0.213
15	16QAM	36	0	22.39	0.173	22.38	0.173	22.34	0.171
15	16QAM	36	20	22.36	0.172	22.45	0.176	22.25	0.168
15	16QAM	36	39	22.27	0.169	22.36	0.172	22.12	0.163
15	16QAM	75	0	22.42	0.175	22.50	0.178	22.55	0.180
15	64QAM	1	0	23.33	0.215	23.35	0.216	23.23	0.210
15	64QAM	1	37	23.21	0.209	23.18	0.208	23.26	0.212
15	64QAM	1	74	23.29	0.213	23.36	0.217	23.19	0.208
15	64QAM	36	0	22.33	0.171	22.58	0.181	22.28	0.169
15	64QAM	36	20	22.30	0.170	22.32	0.171	22.23	0.167
15	64QAM	36	39	22.19	0.166	22.37	0.173	22.17	0.165
15	64QAM	75	0	22.25	0.168	22.27	0.169	22.33	0.171



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	24.19	0.262	24.29	0.269	24.20	0.263
10	QPSK	1	25	24.15	0.260	24.26	0.267	24.13	0.259
10	QPSK	1	49	24.12	0.258	24.10	0.257	24.17	0.261
10	QPSK	25	0	23.26	0.212	23.31	0.214	23.33	0.215
10	QPSK	25	12	23.30	0.214	23.18	0.208	23.04	0.201
10	QPSK	25	25	23.19	0.208	23.21	0.209	23.06	0.202
10	QPSK	50	0	23.32	0.215	23.31	0.214	23.34	0.216
10	16QAM	1	0	23.37	0.217	23.30	0.214	23.32	0.215
10	16QAM	1	25	23.26	0.212	23.36	0.217	23.18	0.208
10	16QAM	1	49	23.25	0.211	23.23	0.210	23.25	0.211
10	16QAM	25	0	22.44	0.175	22.33	0.171	22.30	0.170
10	16QAM	25	12	22.41	0.174	22.40	0.174	22.21	0.166
10	16QAM	25	25	22.32	0.171	22.31	0.170	22.08	0.161
10	16QAM	50	0	22.47	0.177	22.45	0.176	22.51	0.178
10	64QAM	1	0	23.38	0.218	23.30	0.214	23.19	0.208
10	64QAM	1	25	23.26	0.212	23.13	0.206	23.22	0.210
10	64QAM	1	49	23.34	0.216	23.31	0.214	23.15	0.207
10	64QAM	25	0	22.38	0.173	22.53	0.179	22.24	0.167
10	64QAM	25	12	22.35	0.172	22.27	0.169	22.19	0.166
10	64QAM	25	25	22.24	0.167	22.32	0.171	22.13	0.163
10	64QAM	50	0	22.30	0.170	22.22	0.167	22.29	0.169



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	24.23	0.265	24.30	0.269	24.19	0.262
5	QPSK	1	12	24.07	0.255	24.28	0.268	24.12	0.258
5	QPSK	1	24	24.04	0.254	24.19	0.262	24.16	0.261
5	QPSK	12	0	23.18	0.208	23.33	0.215	23.32	0.215
5	QPSK	12	7	23.22	0.210	23.20	0.209	23.03	0.201
5	QPSK	12	13	23.11	0.205	23.23	0.210	23.05	0.202
5	QPSK	25	0	23.24	0.211	23.33	0.215	23.33	0.215
5	16QAM	1	0	23.29	0.213	23.32	0.215	23.31	0.214
5	16QAM	1	12	23.18	0.208	23.38	0.218	23.17	0.207
5	16QAM	1	24	23.17	0.207	23.25	0.211	23.24	0.211
5	16QAM	12	0	22.36	0.172	22.35	0.172	22.29	0.169
5	16QAM	12	7	22.33	0.171	22.42	0.175	22.20	0.166
5	16QAM	12	13	22.24	0.167	22.33	0.171	22.07	0.161
5	16QAM	25	0	22.39	0.173	22.47	0.177	22.50	0.178
5	64QAM	1	0	23.30	0.214	23.32	0.215	23.18	0.208
5	64QAM	1	12	23.18	0.208	23.15	0.207	23.21	0.209
5	64QAM	1	24	23.26	0.212	23.33	0.215	23.14	0.206
5	64QAM	12	0	22.30	0.170	22.55	0.180	22.23	0.167
5	64QAM	12	7	22.27	0.169	22.29	0.169	22.18	0.165
5	64QAM	12	13	22.16	0.164	22.34	0.171	22.12	0.163
5	64QAM	25	0	22.22	0.167	22.24	0.167	22.28	0.169



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	24.20	0.263	24.23	0.265	24.17	0.261
3	QPSK	1	8	24.14	0.259	24.20	0.263	24.10	0.257
3	QPSK	1	14	24.11	0.258	24.11	0.258	24.14	0.259
3	QPSK	8	0	23.25	0.211	23.25	0.211	23.30	0.214
3	QPSK	8	4	23.29	0.213	23.12	0.205	23.01	0.200
3	QPSK	8	7	23.18	0.208	23.15	0.207	23.03	0.201
3	QPSK	15	0	23.31	0.214	23.25	0.211	23.31	0.214
3	16QAM	1	0	23.36	0.217	23.24	0.211	23.29	0.213
3	16QAM	1	8	23.25	0.211	23.30	0.214	23.15	0.207
3	16QAM	1	14	23.24	0.211	23.17	0.207	23.22	0.210
3	16QAM	8	0	22.43	0.175	22.27	0.169	22.27	0.169
3	16QAM	8	4	22.40	0.174	22.34	0.171	22.18	0.165
3	16QAM	8	7	22.31	0.170	22.25	0.168	22.05	0.160
3	16QAM	15	0	22.46	0.176	22.39	0.173	22.48	0.177
3	64QAM	1	0	23.37	0.217	23.24	0.211	23.16	0.207
3	64QAM	1	8	23.25	0.211	23.07	0.203	23.19	0.208
3	64QAM	1	14	23.33	0.215	23.25	0.211	23.12	0.205
3	64QAM	8	0	22.37	0.173	22.47	0.177	22.21	0.166
3	64QAM	8	4	22.34	0.171	22.21	0.166	22.16	0.164
3	64QAM	8	7	22.23	0.167	22.26	0.168	22.10	0.162
3	64QAM	15	0	22.29	0.169	22.16	0.164	22.26	0.168



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	24.22	0.264	24.24	0.265	24.18	0.262
1.4	QPSK	1	3	24.06	0.255	24.21	0.264	24.11	0.258
1.4	QPSK	1	5	24.03	0.253	24.12	0.258	24.15	0.260
1.4	QPSK	3	0	23.17	0.207	23.26	0.212	23.31	0.214
1.4	QPSK	3	1	23.26	0.212	23.18	0.208	23.02	0.200
1.4	QPSK	3	3	23.15	0.207	23.21	0.209	23.04	0.201
1.4	QPSK	6	0	23.28	0.213	23.31	0.214	23.32	0.215
1.4	16QAM	1	0	23.33	0.215	23.30	0.214	23.30	0.214
1.4	16QAM	1	3	23.22	0.210	23.36	0.217	23.16	0.207
1.4	16QAM	1	5	23.16	0.207	23.18	0.208	23.28	0.213
1.4	16QAM	3	0	22.35	0.172	22.28	0.169	22.33	0.171
1.4	16QAM	3	1	22.32	0.171	22.35	0.172	22.24	0.167
1.4	16QAM	3	3	22.23	0.167	22.26	0.168	22.11	0.163
1.4	16QAM	6	0	22.43	0.175	22.40	0.174	22.49	0.177
1.4	64QAM	1	0	23.34	0.216	23.25	0.211	23.17	0.207
1.4	64QAM	1	3	23.22	0.210	23.08	0.203	23.20	0.209
1.4	64QAM	1	5	23.30	0.214	23.31	0.214	23.13	0.206
1.4	64QAM	3	0	22.34	0.171	22.53	0.179	22.32	0.171
1.4	64QAM	3	1	22.31	0.170	22.27	0.169	22.17	0.165
1.4	64QAM	3	3	22.20	0.166	22.32	0.171	22.11	0.163
1.4	64QAM	6	0	22.34	0.171	22.30	0.170	22.40	0.174



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	24.81	0.303	24.88	0.308	24.71	0.296
20	QPSK	1	49	24.84	0.305	24.84	0.305	24.59	0.288
20	QPSK	1	99	24.74	0.298	24.70	0.295	24.58	0.287
20	QPSK	50	0	23.86	0.243	23.82	0.241	23.83	0.242
20	QPSK	50	24	23.77	0.238	23.89	0.245	23.80	0.240
20	QPSK	50	50	23.84	0.242	23.75	0.237	23.71	0.235
20	QPSK	100	0	23.85	0.243	24.09	0.256	23.75	0.237
20	16QAM	1	0	23.88	0.244	23.84	0.242	23.84	0.242
20	16QAM	1	49	23.77	0.238	23.64	0.231	23.74	0.237
20	16QAM	1	99	23.78	0.239	23.57	0.228	23.67	0.233
20	16QAM	50	0	22.64	0.184	22.63	0.183	22.66	0.185
20	16QAM	50	24	22.86	0.193	22.59	0.182	22.63	0.183
20	16QAM	50	50	22.90	0.195	22.52	0.179	22.51	0.178
20	16QAM	100	0	22.59	0.182	22.53	0.179	22.51	0.178
20	64QAM	1	0	23.69	0.234	23.62	0.230	23.97	0.249
20	64QAM	1	49	23.62	0.230	23.63	0.231	23.81	0.240
20	64QAM	1	99	23.56	0.227	23.50	0.224	23.73	0.236
20	64QAM	50	0	22.77	0.189	22.65	0.184	22.63	0.183
20	64QAM	50	24	22.74	0.188	22.68	0.185	22.58	0.181
20	64QAM	50	50	22.66	0.185	22.58	0.181	22.67	0.185
20	64QAM	100	0	22.60	0.182	22.52	0.179	22.52	0.179



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	24.78	0.301	24.84	0.305	24.62	0.290
15	QPSK	1	37	24.75	0.299	24.81	0.303	24.55	0.285
15	QPSK	1	74	24.65	0.292	24.67	0.293	24.54	0.284
15	QPSK	36	0	23.77	0.238	23.79	0.239	23.79	0.239
15	QPSK	36	20	23.68	0.233	23.86	0.243	23.76	0.238
15	QPSK	36	39	23.75	0.237	23.72	0.236	23.67	0.233
15	QPSK	75	0	23.76	0.238	24.06	0.255	23.71	0.235
15	16QAM	1	0	23.79	0.239	23.81	0.240	23.80	0.240
15	16QAM	1	37	23.68	0.233	23.61	0.230	23.70	0.234
15	16QAM	1	74	23.69	0.234	23.54	0.226	23.63	0.231
15	16QAM	36	0	22.55	0.180	22.60	0.182	22.62	0.183
15	16QAM	36	20	22.77	0.189	22.56	0.180	22.59	0.182
15	16QAM	36	39	22.81	0.191	22.49	0.177	22.47	0.177
15	16QAM	75	0	22.50	0.178	22.50	0.178	22.47	0.177
15	64QAM	1	0	23.60	0.229	23.59	0.229	23.93	0.247
15	64QAM	1	37	23.53	0.225	23.60	0.229	23.77	0.238
15	64QAM	1	74	23.47	0.222	23.47	0.222	23.69	0.234
15	64QAM	36	0	22.68	0.185	22.62	0.183	22.59	0.182
15	64QAM	36	20	22.65	0.184	22.65	0.184	22.54	0.179
15	64QAM	36	39	22.57	0.181	22.55	0.180	22.63	0.183
15	64QAM	75	0	22.51	0.178	22.49	0.177	22.48	0.177



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	24.75	0.299	24.83	0.304	24.60	0.288
10	QPSK	1	25	24.79	0.301	24.78	0.301	24.48	0.281
10	QPSK	1	49	24.69	0.294	24.64	0.291	24.47	0.280
10	QPSK	25	0	23.81	0.240	23.76	0.238	23.72	0.236
10	QPSK	25	12	23.72	0.236	23.83	0.242	23.69	0.234
10	QPSK	25	25	23.79	0.239	23.69	0.234	23.60	0.229
10	QPSK	50	0	23.80	0.240	24.03	0.253	23.64	0.231
10	16QAM	1	0	23.83	0.242	23.78	0.239	23.73	0.236
10	16QAM	1	25	23.72	0.236	23.58	0.228	23.63	0.231
10	16QAM	1	49	23.73	0.236	23.51	0.224	23.56	0.227
10	16QAM	25	0	22.59	0.182	22.57	0.181	22.55	0.180
10	16QAM	25	12	22.81	0.191	22.53	0.179	22.52	0.179
10	16QAM	25	25	22.85	0.193	22.46	0.176	22.40	0.174
10	16QAM	50	0	22.54	0.179	22.47	0.177	22.40	0.174
10	64QAM	1	0	23.64	0.231	23.56	0.227	23.86	0.243
10	64QAM	1	25	23.57	0.228	23.57	0.228	23.70	0.234
10	64QAM	1	49	23.51	0.224	23.44	0.221	23.62	0.230
10	64QAM	25	0	22.72	0.187	22.59	0.182	22.52	0.179
10	64QAM	25	12	22.69	0.186	22.62	0.183	22.47	0.177
10	64QAM	25	25	22.61	0.182	22.52	0.179	22.56	0.180
10	64QAM	50	0	22.55	0.180	22.46	0.176	22.41	0.174



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	24.68	0.294	24.88	0.308	24.58	0.287
5	QPSK	1	12	24.71	0.296	24.77	0.300	24.46	0.279
5	QPSK	1	24	24.61	0.289	24.63	0.290	24.45	0.279
5	QPSK	12	0	23.73	0.236	23.75	0.237	23.70	0.234
5	QPSK	12	7	23.64	0.231	23.82	0.241	23.67	0.233
5	QPSK	12	13	23.71	0.235	23.68	0.233	23.58	0.228
5	QPSK	25	0	23.72	0.236	24.02	0.252	23.62	0.230
5	16QAM	1	0	23.75	0.237	23.77	0.238	23.71	0.235
5	16QAM	1	12	23.64	0.231	23.57	0.228	23.61	0.230
5	16QAM	1	24	23.65	0.232	23.50	0.224	23.54	0.226
5	16QAM	12	0	22.51	0.178	22.56	0.180	22.53	0.179
5	16QAM	12	7	22.73	0.187	22.52	0.179	22.50	0.178
5	16QAM	12	13	22.77	0.189	22.45	0.176	22.38	0.173
5	16QAM	25	0	22.46	0.176	22.46	0.176	22.38	0.173
5	64QAM	1	0	23.56	0.227	23.55	0.226	23.84	0.242
5	64QAM	1	12	23.49	0.223	23.56	0.227	23.68	0.233
5	64QAM	1	24	23.43	0.220	23.43	0.220	23.60	0.229
5	64QAM	12	0	22.70	0.186	22.51	0.178	22.56	0.180
5	64QAM	12	7	22.67	0.185	22.54	0.179	22.51	0.178
5	64QAM	12	13	22.59	0.182	22.44	0.175	22.60	0.182
5	64QAM	25	0	22.53	0.179	22.38	0.173	22.45	0.176



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	24.73	0.297	24.80	0.302	24.63	0.290
3	QPSK	1	8	24.76	0.299	24.76	0.299	24.51	0.282
3	QPSK	1	14	24.66	0.292	24.62	0.290	24.50	0.282
3	QPSK	8	0	23.78	0.239	23.74	0.237	23.75	0.237
3	QPSK	8	4	23.69	0.234	23.81	0.240	23.72	0.236
3	QPSK	8	7	23.76	0.238	23.67	0.233	23.63	0.231
3	QPSK	15	0	23.77	0.238	24.01	0.252	23.67	0.233
3	16QAM	1	0	23.76	0.238	23.72	0.236	23.72	0.236
3	16QAM	1	8	23.65	0.232	23.52	0.225	23.62	0.230
3	16QAM	1	14	23.66	0.232	23.45	0.221	23.55	0.226
3	16QAM	8	0	22.52	0.179	22.51	0.178	22.54	0.179
3	16QAM	8	4	22.74	0.188	22.47	0.177	22.51	0.178
3	16QAM	8	7	22.78	0.190	22.40	0.174	22.39	0.173
3	16QAM	15	0	22.47	0.177	22.41	0.174	22.39	0.173
3	64QAM	1	0	23.57	0.228	23.50	0.224	23.85	0.243
3	64QAM	1	8	23.50	0.224	23.51	0.224	23.69	0.234
3	64QAM	1	14	23.44	0.221	23.58	0.228	23.61	0.230
3	64QAM	8	0	22.65	0.184	22.53	0.179	22.51	0.178
3	64QAM	8	4	22.62	0.183	22.56	0.180	22.46	0.176
3	64QAM	8	7	22.54	0.179	22.46	0.176	22.55	0.180
3	64QAM	15	0	22.48	0.177	22.40	0.174	22.40	0.174



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	24.66	0.292	24.73	0.297	24.56	0.286
1.4	QPSK	1	3	24.69	0.294	24.69	0.294	24.47	0.280
1.4	QPSK	1	5	24.62	0.290	24.58	0.287	24.46	0.279
1.4	QPSK	3	0	23.74	0.237	23.70	0.234	23.71	0.235
1.4	QPSK	3	1	23.65	0.232	23.77	0.238	23.65	0.232
1.4	QPSK	3	3	23.69	0.234	23.60	0.229	23.56	0.227
1.4	QPSK	6	0	23.70	0.234	23.94	0.248	23.60	0.229
1.4	16QAM	1	0	23.73	0.236	23.69	0.234	23.69	0.234
1.4	16QAM	1	3	23.62	0.230	23.49	0.223	23.59	0.229
1.4	16QAM	1	5	23.63	0.231	23.42	0.220	23.52	0.225
1.4	16QAM	3	0	22.49	0.177	22.48	0.177	22.51	0.178
1.4	16QAM	3	1	22.74	0.188	22.47	0.177	22.48	0.177
1.4	16QAM	3	3	22.78	0.190	22.40	0.174	22.36	0.172
1.4	16QAM	6	0	22.47	0.177	22.41	0.174	22.36	0.172
1.4	64QAM	1	0	23.54	0.226	23.47	0.222	23.82	0.241
1.4	64QAM	1	3	23.47	0.222	23.48	0.223	23.66	0.232
1.4	64QAM	1	5	23.41	0.219	23.35	0.216	23.58	0.228
1.4	64QAM	3	0	22.62	0.183	22.53	0.179	22.51	0.178
1.4	64QAM	3	1	22.59	0.182	22.56	0.180	22.46	0.176
1.4	64QAM	3	3	22.51	0.178	22.46	0.176	22.55	0.180
1.4	64QAM	6	0	22.45	0.176	22.51	0.178	22.53	0.179



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20450		20525		20600	
Frequency (MHz)				829		836.5		844	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	20.19	0.104	20.38	0.109	20.22	0.105
10	QPSK	1	25	20.28	0.107	20.36	0.109	20.31	0.107
10	QPSK	1	49	20.23	0.105	20.27	0.106	20.34	0.108
10	QPSK	25	0	18.99	0.079	19.12	0.082	18.98	0.079
10	QPSK	25	12	18.90	0.078	19.05	0.080	18.93	0.078
10	QPSK	25	25	19.03	0.080	19.13	0.082	19.02	0.080
10	QPSK	50	0	19.04	0.080	19.05	0.080	18.99	0.079
10	16QAM	1	0	19.46	0.088	19.61	0.091	19.52	0.090
10	16QAM	1	25	19.64	0.092	19.63	0.092	19.58	0.091
10	16QAM	1	49	19.60	0.091	19.56	0.090	19.54	0.090
10	16QAM	25	0	18.38	0.069	18.42	0.070	18.36	0.069
10	16QAM	25	12	18.32	0.068	18.39	0.069	18.35	0.068
10	16QAM	25	25	18.35	0.068	18.36	0.069	18.37	0.069
10	16QAM	50	0	18.41	0.069	18.39	0.069	18.38	0.069
10	64QAM	1	0	19.25	0.084	19.30	0.085	19.26	0.084
10	64QAM	1	25	19.31	0.085	19.31	0.085	19.28	0.085
10	64QAM	1	49	19.27	0.085	19.26	0.084	19.31	0.085
10	64QAM	25	0	18.22	0.066	18.29	0.067	18.16	0.065
10	64QAM	25	12	18.17	0.066	18.24	0.067	18.21	0.066
10	64QAM	25	25	18.10	0.065	18.16	0.065	18.17	0.066
10	64QAM	50	0	18.02	0.063	18.10	0.065	18.11	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	20.13	0.103	20.35	0.108	20.18	0.104
5	QPSK	1	12	20.22	0.105	20.33	0.108	20.27	0.106
5	QPSK	1	24	20.17	0.104	20.24	0.106	20.30	0.107
5	QPSK	12	0	18.93	0.078	19.09	0.081	18.94	0.078
5	QPSK	12	7	18.84	0.077	19.02	0.080	18.89	0.077
5	QPSK	12	13	18.97	0.079	19.10	0.081	18.98	0.079
5	QPSK	25	0	18.98	0.079	19.02	0.080	18.95	0.079
5	16QAM	1	0	19.40	0.087	19.58	0.091	19.48	0.089
5	16QAM	1	12	19.58	0.091	19.60	0.091	19.54	0.090
5	16QAM	1	24	19.54	0.090	19.53	0.090	19.50	0.089
5	16QAM	12	0	18.32	0.068	18.39	0.069	18.32	0.068
5	16QAM	12	7	18.26	0.067	18.36	0.069	18.31	0.068
5	16QAM	12	13	18.29	0.067	18.33	0.068	18.33	0.068
5	16QAM	25	0	18.35	0.068	18.36	0.069	18.34	0.068
5	64QAM	1	0	19.19	0.083	19.27	0.085	19.22	0.084
5	64QAM	1	12	19.25	0.084	19.28	0.085	19.24	0.084
5	64QAM	1	24	19.21	0.083	19.23	0.084	19.27	0.085
5	64QAM	12	0	18.16	0.065	18.26	0.067	18.12	0.065
5	64QAM	12	7	18.11	0.065	18.21	0.066	18.17	0.066
5	64QAM	12	13	18.04	0.064	18.13	0.065	18.13	0.065
5	64QAM	25	0	17.96	0.063	18.07	0.064	18.07	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	20.15	0.104	20.35	0.108	20.17	0.104
3	QPSK	1	8	20.24	0.106	20.33	0.108	20.26	0.106
3	QPSK	1	14	20.19	0.104	20.24	0.106	20.29	0.107
3	QPSK	8	0	18.95	0.079	19.09	0.081	18.93	0.078
3	QPSK	8	4	18.86	0.077	19.02	0.080	18.88	0.077
3	QPSK	8	7	18.99	0.079	19.10	0.081	18.97	0.079
3	QPSK	15	0	19.00	0.079	19.02	0.080	18.94	0.078
3	16QAM	1	0	19.42	0.087	19.58	0.091	19.47	0.089
3	16QAM	1	8	19.60	0.091	19.60	0.091	19.53	0.090
3	16QAM	1	14	19.56	0.090	19.53	0.090	19.49	0.089
3	16QAM	8	0	18.34	0.068	18.39	0.069	18.31	0.068
3	16QAM	8	4	18.28	0.067	18.36	0.069	18.30	0.068
3	16QAM	8	7	18.31	0.068	18.33	0.068	18.32	0.068
3	16QAM	15	0	18.37	0.069	18.36	0.069	18.33	0.068
3	64QAM	1	0	19.21	0.083	19.27	0.085	19.21	0.083
3	64QAM	1	8	19.27	0.085	19.28	0.085	19.23	0.084
3	64QAM	1	14	19.23	0.084	19.23	0.084	19.26	0.084
3	64QAM	8	0	18.18	0.066	18.26	0.067	18.11	0.065
3	64QAM	8	4	18.13	0.065	18.21	0.066	18.16	0.065
3	64QAM	8	7	18.06	0.064	18.13	0.065	18.12	0.065
3	64QAM	15	0	17.98	0.063	18.07	0.064	18.06	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				20407		20525		20643	
Frequency (MHz)				824.7		836.5		848.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	19.94	0.099	20.13	0.103	19.97	0.099
1.4	QPSK	1	3	20.03	0.101	20.11	0.103	20.06	0.101
1.4	QPSK	1	5	19.98	0.100	20.02	0.100	20.09	0.102
1.4	QPSK	3	0	19.74	0.094	19.87	0.097	19.73	0.094
1.4	QPSK	3	1	19.65	0.092	19.80	0.095	19.68	0.093
1.4	QPSK	3	3	19.78	0.095	19.88	0.097	19.77	0.095
1.4	QPSK	6	0	18.79	0.076	18.80	0.076	18.74	0.075
1.4	16QAM	1	0	19.21	0.083	19.36	0.086	19.27	0.085
1.4	16QAM	1	3	19.39	0.087	19.38	0.087	19.33	0.086
1.4	16QAM	1	5	19.35	0.086	19.31	0.085	19.29	0.085
1.4	16QAM	3	0	19.13	0.082	19.17	0.083	19.11	0.081
1.4	16QAM	3	1	19.07	0.081	19.14	0.082	19.10	0.081
1.4	16QAM	3	3	19.10	0.081	19.11	0.081	19.12	0.082
1.4	16QAM	6	0	18.16	0.065	18.14	0.065	18.13	0.065
1.4	64QAM	1	0	19.00	0.079	19.05	0.080	19.01	0.080
1.4	64QAM	1	3	19.06	0.081	19.06	0.081	19.03	0.080
1.4	64QAM	1	5	19.02	0.080	19.01	0.080	19.06	0.081
1.4	64QAM	3	0	17.97	0.063	18.04	0.064	17.91	0.062
1.4	64QAM	3	1	17.92	0.062	17.99	0.063	17.96	0.063
1.4	64QAM	3	3	17.85	0.061	17.91	0.062	17.92	0.062
1.4	64QAM	6	0	17.77	0.060	17.85	0.061	17.86	0.061



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	20.63	0.116	20.69	0.117	20.68	0.117
20	QPSK	1	49	20.47	0.111	20.53	0.113	20.43	0.110
20	QPSK	1	99	20.56	0.114	20.52	0.113	20.51	0.112
20	QPSK	50	0	19.59	0.091	19.65	0.092	19.68	0.093
20	QPSK	50	24	19.52	0.090	19.64	0.092	19.62	0.092
20	QPSK	50	50	19.45	0.088	19.63	0.092	19.71	0.094
20	QPSK	100	0	19.60	0.091	19.74	0.094	19.68	0.093
20	16QAM	1	0	19.83	0.096	19.46	0.088	19.81	0.096
20	16QAM	1	49	19.53	0.090	19.45	0.088	19.67	0.093
20	16QAM	1	99	19.59	0.091	19.69	0.093	19.61	0.091
20	16QAM	50	0	19.61	0.091	19.76	0.095	19.86	0.097
20	16QAM	50	24	19.62	0.092	19.73	0.094	19.65	0.092
20	16QAM	50	50	19.65	0.092	19.82	0.096	19.67	0.093
20	16QAM	100	0	19.65	0.092	19.86	0.097	19.90	0.098
20	64QAM	1	0	19.36	0.086	19.69	0.093	19.77	0.095
20	64QAM	1	49	19.49	0.089	19.81	0.096	19.42	0.087
20	64QAM	1	99	19.43	0.088	19.60	0.091	19.48	0.089
20	64QAM	50	0	19.70	0.093	19.84	0.096	19.92	0.098
20	64QAM	50	24	19.66	0.092	19.87	0.097	19.84	0.096
20	64QAM	50	50	19.58	0.091	19.81	0.096	19.72	0.094
20	64QAM	100	0	19.69	0.093	19.83	0.096	19.89	0.097



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	20.27	0.106	20.65	0.116	20.65	0.116
15	QPSK	1	37	20.39	0.109	20.50	0.112	20.39	0.109
15	QPSK	1	74	20.48	0.112	20.49	0.112	20.47	0.111
15	QPSK	36	0	19.31	0.085	19.62	0.092	19.71	0.094
15	QPSK	36	20	19.44	0.088	19.61	0.091	19.58	0.091
15	QPSK	36	39	19.37	0.086	19.60	0.091	19.67	0.093
15	QPSK	75	0	19.42	0.087	19.57	0.091	19.69	0.093
15	16QAM	1	0	19.75	0.094	19.43	0.088	19.77	0.095
15	16QAM	1	37	19.45	0.088	19.42	0.087	19.63	0.092
15	16QAM	1	74	19.51	0.089	19.66	0.092	19.57	0.091
15	16QAM	36	0	19.53	0.090	19.73	0.094	19.82	0.096
15	16QAM	36	20	19.54	0.090	19.70	0.093	19.61	0.091
15	16QAM	36	39	19.57	0.091	19.79	0.095	19.63	0.092
15	16QAM	75	0	19.57	0.091	19.83	0.096	19.86	0.097
15	64QAM	1	0	19.28	0.085	19.66	0.092	19.73	0.094
15	64QAM	1	37	19.41	0.087	19.78	0.095	19.38	0.087
15	64QAM	1	74	19.35	0.086	19.57	0.091	19.44	0.088
15	64QAM	36	0	19.62	0.092	19.81	0.096	19.88	0.097
15	64QAM	36	20	19.58	0.091	19.84	0.096	19.80	0.095
15	64QAM	36	39	19.50	0.089	19.65	0.092	19.68	0.093
15	64QAM	75	0	19.61	0.091	19.80	0.095	19.85	0.097



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	20.24	0.106	20.64	0.116	20.61	0.115
10	QPSK	1	25	20.36	0.109	20.48	0.112	20.36	0.109
10	QPSK	1	49	20.45	0.111	20.47	0.111	20.44	0.111
10	QPSK	25	0	19.28	0.085	19.60	0.091	19.68	0.093
10	QPSK	25	12	19.41	0.087	19.59	0.091	19.55	0.090
10	QPSK	25	25	19.34	0.086	19.58	0.091	19.64	0.092
10	QPSK	50	0	19.39	0.087	19.55	0.090	19.66	0.092
10	16QAM	1	0	19.72	0.094	19.41	0.087	19.74	0.094
10	16QAM	1	25	19.42	0.087	19.40	0.087	19.60	0.091
10	16QAM	1	49	19.48	0.089	19.64	0.092	19.54	0.090
10	16QAM	25	0	19.50	0.089	19.71	0.094	19.79	0.095
10	16QAM	25	12	19.51	0.089	19.68	0.093	19.58	0.091
10	16QAM	25	25	19.54	0.090	19.77	0.095	19.60	0.091
10	16QAM	50	0	19.54	0.090	19.81	0.096	19.83	0.096
10	64QAM	1	0	19.48	0.089	19.64	0.092	19.70	0.093
10	64QAM	1	25	19.38	0.087	19.76	0.095	19.35	0.086
10	64QAM	1	49	19.57	0.091	19.57	0.091	19.61	0.091
10	64QAM	25	0	19.59	0.091	19.79	0.095	19.85	0.097
10	64QAM	25	12	19.55	0.090	19.82	0.096	19.77	0.095
10	64QAM	25	25	19.47	0.089	19.76	0.095	19.65	0.092
10	64QAM	50	0	19.69	0.093	19.78	0.095	19.82	0.096



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20775		21100		21425	
Frequency (MHz)				2502.5		2535		2567.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	20.29	0.107	20.59	0.115	20.56	0.114
5	QPSK	1	12	20.41	0.110	20.41	0.110	20.34	0.108
5	QPSK	1	24	20.50	0.112	20.40	0.110	20.42	0.110
5	QPSK	12	0	19.33	0.086	19.53	0.090	19.66	0.092
5	QPSK	12	7	19.46	0.088	19.52	0.090	19.53	0.090
5	QPSK	12	13	19.39	0.087	19.51	0.089	19.62	0.092
5	QPSK	25	0	19.44	0.088	19.48	0.089	19.64	0.092
5	16QAM	1	0	19.77	0.095	19.34	0.086	19.72	0.094
5	16QAM	1	12	19.47	0.089	19.33	0.086	19.58	0.091
5	16QAM	1	24	19.53	0.090	19.57	0.091	19.52	0.090
5	16QAM	12	0	19.55	0.090	19.64	0.092	19.77	0.095
5	16QAM	12	7	19.56	0.090	19.61	0.091	19.56	0.090
5	16QAM	12	13	19.59	0.091	19.70	0.093	19.58	0.091
5	16QAM	25	0	19.59	0.091	19.74	0.094	19.81	0.096
5	64QAM	1	0	19.30	0.085	19.57	0.091	19.68	0.093
5	64QAM	1	12	19.43	0.088	19.69	0.093	19.33	0.086
5	64QAM	1	24	19.37	0.086	19.48	0.089	19.39	0.087
5	64QAM	12	0	19.64	0.092	19.72	0.094	19.83	0.096
5	64QAM	12	7	19.60	0.091	19.75	0.094	19.75	0.094
5	64QAM	12	13	19.52	0.090	19.69	0.093	19.63	0.092
5	64QAM	25	0	19.69	0.093	19.71	0.094	19.80	0.095



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	19.83	0.096	20.09	0.102	20.02	0.100
10	QPSK	1	25	19.82	0.096	20.02	0.100	20.00	0.100
10	QPSK	1	49	19.79	0.095	19.96	0.099	19.94	0.099
10	QPSK	25	0	18.91	0.078	18.90	0.078	18.92	0.078
10	QPSK	25	12	18.87	0.077	18.88	0.077	18.89	0.077
10	QPSK	25	25	18.85	0.077	18.84	0.077	18.85	0.077
10	QPSK	50	0	18.92	0.078	19.01	0.080	18.95	0.079
10	16QAM	1	0	19.25	0.084	19.31	0.085	19.27	0.085
10	16QAM	1	25	19.16	0.082	19.23	0.084	19.19	0.083
10	16QAM	1	49	19.10	0.081	19.17	0.083	19.12	0.082
10	16QAM	25	0	17.92	0.062	17.99	0.063	17.93	0.062
10	16QAM	25	12	17.89	0.062	17.96	0.063	17.91	0.062
10	16QAM	25	25	17.87	0.061	17.92	0.062	17.88	0.061
10	16QAM	50	0	17.95	0.062	18.04	0.064	17.97	0.063
10	64QAM	1	0	18.88	0.077	18.95	0.079	18.90	0.078
10	64QAM	1	25	18.84	0.077	18.90	0.078	18.87	0.077
10	64QAM	1	49	18.86	0.077	18.92	0.078	18.91	0.078
10	64QAM	25	0	17.86	0.061	17.87	0.061	17.85	0.061
10	64QAM	25	12	17.97	0.063	17.99	0.063	17.96	0.063
10	64QAM	25	25	17.93	0.062	18.00	0.063	17.95	0.062
10	64QAM	50	0	17.94	0.062	17.91	0.062	17.93	0.062



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	19.74	0.094	19.86	0.097	19.82	0.096
5	QPSK	1	12	19.73	0.094	19.79	0.095	19.80	0.095
5	QPSK	1	24	19.70	0.093	19.73	0.094	19.74	0.094
5	QPSK	12	0	18.82	0.076	18.67	0.074	18.72	0.074
5	QPSK	12	7	18.78	0.076	18.65	0.073	18.69	0.074
5	QPSK	12	13	18.76	0.075	18.61	0.073	18.65	0.073
5	QPSK	25	0	18.83	0.076	18.78	0.076	18.75	0.075
5	16QAM	1	0	19.16	0.082	19.08	0.081	19.07	0.081
5	16QAM	1	12	19.07	0.081	19.00	0.079	18.99	0.079
5	16QAM	1	24	19.01	0.080	18.94	0.078	18.92	0.078
5	16QAM	12	0	17.83	0.061	17.76	0.060	17.73	0.059
5	16QAM	12	7	17.80	0.060	17.73	0.059	17.71	0.059
5	16QAM	12	13	17.78	0.060	17.69	0.059	17.68	0.059
5	16QAM	25	0	17.86	0.061	17.81	0.060	17.77	0.060
5	64QAM	1	0	18.79	0.076	18.72	0.074	18.70	0.074
5	64QAM	1	12	18.75	0.075	18.67	0.074	18.67	0.074
5	64QAM	1	24	18.77	0.075	18.69	0.074	18.71	0.074
5	64QAM	12	0	17.77	0.060	17.64	0.058	17.65	0.058
5	64QAM	12	7	17.88	0.061	17.76	0.060	17.76	0.060
5	64QAM	12	13	17.84	0.061	17.77	0.060	17.75	0.060
5	64QAM	25	0	17.85	0.061	17.68	0.059	17.73	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	19.61	0.091	19.84	0.096	19.77	0.095
3	QPSK	1	8	19.60	0.091	19.77	0.095	19.75	0.094
3	QPSK	1	14	19.57	0.091	19.71	0.094	19.69	0.093
3	QPSK	8	0	18.69	0.074	18.65	0.073	18.67	0.074
3	QPSK	8	4	18.65	0.073	18.63	0.073	18.64	0.073
3	QPSK	8	7	18.63	0.073	18.59	0.072	18.60	0.072
3	QPSK	15	0	18.70	0.074	18.76	0.075	18.70	0.074
3	16QAM	1	0	19.03	0.080	19.06	0.081	19.02	0.080
3	16QAM	1	8	18.94	0.078	18.98	0.079	18.94	0.078
3	16QAM	1	14	18.88	0.077	18.92	0.078	18.87	0.077
3	16QAM	8	0	17.70	0.059	17.74	0.059	17.68	0.059
3	16QAM	8	4	17.67	0.058	17.71	0.059	17.66	0.058
3	16QAM	8	7	17.65	0.058	17.67	0.058	17.63	0.058
3	16QAM	15	0	17.73	0.059	17.79	0.060	17.72	0.059
3	64QAM	1	0	18.66	0.073	18.70	0.074	18.65	0.073
3	64QAM	1	8	18.62	0.073	18.65	0.073	18.62	0.073
3	64QAM	1	14	18.64	0.073	18.67	0.074	18.66	0.073
3	64QAM	8	0	17.64	0.058	17.62	0.058	17.60	0.058
3	64QAM	8	4	17.75	0.060	17.74	0.059	17.71	0.059
3	64QAM	8	7	17.71	0.059	17.75	0.060	17.70	0.059
3	64QAM	15	0	17.72	0.059	17.66	0.058	17.68	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				23017		23095		23173	
Frequency (MHz)				699.7		707.5		715.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	19.60	0.091	19.85	0.097	19.77	0.095
1.4	QPSK	1	3	19.59	0.091	19.78	0.095	19.75	0.094
1.4	QPSK	1	5	19.56	0.090	19.72	0.094	19.69	0.093
1.4	QPSK	3	0	18.68	0.074	18.66	0.073	18.67	0.074
1.4	QPSK	3	1	18.64	0.073	18.64	0.073	18.64	0.073
1.4	QPSK	3	3	18.62	0.073	18.60	0.072	18.60	0.072
1.4	QPSK	6	0	18.69	0.074	18.77	0.075	18.70	0.074
1.4	16QAM	1	0	19.02	0.080	19.07	0.081	19.02	0.080
1.4	16QAM	1	3	18.93	0.078	18.99	0.079	18.94	0.078
1.4	16QAM	1	5	18.87	0.077	18.93	0.078	18.87	0.077
1.4	16QAM	3	0	17.69	0.059	17.75	0.060	17.68	0.059
1.4	16QAM	3	1	17.66	0.058	17.72	0.059	17.66	0.058
1.4	16QAM	3	3	17.64	0.058	17.68	0.059	17.63	0.058
1.4	16QAM	6	0	17.72	0.059	17.80	0.060	17.72	0.059
1.4	64QAM	1	0	18.65	0.073	18.71	0.074	18.65	0.073
1.4	64QAM	1	3	18.61	0.073	18.66	0.073	18.62	0.073
1.4	64QAM	1	5	18.63	0.073	18.68	0.074	18.66	0.073
1.4	64QAM	3	0	17.63	0.058	17.63	0.058	17.60	0.058
1.4	64QAM	3	1	17.74	0.059	17.75	0.060	17.71	0.059
1.4	64QAM	3	3	17.70	0.059	17.76	0.060	17.70	0.059
1.4	64QAM	6	0	17.71	0.059	17.67	0.058	17.68	0.059



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	19.93	0.098	19.97	0.099	19.92	0.098
10	QPSK	1	25	19.93	0.098	19.95	0.099	19.91	0.098
10	QPSK	1	49	19.87	0.097	19.90	0.098	19.86	0.097
10	QPSK	25	0	18.63	0.073	18.75	0.075	18.80	0.076
10	QPSK	25	12	18.79	0.076	18.80	0.076	18.84	0.077
10	QPSK	25	25	18.84	0.077	18.82	0.076	18.85	0.077
10	QPSK	50	0	18.75	0.075	18.77	0.075	18.79	0.076
10	16QAM	1	0	19.11	0.081	19.14	0.082	19.12	0.082
10	16QAM	1	25	19.13	0.082	19.15	0.082	19.14	0.082
10	16QAM	1	49	19.01	0.080	19.04	0.080	19.06	0.081
10	16QAM	25	0	17.87	0.061	17.93	0.062	17.86	0.061
10	16QAM	25	12	17.96	0.063	17.97	0.063	17.93	0.062
10	16QAM	25	25	17.94	0.062	17.96	0.063	17.92	0.062
10	16QAM	50	0	17.84	0.061	17.77	0.060	17.82	0.061
10	64QAM	1	0	18.72	0.074	18.78	0.076	18.71	0.074
10	64QAM	1	25	18.80	0.076	18.79	0.076	18.77	0.075
10	64QAM	1	49	18.62	0.073	18.66	0.073	18.69	0.074
10	64QAM	25	0	17.88	0.061	17.99	0.063	17.93	0.062
10	64QAM	25	12	17.89	0.062	17.97	0.063	17.92	0.062
10	64QAM	25	25	17.81	0.060	17.94	0.062	17.90	0.062
10	64QAM	50	0	17.76	0.060	17.72	0.059	17.73	0.059



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	19.91	0.098	19.77	0.095	19.74	0.094
5	QPSK	1	12	19.91	0.098	19.75	0.094	19.73	0.094
5	QPSK	1	24	19.85	0.097	19.70	0.093	19.68	0.093
5	QPSK	12	0	18.79	0.076	18.73	0.075	18.80	0.076
5	QPSK	12	7	18.77	0.075	18.78	0.076	18.84	0.077
5	QPSK	12	13	18.82	0.076	18.80	0.076	18.85	0.077
5	QPSK	25	0	18.73	0.075	18.75	0.075	18.79	0.076
5	16QAM	1	0	19.09	0.081	19.12	0.082	19.12	0.082
5	16QAM	1	12	19.11	0.081	19.13	0.082	19.14	0.082
5	16QAM	1	24	18.99	0.079	19.02	0.080	19.06	0.081
5	16QAM	12	0	17.85	0.061	17.91	0.062	17.86	0.061
5	16QAM	12	7	17.94	0.062	17.95	0.062	17.93	0.062
5	16QAM	12	13	17.92	0.062	17.94	0.062	17.92	0.062
5	16QAM	25	0	17.82	0.061	17.75	0.060	17.82	0.061
5	64QAM	1	0	18.70	0.074	18.76	0.075	18.71	0.074
5	64QAM	1	12	18.78	0.076	18.77	0.075	18.77	0.075
5	64QAM	1	24	18.60	0.072	18.64	0.073	18.69	0.074
5	64QAM	12	0	17.86	0.061	17.97	0.063	17.93	0.062
5	64QAM	12	7	17.87	0.061	17.95	0.062	17.92	0.062
5	64QAM	12	13	17.79	0.060	17.92	0.062	17.90	0.062
5	64QAM	25	0	17.74	0.059	17.70	0.059	17.73	0.059



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	24.37	0.274	24.43	0.277	24.41	0.276
20	QPSK	1	49	24.22	0.264	24.21	0.264	24.17	0.261
20	QPSK	1	99	24.15	0.260	24.14	0.259	24.17	0.261
20	QPSK	50	0	23.31	0.214	23.38	0.218	23.34	0.216
20	QPSK	50	24	23.12	0.205	23.14	0.206	23.27	0.212
20	QPSK	50	50	23.16	0.207	23.24	0.211	23.12	0.205
20	QPSK	100	0	23.14	0.206	23.14	0.206	23.06	0.202
20	16QAM	1	0	22.95	0.197	22.71	0.187	22.99	0.199
20	16QAM	1	49	23.00	0.200	22.74	0.188	22.80	0.191
20	16QAM	1	99	23.00	0.200	23.18	0.208	22.97	0.198
20	16QAM	50	0	23.12	0.205	23.09	0.204	23.06	0.202
20	16QAM	50	24	23.01	0.200	23.01	0.200	23.02	0.200
20	16QAM	50	50	22.98	0.199	22.90	0.195	22.86	0.193
20	16QAM	100	0	22.94	0.197	22.97	0.198	23.03	0.201
20	64QAM	1	0	22.27	0.169	22.04	0.160	22.37	0.173
20	64QAM	1	49	22.04	0.160	22.37	0.173	22.36	0.172
20	64QAM	1	99	22.27	0.169	22.39	0.173	22.47	0.177
20	64QAM	50	0	22.23	0.167	22.13	0.163	22.26	0.168
20	64QAM	50	24	22.17	0.165	22.11	0.163	22.23	0.167
20	64QAM	50	50	22.19	0.166	22.07	0.161	22.13	0.163
20	64QAM	100	0	22.18	0.165	22.18	0.165	22.16	0.164



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	24.35	0.272	24.39	0.275	24.37	0.274
15	QPSK	1	37	24.39	0.275	24.35	0.272	24.33	0.271
15	QPSK	1	74	24.33	0.271	24.29	0.269	24.27	0.267
15	QPSK	36	0	23.01	0.200	22.98	0.199	23.02	0.200
15	QPSK	36	20	23.01	0.200	22.93	0.196	23.03	0.201
15	QPSK	36	39	22.87	0.194	22.92	0.196	22.89	0.195
15	QPSK	75	0	22.96	0.198	23.00	0.200	22.93	0.196
15	16QAM	1	0	22.95	0.197	22.82	0.191	23.12	0.205
15	16QAM	1	37	22.82	0.191	23.12	0.205	23.05	0.202
15	16QAM	1	74	22.92	0.196	22.82	0.191	22.82	0.191
15	16QAM	36	0	23.13	0.206	23.13	0.206	23.04	0.201
15	16QAM	36	20	23.16	0.207	23.15	0.207	23.21	0.209
15	16QAM	36	39	23.08	0.203	23.23	0.210	23.17	0.207
15	16QAM	75	0	23.18	0.208	23.16	0.207	23.12	0.205
15	64QAM	1	0	22.49	0.177	22.39	0.173	22.49	0.177
15	64QAM	1	37	22.51	0.178	22.29	0.169	22.39	0.173
15	64QAM	1	74	22.16	0.164	22.42	0.175	22.49	0.177
15	64QAM	36	0	22.28	0.169	22.27	0.169	22.40	0.174
15	64QAM	36	20	22.38	0.173	22.34	0.171	22.35	0.172
15	64QAM	36	39	22.27	0.169	22.21	0.166	22.25	0.168
15	64QAM	75	0	22.29	0.169	22.31	0.170	22.28	0.169



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	24.38	0.274	24.38	0.274	24.39	0.275
10	QPSK	1	25	24.28	0.268	24.26	0.267	24.34	0.272
10	QPSK	1	49	24.42	0.277	24.30	0.269	24.20	0.263
10	QPSK	25	0	23.32	0.215	23.25	0.211	23.32	0.215
10	QPSK	25	12	23.29	0.213	23.48	0.223	23.26	0.212
10	QPSK	25	25	23.25	0.211	23.21	0.209	23.13	0.206
10	QPSK	50	0	23.33	0.215	23.18	0.208	23.37	0.217
10	16QAM	1	0	23.25	0.211	23.25	0.211	23.45	0.221
10	16QAM	1	25	23.25	0.211	23.34	0.216	23.46	0.222
10	16QAM	1	49	23.08	0.203	23.28	0.213	23.16	0.207
10	16QAM	25	0	23.09	0.204	23.26	0.212	23.14	0.206
10	16QAM	25	12	23.08	0.203	23.28	0.213	23.19	0.208
10	16QAM	25	25	22.99	0.199	23.04	0.201	23.04	0.201
10	16QAM	50	0	23.15	0.207	23.19	0.208	23.20	0.209
10	64QAM	1	0	22.32	0.171	22.32	0.171	21.99	0.158
10	64QAM	1	25	21.99	0.158	22.12	0.163	22.02	0.159
10	64QAM	1	49	21.99	0.158	21.99	0.158	21.99	0.158
10	64QAM	25	0	22.32	0.171	22.30	0.170	22.32	0.171
10	64QAM	25	12	22.31	0.170	22.35	0.172	22.39	0.173
10	64QAM	25	25	22.31	0.170	22.24	0.167	22.26	0.168
10	64QAM	50	0	22.21	0.166	22.31	0.170	22.32	0.171



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	24.27	0.267	24.30	0.269	24.35	0.272
5	QPSK	1	12	24.30	0.269	24.30	0.269	24.29	0.269
5	QPSK	1	24	24.38	0.274	24.28	0.268	24.34	0.272
5	QPSK	12	0	23.01	0.200	23.03	0.201	22.99	0.199
5	QPSK	12	7	23.03	0.201	23.11	0.205	23.04	0.201
5	QPSK	12	13	22.89	0.195	22.95	0.197	22.96	0.198
5	QPSK	25	0	22.99	0.199	23.00	0.200	22.99	0.199
5	16QAM	1	0	23.48	0.223	23.17	0.207	23.18	0.208
5	16QAM	1	12	23.11	0.205	23.40	0.219	23.35	0.216
5	16QAM	1	24	23.23	0.210	23.12	0.205	23.47	0.222
5	16QAM	12	0	23.12	0.205	23.23	0.210	23.19	0.208
5	16QAM	12	7	23.29	0.213	23.21	0.209	23.33	0.215
5	16QAM	12	13	23.20	0.209	23.14	0.206	23.21	0.209
5	16QAM	25	0	23.21	0.209	23.23	0.210	23.15	0.207
5	64QAM	1	0	21.99	0.158	22.39	0.173	22.19	0.166
5	64QAM	1	12	22.29	0.169	22.29	0.169	22.29	0.169
5	64QAM	1	24	22.12	0.163	22.16	0.164	22.12	0.163
5	64QAM	12	0	22.36	0.172	22.11	0.163	22.32	0.171
5	64QAM	12	7	22.44	0.175	22.03	0.160	22.34	0.171
5	64QAM	12	13	22.27	0.169	22.39	0.173	22.34	0.171
5	64QAM	25	0	22.34	0.171	22.42	0.175	22.29	0.169



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	24.34	0.272	24.25	0.266	24.24	0.265
3	QPSK	1	8	24.21	0.264	24.22	0.264	24.30	0.269
3	QPSK	1	14	24.12	0.258	23.93	0.247	24.23	0.265
3	QPSK	8	0	23.27	0.212	23.24	0.211	23.28	0.213
3	QPSK	8	4	23.22	0.210	23.14	0.206	23.24	0.211
3	QPSK	8	7	23.08	0.203	23.13	0.206	23.10	0.204
3	QPSK	15	0	23.17	0.207	23.21	0.209	23.14	0.206
3	16QAM	1	0	22.86	0.193	23.27	0.212	23.03	0.201
3	16QAM	1	8	23.19	0.208	23.13	0.206	23.12	0.205
3	16QAM	1	14	23.23	0.210	23.12	0.205	22.82	0.191
3	16QAM	8	0	23.04	0.201	23.04	0.201	22.95	0.197
3	16QAM	8	4	23.07	0.203	23.06	0.202	23.12	0.205
3	16QAM	8	7	22.99	0.199	23.14	0.206	23.08	0.203
3	16QAM	15	0	23.09	0.204	23.07	0.203	23.03	0.201
3	64QAM	1	0	22.40	0.174	22.30	0.170	22.40	0.174
3	64QAM	1	8	22.42	0.175	22.20	0.166	22.30	0.170
3	64QAM	1	14	22.07	0.161	22.33	0.171	22.40	0.174
3	64QAM	8	0	22.19	0.166	22.18	0.165	22.31	0.170
3	64QAM	8	4	22.29	0.169	22.25	0.168	22.26	0.168
3	64QAM	8	7	22.18	0.165	22.12	0.163	22.16	0.164
3	64QAM	15	0	22.20	0.166	22.22	0.167	22.19	0.166



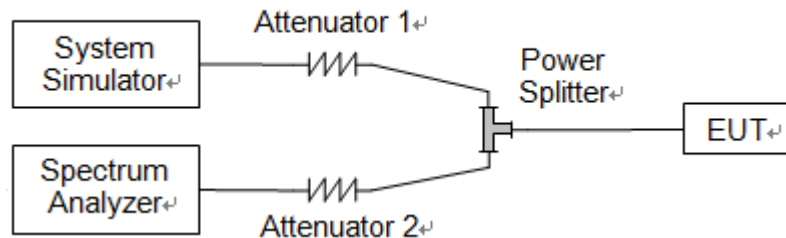
LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131979		132322		132665	
Frequency (MHz)				1710.7		1745		1779.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	24.28	0.268	24.19	0.262	24.20	0.263
1.4	QPSK	1	3	24.34	0.272	24.36	0.273	24.36	0.273
1.4	QPSK	1	5	24.26	0.267	24.14	0.259	24.30	0.269
1.4	QPSK	3	0	24.25	0.266	24.18	0.262	24.25	0.266
1.4	QPSK	3	1	24.22	0.264	24.28	0.268	24.19	0.262
1.4	QPSK	3	3	24.23	0.265	24.19	0.262	24.11	0.258
1.4	QPSK	6	0	23.30	0.214	23.15	0.207	23.34	0.216
1.4	16QAM	1	0	23.17	0.207	23.17	0.207	23.37	0.217
1.4	16QAM	1	3	23.17	0.207	23.26	0.212	23.38	0.218
1.4	16QAM	1	5	23.00	0.200	23.20	0.209	23.08	0.203
1.4	16QAM	3	0	22.95	0.197	22.92	0.196	23.18	0.208
1.4	16QAM	3	1	23.04	0.201	22.94	0.197	23.06	0.202
1.4	16QAM	3	3	23.05	0.202	23.06	0.202	23.00	0.200
1.4	16QAM	6	0	22.94	0.197	22.85	0.193	22.86	0.193
1.4	64QAM	1	0	22.45	0.176	22.30	0.170	22.46	0.176
1.4	64QAM	1	3	22.18	0.165	22.27	0.169	22.27	0.169
1.4	64QAM	1	5	22.15	0.164	22.15	0.164	22.26	0.168
1.4	64QAM	3	0	22.24	0.167	22.22	0.167	22.24	0.167
1.4	64QAM	3	1	22.23	0.167	22.27	0.169	22.31	0.170
1.4	64QAM	3	3	22.23	0.167	22.16	0.164	22.18	0.165
1.4	64QAM	6	0	22.13	0.163	22.23	0.167	22.24	0.167

2.2. Occupied Bandwidth

2.2.1. Requirement

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

2.2.2. Test Description



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

2.2.3. Test Procedure

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

2.2.4. Test Result



LTE Band 2				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.25
	Low	16QAM	1.10	1.25
	Low	64QAM	1.10	1.26
	Mid	QPSK	1.09	1.24
	Mid	16QAM	1.10	1.25
	Mid	64QAM	1.09	1.24
	High	QPSK	1.10	1.24
	High	16QAM	1.10	1.26
	High	64QAM	1.09	1.25
3	Low	QPSK	2.72	3.05
	Low	16QAM	2.72	3.05
	Low	64QAM	2.73	3.04
	Mid	QPSK	2.72	3.04
	Mid	16QAM	2.72	3.07
	Mid	64QAM	2.72	3.07
	High	QPSK	2.72	3.05
	High	16QAM	2.71	3.06
	High	64QAM	2.72	3.07
5	Low	QPSK	4.49	4.95
	Low	16QAM	4.50	5.00
	Low	64QAM	4.49	4.96
	Mid	QPSK	4.50	4.95
	Mid	16QAM	4.50	4.96
	Mid	64QAM	4.50	4.96
	High	QPSK	4.50	4.96
	High	16QAM	4.49	4.96
	High	64QAM	4.50	4.95
10	Low	QPSK	9.01	9.88
	Low	16QAM	8.97	9.79
	Low	64QAM	8.99	9.86
	Mid	QPSK	8.99	9.82
	Mid	16QAM	8.97	9.80
	Mid	64QAM	9.00	9.88
	High	QPSK	9.00	9.83
	High	16QAM	8.96	9.82
	High	64QAM	8.97	9.85



15	Low	QPSK	13.46	14.86
	Low	16QAM	13.49	14.93
	Low	64QAM	13.45	14.92
	Mid	QPSK	13.48	14.89
	Mid	16QAM	13.50	14.95
	Mid	64QAM	13.49	14.88
	High	QPSK	13.46	14.96
	High	16QAM	13.47	14.99
	High	64QAM	13.48	14.85
20	Low	QPSK	18.00	19.76
	Low	16QAM	17.99	19.85
	Low	64QAM	18.01	19.63
	Mid	QPSK	18.00	19.71
	Mid	16QAM	18.03	19.90
	Mid	64QAM	18.00	19.74
	High	QPSK	18.00	19.76
	High	16QAM	17.98	19.99
	High	64QAM	17.97	19.72



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	1.25
	Mid	QPSK	1.10	1.25
	Mid	16QAM	1.10	1.25
	Mid	64QAM	1.10	1.25
	High	QPSK	1.10	1.25
	High	16QAM	1.10	1.26
	High	64QAM	1.10	1.25
3	Low	QPSK	2.72	3.05
	Low	16QAM	2.72	3.02
	Low	64QAM	2.72	3.05
	Mid	QPSK	2.71	3.04
	Mid	16QAM	2.72	3.05
	Mid	64QAM	2.72	3.06
	High	QPSK	2.71	3.03
	High	16QAM	2.71	3.05
	High	64QAM	2.72	3.06
5	Low	QPSK	4.50	4.97
	Low	16QAM	4.49	4.98
	Low	64QAM	4.49	4.96
	Mid	QPSK	4.49	4.99
	Mid	16QAM	4.51	4.99
	Mid	64QAM	4.49	4.95
	High	QPSK	4.49	4.97
	High	16QAM	4.50	4.99
	High	64QAM	4.49	4.95
10	Low	QPSK	9.01	9.90
	Low	16QAM	8.97	9.89
	Low	64QAM	8.98	9.85
	Mid	QPSK	9.02	9.95
	Mid	16QAM	8.98	9.83
	Mid	64QAM	8.98	9.87
	High	QPSK	9.00	9.88
	High	16QAM	8.98	9.83
	High	64QAM	8.97	9.90



15	Low	QPSK	13.50	14.91
	Low	16QAM	13.49	14.90
	Low	64QAM	13.48	14.89
	Mid	QPSK	13.47	14.93
	Mid	16QAM	13.48	14.83
	Mid	64QAM	13.47	15.00
	High	QPSK	13.47	14.91
	High	16QAM	13.48	14.93
	High	64QAM	13.47	14.91
20	Low	QPSK	17.97	19.75
	Low	16QAM	18.01	20.33
	Low	64QAM	17.99	19.75
	Mid	QPSK	17.98	19.76
	Mid	16QAM	18.01	19.72
	Mid	64QAM	18.00	19.83
	High	QPSK	17.97	19.75
	High	16QAM	18.01	19.78
	High	64QAM	17.97	19.72



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	1.25
	Mid	16QAM	1.09	1.25
	Mid	64QAM	1.09	1.24
	High	QPSK	1.10	1.24
	High	16QAM	1.10	1.25
	High	64QAM	1.10	1.25
3	Low	QPSK	2.71	3.02
	Low	16QAM	2.72	3.05
	Low	64QAM	2.73	3.06
	Mid	QPSK	2.71	3.04
	Mid	16QAM	2.72	3.05
	Mid	64QAM	2.72	3.02
	High	QPSK	2.71	3.04
	High	16QAM	2.71	3.03
	High	64QAM	2.70	3.03
5	Low	QPSK	4.51	4.99
	Low	16QAM	4.50	5.00
	Low	64QAM	4.50	4.97
	Mid	QPSK	4.49	4.98
	Mid	16QAM	4.50	4.97
	Mid	64QAM	4.49	4.95
	High	QPSK	4.49	4.94
	High	16QAM	4.49	4.95
	High	64QAM	4.48	4.94
10	Low	QPSK	9.03	9.87
	Low	16QAM	9.00	9.90
	Low	64QAM	9.02	9.88
	Mid	QPSK	8.97	9.87
	Mid	16QAM	8.94	9.69
	Mid	64QAM	8.94	9.84
	High	QPSK	9.01	9.86
	High	16QAM	8.97	9.79
	High	64QAM	8.99	9.88



LTE Band 7				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.50	4.99
	Low	16QAM	4.50	4.95
	Low	64QAM	4.49	4.96
	Mid	QPSK	4.50	4.98
	Mid	16QAM	4.50	4.98
	Mid	64QAM	4.50	4.98
	High	QPSK	4.50	4.96
	High	16QAM	4.50	4.96
	High	64QAM	4.50	4.96
10	Low	QPSK	9.01	9.89
	Low	16QAM	8.97	9.83
	Low	64QAM	8.99	9.85
	Mid	QPSK	9.00	9.82
	Mid	16QAM	8.99	9.87
	Mid	64QAM	8.98	9.86
	High	QPSK	9.03	9.94
	High	16QAM	8.98	9.84
	High	64QAM	9.00	9.87
15	Low	QPSK	13.47	14.79
	Low	16QAM	13.49	14.90
	Low	64QAM	13.45	14.99
	Mid	QPSK	13.47	14.92
	Mid	16QAM	13.49	14.96
	Mid	64QAM	13.49	14.89
	High	QPSK	13.48	14.96
	High	16QAM	13.49	15.04
	High	64QAM	13.49	14.91
20	Low	QPSK	17.95	19.70
	Low	16QAM	17.99	19.75
	Low	64QAM	17.98	19.76
	Mid	QPSK	17.99	19.80
	Mid	16QAM	18.02	19.84
	Mid	64QAM	18.01	19.72
	High	QPSK	17.95	19.67
	High	16QAM	17.96	19.74
	High	64QAM	17.99	19.72



LTE Band 12				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.24
	Low	16QAM	1.10	1.24
	Low	64QAM	1.10	1.24
	Mid	QPSK	1.10	1.25
	Mid	16QAM	1.10	1.25
	Mid	64QAM	1.10	1.24
	High	QPSK	1.10	1.24
	High	16QAM	1.10	1.25
	High	64QAM	1.10	1.25
3	Low	QPSK	2.71	3.04
	Low	16QAM	2.71	3.03
	Low	64QAM	2.72	3.06
	Mid	QPSK	2.71	3.04
	Mid	16QAM	2.71	3.02
	Mid	64QAM	2.72	3.05
	High	QPSK	2.72	3.05
	High	16QAM	2.72	3.05
	High	64QAM	2.72	3.06
5	Low	QPSK	4.50	4.97
	Low	16QAM	4.50	5.00
	Low	64QAM	4.49	4.97
	Mid	QPSK	4.49	4.93
	Mid	16QAM	4.49	4.95
	Mid	64QAM	4.49	4.95
	High	QPSK	4.50	4.98
	High	16QAM	4.50	4.98
	High	64QAM	4.50	4.96
10	Low	QPSK	9.01	9.84
	Low	16QAM	8.99	9.84
	Low	64QAM	9.00	9.87
	Mid	QPSK	8.99	9.82
	Mid	16QAM	8.96	9.75
	Mid	64QAM	8.98	9.83
	High	QPSK	8.99	9.90
	High	16QAM	8.99	9.86
	High	64QAM	8.99	9.79



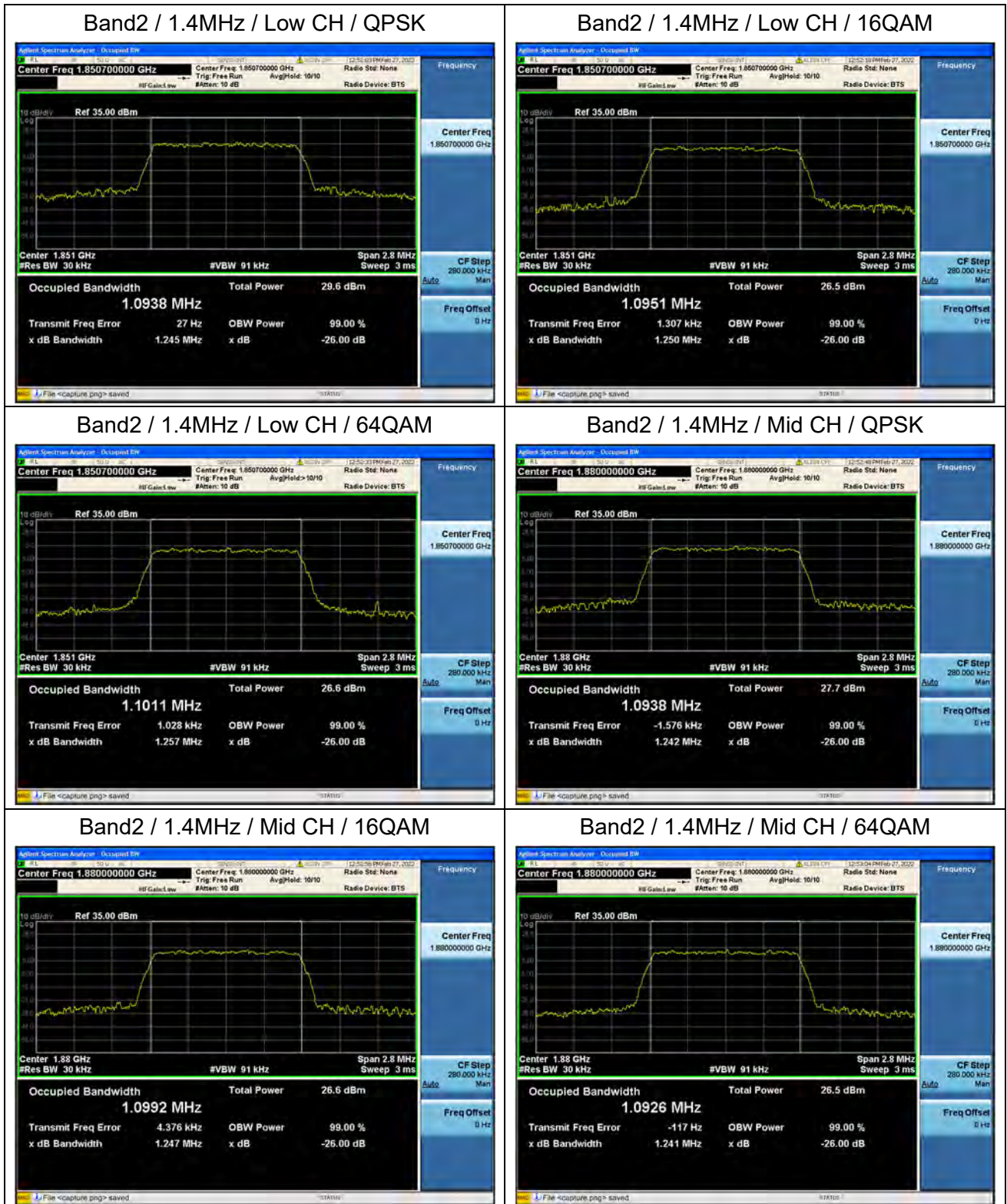
LTE Band 17				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.49	4.96
	Low	16QAM	4.50	4.96
	Low	64QAM	4.49	4.97
	Mid	QPSK	4.49	4.89
	Mid	16QAM	4.50	4.97
	Mid	64QAM	4.48	4.94
	High	QPSK	4.50	4.99
	High	16QAM	4.50	4.99
	High	64QAM	4.49	4.96
10	Low	QPSK	8.96	9.87
	Low	16QAM	8.95	9.79
	Low	64QAM	8.98	9.88
	Mid	QPSK	9.01	9.92
	Mid	16QAM	8.96	9.84
	Mid	64QAM	8.98	9.84
	High	QPSK	9.00	9.89
	High	16QAM	8.97	9.83
	High	64QAM	8.98	9.86



LTE Band 66				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.25
	Low	16QAM	1.10	1.24
	Low	64QAM	1.10	1.25
	Mid	QPSK	1.10	1.25
	Mid	16QAM	1.10	1.26
	Mid	64QAM	1.10	1.25
	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	2.71	3.07
	Low	64QAM	2.71	3.05
	Mid	QPSK	2.71	3.04
	Mid	16QAM	2.72	3.05
	Mid	64QAM	2.70	3.03
	High	QPSK	2.71	3.04
	High	16QAM	2.72	3.03
	High	64QAM	2.71	3.05
5	Low	QPSK	4.51	4.99
	Low	16QAM	4.50	4.95
	Low	64QAM	4.50	4.99
	Mid	QPSK	4.50	4.94
	Mid	16QAM	4.50	4.98
	Mid	64QAM	4.51	4.96
	High	QPSK	4.52	4.91
	High	16QAM	4.50	4.92
	High	64QAM	4.50	4.95
10	Low	QPSK	9.05	9.66
	Low	16QAM	8.97	9.85
	Low	64QAM	9.00	9.96
	Mid	QPSK	9.00	9.87
	Mid	16QAM	8.98	9.89
	Mid	64QAM	9.01	9.98
	High	QPSK	9.00	9.81
	High	16QAM	8.97	9.81
	High	64QAM	9.01	9.96

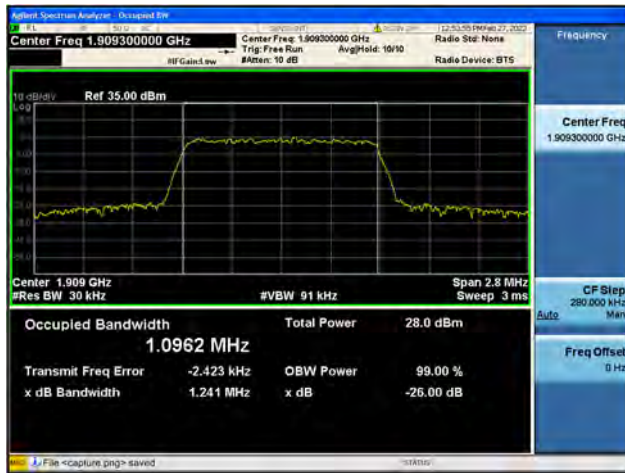


15	Low	QPSK	13.47	14.90
	Low	16QAM	13.49	14.90
	Low	64QAM	13.58	14.76
	Mid	QPSK	13.46	14.92
	Mid	16QAM	13.48	14.92
	Mid	64QAM	13.46	14.88
	High	QPSK	13.48	14.89
	High	16QAM	13.48	14.93
	High	64QAM	13.47	14.90
20	Low	QPSK	17.95	19.74
	Low	16QAM	17.98	19.85
	Low	64QAM	17.97	19.63
	Mid	QPSK	18.00	19.82
	Mid	16QAM	18.00	19.76
	Mid	64QAM	18.01	19.88
	High	QPSK	17.96	19.74
	High	16QAM	17.97	19.75
	High	64QAM	17.99	19.70

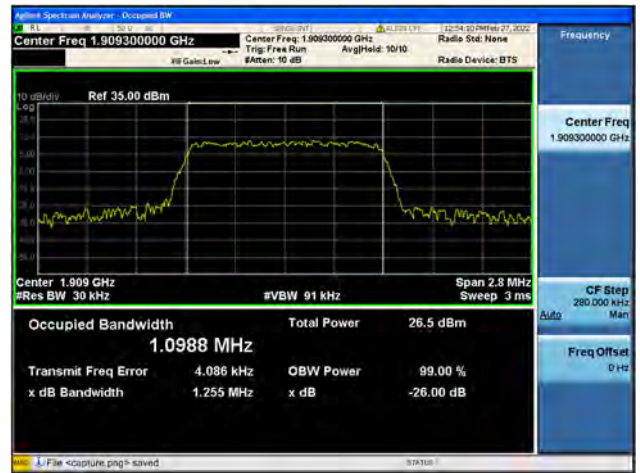




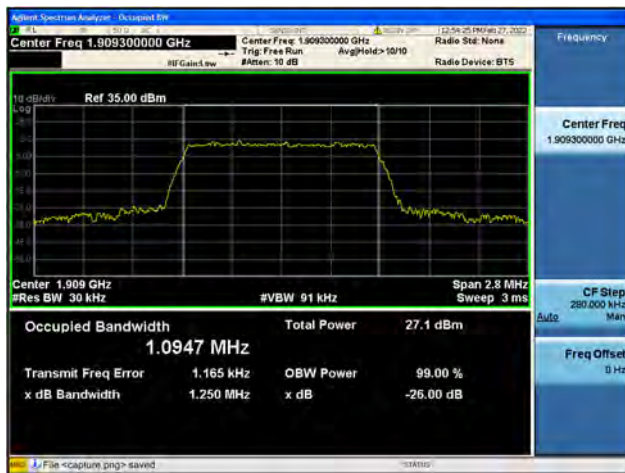
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Band2 / 1.4MHz / High CH / 16QAM



Band2 / 1.4MHz / High CH / 64QAM



Band2 / 3MHz / Low CH / QPSK

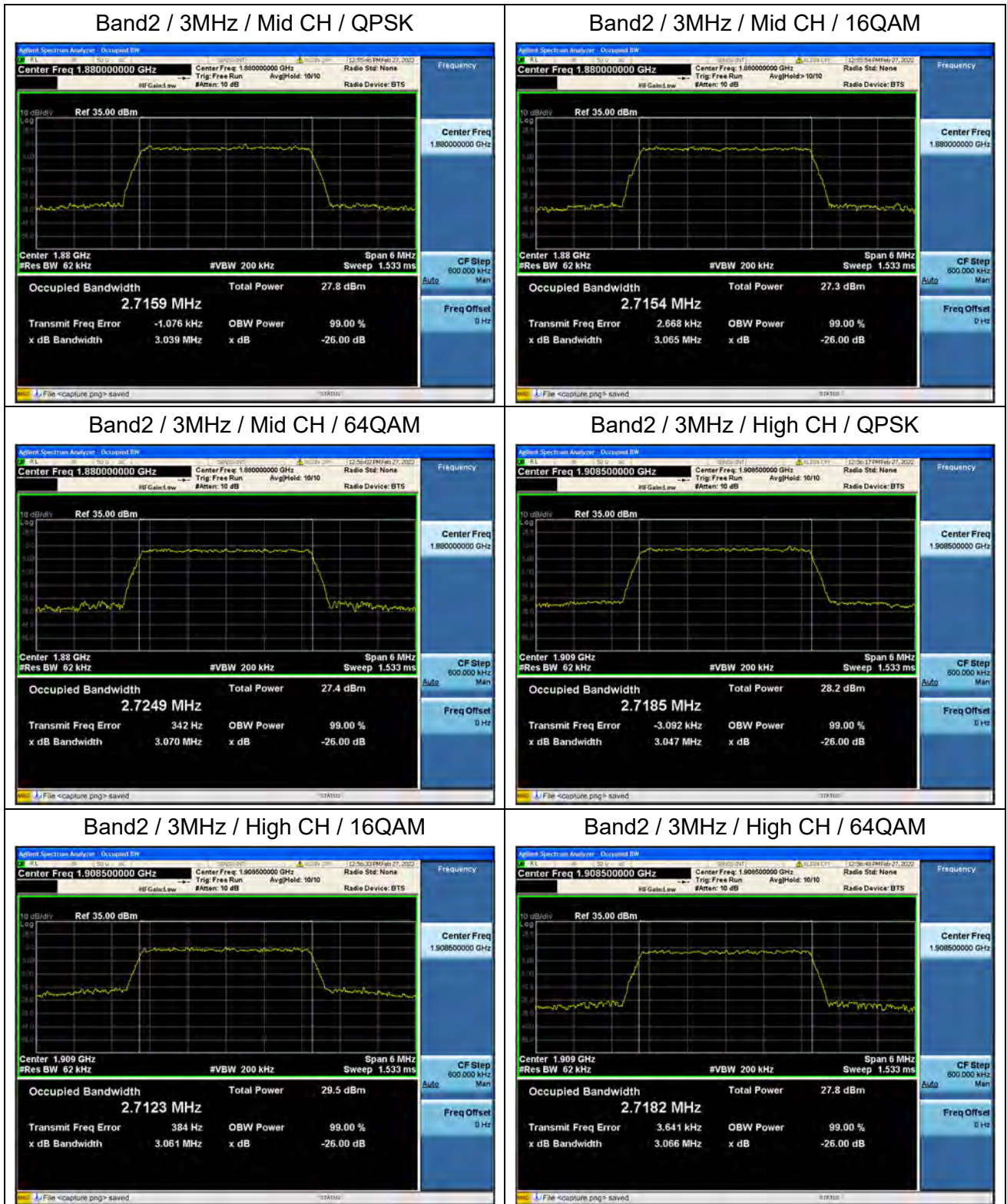


Band2 / 3MHz / Low CH / 16QAM



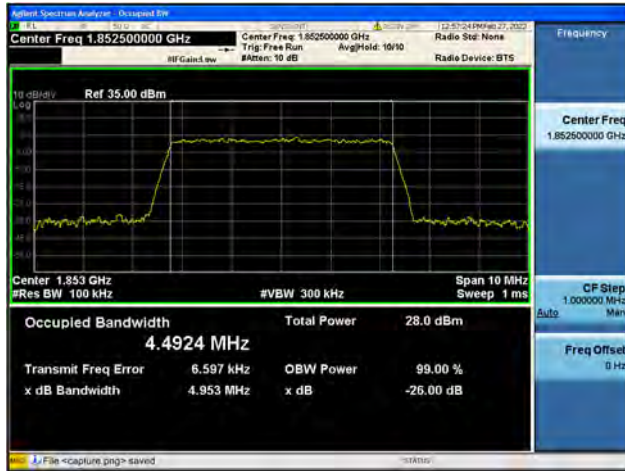
Band2 / 3MHz / Low CH / 64QAM



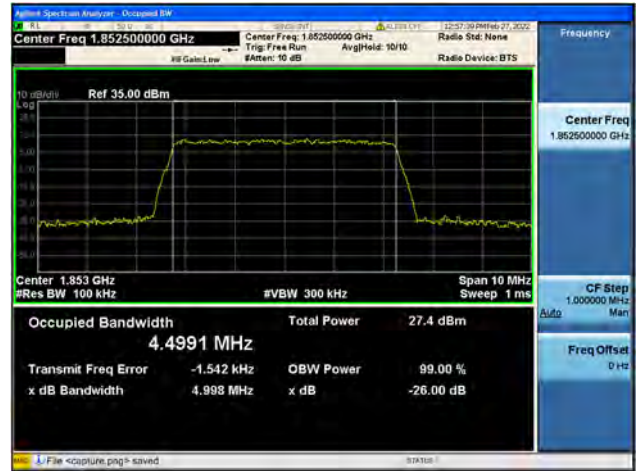




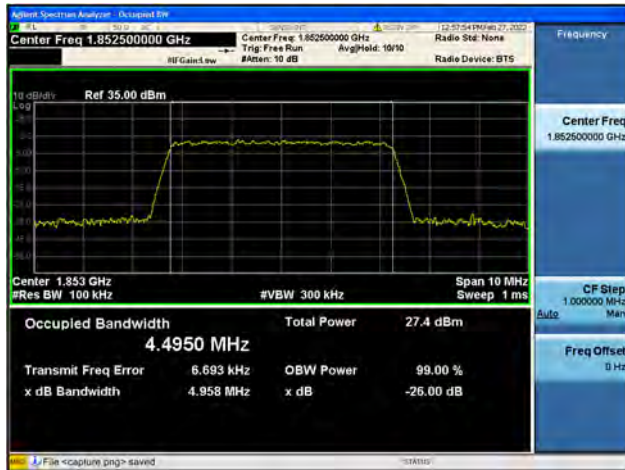
Band2 / 5MHz / Low CH / QPSK



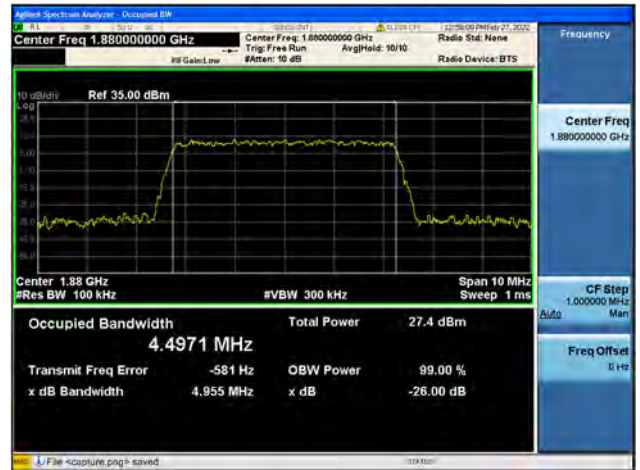
Band2 / 5MHz / Low CH / 16QAM



Band2 / 5MHz / Low CH / 64QAM



Band2 / 5MHz / Mid CH / QPSK



Band2 / 5MHz / Mid CH / 16QAM



Band2 / 5MHz / Mid CH / 64QAM





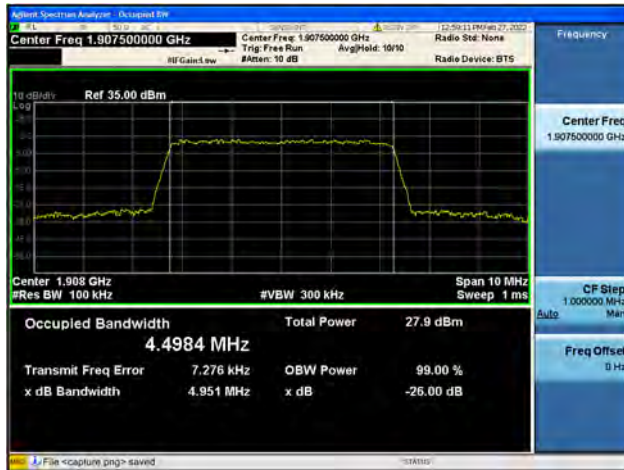
Band2 / 5MHz / High CH / QPSK



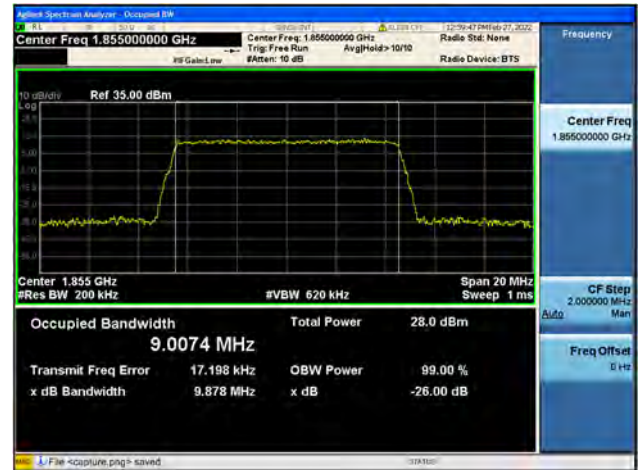
Band2 / 5MHz / High CH / 16QAM



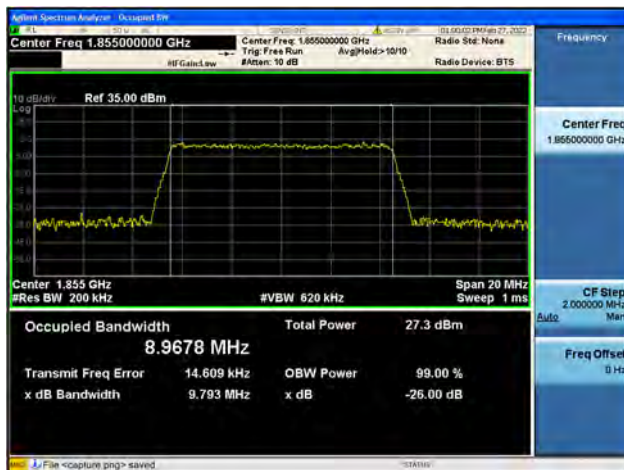
Band2 / 5MHz / High CH / 64QAM



Band2 / 10MHz / Low CH / QPSK



Band2 / 10MHz / Low CH / 16QAM

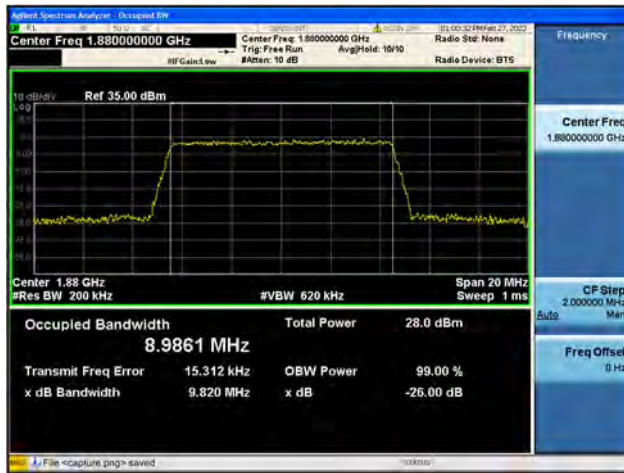


Band2 / 10MHz / Low CH / 64QAM

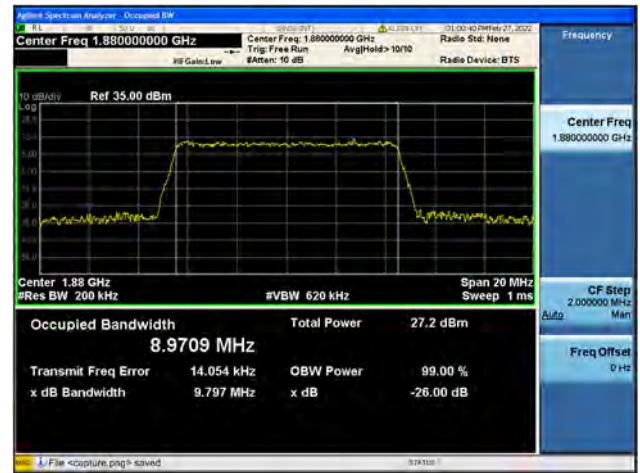




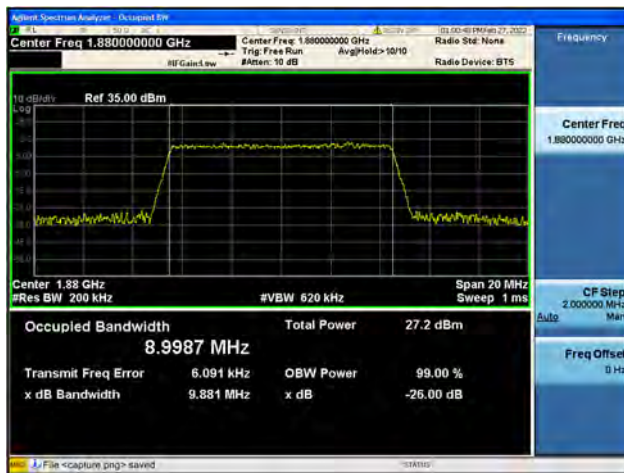
Band2 / 10MHz / Mid CH / QPSK



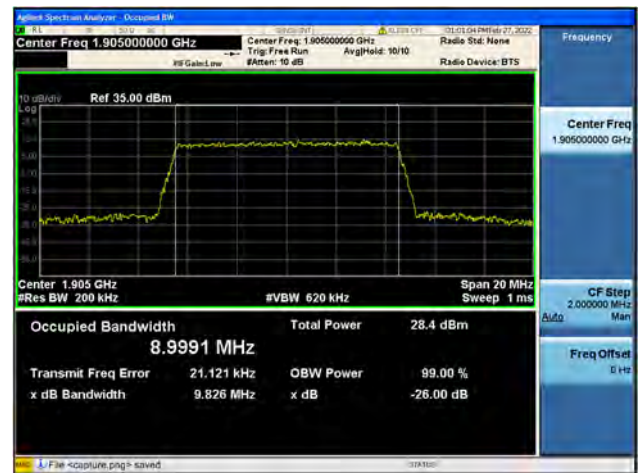
Band2 / 10MHz / Mid CH / 16QAM



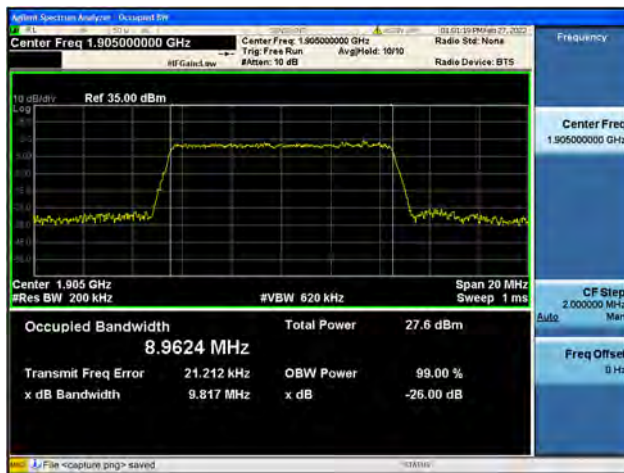
Band2 / 10MHz / Mid CH / 64QAM



Band2 / 10MHz / High CH / QPSK



Band2 / 10MHz / High CH / 16QAM

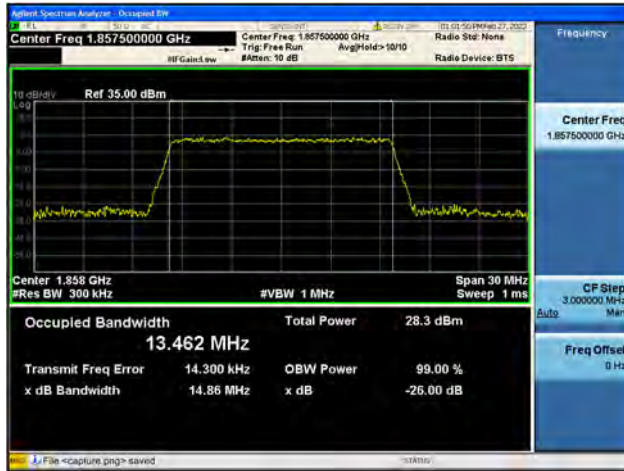


Band2 / 10MHz / High CH / 64QAM

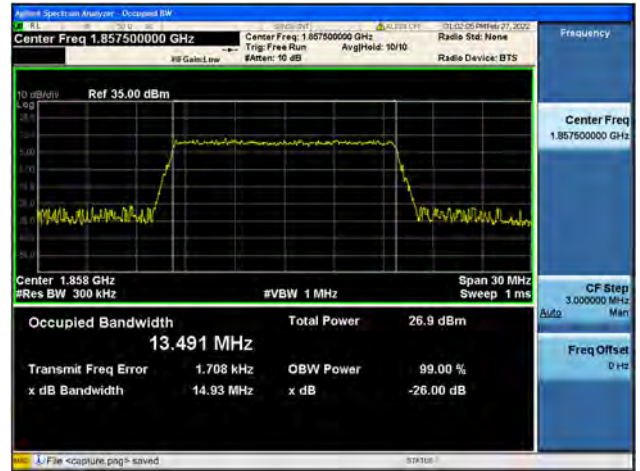




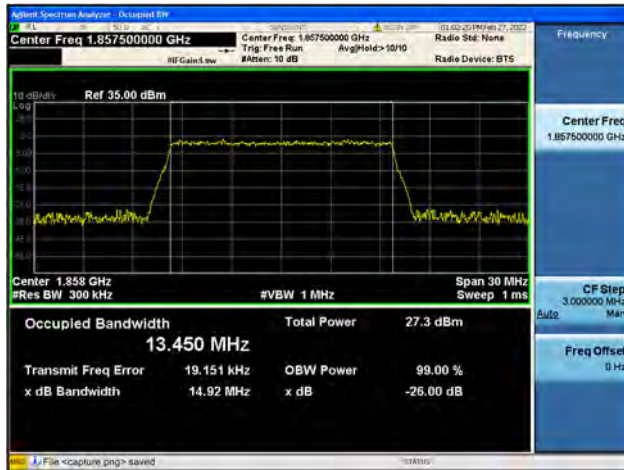
Band2 / 15MHz / Low CH / QPSK



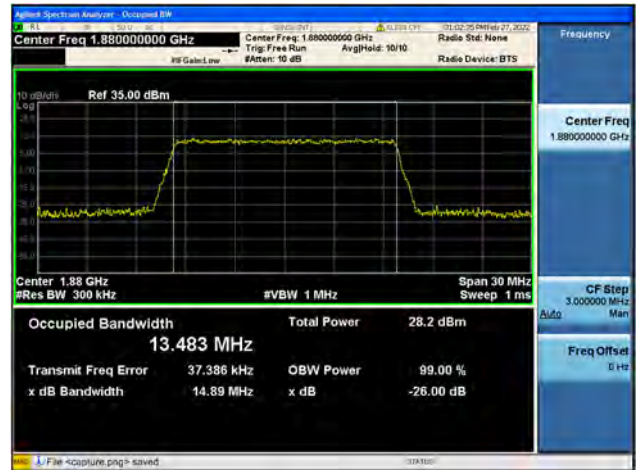
Band2 / 15MHz / Low CH / 16QAM



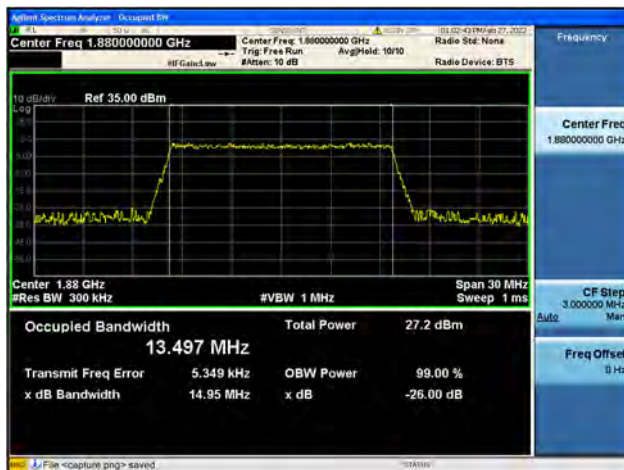
Band2 / 15MHz / Low CH / 64QAM



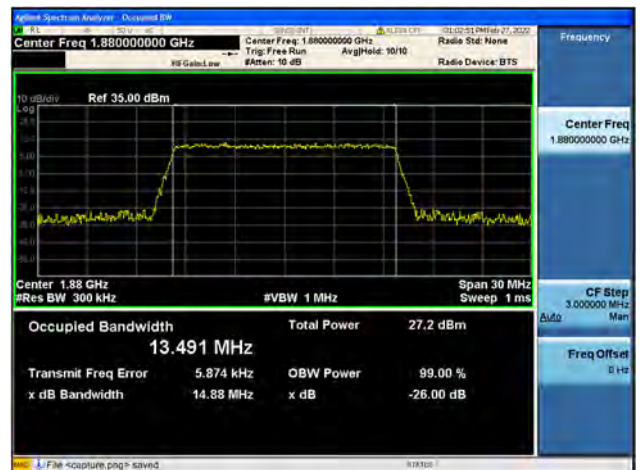
Band2 / 15MHz / Mid CH / QPSK



Band2 / 15MHz / Mid CH / 16QAM

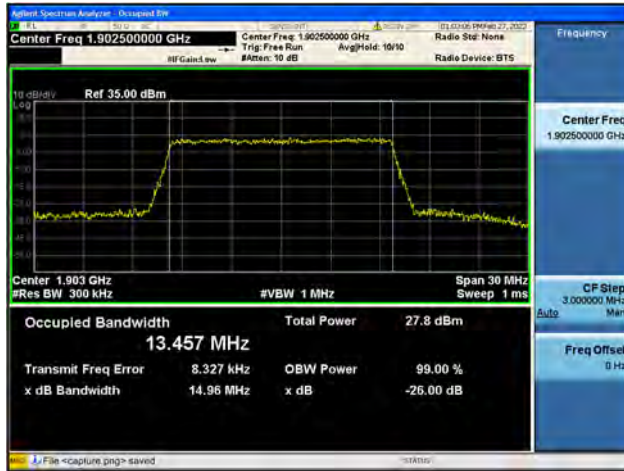


Band2 / 15MHz / Mid CH / 64QAM

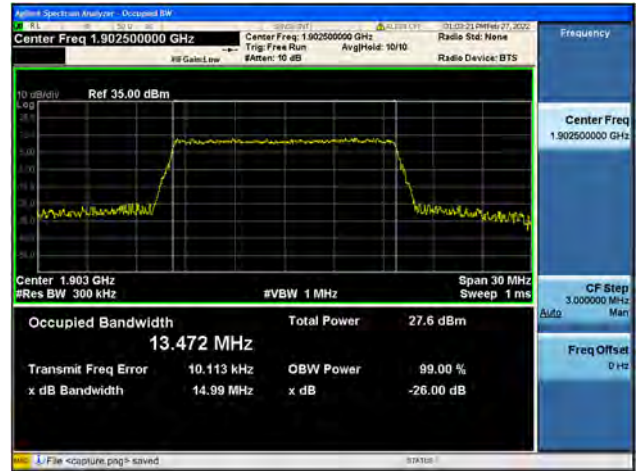




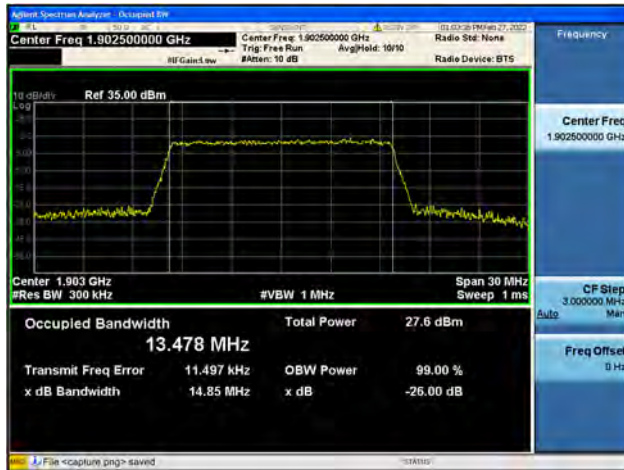
Band2 / 15MHz / High CH / QPSK



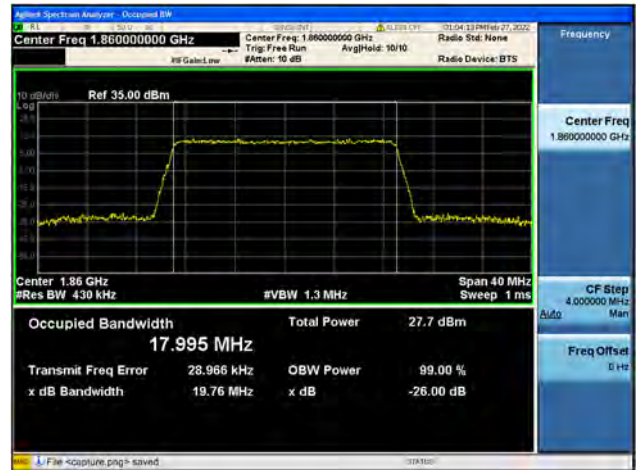
Band2 / 15MHz / High CH / 16QAM



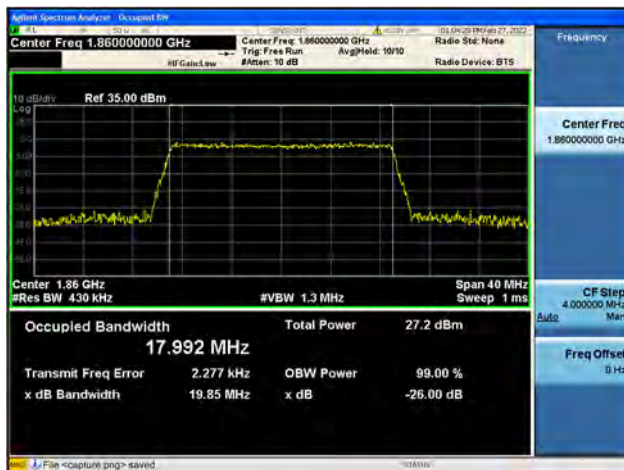
Band2 / 15MHz / High CH / 64QAM



Band2 / 20MHz / Low CH / QPSK



Band2 / 20MHz / Low CH / 16QAM

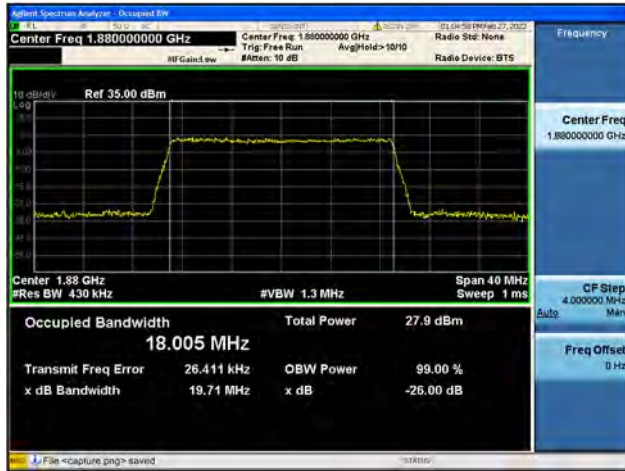


Band2 / 20MHz / Low CH / 64QAM

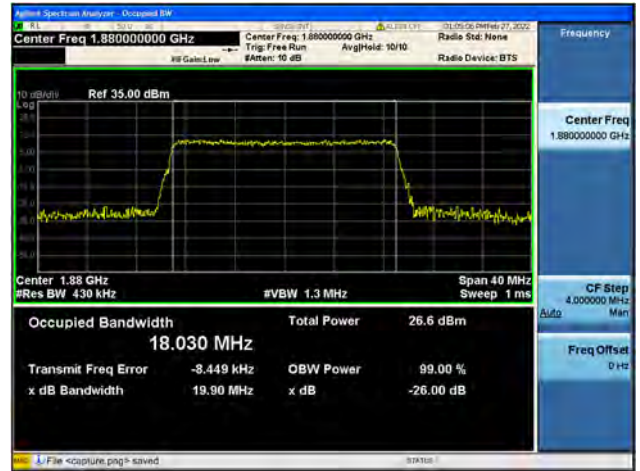




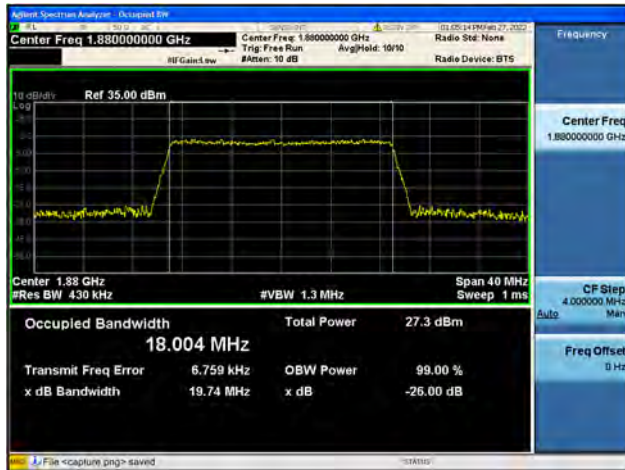
Band2 / 20MHz / Mid CH / QPSK



Band2 / 20MHz / Mid CH / 16QAM



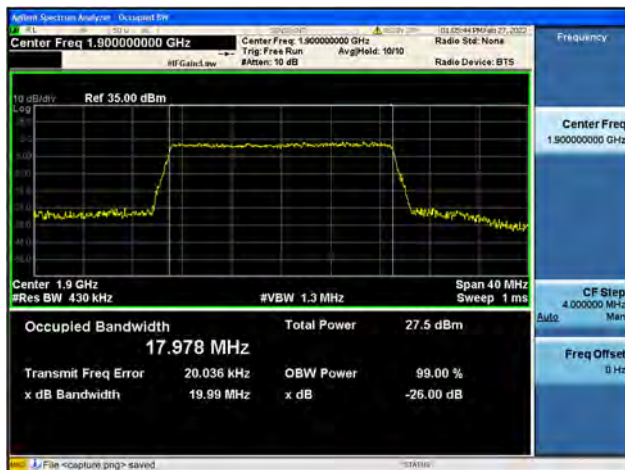
Band2 / 20MHz / Mid CH / 64QAM



Band2 / 20MHz / High CH / QPSK

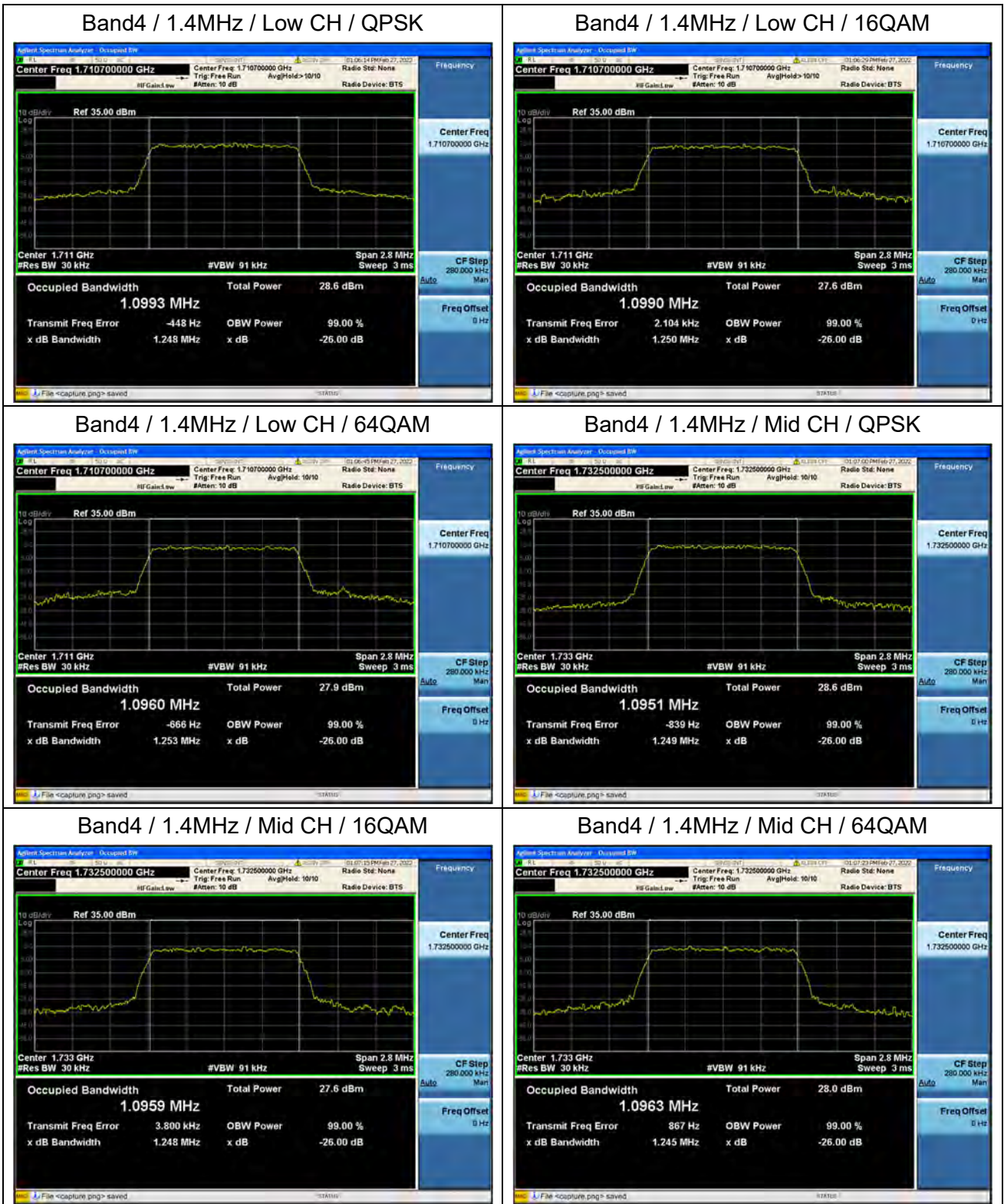


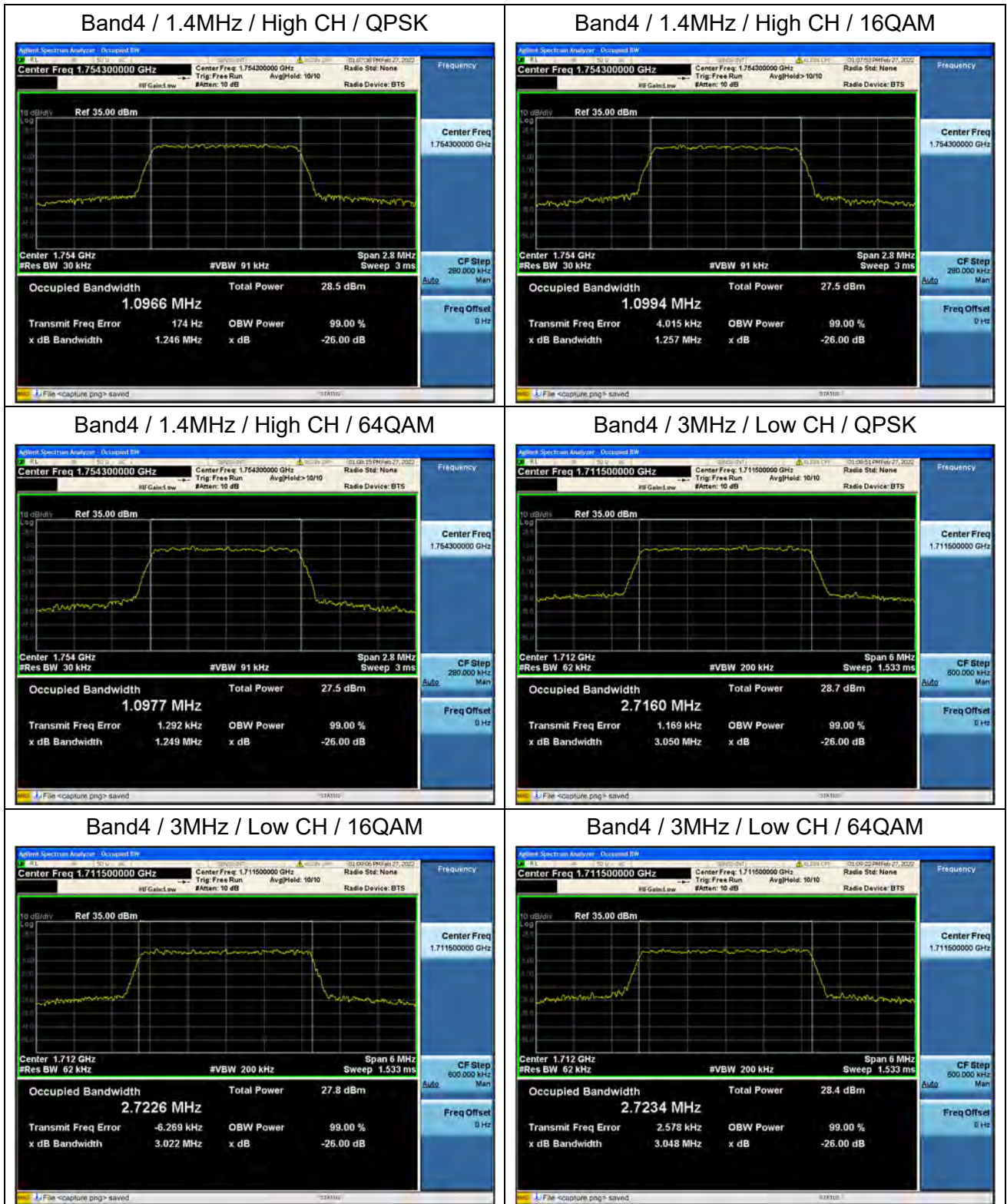
Band2 / 20MHz / High CH / 16QAM



Band2 / 20MHz / High CH / 64QAM

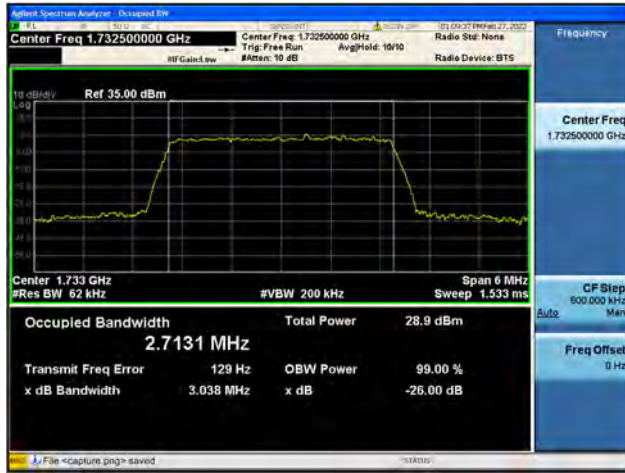




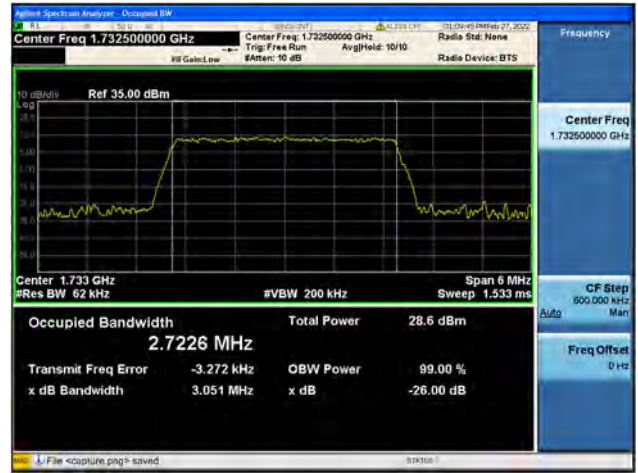




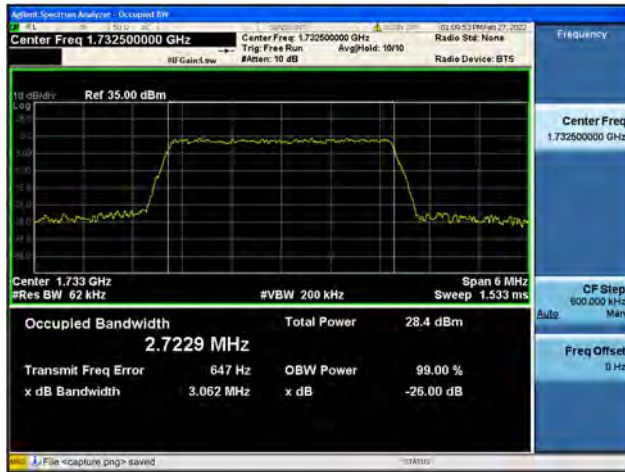
Band4 / 3MHz / Mid CH / QPSK



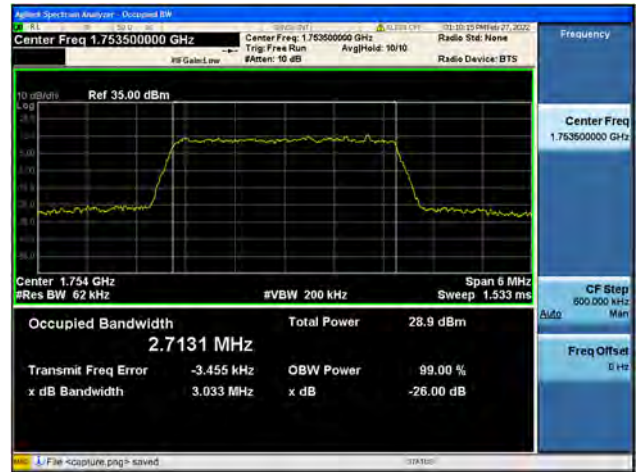
Band4 / 3MHz / Mid CH / 16QAM



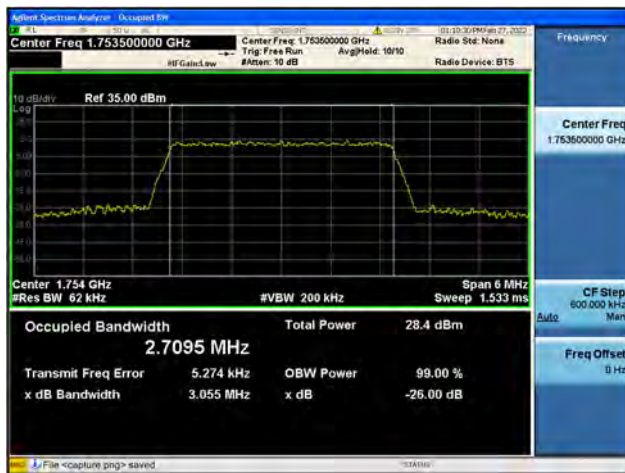
Band4 / 3MHz / Mid CH / 64QAM



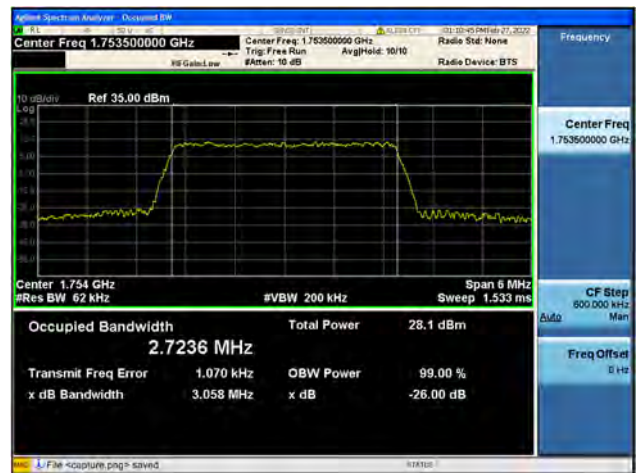
Band4 / 3MHz / High CH / QPSK



Band4 / 3MHz / High CH / 16QAM

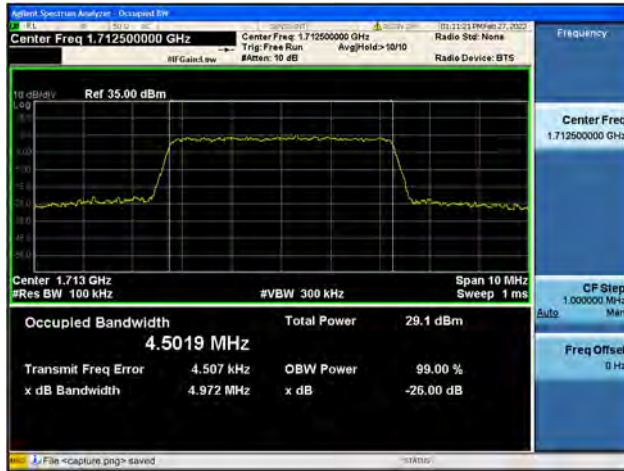


Band4 / 3MHz / High CH / 64QAM

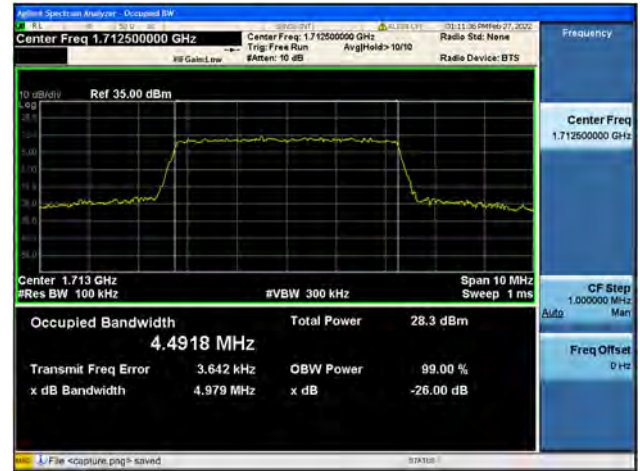




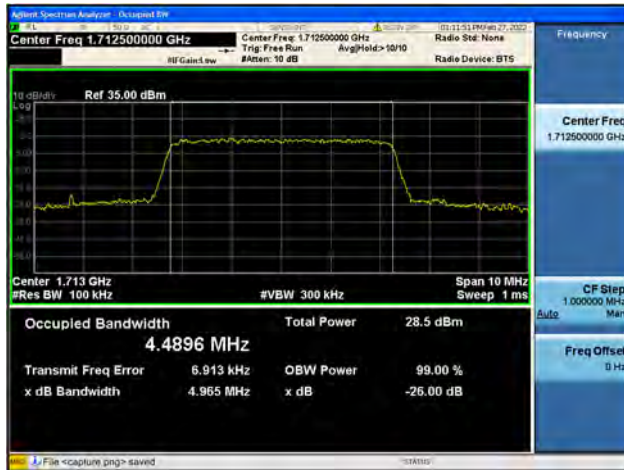
Band4 / 5MHz / Low CH / QPSK



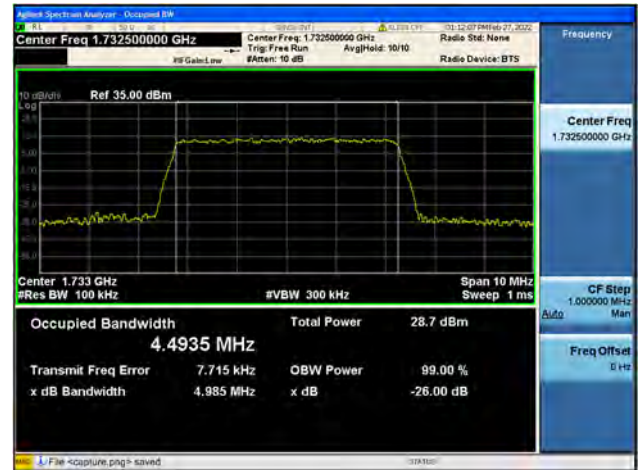
Band4 / 5MHz / Low CH / 16QAM



Band4 / 5MHz / Low CH / 64QAM



Band4 / 5MHz / Mid CH / QPSK

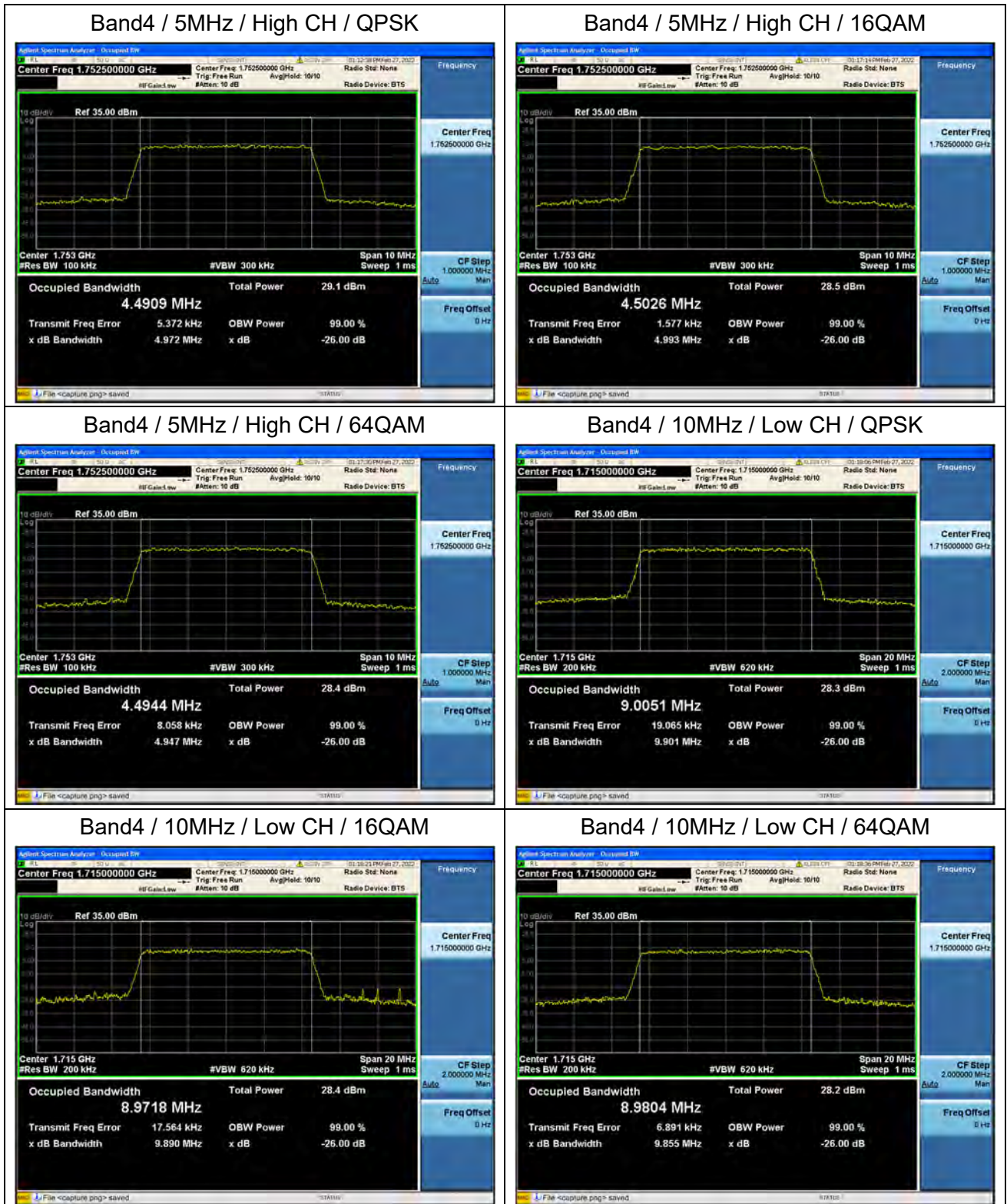


Band4 / 5MHz / Mid CH / 16QAM



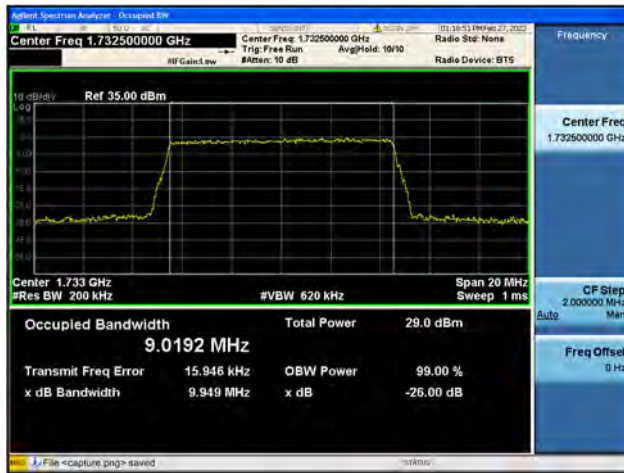
Band4 / 5MHz / Mid CH / 64QAM



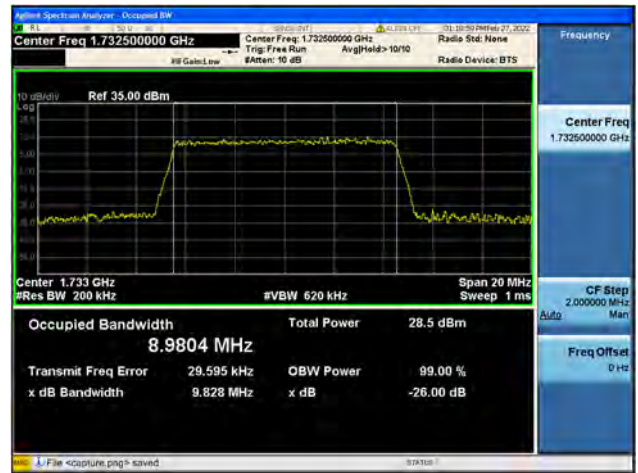




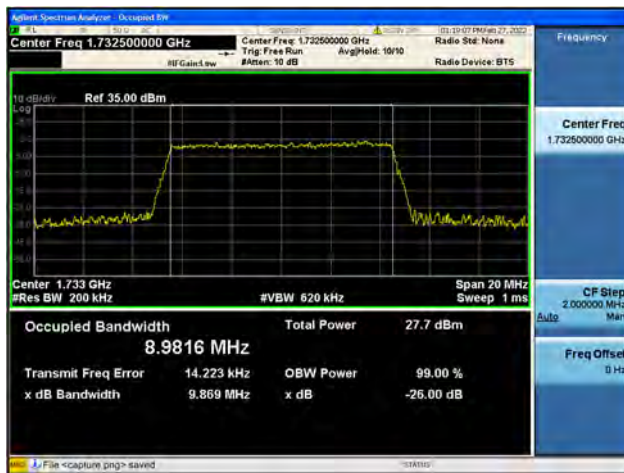
Band4 / 10MHz / Mid CH / QPSK



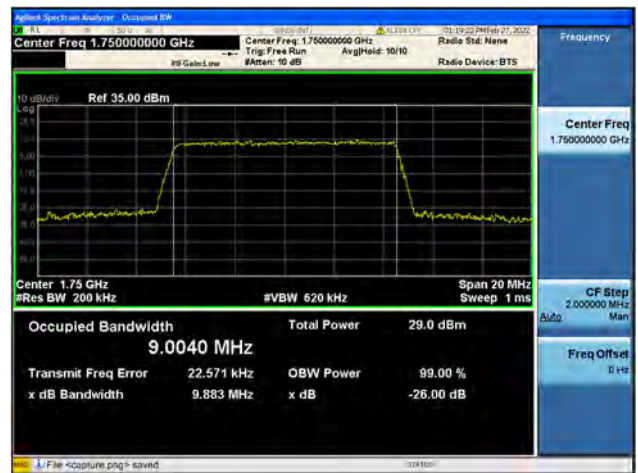
Band4 / 10MHz / Mid CH / 16QAM



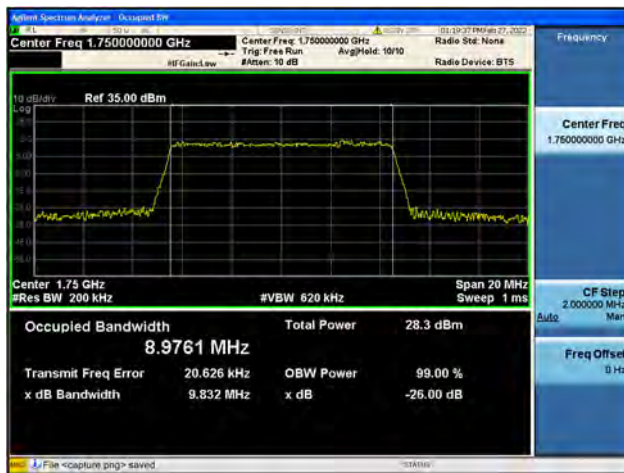
Band4 / 10MHz / Mid CH / 64QAM



Band4 / 10MHz / High CH / QPSK



Band4 / 10MHz / High CH / 16QAM



Band4 / 10MHz / High CH / 64QAM





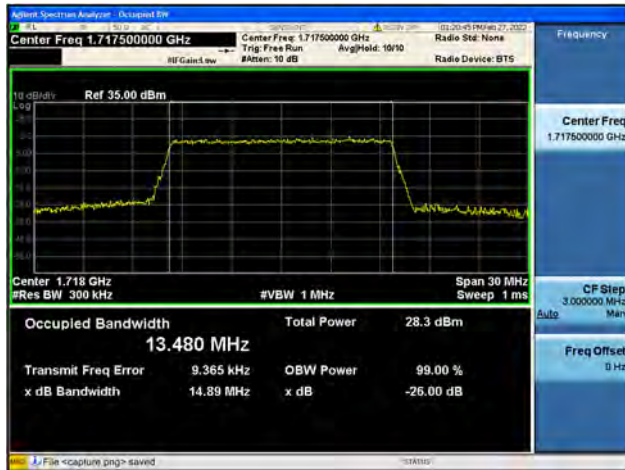
Band4 / 15MHz / Low CH / QPSK



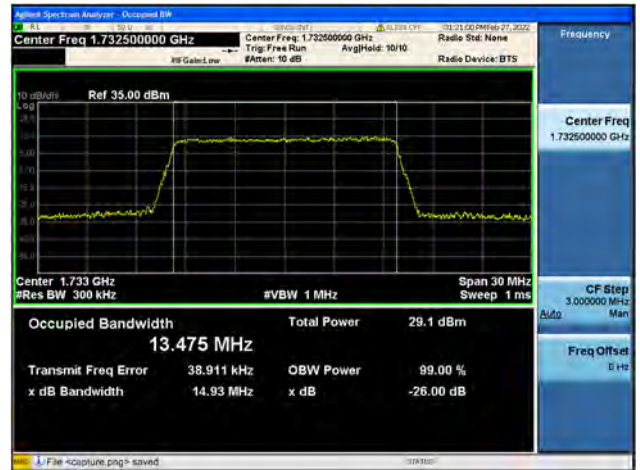
Band4 / 15MHz / Low CH / 16QAM



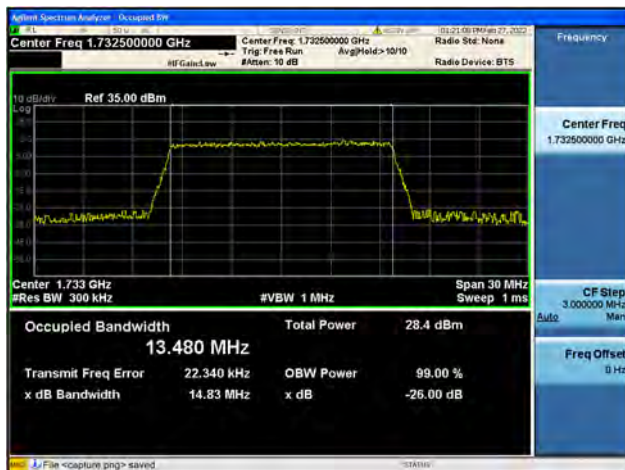
Band4 / 15MHz / Low CH / 64QAM



Band4 / 15MHz / Mid CH / QPSK



Band4 / 15MHz / Mid CH / 16QAM



Band4 / 15MHz / Mid CH / 64QAM

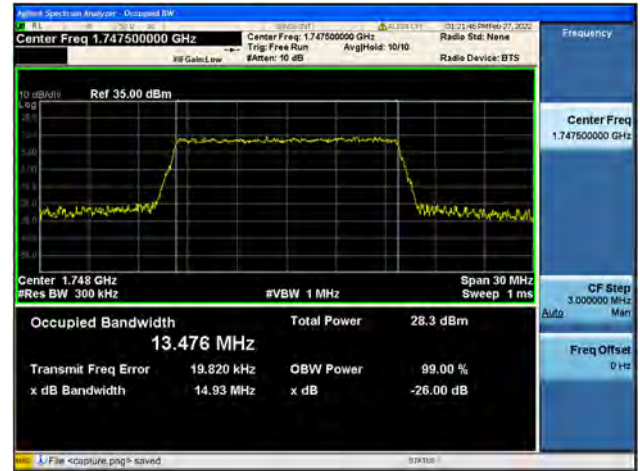




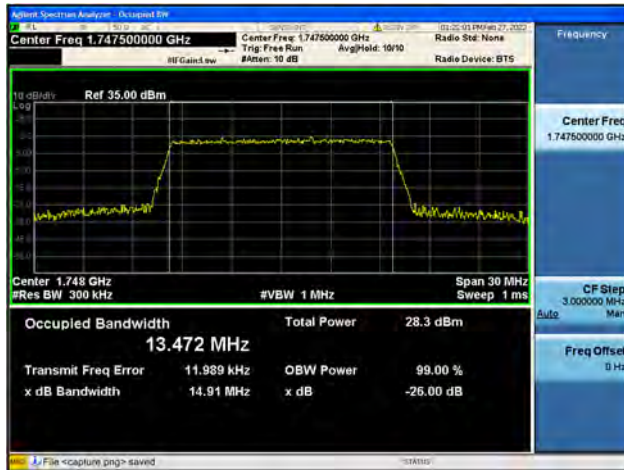
Band4 / 15MHz / High CH / QPSK



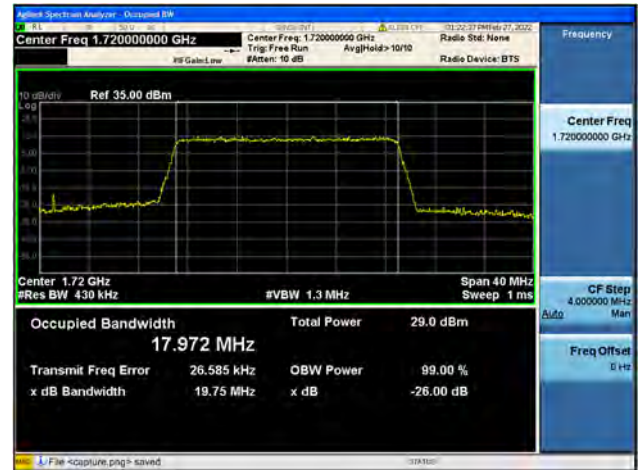
Band4 / 15MHz / High CH / 16QAM



Band4 / 15MHz / High CH / 64QAM



Band4 / 20MHz / Low CH / QPSK



Band4 / 20MHz / Low CH / 16QAM

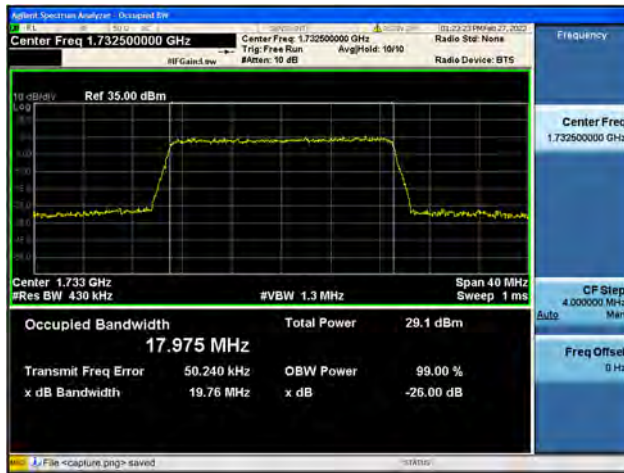


Band4 / 20MHz / Low CH / 64QAM

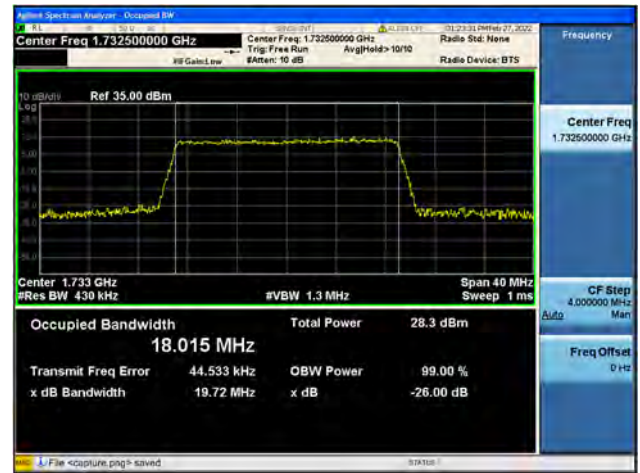




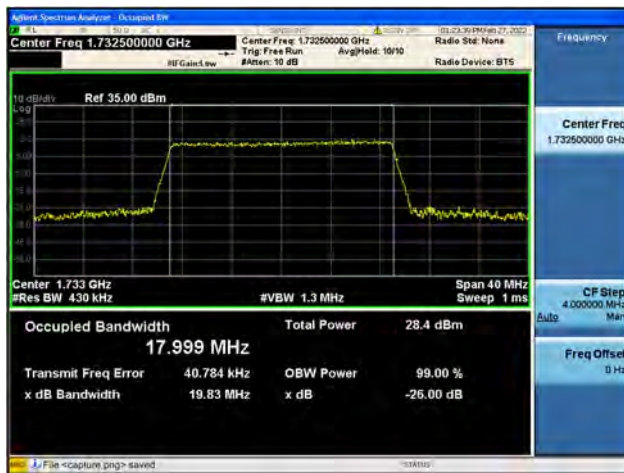
Band4 / 20MHz / Mid CH / QPSK



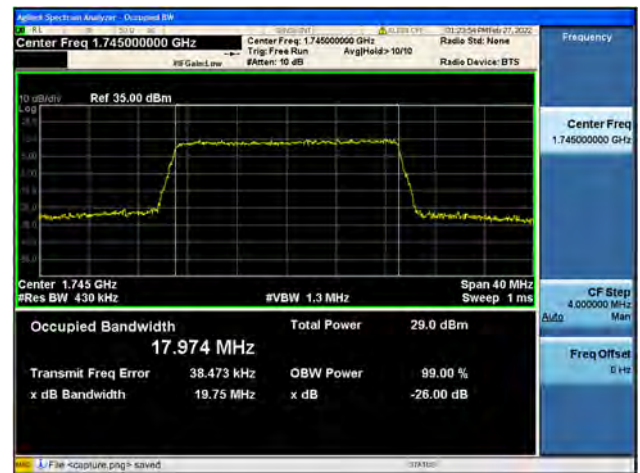
Band4 / 20MHz / Mid CH / 16QAM



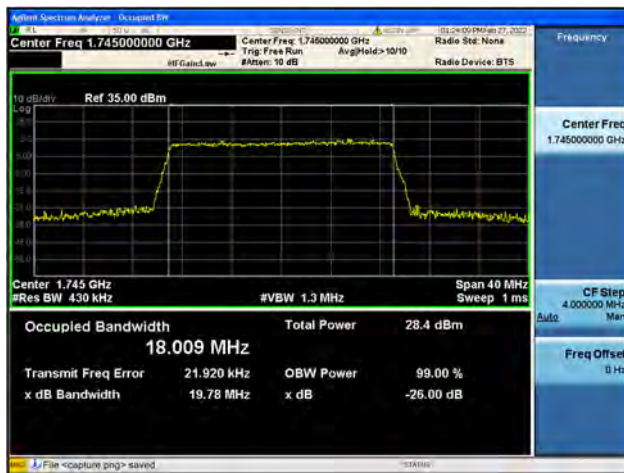
Band4 / 20MHz / Mid CH / 64QAM



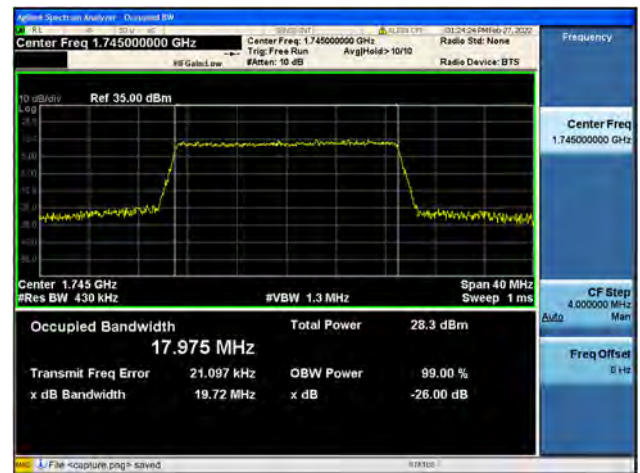
Band4 / 20MHz / High CH / QPSK



Band4 / 20MHz / High CH / 16QAM

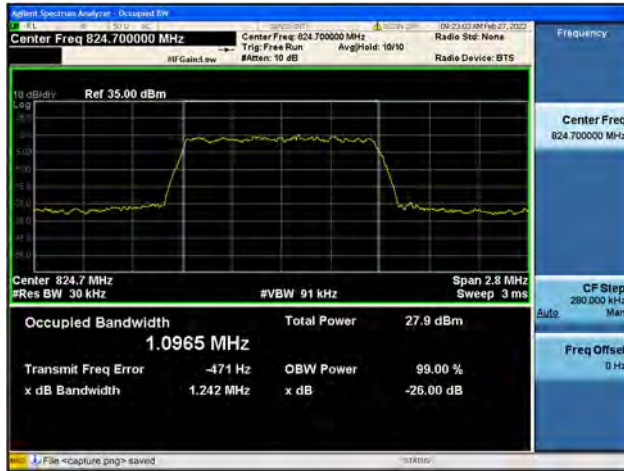


Band4 / 20MHz / High CH / 64QAM





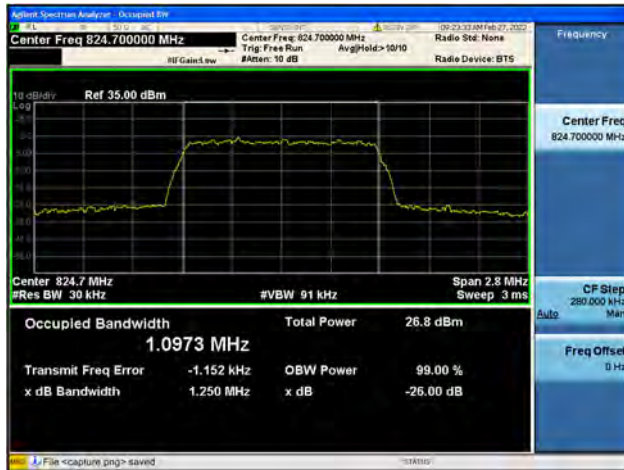
Band5 / 1.4MHz / Low CH / QPSK



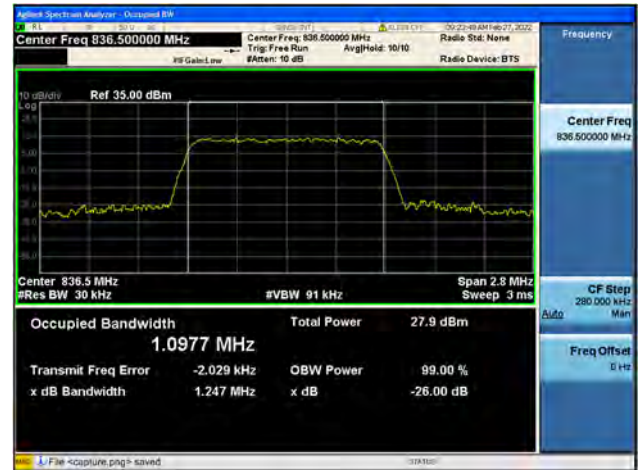
Band5 / 1.4MHz / Low CH / 16QAM



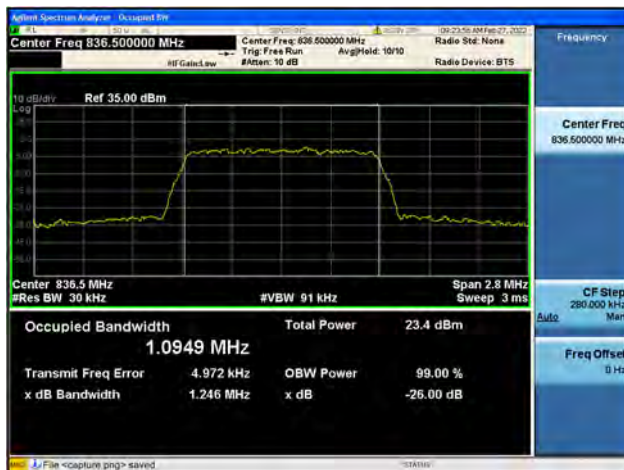
Band5 / 1.4MHz / Low CH / 64QAM



Band5 / 1.4MHz / Mid CH / QPSK



Band5 / 1.4MHz / Mid CH / 16QAM

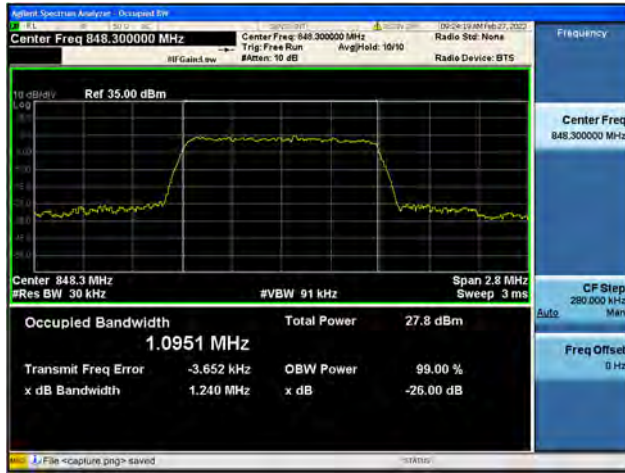


Band5 / 1.4MHz / Mid CH / 64QAM





Band5 / 1.4MHz / High CH / QPSK



Band5 / 1.4MHz / High CH / 16QAM



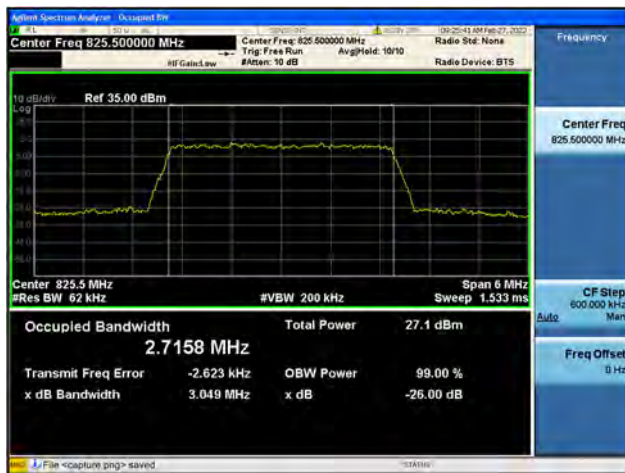
Band5 / 1.4MHz / High CH / 64QAM



Band5 / 3MHz / Low CH / QPSK



Band5 / 3MHz / Low CH / 16QAM



Band5 / 3MHz / Low CH / 64QAM

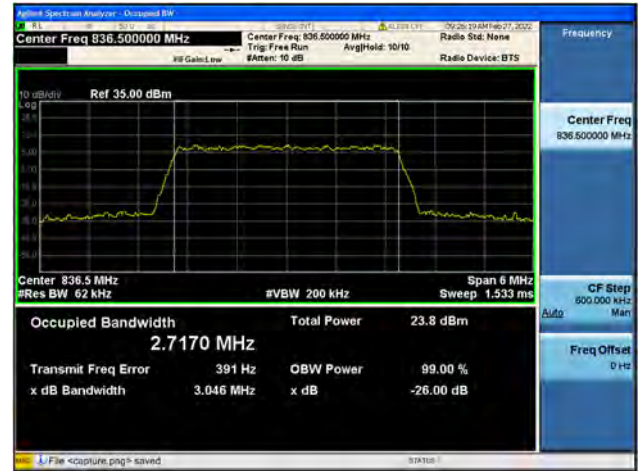




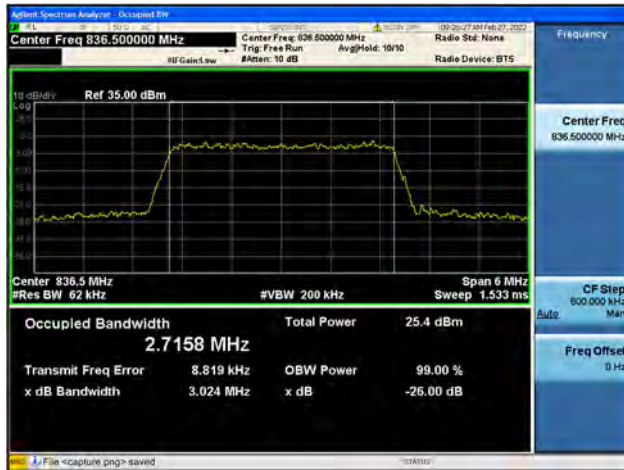
Band5 / 3MHz / Mid CH / QPSK



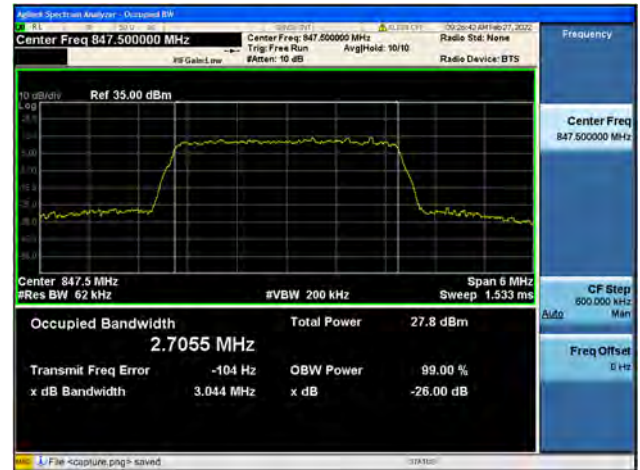
Band5 / 3MHz / Mid CH / 16QAM



Band5 / 3MHz / Mid CH / 64QAM



Band5 / 3MHz / High CH / QPSK



Band5 / 3MHz / High CH / 16QAM

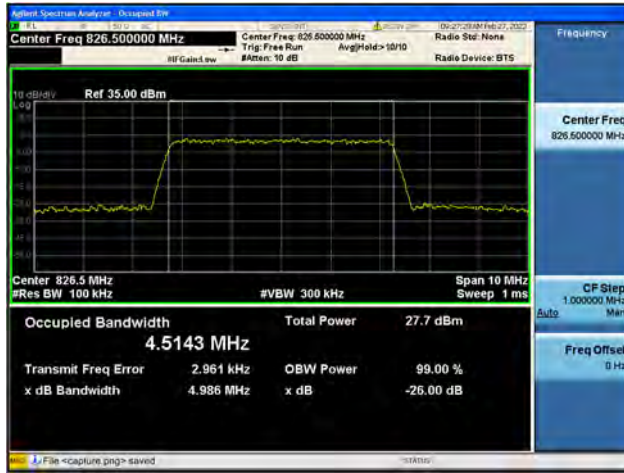


Band5 / 3MHz / High CH / 64QAM





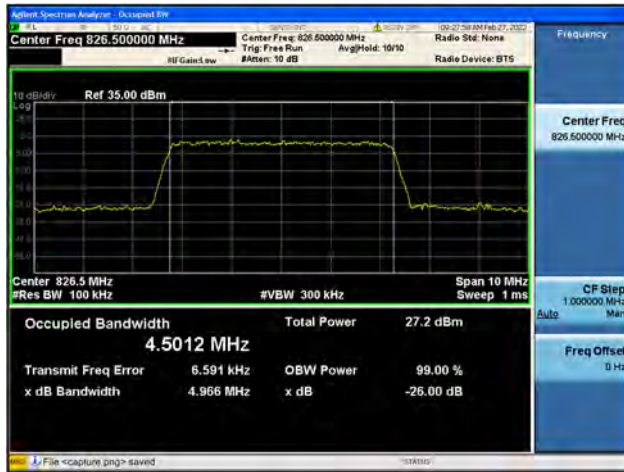
Band5 / 5MHz / Low CH / QPSK



Band5 / 5MHz / Low CH / 16QAM



Band5 / 5MHz / Low CH / 64QAM



Band5 / 5MHz / Mid CH / QPSK



Band5 / 5MHz / Mid CH / 16QAM

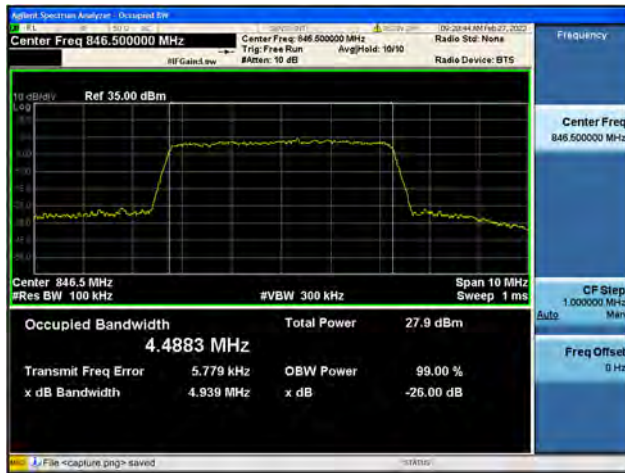


Band5 / 5MHz / Mid CH / 64QAM





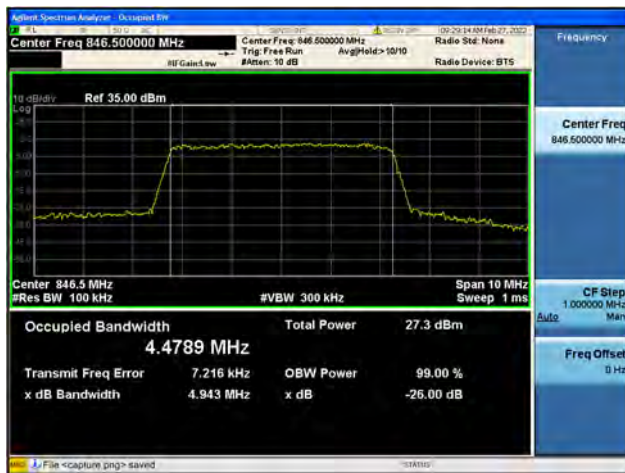
Band5 / 5MHz / High CH / QPSK



Band5 / 5MHz / High CH / 16QAM



Band5 / 5MHz / High CH / 64QAM



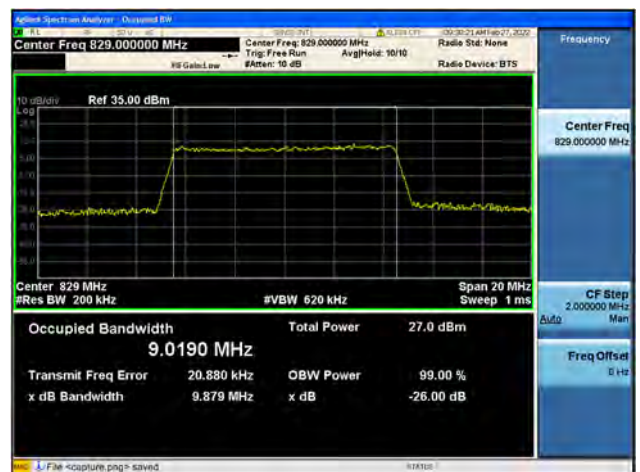
Band5 / 10MHz / Low CH / QPSK



Band5 / 10MHz / Low CH / 16QAM

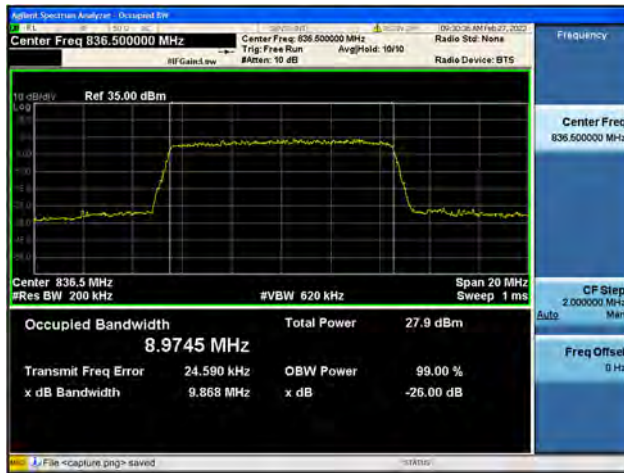


Band5 / 10MHz / Low CH / 64QAM





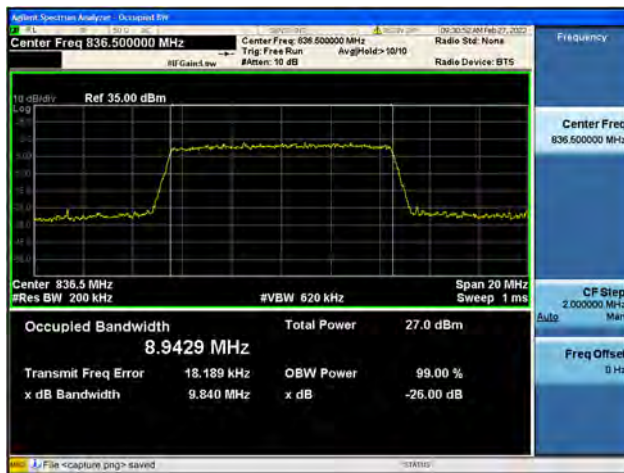
Band5 / 10MHz / Mid CH / QPSK



Band5 / 10MHz / Mid CH / 16QAM



Band5 / 10MHz / Mid CH / 64QAM



Band5 / 10MHz / High CH / QPSK



Band5 / 10MHz / High CH / 16QAM

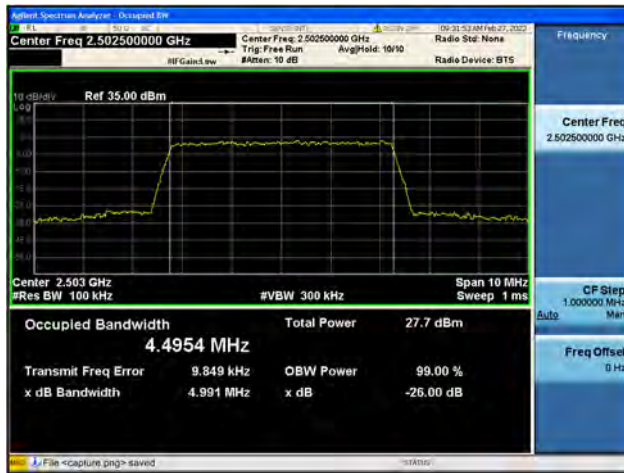


Band5 / 10MHz / High CH / 64QAM

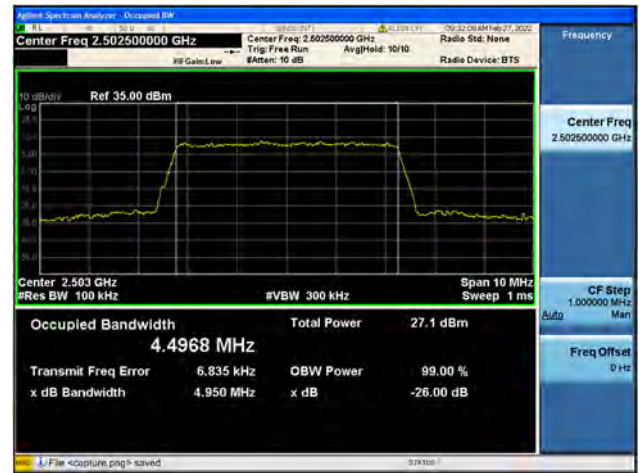




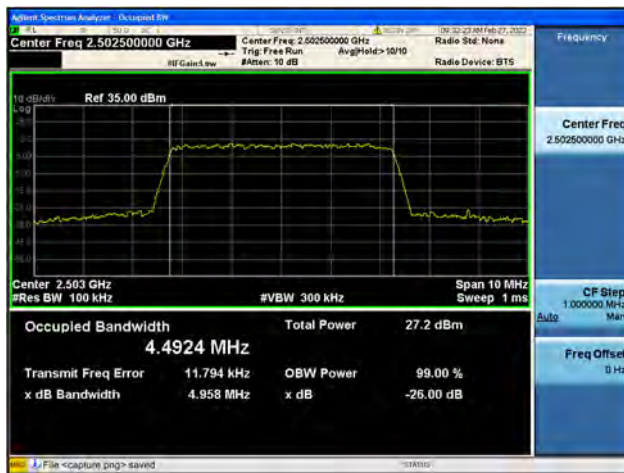
Band7 / 5MHz / Low CH / QPSK



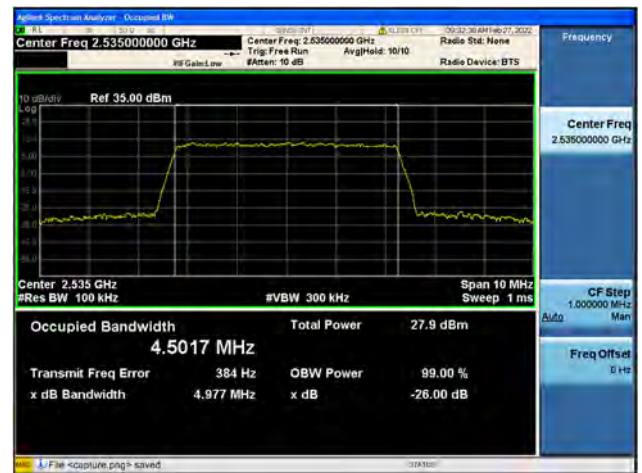
Band7 / 5MHz / Low CH / 16QAM



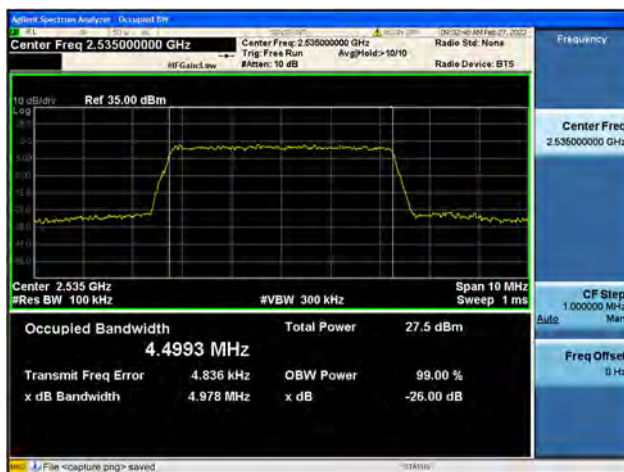
Band7 / 5MHz / Low CH / 64QAM



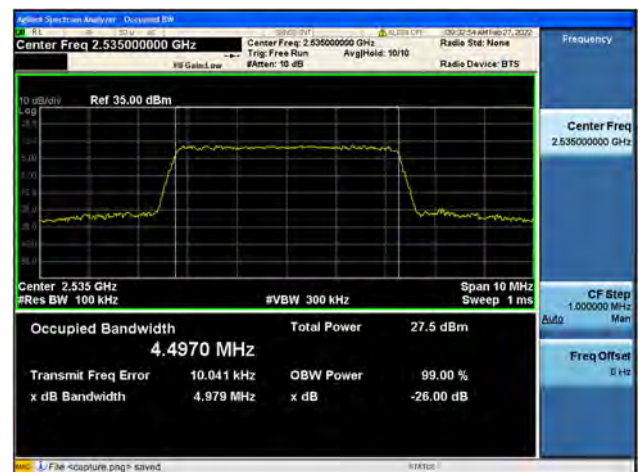
Band7 / 5MHz / Mid CH / QPSK



Band7 / 5MHz / Mid CH / 16QAM



Band7 / 5MHz / Mid CH / 64QAM





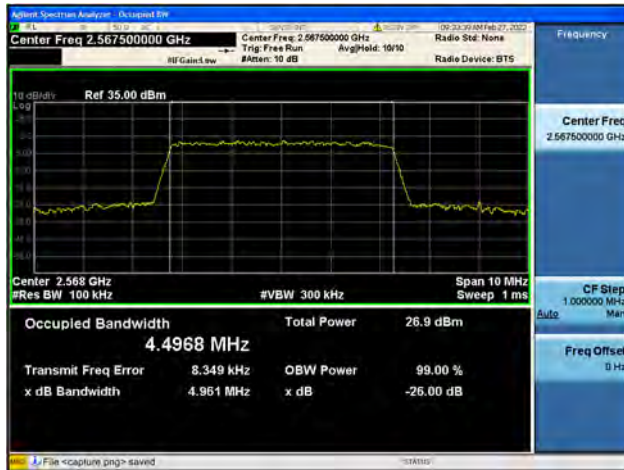
Band7 / 5MHz / High CH / QPSK



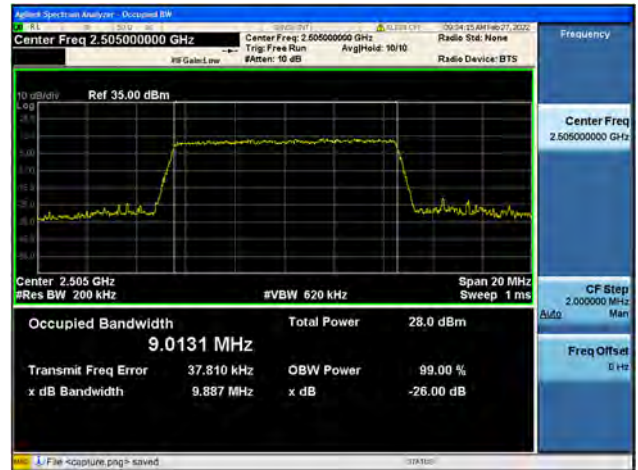
Band7 / 5MHz / High CH / 16QAM



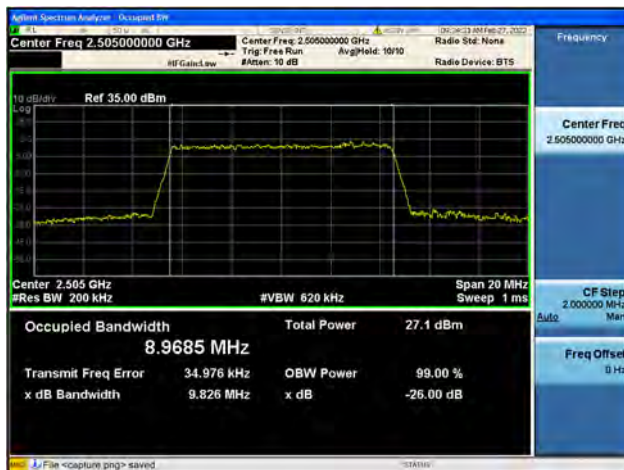
Band7 / 5MHz / High CH / 64QAM



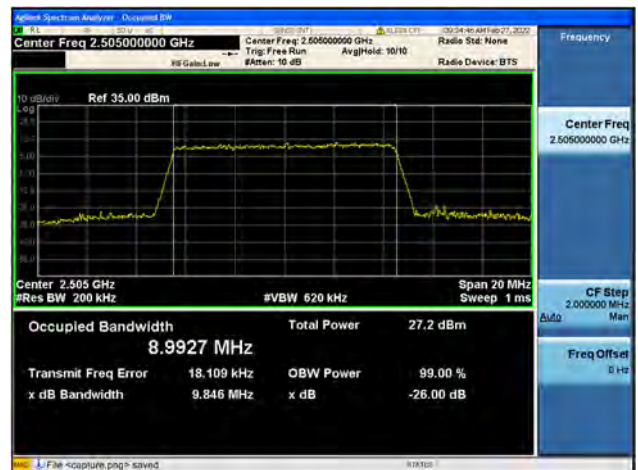
Band7 / 10MHz / Low CH / QPSK



Band7 / 10MHz / Low CH / 16QAM



Band7 / 10MHz / Low CH / 64QAM

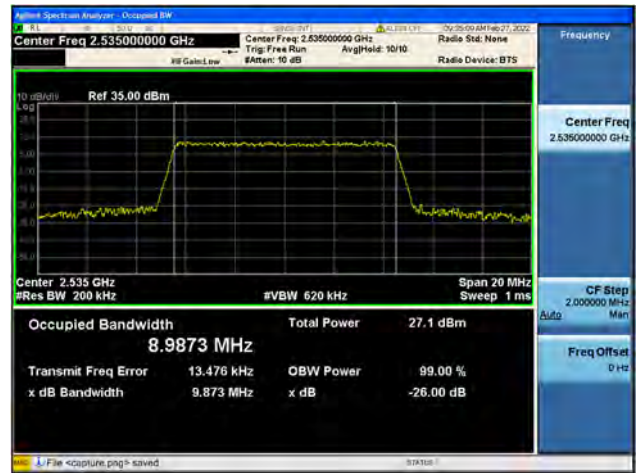




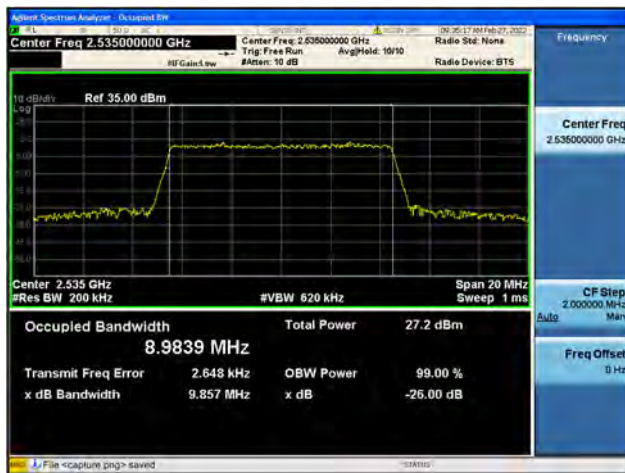
Band7 / 10MHz / Mid CH / QPSK



Band7 / 10MHz / Mid CH / 16QAM



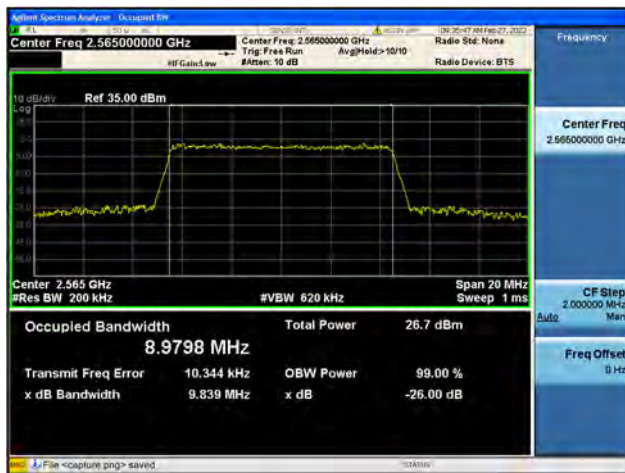
Band7 / 10MHz / Mid CH / 64QAM



Band7 / 10MHz / High CH / QPSK



Band7 / 10MHz / High CH / 16QAM

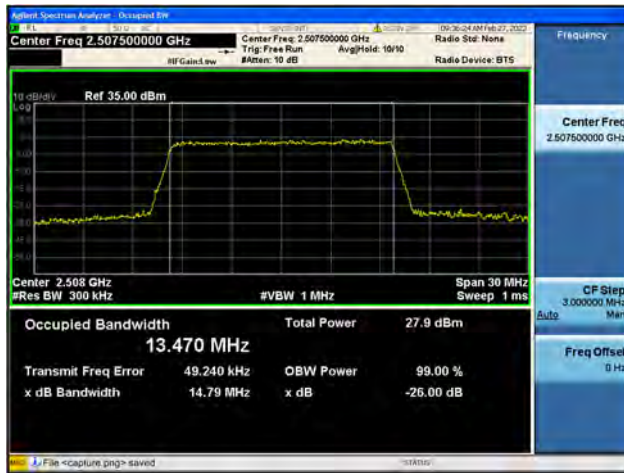


Band7 / 10MHz / High CH / 64QAM

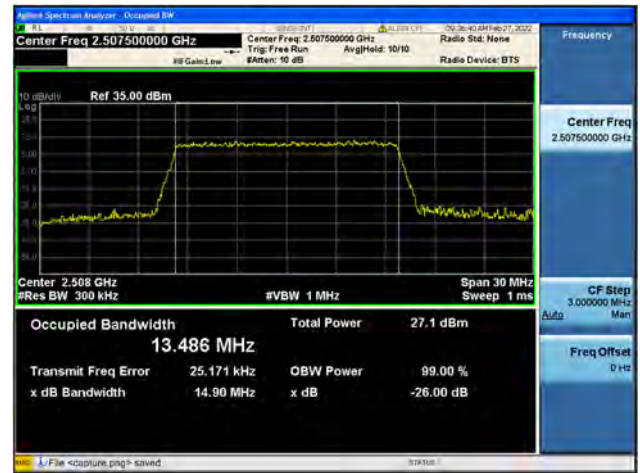




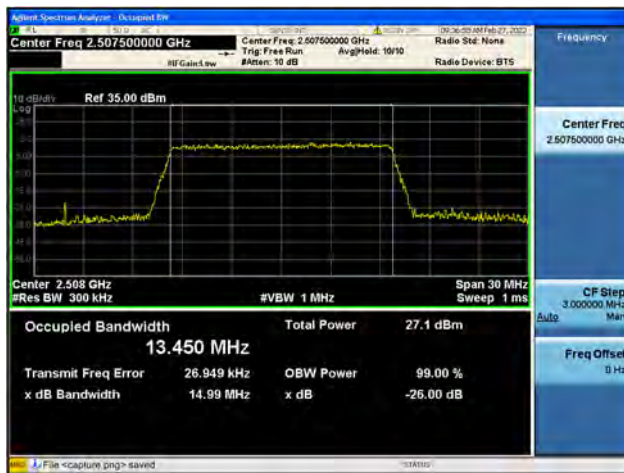
Band7 / 15MHz / Low CH / QPSK



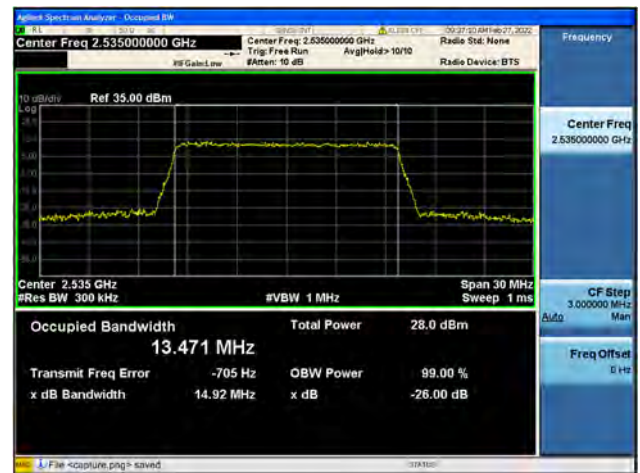
Band7 / 15MHz / Low CH / 16QAM



Band7 / 15MHz / Low CH / 64QAM



Band7 / 15MHz / Mid CH / QPSK



Band7 / 15MHz / Mid CH / 16QAM

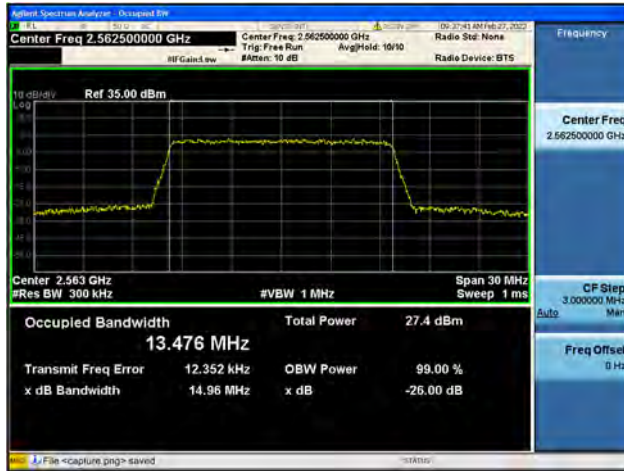


Band7 / 15MHz / Mid CH / 64QAM

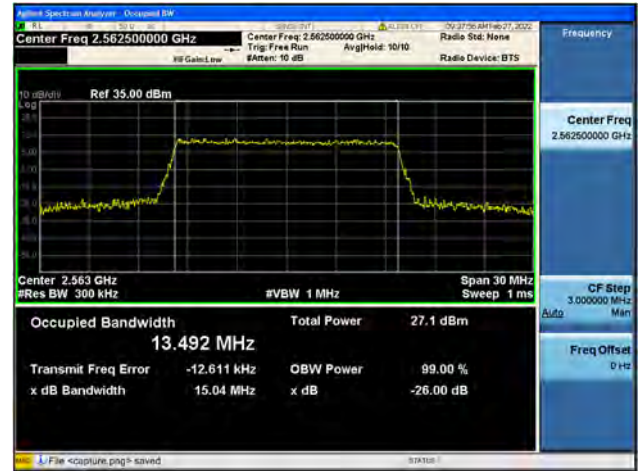




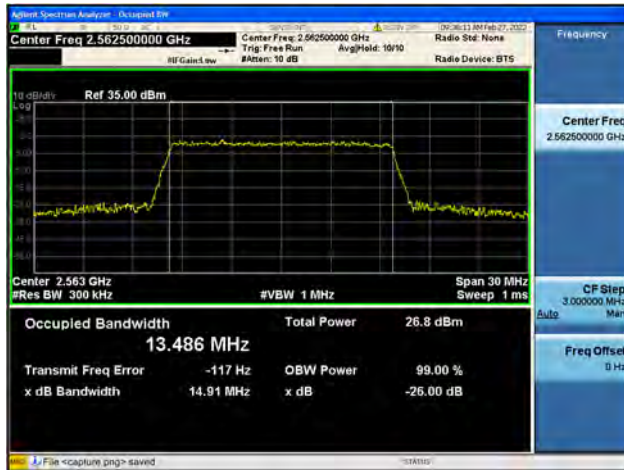
Band7 / 15MHz / High CH / QPSK



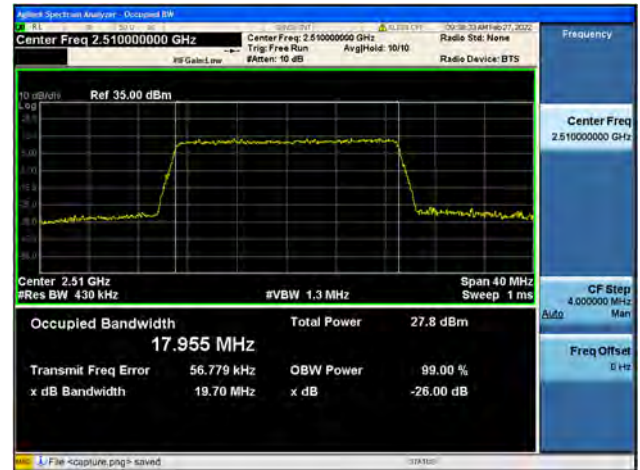
Band7 / 15MHz / High CH / 16QAM



Band7 / 15MHz / High CH / 64QAM



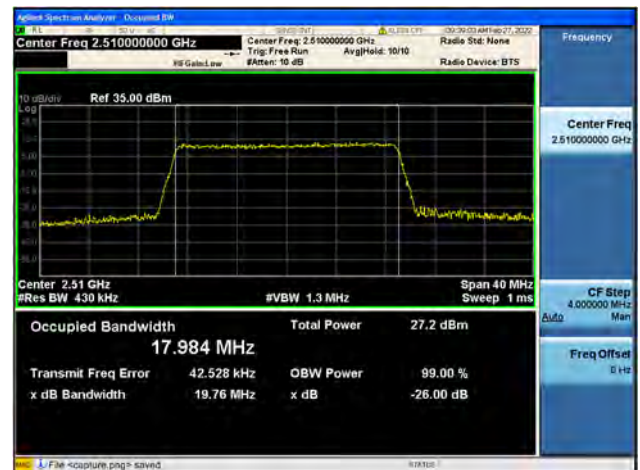
Band7 / 20MHz / Low CH / QPSK



Band7 / 20MHz / Low CH / 16QAM

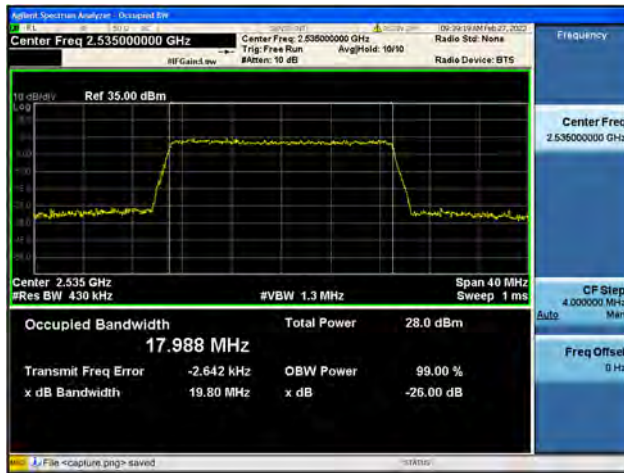


Band7 / 20MHz / Low CH / 64QAM

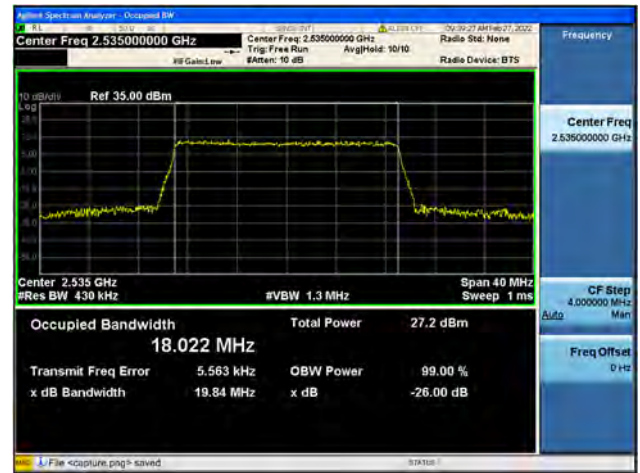




Band7 / 20MHz / Mid CH / QPSK



Band7 / 20MHz / Mid CH / 16QAM



Band7 / 20MHz / Mid CH / 64QAM



Band7 / 20MHz / High CH / QPSK



Band7 / 20MHz / High CH / 16QAM

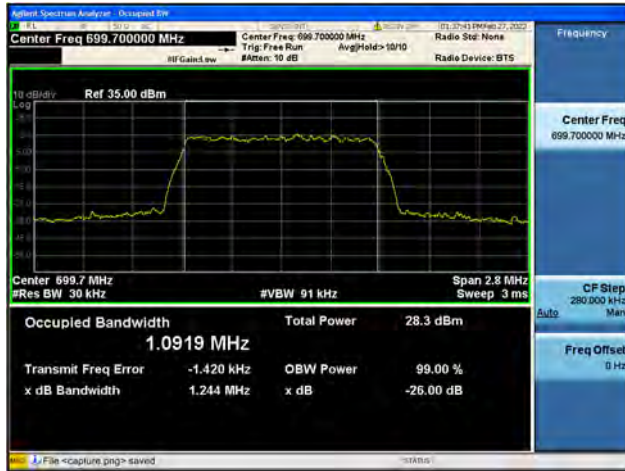


Band7 / 20MHz / High CH / 64QAM

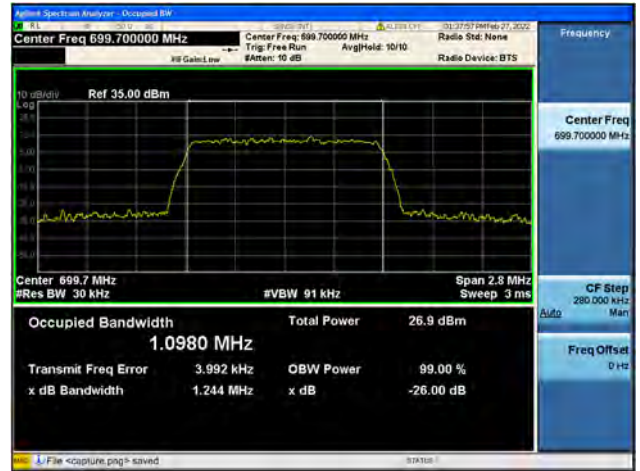




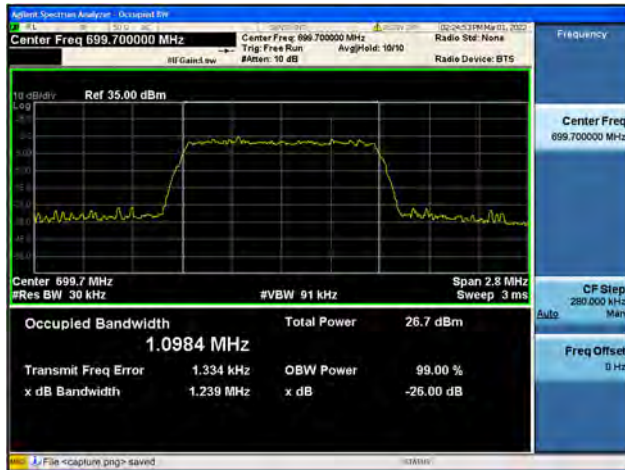
Band12 / 1.4MHz / Low CH / QPSK



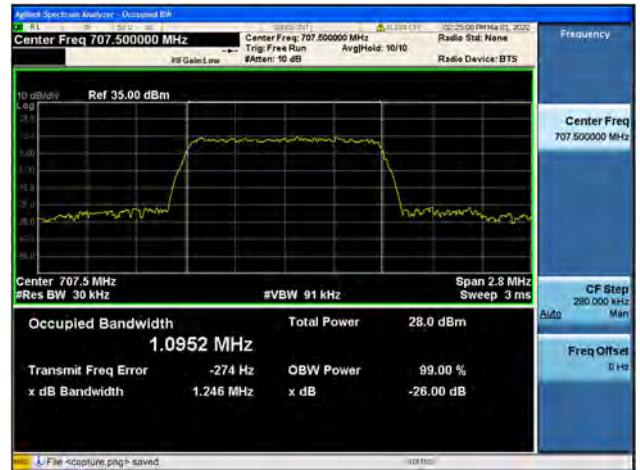
Band12 / 1.4MHz / Low CH / 16QAM



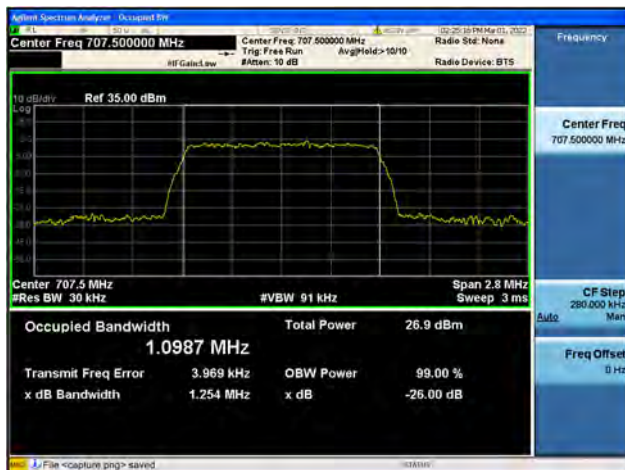
Band12 / 1.4MHz / Low CH / 64QAM



Band12 / 1.4MHz / Mid CH / QPSK

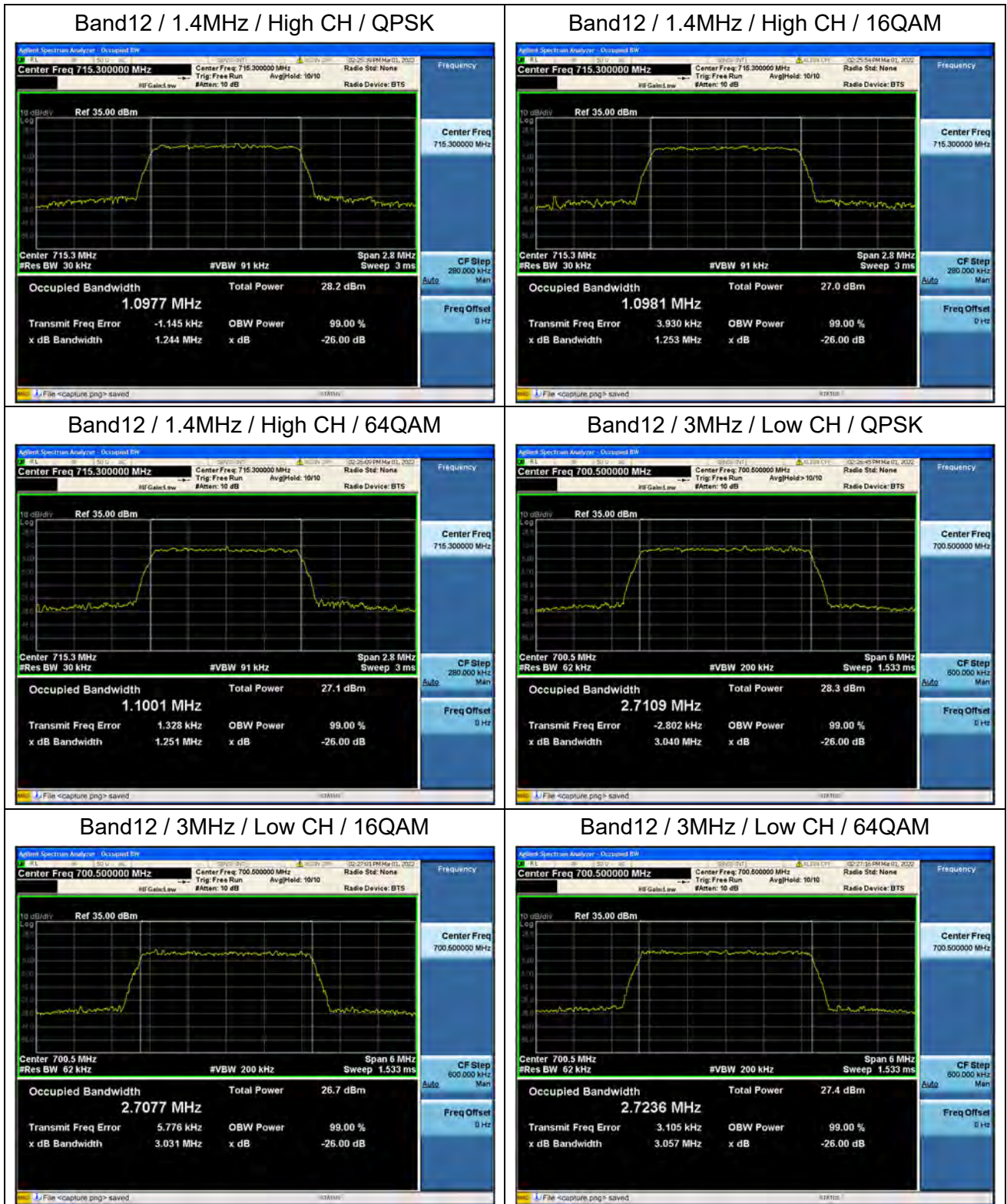


Band12 / 1.4MHz / Mid CH / 16QAM



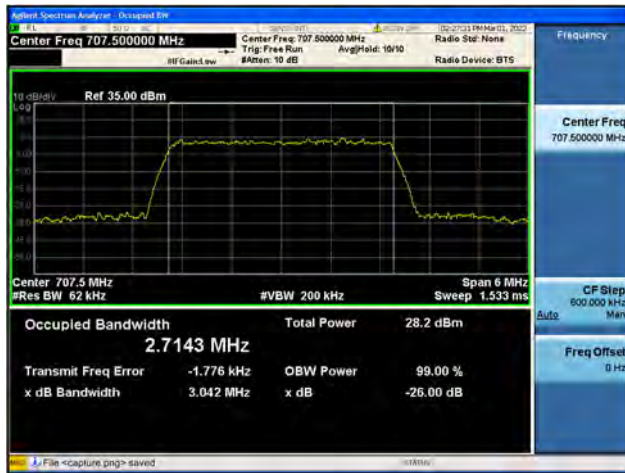
Band12 / 1.4MHz / Mid CH / 64QAM







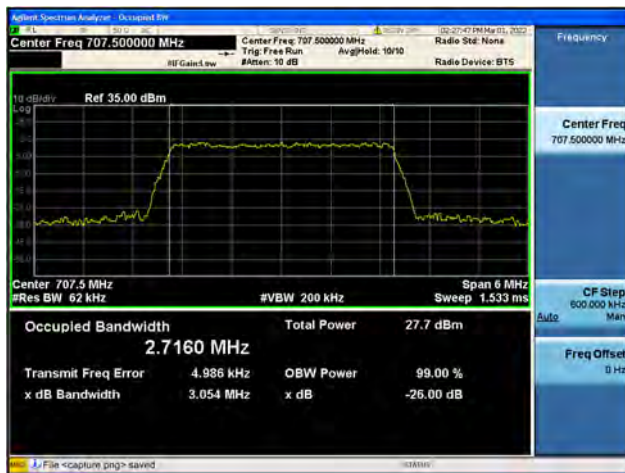
Band12 / 3MHz / Mid CH / QPSK



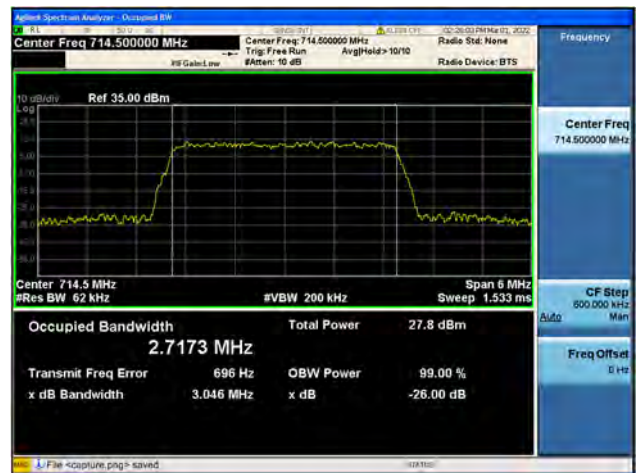
Band12 / 3MHz / Mid CH / 16QAM



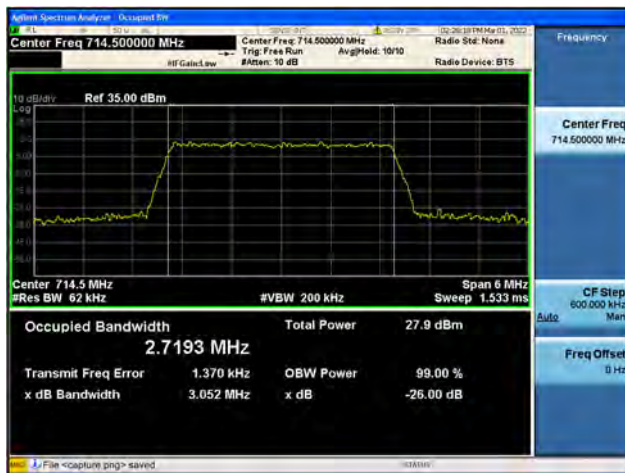
Band12 / 3MHz / Mid CH / 64QAM



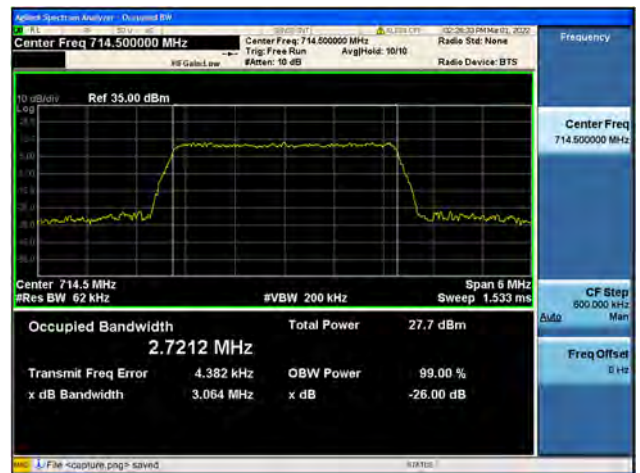
Band12 / 3MHz / High CH / QPSK



Band12 / 3MHz / High CH / 16QAM

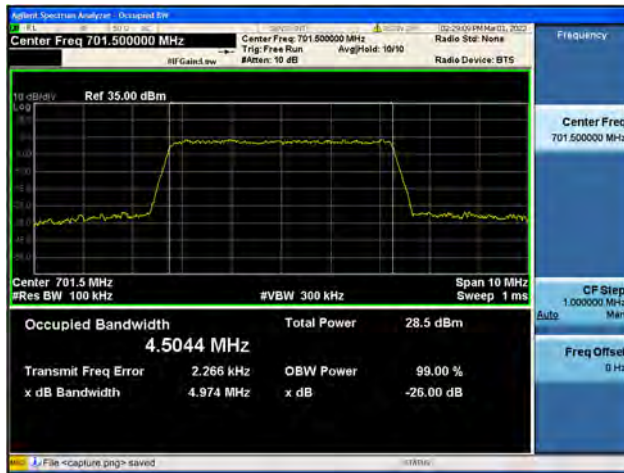


Band12 / 3MHz / High CH / 64QAM

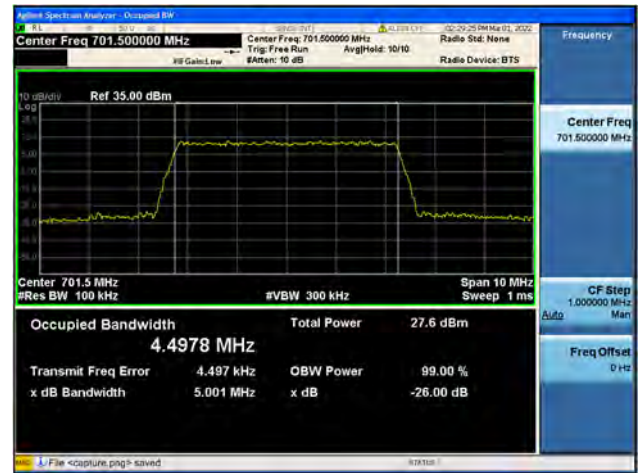




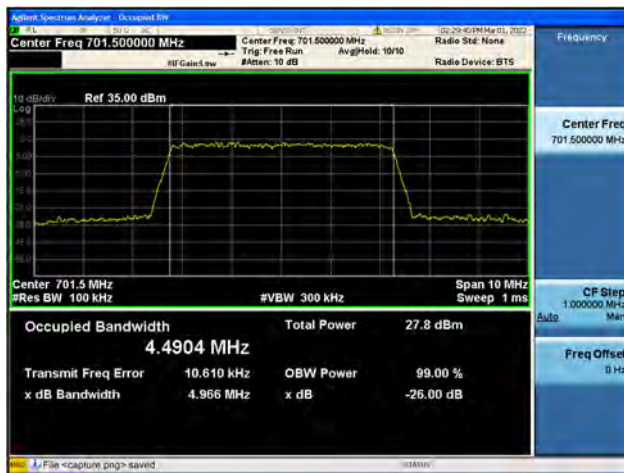
Band12 / 5MHz / Low CH / QPSK



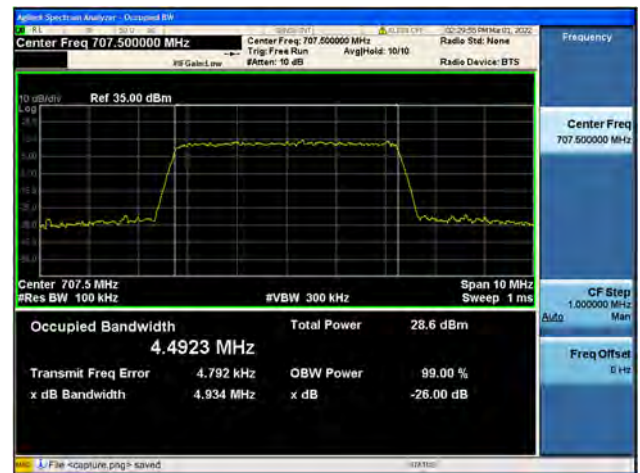
Band12 / 5MHz / Low CH / 16QAM



Band12 / 5MHz / Low CH / 64QAM



Band12 / 5MHz / Mid CH / QPSK



Band12 / 5MHz / Mid CH / 16QAM

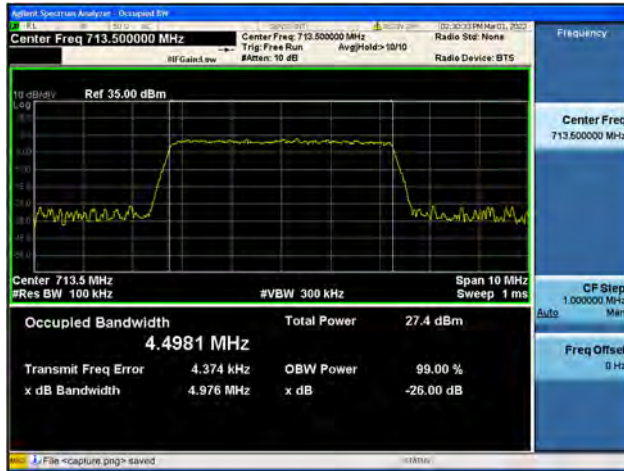


Band12 / 5MHz / Mid CH / 64QAM





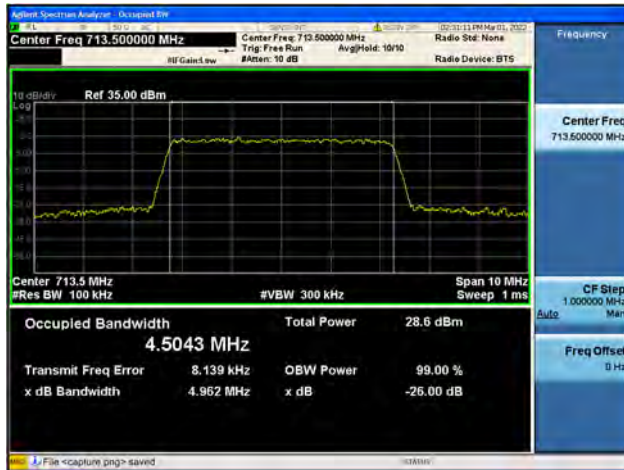
Band12 / 5MHz / High CH / QPSK



Band12 / 5MHz / High CH / 16QAM



Band12 / 5MHz / High CH / 64QAM



Band12 / 10MHz / Low CH / QPSK



Band12 / 10MHz / Low CH / 16QAM



Band12 / 10MHz / Low CH / 64QAM

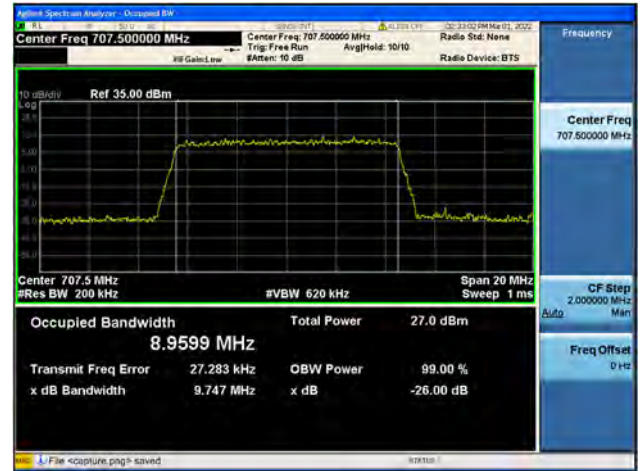




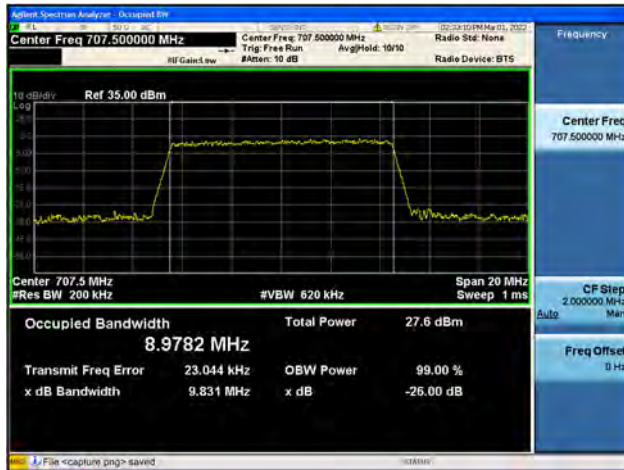
Band12 / 10MHz / Mid CH / QPSK



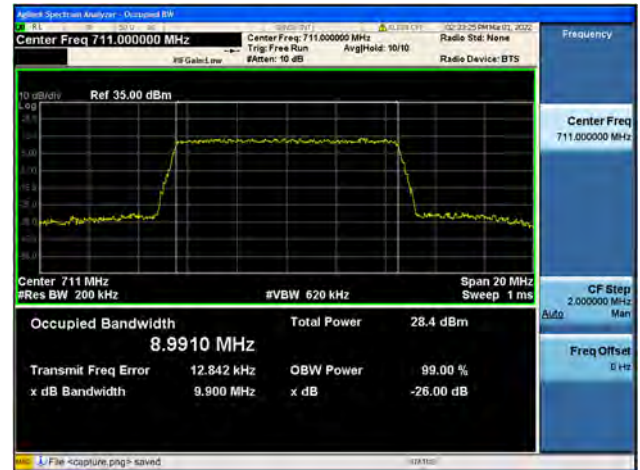
Band12 / 10MHz / Mid CH / 16QAM



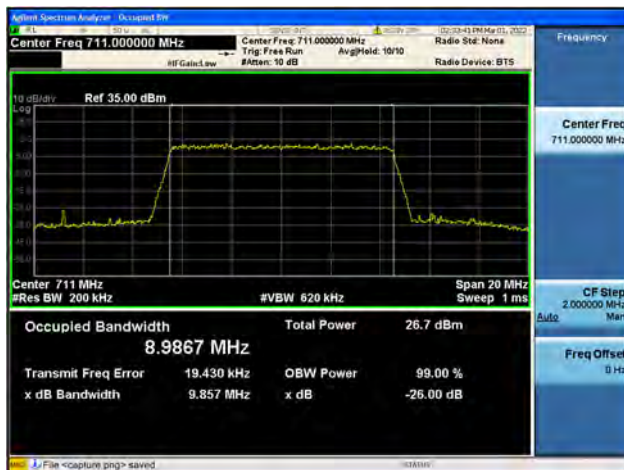
Band12 / 10MHz / Mid CH / 64QAM



Band12 / 10MHz / High CH / QPSK



Band12 / 10MHz / High CH / 16QAM

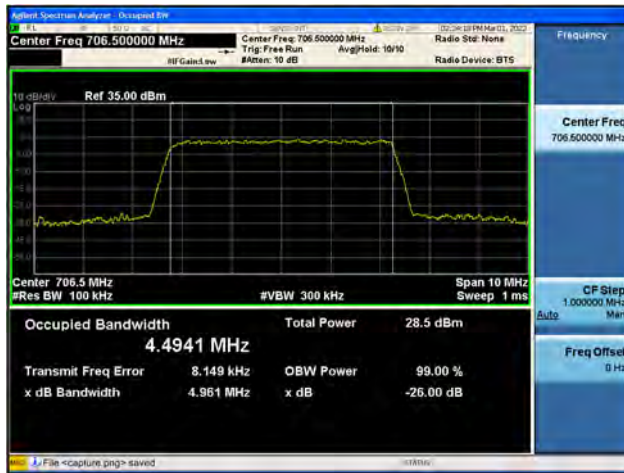


Band12 / 10MHz / High CH / 64QAM

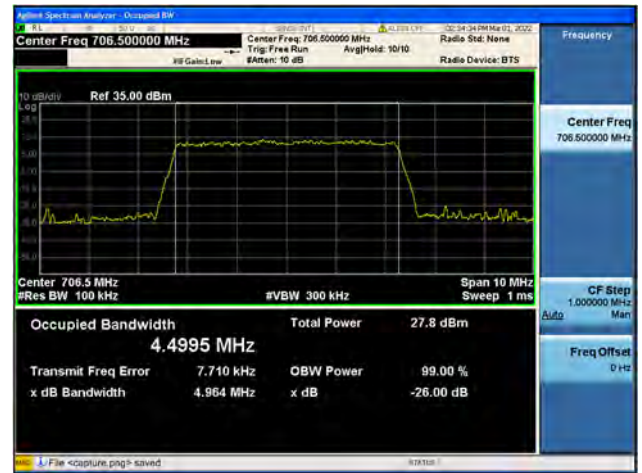




Band17 / 5MHz / Low CH / QPSK



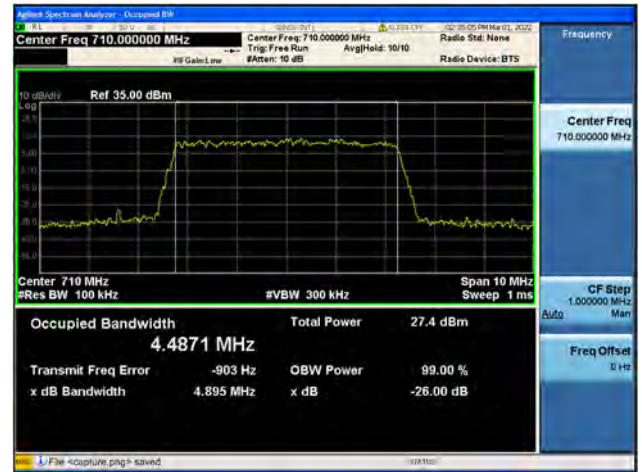
Band17 / 5MHz / Low CH / 16QAM



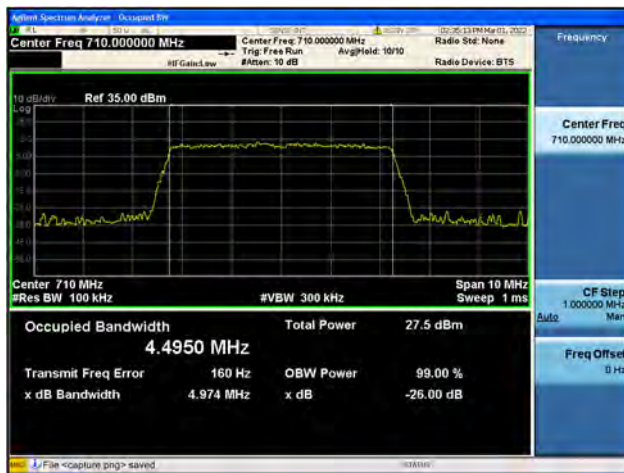
Band17 / 5MHz / Low CH / 64QAM



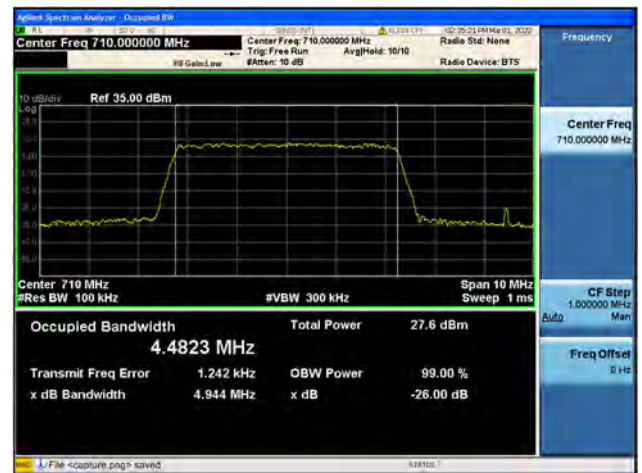
Band17 / 5MHz / Mid CH / QPSK



Band17 / 5MHz / Mid CH / 16QAM

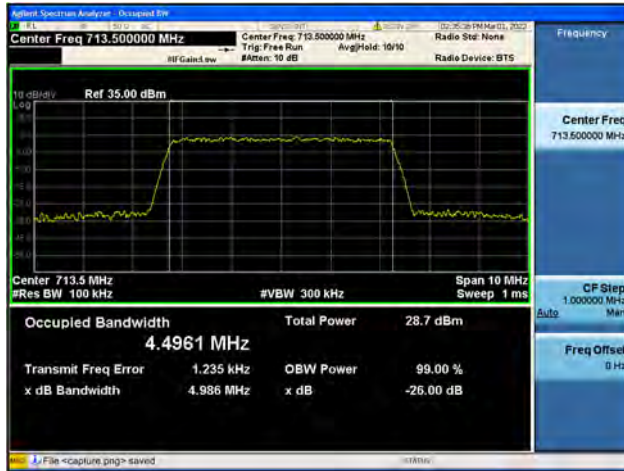


Band17 / 5MHz / Mid CH / 64QAM

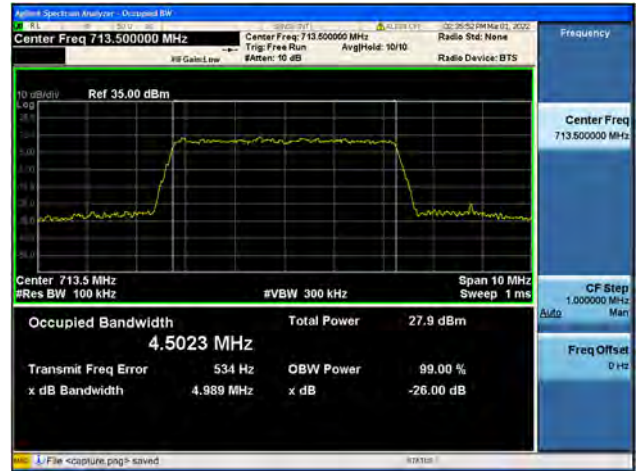




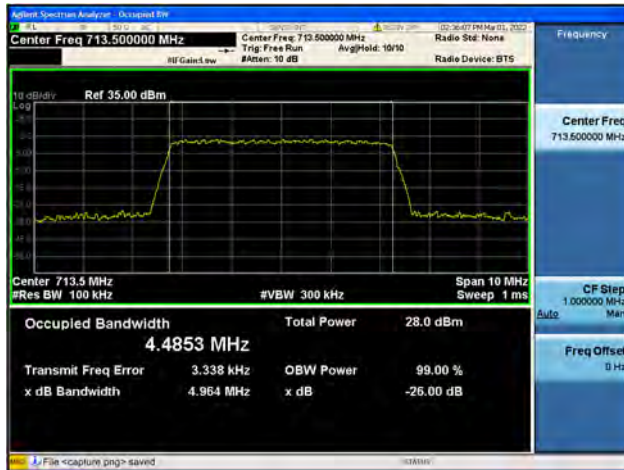
Band17 / 5MHz / High CH / QPSK



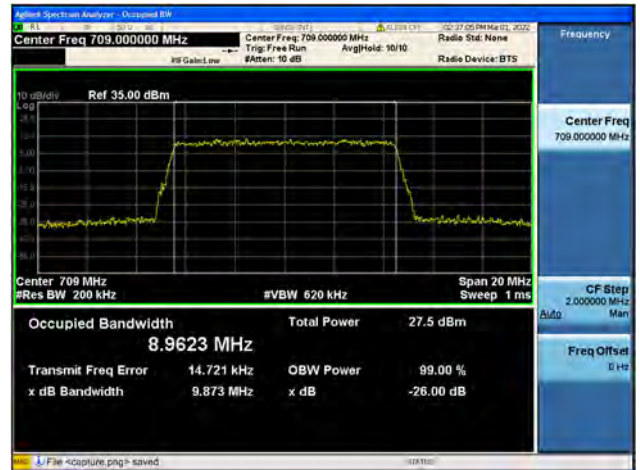
Band17 / 5MHz / High CH / 16QAM



Band17 / 5MHz / High CH / 64QAM



Band17 / 10MHz / Low CH / QPSK



Band17 / 10MHz / Low CH / 16QAM



Band17 / 10MHz / Low CH / 64QAM

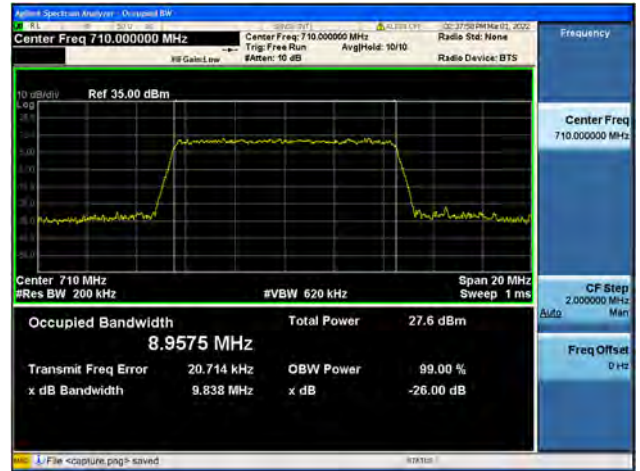




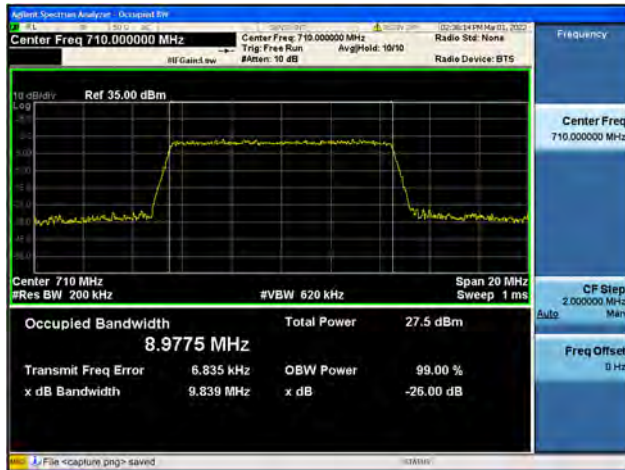
Band17 / 10MHz / Mid CH / QPSK



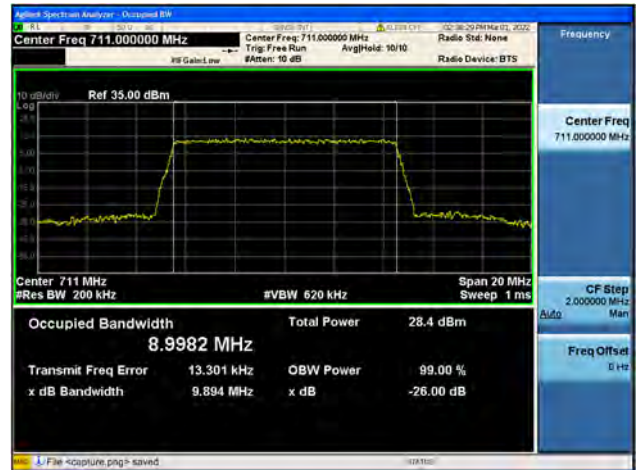
Band17 / 10MHz / Mid CH / 16QAM



Band17 / 10MHz / Mid CH / 64QAM



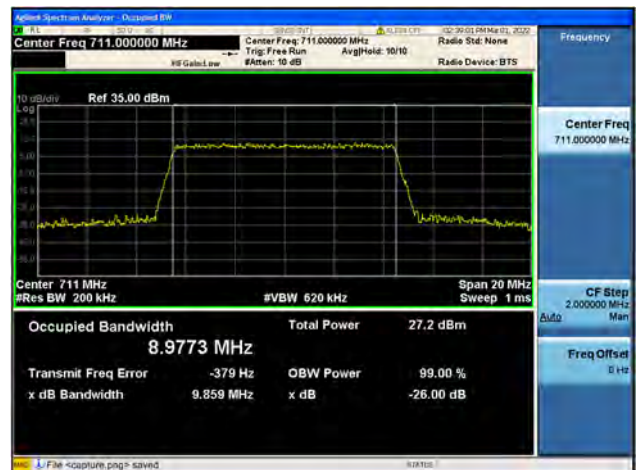
Band17 / 10MHz / High CH / QPSK

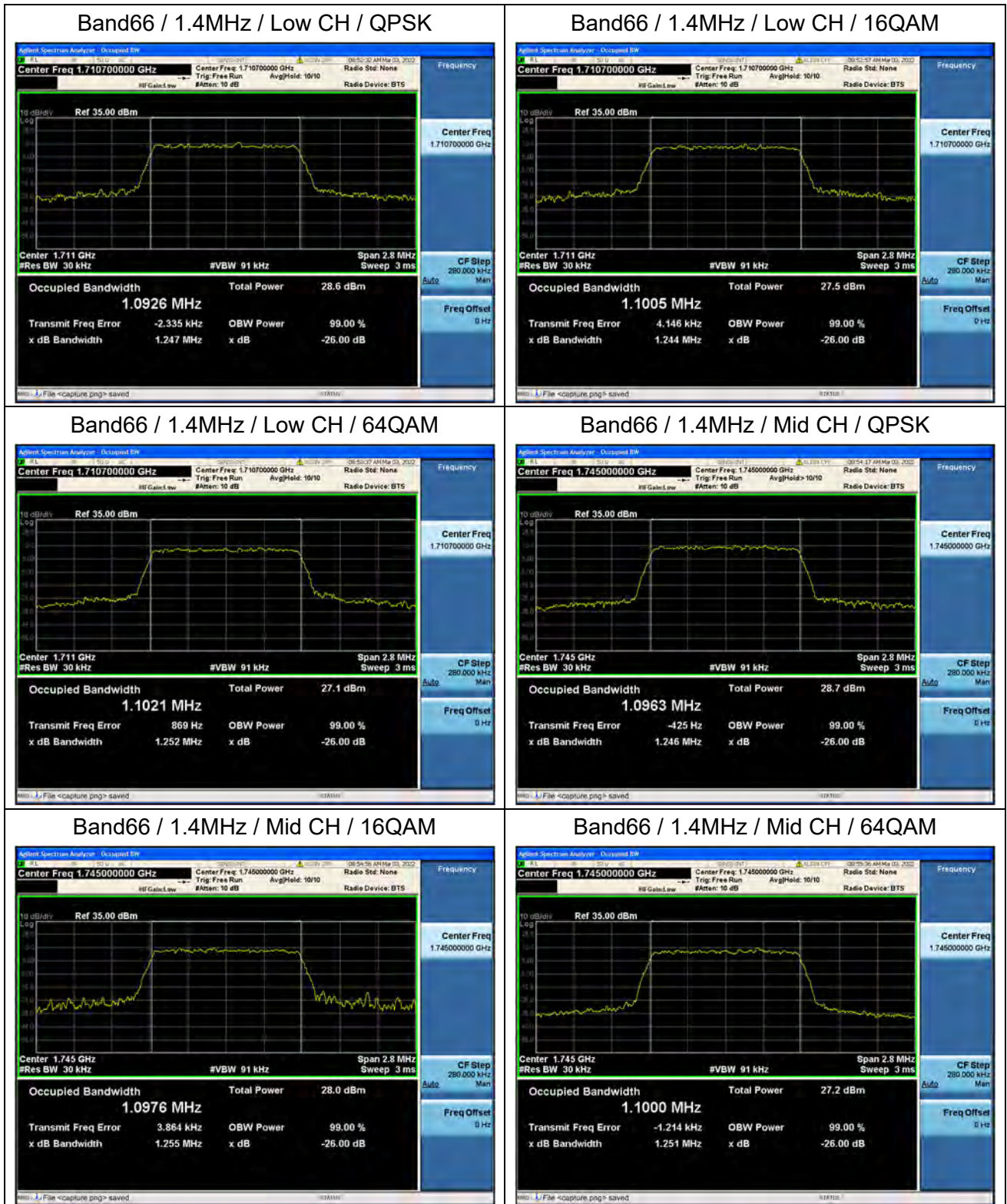


Band17 / 10MHz / High CH / 16QAM



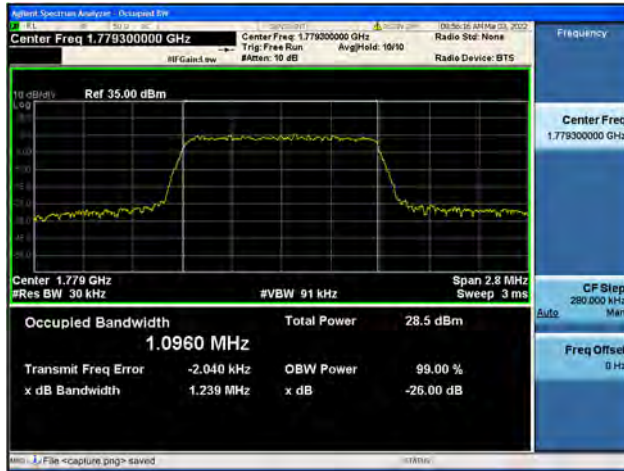
Band17 / 10MHz / High CH / 64QAM



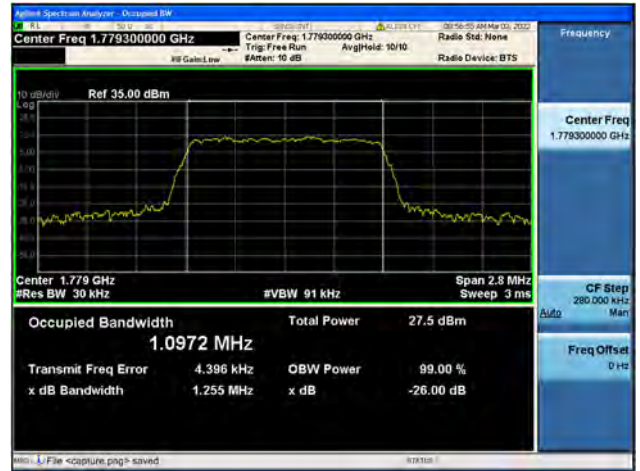




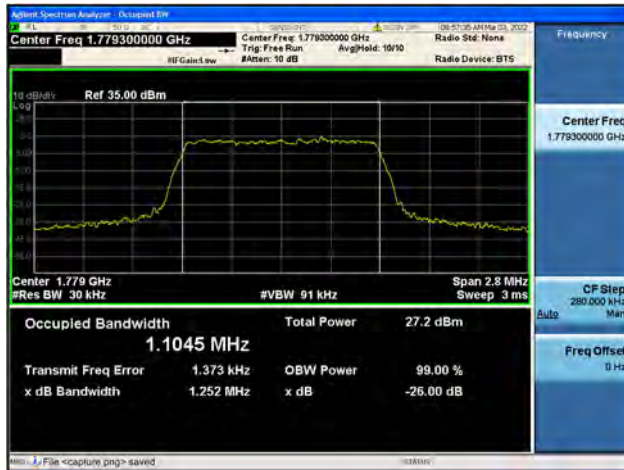
Band66 / 1.4MHz / High CH / QPSK



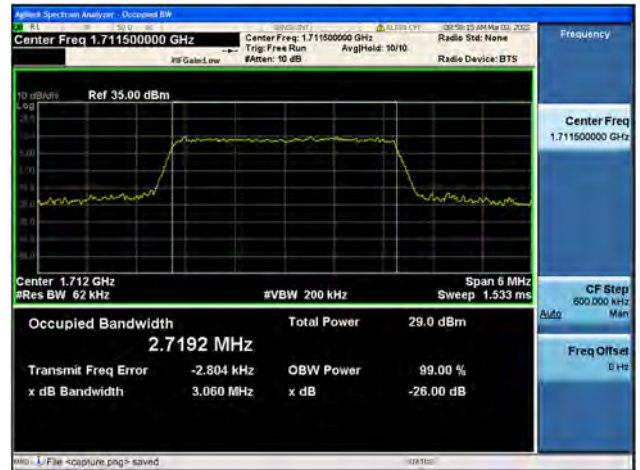
Band66 / 1.4MHz / High CH / 16QAM



Band66 / 1.4MHz / High CH / 64QAM



Band66 / 3MHz / Low CH / QPSK



Band66 / 3MHz / Low CH / 16QAM

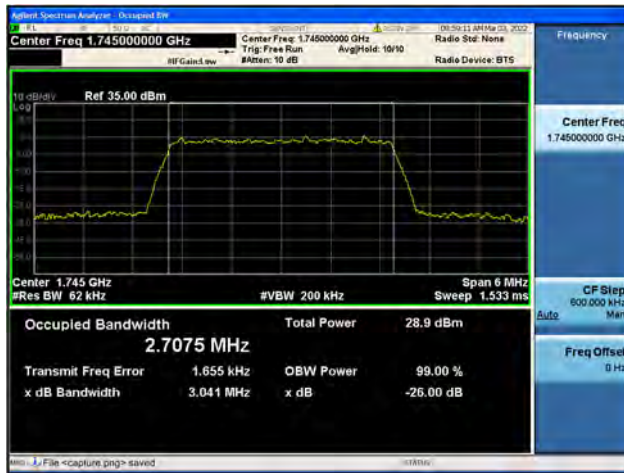


Band66 / 3MHz / Low CH / 64QAM

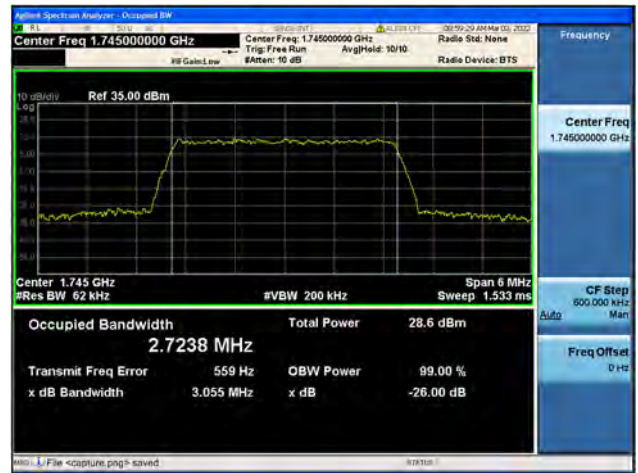




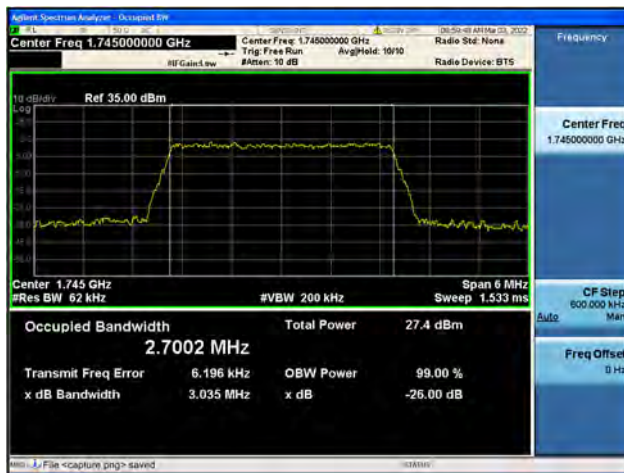
Band66 / 3MHz / Mid CH / QPSK



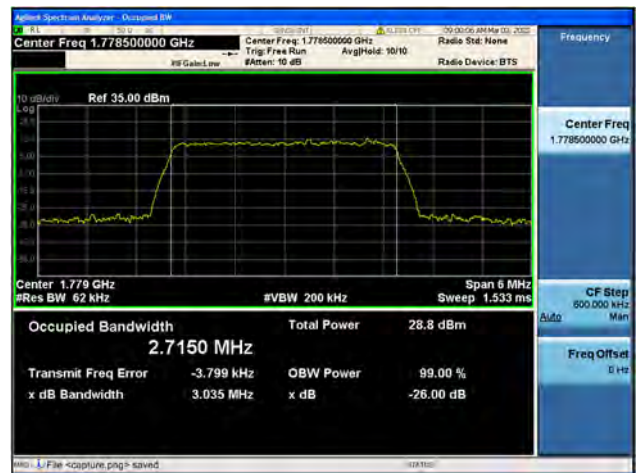
Band66 / 3MHz / Mid CH / 16QAM



Band66 / 3MHz / Mid CH / 64QAM



Band66 / 3MHz / High CH / QPSK



Band66 / 3MHz / High CH / 16QAM

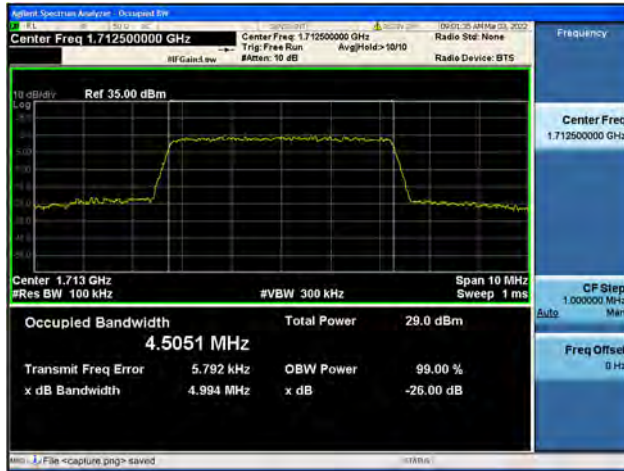


Band66 / 3MHz / High CH / 64QAM





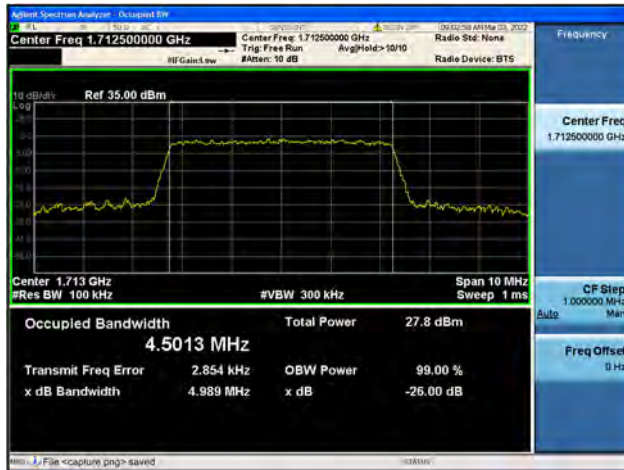
Band66 / 5MHz / Low CH / QPSK



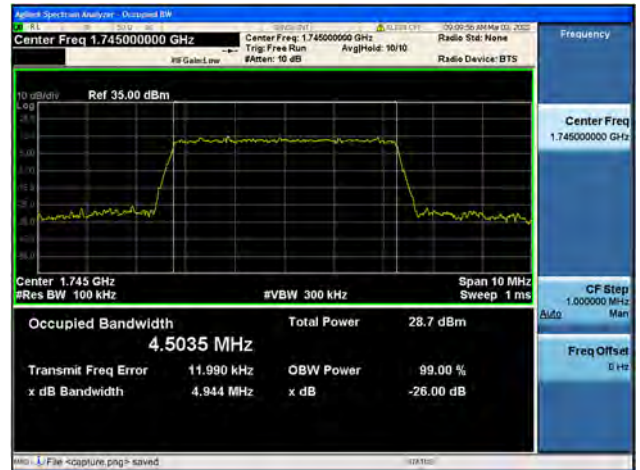
Band66 / 5MHz / Low CH / 16QAM



Band66 / 5MHz / Low CH / 64QAM



Band66 / 5MHz / Mid CH / QPSK



Band66 / 5MHz / Mid CH / 16QAM

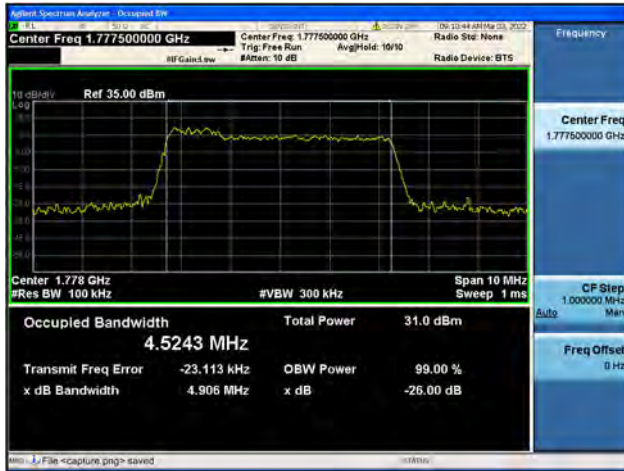


Band66 / 5MHz / Mid CH / 64QAM

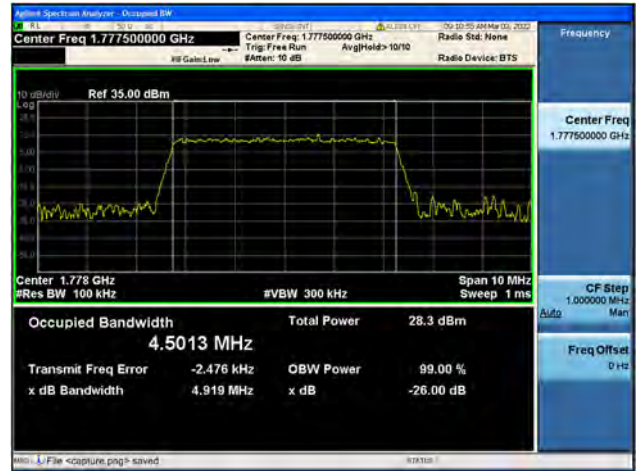




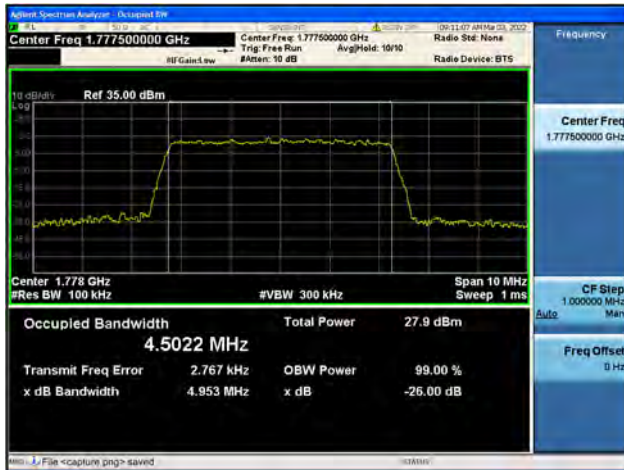
Band66 / 5MHz / High CH / QPSK



Band66 / 5MHz / High CH / 16QAM



Band66 / 5MHz / High CH / 64QAM



Band66 / 10MHz / Low CH / QPSK



Band66 / 10MHz / Low CH / 16QAM

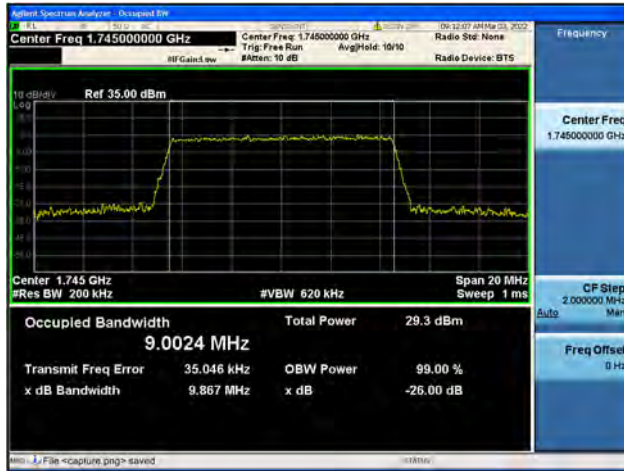


Band66 / 10MHz / Low CH / 64QAM

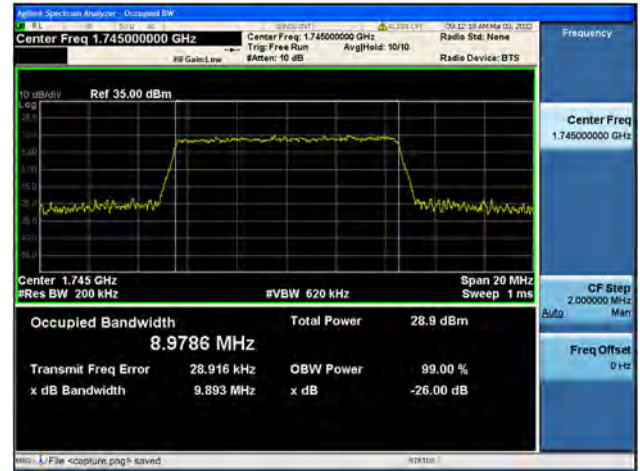




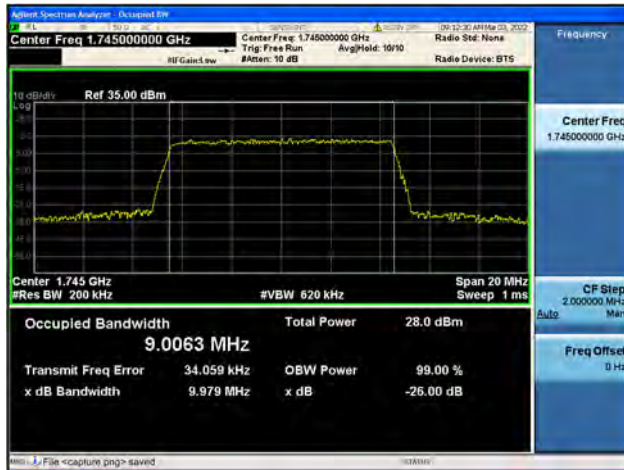
Band66 / 10MHz / Mid CH / QPSK



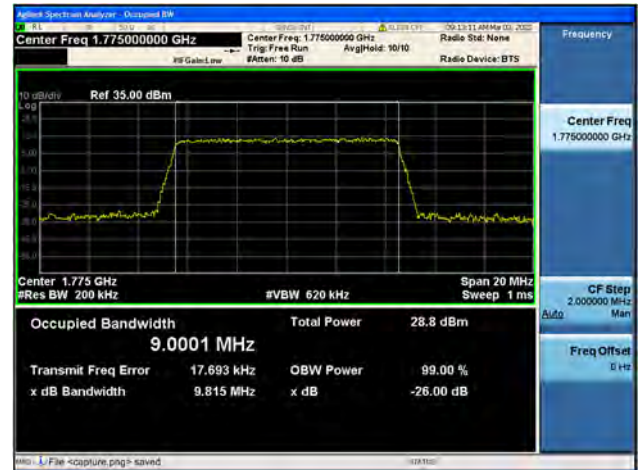
Band66 / 10MHz / Mid CH / 16QAM



Band66 / 10MHz / Mid CH / 64QAM



Band66 / 10MHz / High CH / QPSK



Band66 / 10MHz / High CH / 16QAM



Band66 / 10MHz / High CH / 64QAM

