



TEST REPORT

APPLICANT : BLU Products, Inc.

PRODUCT NAME : Smart Phone

MODEL NAME : G51

BRAND NAME : BLU

FCC ID : YHLBLUG51

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

RECEIPT DATE : 2022-02-14

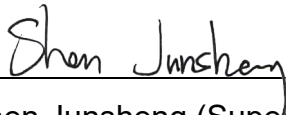
TEST DATE : 2022-03-06 to 2022-04-02

ISSUE DATE : 2022-04-11

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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.:	6#	
Hardware Version:	MM6216-MB-V1.0	
Software Version:	6216B_FISE_M6101C_20211207_userdebug	
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	0.92dBi
	LTE Band 4	0.84dBi
	LTE Band 5	-1.18dBi
	LTE Band 7	0.95dBi
	LTE Band 12	-1.74dBi
	LTE Band 17	-1.71dBi
	LTE Band 66	0.84dBi
Accessory Information:	Battery	
	Brand Name:	BLU
	Model No.:	C635849300L
	Serial No.:	N/A
	Capacity:	3000mAh
	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=1000mA
	Rated Input:	100-240V~50/60Hz, 0.2A
	Manufacturer:	Shenzhen Bajunda Electronic Co.,Ltd

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



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

LTE Band 2		Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
20	0.211	0.185	0.182	18M0G7D	18M0W7D	18M0W7D	
15	0.208	0.177	0.181	13M5G7D	13M5W7D	13M5W7D	
10	0.207	0.191	0.175	9M00G7D	8M97W7D	8M98W7D	
5	0.205	0.185	0.181	4M50G7D	4M50W7D	4M50W7D	
3	0.206	0.187	0.180	2M69G7D	2M69W7D	2M70W7D	
1.4	0.204	0.166	0.172	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	0.210	0.181	0.179	18M0G7D	18M0W7D	18M0W7D	
15	0.208	0.173	0.179	13M5G7D	13M5W7D	13M5W7D	
10	0.206	0.174	0.180	9M02G7D	8M98W7D	8M98W7D	
5	0.205	0.174	0.178	4M50G7D	4M50W7D	4M50W7D	
3	0.208	0.178	0.169	2M69G7D	2M69W7D	2M70W7D	
1.4	0.207	0.178	0.170	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	0.078	0.065	0.065	9M01G7D	8M97W7D	8M98W7D	
5	0.077	0.067	0.064	4M50G7D	4M51W7D	4M51W7D	
3	0.077	0.066	0.064	2M70G7D	2M70W7D	2M70W7D	
1.4	0.078	0.066	0.063	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	0.212	0.182	0.174	18M0G7D	18M0W7D	18M0W7D	
15	0.208	0.182	0.173	13M5G7D	13M5W7D	13M5W7D	
10	0.204	0.178	0.179	9M01G7D	8M97W7D	8M99W7D	
5	0.205	0.169	0.175	4M51G7D	4M51W7D	4M51W7D	
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	0.069	0.056	0.059	9M03G7D	8M99W7D	9M02W7D	
5	0.068	0.055	0.062	4M52G7D	4M52W7D	4M54W7D	
3	0.068	0.058	0.061	2M70G7D	2M70W7D	2M70W7D	
1.4	0.067	0.060	0.059	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	0.069	0.058	0.058	9M03G7D	9M00W7D	9M01W7D	
5	0.067	0.064	0.057	4M52G7D	4M52W7D	4M53W7D	
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	0.213	0.180	0.183	18M0G7D	18M0W7D	18M0W7D	
15	0.211	0.173	0.176	13M5G7D	13M5W7D	13M5W7D	
10	0.212	0.183	0.180	9M04G7D	8M99W7D	9M00W7D	
5	0.210	0.184	0.182	4M52G7D	4M52W7D	4M52W7D	
3	0.208	0.175	0.181	2M69G7D	2M69W7D	2M70W7D	
1.4	0.209	0.179	0.183	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.	Apr. 02, 2022	Chen Hao Li Huaijie	PASS	No deviation
2.1049	Occupied Bandwidth	Mar. 05&09, 2022	Li Huaijie	PASS	No deviation
2.1055 22.355 24.235 27.54	Frequency Stability	Mar. 10, 2022	Li Huaijie	PASS	No deviation
24.232(d), 27.50(d)(5)	Peak to Average Radio	Mar. 05&09, 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	Mar. 07, 2022	Li Huaijie	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(g)	Band Edge	Mar. 07&08, 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. 03, 2022	Lin Jiayong	PASS	No deviation

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

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

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

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

1.5. Environmental Conditions

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

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



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

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

2.1.1. Requirement

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

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

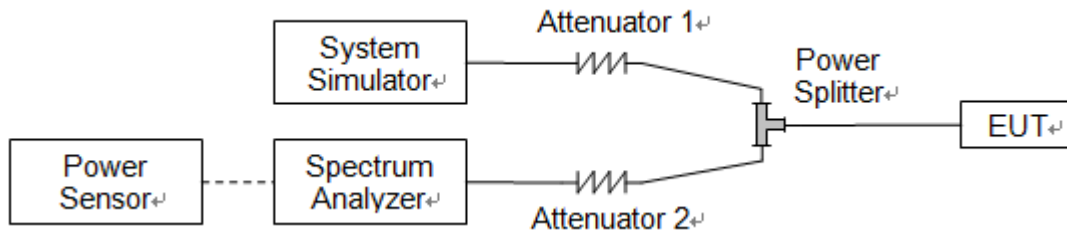
According to FCC section 27.50 (d)(4) for LTE Band 4/66, Fixed, mobile and portable (hand-held) stations in the 1710-1755MHz band are limited to 1wat E.I.R.P.

According to FCC section 22.913 (a)(2) for LTE Band 5, 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	22.29	22.32	22.26
20	QPSK	1	49	22.27	22.21	22.14
20	QPSK	1	99	22.21	22.17	22.15
20	QPSK	50	0	21.37	21.46	21.39
20	QPSK	50	24	21.38	21.43	21.43
20	QPSK	50	50	21.43	21.39	21.45
20	QPSK	100	0	21.36	21.45	21.41
20	16QAM	1	0	21.42	21.42	21.44
20	16QAM	1	49	21.26	21.56	21.52
20	16QAM	1	99	21.51	21.36	21.76
20	16QAM	50	0	21.44	21.41	21.39
20	16QAM	50	24	21.40	21.45	21.46
20	16QAM	50	50	21.48	21.45	21.52
20	16QAM	100	0	21.51	21.52	21.39
20	64QAM	1	0	21.46	21.65	21.39
20	64QAM	1	49	21.41	21.59	21.50
20	64QAM	1	99	21.36	21.69	21.69
20	64QAM	50	0	21.46	21.38	21.43
20	64QAM	50	24	21.49	21.43	21.48
20	64QAM	50	50	21.48	21.49	21.43
20	64QAM	100	0	21.36	21.33	21.34



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18675	18900	19125
Frequency (MHz)				1857.5	1880	1902.5
15	QPSK	1	0	22.10	22.13	22.04
15	QPSK	1	37	21.89	22.25	22.13
15	QPSK	1	74	22.26	22.18	22.26
15	QPSK	36	0	21.23	21.32	21.31
15	QPSK	36	20	21.22	21.41	21.38
15	QPSK	36	39	21.34	21.35	21.32
15	QPSK	75	0	21.26	21.32	21.28
15	16QAM	1	0	21.35	21.43	21.37
15	16QAM	1	37	21.48	21.51	21.37
15	16QAM	1	74	21.43	21.55	21.55
15	16QAM	36	0	21.22	21.27	21.30
15	16QAM	36	20	21.31	21.24	21.37
15	16QAM	36	39	21.36	21.45	21.42
15	16QAM	75	0	21.23	21.25	21.34
15	64QAM	1	0	21.43	21.19	21.25
15	64QAM	1	37	21.42	21.23	21.65
15	64QAM	1	74	21.31	21.35	21.50
15	64QAM	36	0	21.16	21.33	21.21
15	64QAM	36	20	21.36	21.38	21.28
15	64QAM	36	39	21.24	21.29	21.38
15	64QAM	75	0	21.23	21.30	21.29



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18650	18900	19150
Frequency (MHz)				1855	1880	1905
10	QPSK	1	0	22.14	22.13	22.23
10	QPSK	1	25	22.18	22.21	22.16
10	QPSK	1	49	22.14	22.15	22.14
10	QPSK	25	0	21.41	21.42	21.38
10	QPSK	25	12	21.37	21.49	21.42
10	QPSK	25	25	21.28	21.41	21.37
10	QPSK	50	0	21.34	21.43	21.41
10	16QAM	1	0	21.82	21.75	21.74
10	16QAM	1	25	21.51	21.47	21.54
10	16QAM	1	49	21.46	21.54	21.33
10	16QAM	25	0	21.36	21.35	21.32
10	16QAM	25	12	21.52	21.32	21.32
10	16QAM	25	25	21.32	21.52	21.62
10	16QAM	50	0	21.89	21.82	21.86
10	64QAM	1	0	21.40	21.45	21.45
10	64QAM	1	25	21.43	21.48	21.52
10	64QAM	1	49	21.10	21.23	21.20
10	64QAM	25	0	21.40	21.44	21.45
10	64QAM	25	12	21.43	21.41	21.42
10	64QAM	25	25	21.36	21.14	21.36
10	64QAM	50	0	21.37	21.37	21.34



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18625	18900	19175
Frequency (MHz)				1852.5	1880	1907.5
5	QPSK	1	0	22.14	22.19	22.13
5	QPSK	1	12	22.13	22.08	22.11
5	QPSK	1	24	22.09	22.17	22.18
5	QPSK	12	0	21.26	21.17	21.24
5	QPSK	12	7	21.27	21.32	21.24
5	QPSK	12	13	21.26	21.25	21.28
5	QPSK	25	0	21.25	21.23	21.25
5	16QAM	1	0	21.38	21.28	21.66
5	16QAM	1	12	21.36	21.29	21.66
5	16QAM	1	24	21.39	21.26	21.65
5	16QAM	12	0	21.48	21.62	21.48
5	16QAM	12	7	21.38	21.38	21.18
5	16QAM	12	13	21.18	21.51	21.28
5	16QAM	25	0	21.28	21.74	21.72
5	64QAM	1	0	21.48	21.20	21.25
5	64QAM	1	12	21.64	21.30	21.41
5	64QAM	1	24	21.65	21.29	21.31
5	64QAM	12	0	21.30	21.23	21.22
5	64QAM	12	7	21.36	21.20	21.20
5	64QAM	12	13	21.33	21.29	21.27
5	64QAM	25	0	21.40	21.20	21.27



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18615	18900	19185
Frequency (MHz)				1851.5	1880	1908.5
3	QPSK	1	0	22.08	22.15	22.07
3	QPSK	1	8	22.18	22.21	22.04
3	QPSK	1	14	22.19	22.06	22.06
3	QPSK	8	0	21.14	21.09	21.11
3	QPSK	8	4	21.20	21.14	21.15
3	QPSK	8	7	21.20	21.14	21.10
3	QPSK	15	0	21.12	21.20	21.13
3	16QAM	1	0	21.28	21.19	21.13
3	16QAM	1	8	21.32	21.26	21.22
3	16QAM	1	14	21.25	21.22	21.10
3	16QAM	8	0	21.68	21.81	21.73
3	16QAM	8	4	21.75	21.72	21.78
3	16QAM	8	7	21.65	21.70	21.73
3	16QAM	15	0	21.68	21.72	21.67
3	64QAM	1	0	21.21	21.14	21.17
3	64QAM	1	8	21.63	21.62	21.22
3	64QAM	1	14	21.24	21.60	21.24
3	64QAM	8	0	21.16	21.18	21.02
3	64QAM	8	4	21.26	21.16	21.16
3	64QAM	8	7	21.36	21.25	21.11
3	64QAM	15	0	21.21	21.21	21.19



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18607	18900	19193
Frequency (MHz)				1850.7	1880	1909.3
1.4	QPSK	1	0	22.14	22.17	22.12
1.4	QPSK	1	3	22.04	22.02	22.01
1.4	QPSK	1	5	22.01	21.99	21.97
1.4	QPSK	3	0	22.01	22.01	21.97
1.4	QPSK	3	1	22.05	22.02	22.00
1.4	QPSK	3	3	22.07	22.11	22.00
1.4	QPSK	6	0	21.10	21.08	21.07
1.4	16QAM	1	0	21.13	21.13	21.07
1.4	16QAM	1	3	21.09	21.29	21.27
1.4	16QAM	1	5	20.97	21.17	20.85
1.4	16QAM	3	0	20.99	21.04	21.01
1.4	16QAM	3	1	21.17	20.99	21.04
1.4	16QAM	3	3	21.19	21.16	20.90
1.4	16QAM	6	0	21.20	21.13	21.08
1.4	64QAM	1	0	21.08	21.00	21.03
1.4	64QAM	1	3	21.10	21.31	21.19
1.4	64QAM	1	5	21.08	21.43	21.02
1.4	64QAM	3	0	21.11	21.17	21.18
1.4	64QAM	3	1	21.20	21.17	21.38
1.4	64QAM	3	3	21.12	21.26	21.03
1.4	64QAM	6	0	21.17	21.20	21.09



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20050	20175	20300
Frequency (MHz)				1720	1732.5	1745
20	QPSK	1	0	22.31	22.39	22.38
20	QPSK	1	49	22.17	22.25	22.24
20	QPSK	1	99	22.09	22.22	22.34
20	QPSK	50	0	21.47	21.51	21.48
20	QPSK	50	24	21.38	21.46	21.46
20	QPSK	50	50	21.27	21.38	21.39
20	QPSK	100	0	21.37	21.41	21.48
20	16QAM	1	0	21.24	21.54	21.41
20	16QAM	1	49	21.39	21.16	21.30
20	16QAM	1	99	21.18	21.40	21.24
20	16QAM	50	0	21.37	21.30	21.44
20	16QAM	50	24	21.63	21.74	21.63
20	16QAM	50	50	21.59	21.60	21.60
20	16QAM	100	0	21.61	21.69	21.70
20	64QAM	1	0	21.35	21.46	21.68
20	64QAM	1	49	21.39	21.32	21.20
20	64QAM	1	99	21.66	21.23	21.70
20	64QAM	50	0	21.36	21.45	21.40
20	64QAM	50	24	21.38	21.49	21.43
20	64QAM	50	50	21.42	21.37	21.39
20	64QAM	100	0	21.45	21.43	21.52



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20025	20175	20325
Frequency (MHz)				1717.5	1732.5	1747.5
15	QPSK	1	0	22.18	22.22	22.32
15	QPSK	1	37	22.22	22.31	22.23
15	QPSK	1	74	22.09	22.31	22.34
15	QPSK	36	0	21.32	21.39	21.42
15	QPSK	36	20	21.36	21.49	21.45
15	QPSK	36	39	21.41	21.40	21.49
15	QPSK	75	0	21.36	21.38	21.39
15	16QAM	1	0	21.30	21.52	21.24
15	16QAM	1	37	21.38	21.38	21.22
15	16QAM	1	74	21.24	21.54	21.33
15	16QAM	36	0	21.25	21.27	21.46
15	16QAM	36	20	21.20	21.27	21.33
15	16QAM	36	39	21.16	21.25	21.31
15	16QAM	75	0	21.27	21.28	21.37
15	64QAM	1	0	21.22	21.53	21.58
15	64QAM	1	37	21.64	21.40	21.46
15	64QAM	1	74	21.68	21.39	21.43
15	64QAM	36	0	21.33	21.40	21.44
15	64QAM	36	20	21.39	21.41	21.43
15	64QAM	36	39	21.42	21.38	21.40
15	64QAM	75	0	21.35	21.46	21.39



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20000	20175	20350
Frequency (MHz)				1715	1732.5	1750
10	QPSK	1	0	22.30	22.29	22.12
10	QPSK	1	25	22.28	22.21	22.22
10	QPSK	1	49	22.16	21.99	22.22
10	QPSK	25	0	21.15	21.37	21.39
10	QPSK	25	12	21.27	21.33	21.37
10	QPSK	25	25	21.16	21.27	21.34
10	QPSK	50	0	21.22	21.32	21.24
10	16QAM	1	0	21.21	21.36	21.12
10	16QAM	1	25	21.48	21.22	21.54
10	16QAM	1	49	21.55	21.45	21.44
10	16QAM	25	0	21.21	21.20	21.19
10	16QAM	25	12	21.13	21.23	21.20
10	16QAM	25	25	21.47	21.38	21.47
10	16QAM	50	0	21.41	21.45	21.57
10	64QAM	1	0	21.27	21.35	21.25
10	64QAM	1	25	21.34	21.63	21.72
10	64QAM	1	49	21.32	21.36	21.31
10	64QAM	25	0	21.16	21.30	21.29
10	64QAM	25	12	21.25	21.36	21.40
10	64QAM	25	25	21.13	21.25	21.27
10	64QAM	50	0	21.19	21.26	21.25



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19975	20175	20375
Frequency (MHz)				1712.5	1732.5	1752.5
5	QPSK	1	0	22.27	22.22	22.27
5	QPSK	1	12	22.26	22.21	22.18
5	QPSK	1	24	22.01	22.13	22.12
5	QPSK	12	0	21.23	21.23	21.27
5	QPSK	12	7	21.23	21.34	21.31
5	QPSK	12	13	21.18	21.35	21.27
5	QPSK	25	0	21.21	21.25	21.31
5	16QAM	1	0	21.11	21.52	21.20
5	16QAM	1	12	21.22	21.57	21.16
5	16QAM	1	24	21.16	21.51	21.11
5	16QAM	12	0	21.15	21.09	21.12
5	16QAM	12	7	21.18	21.22	21.20
5	16QAM	12	13	21.45	21.52	21.56
5	16QAM	25	0	21.46	21.57	21.50
5	64QAM	1	0	21.23	21.67	21.65
5	64QAM	1	12	21.61	21.37	21.64
5	64QAM	1	24	21.57	21.27	21.34
5	64QAM	12	0	21.24	21.31	21.33
5	64QAM	12	7	21.23	21.32	21.38
5	64QAM	12	13	21.24	21.30	21.29
5	64QAM	25	0	21.19	21.33	21.24



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19965	20175	20385
Frequency (MHz)				1711.5	1732.5	1753.5
3	QPSK	1	0	22.12	22.13	22.25
3	QPSK	1	8	22.21	22.35	22.29
3	QPSK	1	14	22.01	22.20	22.20
3	QPSK	8	0	21.21	21.27	21.28
3	QPSK	8	4	21.27	21.35	21.37
3	QPSK	8	7	21.23	21.33	21.33
3	QPSK	15	0	21.23	21.29	21.23
3	16QAM	1	0	21.31	21.40	21.44
3	16QAM	1	8	21.53	21.53	21.27
3	16QAM	1	14	21.44	21.22	21.30
3	16QAM	8	0	21.23	21.24	21.33
3	16QAM	8	4	21.33	21.33	21.34
3	16QAM	8	7	21.55	21.63	21.67
3	16QAM	15	0	21.55	21.53	21.60
3	64QAM	1	0	21.22	21.31	21.29
3	64QAM	1	8	21.41	21.29	21.45
3	64QAM	1	14	21.22	21.29	21.12
3	64QAM	8	0	21.20	21.24	21.18
3	64QAM	8	4	21.32	21.30	21.34
3	64QAM	8	7	21.26	21.33	21.45
3	64QAM	15	0	21.22	21.30	21.21



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19957	20175	20393
Frequency (MHz)				1710.7	1732.5	1754.3
1.4	QPSK	1	0	22.27	22.32	22.30
1.4	QPSK	1	3	22.21	22.21	22.25
1.4	QPSK	1	5	22.07	22.16	22.18
1.4	QPSK	3	0	22.15	22.12	22.11
1.4	QPSK	3	1	22.11	22.21	22.26
1.4	QPSK	3	3	22.10	22.17	22.16
1.4	QPSK	6	0	21.26	21.28	21.24
1.4	16QAM	1	0	21.20	21.67	21.33
1.4	16QAM	1	3	21.33	21.41	21.45
1.4	16QAM	1	5	21.39	21.55	21.35
1.4	16QAM	3	0	21.42	21.46	21.37
1.4	16QAM	3	1	21.43	21.46	21.48
1.4	16QAM	3	3	21.42	21.54	21.43
1.4	16QAM	6	0	21.33	21.34	21.25
1.4	64QAM	1	0	21.11	21.05	21.19
1.4	64QAM	1	3	21.37	21.35	21.47
1.4	64QAM	1	5	21.28	21.24	21.08
1.4	64QAM	3	0	21.19	21.17	21.36
1.4	64QAM	3	1	21.10	21.25	21.22
1.4	64QAM	3	3	21.16	21.33	21.21
1.4	64QAM	6	0	21.15	21.16	21.23



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20450	20525	20600
Frequency (MHz)				829	836.5	844
10	QPSK	1	0	22.25	22.26	22.18
10	QPSK	1	25	22.11	22.14	21.94
10	QPSK	1	49	22.03	22.15	21.83
10	QPSK	25	0	21.34	21.36	21.17
10	QPSK	25	12	21.10	21.12	21.17
10	QPSK	25	25	21.10	21.21	21.26
10	QPSK	50	0	21.16	21.04	21.18
10	16QAM	1	0	21.20	21.39	21.10
10	16QAM	1	25	21.43	21.46	21.14
10	16QAM	1	49	21.26	21.32	21.39
10	16QAM	25	0	21.35	21.36	21.18
10	16QAM	25	12	21.29	21.37	21.15
10	16QAM	25	25	21.32	21.25	21.28
10	16QAM	50	0	21.33	21.24	21.14
10	64QAM	1	0	21.29	21.39	21.27
10	64QAM	1	25	21.26	21.46	21.26
10	64QAM	1	49	21.15	21.37	21.28
10	64QAM	25	0	21.26	21.37	21.04
10	64QAM	25	12	21.25	21.42	21.13
10	64QAM	25	25	21.37	21.26	20.96
10	64QAM	50	0	21.33	21.29	21.15



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20425	20525	20625
Frequency (MHz)				826.5	836.5	846.5
5	QPSK	1	0	22.20	22.16	22.14
5	QPSK	1	12	22.10	22.21	22.05
5	QPSK	1	24	22.10	22.05	22.05
5	QPSK	12	0	21.25	21.30	21.16
5	QPSK	12	7	21.32	21.33	21.25
5	QPSK	12	13	21.37	21.21	21.16
5	QPSK	25	0	21.28	21.24	21.16
5	16QAM	1	0	21.57	21.50	21.26
5	16QAM	1	12	21.27	21.49	21.25
5	16QAM	1	24	21.14	21.49	21.32
5	16QAM	12	0	21.23	21.32	21.31
5	16QAM	12	7	21.30	21.33	21.15
5	16QAM	12	13	21.30	21.21	21.26
5	16QAM	25	0	21.31	21.36	21.31
5	64QAM	1	0	21.38	21.26	21.37
5	64QAM	1	12	21.26	21.20	21.34
5	64QAM	1	24	21.40	21.24	21.18
5	64QAM	12	0	21.12	21.26	21.06
5	64QAM	12	7	21.16	21.32	21.10
5	64QAM	12	13	21.34	21.29	20.86
5	64QAM	25	0	21.22	21.29	20.90



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20415	20525	20635
Frequency (MHz)				825.5	836.5	847.5
3	QPSK	1	0	22.19	22.20	22.05
3	QPSK	1	8	22.15	22.16	22.07
3	QPSK	1	14	22.16	22.14	21.88
3	QPSK	8	0	21.18	21.31	21.29
3	QPSK	8	4	21.32	21.38	21.35
3	QPSK	8	7	21.27	21.29	21.16
3	QPSK	15	0	21.25	21.31	21.30
3	16QAM	1	0	21.27	21.38	21.45
3	16QAM	1	8	21.20	21.46	21.30
3	16QAM	1	14	21.25	21.51	21.26
3	16QAM	8	0	21.21	21.30	21.04
3	16QAM	8	4	21.37	21.48	21.05
3	16QAM	8	7	21.29	21.35	21.09
3	16QAM	15	0	21.23	21.25	20.80
3	64QAM	1	0	21.18	21.06	21.27
3	64QAM	1	8	21.06	21.30	21.06
3	64QAM	1	14	21.08	21.26	21.07
3	64QAM	8	0	21.18	21.28	21.26
3	64QAM	8	4	21.40	21.24	21.18
3	64QAM	8	7	21.35	21.27	21.24
3	64QAM	15	0	21.24	21.34	21.14



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20407	20525	20643
Frequency (MHz)				824.7	836.5	848.3
1.4	QPSK	1	0	22.20	22.17	22.21
1.4	QPSK	1	3	22.23	22.16	22.23
1.4	QPSK	1	5	22.12	22.06	22.07
1.4	QPSK	3	0	22.13	22.19	22.15
1.4	QPSK	3	1	22.19	22.06	22.16
1.4	QPSK	3	3	22.20	22.12	22.12
1.4	QPSK	6	0	21.23	21.22	21.21
1.4	16QAM	1	0	21.36	21.17	21.34
1.4	16QAM	1	3	21.16	21.40	21.29
1.4	16QAM	1	5	21.55	21.23	21.29
1.4	16QAM	3	0	21.08	21.06	21.20
1.4	16QAM	3	1	21.11	21.38	21.24
1.4	16QAM	3	3	21.19	21.30	21.18
1.4	16QAM	6	0	21.38	21.25	21.29
1.4	64QAM	1	0	20.91	21.08	21.10
1.4	64QAM	1	3	21.22	21.23	21.18
1.4	64QAM	1	5	21.17	21.16	21.04
1.4	64QAM	3	0	20.83	21.10	21.11
1.4	64QAM	3	1	21.11	21.05	21.06
1.4	64QAM	3	3	21.01	21.18	21.22
1.4	64QAM	6	0	21.22	21.34	21.23



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	22.30	22.31	22.23
20	QPSK	1	49	22.25	22.29	22.18
20	QPSK	1	99	22.20	22.15	22.20
20	QPSK	50	0	21.36	21.43	21.40
20	QPSK	50	24	21.12	21.09	20.99
20	QPSK	50	50	21.22	21.25	21.22
20	QPSK	100	0	21.17	21.19	21.16
20	16QAM	1	0	21.26	21.36	21.54
20	16QAM	1	49	21.41	21.27	21.55
20	16QAM	1	99	21.35	21.66	21.31
20	16QAM	50	0	21.20	21.30	21.23
20	16QAM	50	24	21.25	21.17	21.28
20	16QAM	50	50	21.33	21.38	21.21
20	16QAM	100	0	21.21	21.33	21.31
20	64QAM	1	0	21.09	21.25	21.27
20	64QAM	1	49	21.37	21.34	21.39
20	64QAM	1	99	21.35	21.40	21.31
20	64QAM	50	0	21.29	21.30	21.35
20	64QAM	50	24	21.34	21.35	21.35
20	64QAM	50	50	21.38	21.45	21.30
20	64QAM	100	0	21.31	21.28	21.40



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20825	21100	21375
Frequency (MHz)				2507.5	2535	2562.5
15	QPSK	1	0	22.13	22.22	22.22
15	QPSK	1	37	22.23	22.20	22.24
15	QPSK	1	74	22.17	22.24	22.24
15	QPSK	36	0	20.95	21.04	21.06
15	QPSK	36	20	21.03	21.10	21.05
15	QPSK	36	39	21.06	21.09	21.13
15	QPSK	75	0	21.12	21.05	21.07
15	16QAM	1	0	21.48	21.59	21.66
15	16QAM	1	37	21.30	21.41	21.39
15	16QAM	1	74	21.34	21.34	21.56
15	16QAM	36	0	20.93	21.04	21.06
15	16QAM	36	20	21.00	21.03	21.02
15	16QAM	36	39	21.06	21.04	20.93
15	16QAM	75	0	21.01	21.09	21.01
15	64QAM	1	0	21.19	21.16	21.04
15	64QAM	1	37	21.09	21.24	21.33
15	64QAM	1	74	21.08	21.20	21.26
15	64QAM	36	0	21.27	21.35	21.34
15	64QAM	36	20	21.38	21.37	21.44
15	64QAM	36	39	21.42	21.33	21.35
15	64QAM	75	0	21.27	21.37	21.32



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20800	21100	21400
Frequency (MHz)				2505	2535	2565
10	QPSK	1	0	22.12	21.99	22.02
10	QPSK	1	25	22.15	22.05	22.07
10	QPSK	1	49	22.08	22.05	22.07
10	QPSK	25	0	21.15	21.15	21.14
10	QPSK	25	12	21.11	21.23	21.28
10	QPSK	25	25	21.04	21.22	21.22
10	QPSK	50	0	21.13	21.25	21.24
10	16QAM	1	0	21.10	21.28	21.13
10	16QAM	1	25	21.09	21.11	21.16
10	16QAM	1	49	21.56	21.46	21.37
10	16QAM	25	0	21.27	21.15	21.23
10	16QAM	25	12	21.09	21.26	21.19
10	16QAM	25	25	21.14	21.17	21.09
10	16QAM	50	0	21.17	21.26	21.11
10	64QAM	1	0	21.19	21.15	21.13
10	64QAM	1	25	21.22	21.47	21.30
10	64QAM	1	49	21.33	21.57	21.38
10	64QAM	25	0	21.19	21.17	21.21
10	64QAM	25	12	21.21	21.32	21.25
10	64QAM	25	25	21.14	21.04	21.03
10	64QAM	50	0	21.08	21.14	21.06



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20775	21100	21425
Frequency (MHz)				2502.5	2535	2567.5
5	QPSK	1	0	22.16	22.07	21.97
5	QPSK	1	12	22.03	21.96	22.04
5	QPSK	1	24	21.97	22.03	22.07
5	QPSK	12	0	20.95	21.03	20.95
5	QPSK	12	7	21.02	21.17	21.09
5	QPSK	12	13	21.04	21.20	21.05
5	QPSK	25	0	21.05	21.06	21.01
5	16QAM	1	0	21.23	21.21	21.27
5	16QAM	1	12	21.00	21.22	21.12
5	16QAM	1	24	21.06	21.25	21.07
5	16QAM	12	0	21.25	21.31	21.22
5	16QAM	12	7	21.14	21.16	21.12
5	16QAM	12	13	21.14	21.20	21.33
5	16QAM	25	0	21.11	21.16	21.18
5	64QAM	1	0	21.29	21.34	21.30
5	64QAM	1	12	21.34	21.46	21.34
5	64QAM	1	24	21.38	21.48	21.44
5	64QAM	12	0	21.09	21.06	21.11
5	64QAM	12	7	21.18	21.23	21.02
5	64QAM	12	13	21.13	21.22	21.08
5	64QAM	25	0	21.08	21.07	21.12



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23060	23095	23130
Frequency (MHz)				704	707.5	711
10	QPSK	1	0	22.13	22.29	22.18
10	QPSK	1	25	21.99	22.12	22.15
10	QPSK	1	49	22.09	22.10	22.09
10	QPSK	25	0	21.38	21.48	21.39
10	QPSK	25	12	21.35	21.29	21.08
10	QPSK	25	25	21.40	21.46	21.39
10	QPSK	50	0	21.41	21.43	21.34
10	16QAM	1	0	21.34	20.89	21.02
10	16QAM	1	25	21.09	21.04	21.18
10	16QAM	1	49	21.18	21.23	21.12
10	16QAM	25	0	21.07	21.09	21.03
10	16QAM	25	12	21.11	21.15	21.04
10	16QAM	25	25	21.16	21.17	21.11
10	16QAM	50	0	21.06	21.14	21.19
10	64QAM	1	0	21.01	21.13	21.47
10	64QAM	1	25	21.45	21.51	21.10
10	64QAM	1	49	21.47	21.15	21.08
10	64QAM	25	0	21.53	21.47	21.44
10	64QAM	25	12	21.58	21.61	21.53
10	64QAM	25	25	21.63	21.60	21.60
10	64QAM	50	0	21.55	21.48	21.59



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23035	23095	23155
Frequency (MHz)				701.5	707.5	713.5
5	QPSK	1	0	21.88	22.21	21.99
5	QPSK	1	12	22.04	22.20	22.04
5	QPSK	1	24	22.00	22.19	22.05
5	QPSK	12	0	21.11	21.18	21.17
5	QPSK	12	7	21.22	21.24	21.21
5	QPSK	12	13	21.17	21.20	21.17
5	QPSK	25	0	21.13	21.25	21.21
5	16QAM	1	0	21.14	21.16	21.18
5	16QAM	1	12	21.31	21.26	21.27
5	16QAM	1	24	21.27	21.25	21.21
5	16QAM	12	0	21.01	20.98	21.01
5	16QAM	12	7	21.15	21.20	21.04
5	16QAM	12	13	21.10	21.07	21.12
5	16QAM	25	0	21.11	21.07	21.09
5	64QAM	1	0	21.37	21.38	21.43
5	64QAM	1	12	21.82	21.52	21.45
5	64QAM	1	24	21.80	21.49	21.54
5	64QAM	12	0	21.34	21.36	21.31
5	64QAM	12	7	21.44	21.32	21.38
5	64QAM	12	13	21.31	21.41	21.46
5	64QAM	25	0	21.46	21.42	21.39



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23025	23095	23165
Frequency (MHz)				700.5	707.5	714.5
3	QPSK	1	0	21.96	22.23	21.90
3	QPSK	1	8	22.14	22.13	22.03
3	QPSK	1	14	22.08	22.19	22.14
3	QPSK	8	0	21.19	21.17	21.17
3	QPSK	8	4	21.22	21.25	21.26
3	QPSK	8	7	21.17	21.25	21.19
3	QPSK	15	0	21.16	21.24	21.10
3	16QAM	1	0	21.17	21.53	21.12
3	16QAM	1	8	21.37	21.35	21.30
3	16QAM	1	14	21.20	21.25	21.11
3	16QAM	8	0	21.17	21.06	21.09
3	16QAM	8	4	21.22	21.19	21.30
3	16QAM	8	7	21.06	21.09	21.15
3	16QAM	15	0	21.04	20.97	20.96
3	64QAM	1	0	21.38	21.72	21.71
3	64QAM	1	8	21.67	21.57	21.58
3	64QAM	1	14	21.60	21.45	21.56
3	64QAM	8	0	21.27	21.35	21.26
3	64QAM	8	4	21.36	21.40	21.39
3	64QAM	8	7	21.35	21.27	21.42
3	64QAM	15	0	21.34	21.36	21.28



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23017	23095	23173
Frequency (MHz)				699.7	707.5	715.3
1.4	QPSK	1	0	21.99	22.16	21.96
1.4	QPSK	1	3	22.10	22.09	22.11
1.4	QPSK	1	5	21.99	22.04	22.00
1.4	QPSK	3	0	21.94	22.07	22.05
1.4	QPSK	3	1	22.15	22.15	21.82
1.4	QPSK	3	3	22.10	22.12	22.08
1.4	QPSK	6	0	21.38	21.35	21.33
1.4	16QAM	1	0	21.42	21.36	21.21
1.4	16QAM	1	3	21.23	21.66	21.33
1.4	16QAM	1	5	21.35	21.36	21.35
1.4	16QAM	3	0	21.19	21.22	21.23
1.4	16QAM	3	1	21.35	21.43	21.27
1.4	16QAM	3	3	21.55	21.44	21.48
1.4	16QAM	6	0	21.35	21.33	21.35
1.4	64QAM	1	0	21.22	21.37	21.21
1.4	64QAM	1	3	21.34	21.27	21.32
1.4	64QAM	1	5	21.50	21.53	21.49
1.4	64QAM	3	0	21.40	21.41	21.24
1.4	64QAM	3	1	21.38	21.62	21.47
1.4	64QAM	3	3	21.40	21.24	21.40
1.4	64QAM	6	0	21.36	21.37	21.24



LTE Band 17						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23780	23790	23800
Frequency (MHz)				709	710	711
10	QPSK	1	0	22.21	22.24	22.21
10	QPSK	1	25	22.09	22.05	22.11
10	QPSK	1	49	22.02	22.05	22.00
10	QPSK	25	0	21.32	21.38	21.30
10	QPSK	25	12	21.17	21.11	21.25
10	QPSK	25	25	21.15	21.15	21.24
10	QPSK	50	0	21.28	21.15	21.16
10	16QAM	1	0	21.01	21.20	21.34
10	16QAM	1	25	21.22	21.51	21.35
10	16QAM	1	49	21.18	21.43	21.48
10	16QAM	25	0	21.12	21.36	21.35
10	16QAM	25	12	21.36	21.51	21.49
10	16QAM	25	25	21.19	21.45	21.50
10	16QAM	50	0	21.23	21.52	21.49
10	64QAM	1	0	21.20	21.53	21.21
10	64QAM	1	25	21.43	21.33	21.23
10	64QAM	1	49	21.17	21.20	21.20
10	64QAM	25	0	21.17	21.34	21.32
10	64QAM	25	12	21.09	21.17	21.34
10	64QAM	25	25	21.03	21.24	21.40
10	64QAM	50	0	21.10	21.33	21.34



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	22.15	22.11	22.07
5	QPSK	1	12	22.14	22.10	22.09
5	QPSK	1	24	22.06	22.12	22.11
5	QPSK	12	0	21.22	21.40	21.56
5	QPSK	12	7	21.34	21.43	21.51
5	QPSK	12	13	21.17	21.45	21.51
5	QPSK	25	0	21.20	21.37	21.50
5	16QAM	1	0	21.68	21.73	21.45
5	16QAM	1	12	21.85	21.41	21.78
5	16QAM	1	24	21.69	21.74	21.90
5	16QAM	12	0	21.13	21.16	21.37
5	16QAM	12	7	21.13	21.20	21.32
5	16QAM	12	13	21.04	21.29	21.32
5	16QAM	25	0	21.14	21.26	21.30
5	64QAM	1	0	21.12	21.13	21.13
5	64QAM	1	12	21.16	21.13	21.21
5	64QAM	1	24	21.03	21.03	20.95
5	64QAM	12	0	21.09	21.14	21.38
5	64QAM	12	7	21.22	21.30	21.24
5	64QAM	12	13	21.07	21.25	21.27
5	64QAM	25	0	21.04	21.23	21.39



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	22.38	22.44	22.42
20	QPSK	1	49	22.23	22.22	22.18
20	QPSK	1	99	22.16	22.15	22.18
20	QPSK	50	0	21.61	21.68	21.64
20	QPSK	50	24	21.42	21.44	21.57
20	QPSK	50	50	21.46	21.54	21.42
20	QPSK	100	0	21.44	21.44	21.36
20	16QAM	1	0	21.49	21.25	21.53
20	16QAM	1	49	21.54	21.28	21.34
20	16QAM	1	99	21.54	21.72	21.51
20	16QAM	50	0	21.66	21.63	21.60
20	16QAM	50	24	21.55	21.55	21.56
20	16QAM	50	50	21.30	21.22	21.18
20	16QAM	100	0	21.26	21.29	21.35
20	64QAM	1	0	21.59	21.36	21.69
20	64QAM	1	49	21.36	21.69	21.68
20	64QAM	1	99	21.59	21.71	21.79
20	64QAM	50	0	21.55	21.45	21.58
20	64QAM	50	24	21.49	21.43	21.55
20	64QAM	50	50	21.51	21.39	21.45
20	64QAM	100	0	21.50	21.50	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				132047	132322	132597
Frequency (MHz)				1717.5	1745	1772.5
15	QPSK	1	0	22.36	22.40	22.38
15	QPSK	1	37	22.40	22.36	22.34
15	QPSK	1	74	22.34	22.30	22.28
15	QPSK	36	0	21.33	21.30	21.34
15	QPSK	36	20	21.33	21.25	21.35
15	QPSK	36	39	21.19	21.24	21.21
15	QPSK	75	0	21.28	21.32	21.25
15	16QAM	1	0	21.27	21.14	21.44
15	16QAM	1	37	21.14	21.44	21.37
15	16QAM	1	74	21.24	21.14	21.14
15	16QAM	36	0	21.45	21.45	21.36
15	16QAM	36	20	21.48	21.47	21.53
15	16QAM	36	39	21.40	21.55	21.49
15	16QAM	75	0	21.28	21.26	21.22
15	64QAM	1	0	21.59	21.49	21.59
15	64QAM	1	37	21.61	21.39	21.49
15	64QAM	1	74	21.26	21.52	21.59
15	64QAM	36	0	21.38	21.37	21.50
15	64QAM	36	20	21.48	21.44	21.45
15	64QAM	36	39	21.37	21.31	21.35
15	64QAM	75	0	21.39	21.41	21.38



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132022	132322	132622
Frequency (MHz)				1715	1745	1775
10	QPSK	1	0	22.39	22.39	22.40
10	QPSK	1	25	22.29	22.27	22.35
10	QPSK	1	49	22.43	22.31	22.21
10	QPSK	25	0	21.64	21.57	21.64
10	QPSK	25	12	21.61	21.80	21.58
10	QPSK	25	25	21.57	21.53	21.45
10	QPSK	50	0	21.65	21.50	21.69
10	16QAM	1	0	21.57	21.57	21.77
10	16QAM	1	25	21.57	21.66	21.78
10	16QAM	1	49	21.40	21.60	21.48
10	16QAM	25	0	21.41	21.58	21.46
10	16QAM	25	12	21.40	21.60	21.51
10	16QAM	25	25	21.31	21.36	21.36
10	16QAM	50	0	21.47	21.51	21.52
10	64QAM	1	0	21.64	21.64	21.31
10	64QAM	1	25	21.31	21.44	21.34
10	64QAM	1	49	21.31	21.31	21.31
10	64QAM	25	0	21.64	21.62	21.64
10	64QAM	25	12	21.63	21.67	21.71
10	64QAM	25	25	21.63	21.56	21.58
10	64QAM	50	0	21.53	21.63	21.64



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				131997	132322	132647
Frequency (MHz)				1712.5	1745	1777.5
5	QPSK	1	0	22.28	22.31	22.36
5	QPSK	1	12	22.31	22.31	22.30
5	QPSK	1	24	22.39	22.29	22.35
5	QPSK	12	0	21.33	21.35	21.31
5	QPSK	12	7	21.35	21.43	21.36
5	QPSK	12	13	21.21	21.27	21.28
5	QPSK	25	0	21.31	21.32	21.31
5	16QAM	1	0	21.80	21.49	21.50
5	16QAM	1	12	21.43	21.72	21.67
5	16QAM	1	24	21.55	21.44	21.79
5	16QAM	12	0	21.44	21.55	21.51
5	16QAM	12	7	21.61	21.53	21.65
5	16QAM	12	13	21.52	21.46	21.53
5	16QAM	25	0	21.53	21.55	21.47
5	64QAM	1	0	21.31	21.71	21.51
5	64QAM	1	12	21.61	21.61	21.61
5	64QAM	1	24	21.44	21.48	21.44
5	64QAM	12	0	21.68	21.43	21.64
5	64QAM	12	7	21.76	21.35	21.66
5	64QAM	12	13	21.59	21.71	21.66
5	64QAM	25	0	21.66	21.74	21.61



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				131987	132322	132657
Frequency (MHz)				1711.5	1745	1778.5
3	QPSK	1	0	22.35	22.26	22.25
3	QPSK	1	8	22.22	22.23	22.31
3	QPSK	1	14	22.13	21.94	22.24
3	QPSK	8	0	21.59	21.56	21.60
3	QPSK	8	4	21.54	21.46	21.56
3	QPSK	8	7	21.40	21.45	21.42
3	QPSK	15	0	21.49	21.53	21.46
3	16QAM	1	0	21.18	21.59	21.35
3	16QAM	1	8	21.51	21.45	21.44
3	16QAM	1	14	21.55	21.44	21.14
3	16QAM	8	0	21.36	21.36	21.27
3	16QAM	8	4	21.39	21.38	21.44
3	16QAM	8	7	21.31	21.46	21.40
3	16QAM	15	0	21.41	21.39	21.35
3	64QAM	1	0	21.72	21.62	21.72
3	64QAM	1	8	21.74	21.52	21.62
3	64QAM	1	14	21.39	21.65	21.72
3	64QAM	8	0	21.51	21.50	21.63
3	64QAM	8	4	21.61	21.57	21.58
3	64QAM	8	7	21.50	21.44	21.48
3	64QAM	15	0	21.52	21.54	21.51



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				131979	132322	132665
Frequency (MHz)				1710.7	1745	1779.3
1.4	QPSK	1	0	22.29	22.20	22.21
1.4	QPSK	1	3	22.35	22.37	22.37
1.4	QPSK	1	5	22.27	22.15	22.31
1.4	QPSK	3	0	22.26	22.19	22.26
1.4	QPSK	3	1	22.23	22.29	22.20
1.4	QPSK	3	3	22.24	22.20	22.12
1.4	QPSK	6	0	21.62	21.47	21.66
1.4	16QAM	1	0	21.49	21.49	21.69
1.4	16QAM	1	3	21.49	21.58	21.70
1.4	16QAM	1	5	21.32	21.52	21.40
1.4	16QAM	3	0	21.27	21.24	21.50
1.4	16QAM	3	1	21.36	21.26	21.38
1.4	16QAM	3	3	21.37	21.38	21.32
1.4	16QAM	6	0	21.26	21.17	21.18
1.4	64QAM	1	0	21.77	21.62	21.78
1.4	64QAM	1	3	21.50	21.59	21.59
1.4	64QAM	1	5	21.47	21.47	21.58
1.4	64QAM	3	0	21.56	21.54	21.56
1.4	64QAM	3	1	21.55	21.59	21.63
1.4	64QAM	3	3	21.55	21.48	21.50
1.4	64QAM	6	0	21.45	21.55	21.56



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	23.21	0.209	23.24	0.211	23.18	0.208
20	QPSK	1	49	23.19	0.208	23.13	0.206	23.06	0.202
20	QPSK	1	99	23.13	0.206	23.09	0.204	23.07	0.203
20	QPSK	50	0	22.29	0.169	22.38	0.173	22.31	0.170
20	QPSK	50	24	22.30	0.170	22.35	0.172	22.35	0.172
20	QPSK	50	50	22.35	0.172	22.31	0.170	22.37	0.173
20	QPSK	100	0	22.28	0.169	22.37	0.173	22.33	0.171
20	16QAM	1	0	22.34	0.171	22.34	0.171	22.36	0.172
20	16QAM	1	49	22.18	0.165	22.48	0.177	22.44	0.175
20	16QAM	1	99	22.43	0.175	22.28	0.169	22.68	0.185
20	16QAM	50	0	22.36	0.172	22.33	0.171	22.31	0.170
20	16QAM	50	24	22.32	0.171	22.37	0.173	22.38	0.173
20	16QAM	50	50	22.40	0.174	22.37	0.173	22.44	0.175
20	16QAM	100	0	22.43	0.175	22.44	0.175	22.31	0.170
20	64QAM	1	0	22.38	0.173	22.57	0.181	22.31	0.170
20	64QAM	1	49	22.33	0.171	22.51	0.178	22.42	0.175
20	64QAM	1	99	22.28	0.169	22.61	0.182	22.61	0.182
20	64QAM	50	0	22.38	0.173	22.30	0.170	22.35	0.172
20	64QAM	50	24	22.41	0.174	22.35	0.172	22.40	0.174
20	64QAM	50	50	22.40	0.174	22.41	0.174	22.35	0.172
20	64QAM	100	0	22.28	0.169	22.25	0.168	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				18675		18900		19125	
Frequency (MHz)				1857.5		1880		1902.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	23.02	0.200	23.05	0.202	22.96	0.198
15	QPSK	1	37	22.81	0.191	23.17	0.207	23.05	0.202
15	QPSK	1	74	23.18	0.208	23.10	0.204	23.18	0.208
15	QPSK	36	0	22.15	0.164	22.24	0.167	22.23	0.167
15	QPSK	36	20	22.14	0.164	22.33	0.171	22.30	0.170
15	QPSK	36	39	22.26	0.168	22.27	0.169	22.24	0.167
15	QPSK	75	0	22.18	0.165	22.24	0.167	22.20	0.166
15	16QAM	1	0	22.27	0.169	22.35	0.172	22.29	0.169
15	16QAM	1	37	22.40	0.174	22.43	0.175	22.29	0.169
15	16QAM	1	74	22.35	0.172	22.47	0.177	22.47	0.177
15	16QAM	36	0	22.14	0.164	22.19	0.166	22.22	0.167
15	16QAM	36	20	22.23	0.167	22.16	0.164	22.29	0.169
15	16QAM	36	39	22.28	0.169	22.37	0.173	22.34	0.171
15	16QAM	75	0	22.15	0.164	22.17	0.165	22.26	0.168
15	64QAM	1	0	22.35	0.172	22.11	0.163	22.17	0.165
15	64QAM	1	37	22.34	0.171	22.15	0.164	22.57	0.181
15	64QAM	1	74	22.23	0.167	22.27	0.169	22.42	0.175
15	64QAM	36	0	22.08	0.161	22.25	0.168	22.13	0.163
15	64QAM	36	20	22.28	0.169	22.30	0.170	22.20	0.166
15	64QAM	36	39	22.16	0.164	22.21	0.166	22.30	0.170
15	64QAM	75	0	22.15	0.164	22.22	0.167	22.21	0.166



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	23.06	0.202	23.05	0.202	23.15	0.207
10	QPSK	1	25	23.10	0.204	23.13	0.206	23.08	0.203
10	QPSK	1	49	23.06	0.202	23.07	0.203	23.06	0.202
10	QPSK	25	0	22.33	0.171	22.34	0.171	22.30	0.170
10	QPSK	25	12	22.29	0.169	22.41	0.174	22.34	0.171
10	QPSK	25	25	22.20	0.166	22.33	0.171	22.29	0.169
10	QPSK	50	0	22.26	0.168	22.35	0.172	22.33	0.171
10	16QAM	1	0	22.74	0.188	22.67	0.185	22.66	0.185
10	16QAM	1	25	22.43	0.175	22.39	0.173	22.46	0.176
10	16QAM	1	49	22.38	0.173	22.46	0.176	22.25	0.168
10	16QAM	25	0	22.28	0.169	22.27	0.169	22.24	0.167
10	16QAM	25	12	22.44	0.175	22.24	0.167	22.24	0.167
10	16QAM	25	25	22.24	0.167	22.44	0.175	22.54	0.179
10	16QAM	50	0	22.81	0.191	22.74	0.188	22.78	0.190
10	64QAM	1	0	22.32	0.171	22.37	0.173	22.37	0.173
10	64QAM	1	25	22.35	0.172	22.40	0.174	22.44	0.175
10	64QAM	1	49	22.02	0.159	22.15	0.164	22.12	0.163
10	64QAM	25	0	22.32	0.171	22.36	0.172	22.37	0.173
10	64QAM	25	12	22.35	0.172	22.33	0.171	22.34	0.171
10	64QAM	25	25	22.28	0.169	22.06	0.161	22.28	0.169
10	64QAM	50	0	22.29	0.169	22.29	0.169	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				18625		18900		19175	
Frequency (MHz)				1852.5		1880		1907.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	23.06	0.202	23.11	0.205	23.05	0.202
5	QPSK	1	12	23.05	0.202	23.00	0.200	23.03	0.201
5	QPSK	1	24	23.01	0.200	23.09	0.204	23.10	0.204
5	QPSK	12	0	22.18	0.165	22.09	0.162	22.16	0.164
5	QPSK	12	7	22.19	0.166	22.24	0.167	22.16	0.164
5	QPSK	12	13	22.18	0.165	22.17	0.165	22.20	0.166
5	QPSK	25	0	22.17	0.165	22.15	0.164	22.17	0.165
5	16QAM	1	0	22.30	0.170	22.20	0.166	22.58	0.181
5	16QAM	1	12	22.28	0.169	22.21	0.166	22.58	0.181
5	16QAM	1	24	22.31	0.170	22.18	0.165	22.57	0.181
5	16QAM	12	0	22.40	0.174	22.54	0.179	22.40	0.174
5	16QAM	12	7	22.30	0.170	22.30	0.170	22.10	0.162
5	16QAM	12	13	22.10	0.162	22.43	0.175	22.20	0.166
5	16QAM	25	0	22.20	0.166	22.66	0.185	22.64	0.184
5	64QAM	1	0	22.40	0.174	22.12	0.163	22.17	0.165
5	64QAM	1	12	22.56	0.180	22.22	0.167	22.33	0.171
5	64QAM	1	24	22.57	0.181	22.21	0.166	22.23	0.167
5	64QAM	12	0	22.22	0.167	22.15	0.164	22.14	0.164
5	64QAM	12	7	22.28	0.169	22.12	0.163	22.12	0.163
5	64QAM	12	13	22.25	0.168	22.21	0.166	22.19	0.166
5	64QAM	25	0	22.32	0.171	22.12	0.163	22.19	0.166



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	23.00	0.200	23.07	0.203	22.99	0.199
3	QPSK	1	8	23.10	0.204	23.13	0.206	22.96	0.198
3	QPSK	1	14	23.11	0.205	22.98	0.199	22.98	0.199
3	QPSK	8	0	22.06	0.161	22.01	0.159	22.03	0.160
3	QPSK	8	4	22.12	0.163	22.06	0.161	22.07	0.161
3	QPSK	8	7	22.12	0.163	22.06	0.161	22.02	0.159
3	QPSK	15	0	22.04	0.160	22.12	0.163	22.05	0.160
3	16QAM	1	0	22.20	0.166	22.11	0.163	22.05	0.160
3	16QAM	1	8	22.24	0.167	22.18	0.165	22.14	0.164
3	16QAM	1	14	22.17	0.165	22.14	0.164	22.02	0.159
3	16QAM	8	0	22.60	0.182	22.73	0.187	22.65	0.184
3	16QAM	8	4	22.67	0.185	22.64	0.184	22.70	0.186
3	16QAM	8	7	22.57	0.181	22.62	0.183	22.65	0.184
3	16QAM	15	0	22.60	0.182	22.64	0.184	22.59	0.182
3	64QAM	1	0	22.13	0.163	22.06	0.161	22.09	0.162
3	64QAM	1	8	22.55	0.180	22.54	0.179	22.14	0.164
3	64QAM	1	14	22.16	0.164	22.52	0.179	22.16	0.164
3	64QAM	8	0	22.08	0.161	22.10	0.162	21.94	0.156
3	64QAM	8	4	22.18	0.165	22.08	0.161	22.08	0.161
3	64QAM	8	7	22.28	0.169	22.17	0.165	22.03	0.160
3	64QAM	15	0	22.13	0.163	22.13	0.163	22.11	0.163



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	23.06	0.202	23.09	0.204	23.04	0.201
1.4	QPSK	1	3	22.96	0.198	22.94	0.197	22.93	0.196
1.4	QPSK	1	5	22.93	0.196	22.91	0.195	22.89	0.195
1.4	QPSK	3	0	22.93	0.196	22.93	0.196	22.89	0.195
1.4	QPSK	3	1	22.97	0.198	22.94	0.197	22.92	0.196
1.4	QPSK	3	3	22.99	0.199	23.03	0.201	22.92	0.196
1.4	QPSK	6	0	22.02	0.159	22.00	0.158	21.99	0.158
1.4	16QAM	1	0	22.05	0.160	22.05	0.160	21.99	0.158
1.4	16QAM	1	3	22.01	0.159	22.21	0.166	22.19	0.166
1.4	16QAM	1	5	21.89	0.155	22.09	0.162	21.77	0.150
1.4	16QAM	3	0	21.91	0.155	21.96	0.157	21.93	0.156
1.4	16QAM	3	1	22.09	0.162	21.91	0.155	21.96	0.157
1.4	16QAM	3	3	22.11	0.163	22.08	0.161	21.82	0.152
1.4	16QAM	6	0	22.12	0.163	22.05	0.160	22.00	0.158
1.4	64QAM	1	0	22.00	0.158	21.92	0.156	21.95	0.157
1.4	64QAM	1	3	22.02	0.159	22.23	0.167	22.11	0.163
1.4	64QAM	1	5	22.00	0.158	22.35	0.172	21.94	0.156
1.4	64QAM	3	0	22.03	0.160	22.09	0.162	22.10	0.162
1.4	64QAM	3	1	22.12	0.163	22.09	0.162	22.30	0.170
1.4	64QAM	3	3	22.04	0.160	22.18	0.165	21.95	0.157
1.4	64QAM	6	0	22.09	0.162	22.12	0.163	22.01	0.159



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	23.15	0.207	23.23	0.210	23.22	0.210
20	QPSK	1	49	23.01	0.200	23.09	0.204	23.08	0.203
20	QPSK	1	99	22.93	0.196	23.06	0.202	23.18	0.208
20	QPSK	50	0	22.31	0.170	22.35	0.172	22.32	0.171
20	QPSK	50	24	22.22	0.167	22.30	0.170	22.30	0.170
20	QPSK	50	50	22.11	0.163	22.22	0.167	22.23	0.167
20	QPSK	100	0	22.21	0.166	22.25	0.168	22.32	0.171
20	16QAM	1	0	22.08	0.161	22.38	0.173	22.25	0.168
20	16QAM	1	49	22.23	0.167	22.00	0.158	22.14	0.164
20	16QAM	1	99	22.02	0.159	22.24	0.167	22.08	0.161
20	16QAM	50	0	22.21	0.166	22.14	0.164	22.28	0.169
20	16QAM	50	24	22.47	0.177	22.58	0.181	22.47	0.177
20	16QAM	50	50	22.43	0.175	22.44	0.175	22.44	0.175
20	16QAM	100	0	22.45	0.176	22.53	0.179	22.54	0.179
20	64QAM	1	0	22.19	0.166	22.30	0.170	22.52	0.179
20	64QAM	1	49	22.23	0.167	22.16	0.164	22.04	0.160
20	64QAM	1	99	22.50	0.178	22.07	0.161	22.54	0.179
20	64QAM	50	0	22.20	0.166	22.29	0.169	22.24	0.167
20	64QAM	50	24	22.22	0.167	22.33	0.171	22.27	0.169
20	64QAM	50	50	22.26	0.168	22.21	0.166	22.23	0.167
20	64QAM	100	0	22.29	0.169	22.27	0.169	22.36	0.172



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	23.02	0.200	23.06	0.202	23.16	0.207
15	QPSK	1	37	23.06	0.202	23.15	0.207	23.07	0.203
15	QPSK	1	74	22.93	0.196	23.15	0.207	23.18	0.208
15	QPSK	36	0	22.16	0.164	22.23	0.167	22.26	0.168
15	QPSK	36	20	22.20	0.166	22.33	0.171	22.29	0.169
15	QPSK	36	39	22.25	0.168	22.24	0.167	22.33	0.171
15	QPSK	75	0	22.20	0.166	22.22	0.167	22.23	0.167
15	16QAM	1	0	22.14	0.164	22.36	0.172	22.08	0.161
15	16QAM	1	37	22.22	0.167	22.22	0.167	22.06	0.161
15	16QAM	1	74	22.08	0.161	22.38	0.173	22.17	0.165
15	16QAM	36	0	22.09	0.162	22.11	0.163	22.30	0.170
15	16QAM	36	20	22.04	0.160	22.11	0.163	22.17	0.165
15	16QAM	36	39	22.00	0.158	22.09	0.162	22.15	0.164
15	16QAM	75	0	22.11	0.163	22.12	0.163	22.21	0.166
15	64QAM	1	0	22.06	0.161	22.37	0.173	22.42	0.175
15	64QAM	1	37	22.48	0.177	22.24	0.167	22.30	0.170
15	64QAM	1	74	22.52	0.179	22.23	0.167	22.27	0.169
15	64QAM	36	0	22.17	0.165	22.24	0.167	22.28	0.169
15	64QAM	36	20	22.23	0.167	22.25	0.168	22.27	0.169
15	64QAM	36	39	22.26	0.168	22.22	0.167	22.24	0.167
15	64QAM	75	0	22.19	0.166	22.30	0.170	22.23	0.167



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	23.14	0.206	23.13	0.206	22.96	0.198
10	QPSK	1	25	23.12	0.205	23.05	0.202	23.06	0.202
10	QPSK	1	49	23.00	0.200	22.83	0.192	23.06	0.202
10	QPSK	25	0	21.99	0.158	22.21	0.166	22.23	0.167
10	QPSK	25	12	22.11	0.163	22.17	0.165	22.21	0.166
10	QPSK	25	25	22.00	0.158	22.11	0.163	22.18	0.165
10	QPSK	50	0	22.06	0.161	22.16	0.164	22.08	0.161
10	16QAM	1	0	22.05	0.160	22.20	0.166	21.96	0.157
10	16QAM	1	25	22.32	0.171	22.06	0.161	22.38	0.173
10	16QAM	1	49	22.39	0.173	22.29	0.169	22.28	0.169
10	16QAM	25	0	22.05	0.160	22.04	0.160	22.03	0.160
10	16QAM	25	12	21.97	0.157	22.07	0.161	22.04	0.160
10	16QAM	25	25	22.31	0.170	22.22	0.167	22.31	0.170
10	16QAM	50	0	22.25	0.168	22.29	0.169	22.41	0.174
10	64QAM	1	0	22.11	0.163	22.19	0.166	22.09	0.162
10	64QAM	1	25	22.18	0.165	22.47	0.177	22.56	0.180
10	64QAM	1	49	22.16	0.164	22.20	0.166	22.15	0.164
10	64QAM	25	0	22.00	0.158	22.14	0.164	22.13	0.163
10	64QAM	25	12	22.09	0.162	22.20	0.166	22.24	0.167
10	64QAM	25	25	21.97	0.157	22.09	0.162	22.11	0.163
10	64QAM	50	0	22.03	0.160	22.10	0.162	22.09	0.162



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	23.11	0.205	23.06	0.202	23.11	0.205
5	QPSK	1	12	23.10	0.204	23.05	0.202	23.02	0.200
5	QPSK	1	24	22.85	0.193	22.97	0.198	22.96	0.198
5	QPSK	12	0	22.07	0.161	22.07	0.161	22.11	0.163
5	QPSK	12	7	22.07	0.161	22.18	0.165	22.15	0.164
5	QPSK	12	13	22.02	0.159	22.19	0.166	22.11	0.163
5	QPSK	25	0	22.05	0.160	22.09	0.162	22.15	0.164
5	16QAM	1	0	21.95	0.157	22.36	0.172	22.04	0.160
5	16QAM	1	12	22.06	0.161	22.41	0.174	22.00	0.158
5	16QAM	1	24	22.00	0.158	22.35	0.172	21.95	0.157
5	16QAM	12	0	21.99	0.158	21.93	0.156	21.96	0.157
5	16QAM	12	7	22.02	0.159	22.06	0.161	22.04	0.160
5	16QAM	12	13	22.29	0.169	22.36	0.172	22.40	0.174
5	16QAM	25	0	22.30	0.170	22.41	0.174	22.34	0.171
5	64QAM	1	0	22.07	0.161	22.51	0.178	22.49	0.177
5	64QAM	1	12	22.45	0.176	22.21	0.166	22.48	0.177
5	64QAM	1	24	22.41	0.174	22.11	0.163	22.18	0.165
5	64QAM	12	0	22.08	0.161	22.15	0.164	22.17	0.165
5	64QAM	12	7	22.07	0.161	22.16	0.164	22.22	0.167
5	64QAM	12	13	22.08	0.161	22.14	0.164	22.13	0.163
5	64QAM	25	0	22.03	0.160	22.17	0.165	22.08	0.161



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19965		20175		20385	
Frequency (MHz)				1711.5		1732.5		1753.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	22.96	0.198	22.97	0.198	23.09	0.204
3	QPSK	1	8	23.05	0.202	23.19	0.208	23.13	0.206
3	QPSK	1	14	22.85	0.193	23.04	0.201	23.04	0.201
3	QPSK	8	0	22.05	0.160	22.11	0.163	22.12	0.163
3	QPSK	8	4	22.11	0.163	22.19	0.166	22.21	0.166
3	QPSK	8	7	22.07	0.161	22.17	0.165	22.17	0.165
3	QPSK	15	0	22.07	0.161	22.13	0.163	22.07	0.161
3	16QAM	1	0	22.15	0.164	22.24	0.167	22.28	0.169
3	16QAM	1	8	22.37	0.173	22.37	0.173	22.11	0.163
3	16QAM	1	14	22.28	0.169	22.06	0.161	22.14	0.164
3	16QAM	8	0	22.07	0.161	22.08	0.161	22.17	0.165
3	16QAM	8	4	22.17	0.165	22.17	0.165	22.18	0.165
3	16QAM	8	7	22.39	0.173	22.47	0.177	22.51	0.178
3	16QAM	15	0	22.39	0.173	22.37	0.173	22.44	0.175
3	64QAM	1	0	22.06	0.161	22.15	0.164	22.13	0.163
3	64QAM	1	8	22.25	0.168	22.13	0.163	22.29	0.169
3	64QAM	1	14	22.06	0.161	22.13	0.163	21.96	0.157
3	64QAM	8	0	22.04	0.160	22.08	0.161	22.02	0.159
3	64QAM	8	4	22.16	0.164	22.14	0.164	22.18	0.165
3	64QAM	8	7	22.10	0.162	22.17	0.165	22.29	0.169
3	64QAM	15	0	22.06	0.161	22.14	0.164	22.05	0.160



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	23.11	0.205	23.16	0.207	23.14	0.206
1.4	QPSK	1	3	23.05	0.202	23.05	0.202	23.09	0.204
1.4	QPSK	1	5	22.91	0.195	23.00	0.200	23.02	0.200
1.4	QPSK	3	0	22.99	0.199	22.96	0.198	22.95	0.197
1.4	QPSK	3	1	22.95	0.197	23.05	0.202	23.10	0.204
1.4	QPSK	3	3	22.94	0.197	23.01	0.200	23.00	0.200
1.4	QPSK	6	0	22.10	0.162	22.12	0.163	22.08	0.161
1.4	16QAM	1	0	22.04	0.160	22.51	0.178	22.17	0.165
1.4	16QAM	1	3	22.17	0.165	22.25	0.168	22.29	0.169
1.4	16QAM	1	5	22.23	0.167	22.39	0.173	22.19	0.166
1.4	16QAM	3	0	22.26	0.168	22.30	0.170	22.21	0.166
1.4	16QAM	3	1	22.27	0.169	22.30	0.170	22.32	0.171
1.4	16QAM	3	3	22.26	0.168	22.38	0.173	22.27	0.169
1.4	16QAM	6	0	22.17	0.165	22.18	0.165	22.09	0.162
1.4	64QAM	1	0	21.95	0.157	21.89	0.155	22.03	0.160
1.4	64QAM	1	3	22.21	0.166	22.19	0.166	22.31	0.170
1.4	64QAM	1	5	22.12	0.163	22.08	0.161	21.92	0.156
1.4	64QAM	3	0	22.03	0.160	22.01	0.159	22.20	0.166
1.4	64QAM	3	1	21.94	0.156	22.09	0.162	22.06	0.161
1.4	64QAM	3	3	22.00	0.158	22.17	0.165	22.05	0.160
1.4	64QAM	6	0	21.99	0.158	22.00	0.158	22.07	0.161



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	18.92	0.078	18.93	0.078	18.85	0.077
10	QPSK	1	25	18.78	0.076	18.81	0.076	18.61	0.073
10	QPSK	1	49	18.70	0.074	18.82	0.076	18.50	0.071
10	QPSK	25	0	18.01	0.063	18.03	0.064	17.84	0.061
10	QPSK	25	12	17.77	0.060	17.79	0.060	17.84	0.061
10	QPSK	25	25	17.77	0.060	17.88	0.061	17.93	0.062
10	QPSK	50	0	17.83	0.061	17.71	0.059	17.85	0.061
10	16QAM	1	0	17.87	0.061	18.06	0.064	17.77	0.060
10	16QAM	1	25	18.10	0.065	18.13	0.065	17.81	0.060
10	16QAM	1	49	17.93	0.062	17.99	0.063	18.06	0.064
10	16QAM	25	0	18.02	0.063	18.03	0.064	17.85	0.061
10	16QAM	25	12	17.96	0.063	18.04	0.064	17.82	0.061
10	16QAM	25	25	17.99	0.063	17.92	0.062	17.95	0.062
10	16QAM	50	0	18.00	0.063	17.91	0.062	17.81	0.060
10	64QAM	1	0	17.96	0.063	18.06	0.064	17.94	0.062
10	64QAM	1	25	17.93	0.062	18.13	0.065	17.93	0.062
10	64QAM	1	49	17.82	0.061	18.04	0.064	17.95	0.062
10	64QAM	25	0	17.93	0.062	18.04	0.064	17.71	0.059
10	64QAM	25	12	17.92	0.062	18.09	0.064	17.80	0.060
10	64QAM	25	25	18.04	0.064	17.93	0.062	17.63	0.058
10	64QAM	50	0	18.00	0.063	17.96	0.063	17.82	0.061



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	18.87	0.077	18.83	0.076	18.81	0.076
5	QPSK	1	12	18.77	0.075	18.88	0.077	18.72	0.074
5	QPSK	1	24	18.77	0.075	18.72	0.074	18.72	0.074
5	QPSK	12	0	17.92	0.062	17.97	0.063	17.83	0.061
5	QPSK	12	7	17.99	0.063	18.00	0.063	17.92	0.062
5	QPSK	12	13	18.04	0.064	17.88	0.061	17.83	0.061
5	QPSK	25	0	17.95	0.062	17.91	0.062	17.83	0.061
5	16QAM	1	0	18.24	0.067	18.17	0.066	17.93	0.062
5	16QAM	1	12	17.94	0.062	18.16	0.065	17.92	0.062
5	16QAM	1	24	17.81	0.060	18.16	0.065	17.99	0.063
5	16QAM	12	0	17.90	0.062	17.99	0.063	17.98	0.063
5	16QAM	12	7	17.97	0.063	18.00	0.063	17.82	0.061
5	16QAM	12	13	17.97	0.063	17.88	0.061	17.93	0.062
5	16QAM	25	0	17.98	0.063	18.03	0.064	17.98	0.063
5	64QAM	1	0	18.05	0.064	17.93	0.062	18.04	0.064
5	64QAM	1	12	17.93	0.062	17.87	0.061	18.01	0.063
5	64QAM	1	24	18.07	0.064	17.91	0.062	17.85	0.061
5	64QAM	12	0	17.79	0.060	17.93	0.062	17.73	0.059
5	64QAM	12	7	17.83	0.061	17.99	0.063	17.77	0.060
5	64QAM	12	13	18.01	0.063	17.96	0.063	17.53	0.057
5	64QAM	25	0	17.89	0.062	17.96	0.063	17.57	0.057



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	18.86	0.077	18.87	0.077	18.72	0.074
3	QPSK	1	8	18.82	0.076	18.83	0.076	18.74	0.075
3	QPSK	1	14	18.83	0.076	18.81	0.076	18.55	0.072
3	QPSK	8	0	17.85	0.061	17.98	0.063	17.96	0.063
3	QPSK	8	4	17.99	0.063	18.05	0.064	18.02	0.063
3	QPSK	8	7	17.94	0.062	17.96	0.063	17.83	0.061
3	QPSK	15	0	17.92	0.062	17.98	0.063	17.97	0.063
3	16QAM	1	0	17.94	0.062	18.05	0.064	18.12	0.065
3	16QAM	1	8	17.87	0.061	18.13	0.065	17.97	0.063
3	16QAM	1	14	17.92	0.062	18.18	0.066	17.93	0.062
3	16QAM	8	0	17.88	0.061	17.97	0.063	17.71	0.059
3	16QAM	8	4	18.04	0.064	18.15	0.065	17.72	0.059
3	16QAM	8	7	17.96	0.063	18.02	0.063	17.76	0.060
3	16QAM	15	0	17.90	0.062	17.92	0.062	17.47	0.056
3	64QAM	1	0	17.85	0.061	17.73	0.059	17.94	0.062
3	64QAM	1	8	17.73	0.059	17.97	0.063	17.73	0.059
3	64QAM	1	14	17.75	0.060	17.93	0.062	17.74	0.059
3	64QAM	8	0	17.85	0.061	17.95	0.062	17.93	0.062
3	64QAM	8	4	18.07	0.064	17.91	0.062	17.85	0.061
3	64QAM	8	7	18.02	0.063	17.94	0.062	17.91	0.062
3	64QAM	15	0	17.91	0.062	18.01	0.063	17.81	0.060



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	18.87	0.077	18.84	0.077	18.88	0.077
1.4	QPSK	1	3	18.90	0.078	18.83	0.076	18.90	0.078
1.4	QPSK	1	5	18.79	0.076	18.73	0.075	18.74	0.075
1.4	QPSK	3	0	18.80	0.076	18.86	0.077	18.82	0.076
1.4	QPSK	3	1	18.86	0.077	18.73	0.075	18.83	0.076
1.4	QPSK	3	3	18.87	0.077	18.79	0.076	18.79	0.076
1.4	QPSK	6	0	17.90	0.062	17.89	0.062	17.88	0.061
1.4	16QAM	1	0	18.03	0.064	17.84	0.061	18.01	0.063
1.4	16QAM	1	3	17.83	0.061	18.07	0.064	17.96	0.063
1.4	16QAM	1	5	18.22	0.066	17.90	0.062	17.96	0.063
1.4	16QAM	3	0	17.75	0.060	17.73	0.059	17.87	0.061
1.4	16QAM	3	1	17.78	0.060	18.05	0.064	17.91	0.062
1.4	16QAM	3	3	17.86	0.061	17.97	0.063	17.85	0.061
1.4	16QAM	6	0	18.05	0.064	17.92	0.062	17.96	0.063
1.4	64QAM	1	0	17.58	0.057	17.75	0.060	17.77	0.060
1.4	64QAM	1	3	17.89	0.062	17.90	0.062	17.85	0.061
1.4	64QAM	1	5	17.84	0.061	17.83	0.061	17.71	0.059
1.4	64QAM	3	0	17.50	0.056	17.77	0.060	17.78	0.060
1.4	64QAM	3	1	17.78	0.060	17.72	0.059	17.73	0.059
1.4	64QAM	3	3	17.68	0.059	17.85	0.061	17.89	0.062
1.4	64QAM	6	0	17.89	0.062	18.01	0.063	17.90	0.062



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20850		21100		21350	
Frequency (MHz)				2510		2535		2560	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	23.25	0.211	23.26	0.212	23.18	0.208
20	QPSK	1	49	23.20	0.209	23.24	0.211	23.13	0.206
20	QPSK	1	99	23.15	0.207	23.10	0.204	23.15	0.207
20	QPSK	50	0	22.31	0.170	22.38	0.173	22.35	0.172
20	QPSK	50	24	22.07	0.161	22.04	0.160	21.94	0.156
20	QPSK	50	50	22.17	0.165	22.20	0.166	22.17	0.165
20	QPSK	100	0	22.12	0.163	22.14	0.164	22.11	0.163
20	16QAM	1	0	22.21	0.166	22.31	0.170	22.49	0.177
20	16QAM	1	49	22.36	0.172	22.22	0.167	22.50	0.178
20	16QAM	1	99	22.30	0.170	22.61	0.182	22.26	0.168
20	16QAM	50	0	22.15	0.164	22.25	0.168	22.18	0.165
20	16QAM	50	24	22.20	0.166	22.12	0.163	22.23	0.167
20	16QAM	50	50	22.28	0.169	22.33	0.171	22.16	0.164
20	16QAM	100	0	22.16	0.164	22.28	0.169	22.26	0.168
20	64QAM	1	0	22.04	0.160	22.20	0.166	22.22	0.167
20	64QAM	1	49	22.32	0.171	22.29	0.169	22.34	0.171
20	64QAM	1	99	22.30	0.170	22.35	0.172	22.26	0.168
20	64QAM	50	0	22.24	0.167	22.25	0.168	22.30	0.170
20	64QAM	50	24	22.29	0.169	22.30	0.170	22.30	0.170
20	64QAM	50	50	22.33	0.171	22.40	0.174	22.25	0.168
20	64QAM	100	0	22.26	0.168	22.23	0.167	22.35	0.172



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	23.08	0.203	23.17	0.207	23.17	0.207
15	QPSK	1	37	23.18	0.208	23.15	0.207	23.19	0.208
15	QPSK	1	74	23.12	0.205	23.19	0.208	23.19	0.208
15	QPSK	36	0	21.90	0.155	21.99	0.158	22.01	0.159
15	QPSK	36	20	21.98	0.158	22.05	0.160	22.00	0.158
15	QPSK	36	39	22.01	0.159	22.04	0.160	22.08	0.161
15	QPSK	75	0	22.07	0.161	22.00	0.158	22.02	0.159
15	16QAM	1	0	22.43	0.175	22.54	0.179	22.61	0.182
15	16QAM	1	37	22.25	0.168	22.36	0.172	22.34	0.171
15	16QAM	1	74	22.29	0.169	22.29	0.169	22.51	0.178
15	16QAM	36	0	21.88	0.154	21.99	0.158	22.01	0.159
15	16QAM	36	20	21.95	0.157	21.98	0.158	21.97	0.157
15	16QAM	36	39	22.01	0.159	21.99	0.158	21.88	0.154
15	16QAM	75	0	21.96	0.157	22.04	0.160	21.96	0.157
15	64QAM	1	0	22.14	0.164	22.11	0.163	21.99	0.158
15	64QAM	1	37	22.04	0.160	22.19	0.166	22.28	0.169
15	64QAM	1	74	22.03	0.160	22.15	0.164	22.21	0.166
15	64QAM	36	0	22.22	0.167	22.30	0.170	22.29	0.169
15	64QAM	36	20	22.33	0.171	22.32	0.171	22.39	0.173
15	64QAM	36	39	22.37	0.173	22.28	0.169	22.30	0.170
15	64QAM	75	0	22.22	0.167	22.32	0.171	22.27	0.169



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	23.07	0.203	22.94	0.197	22.97	0.198
10	QPSK	1	25	23.10	0.204	23.00	0.200	23.02	0.200
10	QPSK	1	49	23.03	0.201	23.00	0.200	23.02	0.200
10	QPSK	25	0	22.10	0.162	22.10	0.162	22.09	0.162
10	QPSK	25	12	22.06	0.161	22.18	0.165	22.23	0.167
10	QPSK	25	25	21.99	0.158	22.17	0.165	22.17	0.165
10	QPSK	50	0	22.08	0.161	22.20	0.166	22.19	0.166
10	16QAM	1	0	22.05	0.160	22.23	0.167	22.08	0.161
10	16QAM	1	25	22.04	0.160	22.06	0.161	22.11	0.163
10	16QAM	1	49	22.51	0.178	22.41	0.174	22.32	0.171
10	16QAM	25	0	22.22	0.167	22.10	0.162	22.18	0.165
10	16QAM	25	12	22.04	0.160	22.21	0.166	22.14	0.164
10	16QAM	25	25	22.09	0.162	22.12	0.163	22.04	0.160
10	16QAM	50	0	22.12	0.163	22.21	0.166	22.06	0.161
10	64QAM	1	0	22.14	0.164	22.10	0.162	22.08	0.161
10	64QAM	1	25	22.17	0.165	22.42	0.175	22.25	0.168
10	64QAM	1	49	22.28	0.169	22.52	0.179	22.33	0.171
10	64QAM	25	0	22.14	0.164	22.12	0.163	22.16	0.164
10	64QAM	25	12	22.16	0.164	22.27	0.169	22.20	0.166
10	64QAM	25	25	22.09	0.162	21.99	0.158	21.98	0.158
10	64QAM	50	0	22.03	0.160	22.09	0.162	22.01	0.159



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	23.11	0.205	23.02	0.200	22.92	0.196
5	QPSK	1	12	22.98	0.199	22.91	0.195	22.99	0.199
5	QPSK	1	24	22.92	0.196	22.98	0.199	23.02	0.200
5	QPSK	12	0	21.90	0.155	21.98	0.158	21.90	0.155
5	QPSK	12	7	21.97	0.157	22.12	0.163	22.04	0.160
5	QPSK	12	13	21.99	0.158	22.15	0.164	22.00	0.158
5	QPSK	25	0	22.00	0.158	22.01	0.159	21.96	0.157
5	16QAM	1	0	22.18	0.165	22.16	0.164	22.22	0.167
5	16QAM	1	12	21.95	0.157	22.17	0.165	22.07	0.161
5	16QAM	1	24	22.01	0.159	22.20	0.166	22.02	0.159
5	16QAM	12	0	22.20	0.166	22.26	0.168	22.17	0.165
5	16QAM	12	7	22.09	0.162	22.11	0.163	22.07	0.161
5	16QAM	12	13	22.09	0.162	22.15	0.164	22.28	0.169
5	16QAM	25	0	22.06	0.161	22.11	0.163	22.13	0.163
5	64QAM	1	0	22.24	0.167	22.29	0.169	22.25	0.168
5	64QAM	1	12	22.29	0.169	22.41	0.174	22.29	0.169
5	64QAM	1	24	22.33	0.171	22.43	0.175	22.39	0.173
5	64QAM	12	0	22.04	0.160	22.01	0.159	22.06	0.161
5	64QAM	12	7	22.13	0.163	22.18	0.165	21.97	0.157
5	64QAM	12	13	22.08	0.161	22.17	0.165	22.03	0.160
5	64QAM	25	0	22.03	0.160	22.02	0.159	22.07	0.161



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23060		23095		23130	
Frequency (MHz)				704		707.5		711	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	18.24	0.067	18.40	0.069	18.29	0.067
10	QPSK	1	25	18.10	0.065	18.23	0.067	18.26	0.067
10	QPSK	1	49	18.20	0.066	18.21	0.066	18.20	0.066
10	QPSK	25	0	17.49	0.056	17.59	0.057	17.50	0.056
10	QPSK	25	12	17.46	0.056	17.40	0.055	17.19	0.052
10	QPSK	25	25	17.51	0.056	17.57	0.057	17.50	0.056
10	QPSK	50	0	17.52	0.056	17.54	0.057	17.45	0.056
10	16QAM	1	0	17.45	0.056	17.00	0.050	17.13	0.052
10	16QAM	1	25	17.20	0.052	17.15	0.052	17.29	0.054
10	16QAM	1	49	17.29	0.054	17.34	0.054	17.23	0.053
10	16QAM	25	0	17.18	0.052	17.20	0.052	17.14	0.052
10	16QAM	25	12	17.22	0.053	17.26	0.053	17.15	0.052
10	16QAM	25	25	17.27	0.053	17.28	0.053	17.22	0.053
10	16QAM	50	0	17.17	0.052	17.25	0.053	17.30	0.054
10	64QAM	1	0	17.12	0.052	17.24	0.053	17.58	0.057
10	64QAM	1	25	17.56	0.057	17.62	0.058	17.21	0.053
10	64QAM	1	49	17.58	0.057	17.26	0.053	17.19	0.052
10	64QAM	25	0	17.64	0.058	17.58	0.057	17.55	0.057
10	64QAM	25	12	17.69	0.059	17.72	0.059	17.64	0.058
10	64QAM	25	25	17.74	0.059	17.71	0.059	17.71	0.059
10	64QAM	50	0	17.66	0.058	17.59	0.057	17.70	0.059



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23035		23095		23155	
Frequency (MHz)				701.5		707.5		713.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	17.99	0.063	18.32	0.068	18.10	0.065
5	QPSK	1	12	18.15	0.065	18.31	0.068	18.15	0.065
5	QPSK	1	24	18.11	0.065	18.30	0.068	18.16	0.065
5	QPSK	12	0	17.22	0.053	17.29	0.054	17.28	0.053
5	QPSK	12	7	17.33	0.054	17.35	0.054	17.32	0.054
5	QPSK	12	13	17.28	0.053	17.31	0.054	17.28	0.053
5	QPSK	25	0	17.24	0.053	17.36	0.054	17.32	0.054
5	16QAM	1	0	17.25	0.053	17.27	0.053	17.29	0.054
5	16QAM	1	12	17.42	0.055	17.37	0.055	17.38	0.055
5	16QAM	1	24	17.38	0.055	17.36	0.054	17.32	0.054
5	16QAM	12	0	17.12	0.052	17.09	0.051	17.12	0.052
5	16QAM	12	7	17.26	0.053	17.31	0.054	17.15	0.052
5	16QAM	12	13	17.21	0.053	17.18	0.052	17.23	0.053
5	16QAM	25	0	17.22	0.053	17.18	0.052	17.20	0.052
5	64QAM	1	0	17.48	0.056	17.49	0.056	17.54	0.057
5	64QAM	1	12	17.93	0.062	17.63	0.058	17.56	0.057
5	64QAM	1	24	17.91	0.062	17.60	0.058	17.65	0.058
5	64QAM	12	0	17.45	0.056	17.47	0.056	17.42	0.055
5	64QAM	12	7	17.55	0.057	17.43	0.055	17.49	0.056
5	64QAM	12	13	17.42	0.055	17.52	0.056	17.57	0.057
5	64QAM	25	0	17.57	0.057	17.53	0.057	17.50	0.056



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23025		23095		23165	
Frequency (MHz)				700.5		707.5		714.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	18.07	0.064	18.34	0.068	18.01	0.063
3	QPSK	1	8	18.25	0.067	18.24	0.067	18.14	0.065
3	QPSK	1	14	18.19	0.066	18.30	0.068	18.25	0.067
3	QPSK	8	0	17.30	0.054	17.28	0.053	17.28	0.053
3	QPSK	8	4	17.33	0.054	17.36	0.054	17.37	0.055
3	QPSK	8	7	17.28	0.053	17.36	0.054	17.30	0.054
3	QPSK	15	0	17.27	0.053	17.35	0.054	17.21	0.053
3	16QAM	1	0	17.28	0.053	17.64	0.058	17.23	0.053
3	16QAM	1	8	17.48	0.056	17.46	0.056	17.41	0.055
3	16QAM	1	14	17.31	0.054	17.36	0.054	17.22	0.053
3	16QAM	8	0	17.28	0.053	17.17	0.052	17.20	0.052
3	16QAM	8	4	17.33	0.054	17.30	0.054	17.41	0.055
3	16QAM	8	7	17.17	0.052	17.20	0.052	17.26	0.053
3	16QAM	15	0	17.15	0.052	17.08	0.051	17.07	0.051
3	64QAM	1	0	17.49	0.056	17.83	0.061	17.82	0.061
3	64QAM	1	8	17.78	0.060	17.68	0.059	17.69	0.059
3	64QAM	1	14	17.71	0.059	17.56	0.057	17.67	0.058
3	64QAM	8	0	17.38	0.055	17.46	0.056	17.37	0.055
3	64QAM	8	4	17.47	0.056	17.51	0.056	17.50	0.056
3	64QAM	8	7	17.46	0.056	17.38	0.055	17.53	0.057
3	64QAM	15	0	17.45	0.056	17.47	0.056	17.39	0.055



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23017		23095		23173	
Frequency (MHz)				699.7		707.5		715.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	18.10	0.065	18.27	0.067	18.07	0.064
1.4	QPSK	1	3	18.21	0.066	18.20	0.066	18.22	0.066
1.4	QPSK	1	5	18.10	0.065	18.15	0.065	18.11	0.065
1.4	QPSK	3	0	18.05	0.064	18.18	0.066	18.16	0.065
1.4	QPSK	3	1	18.26	0.067	18.26	0.067	17.93	0.062
1.4	QPSK	3	3	18.21	0.066	18.23	0.067	18.19	0.066
1.4	QPSK	6	0	17.49	0.056	17.46	0.056	17.44	0.055
1.4	16QAM	1	0	17.53	0.057	17.47	0.056	17.32	0.054
1.4	16QAM	1	3	17.34	0.054	17.77	0.060	17.44	0.055
1.4	16QAM	1	5	17.46	0.056	17.47	0.056	17.46	0.056
1.4	16QAM	3	0	17.30	0.054	17.33	0.054	17.34	0.054
1.4	16QAM	3	1	17.46	0.056	17.54	0.057	17.38	0.055
1.4	16QAM	3	3	17.66	0.058	17.55	0.057	17.59	0.057
1.4	16QAM	6	0	17.46	0.056	17.44	0.055	17.46	0.056
1.4	64QAM	1	0	17.33	0.054	17.48	0.056	17.32	0.054
1.4	64QAM	1	3	17.45	0.056	17.38	0.055	17.43	0.055
1.4	64QAM	1	5	17.61	0.058	17.64	0.058	17.60	0.058
1.4	64QAM	3	0	17.51	0.056	17.52	0.056	17.35	0.054
1.4	64QAM	3	1	17.49	0.056	17.73	0.059	17.58	0.057
1.4	64QAM	3	3	17.51	0.056	17.35	0.054	17.51	0.056
1.4	64QAM	6	0	17.47	0.056	17.48	0.056	17.35	0.054



LTE Band 17				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23780		23790		23800	
Frequency (MHz)				709		710		711	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	18.35	0.068	18.38	0.069	18.35	0.068
10	QPSK	1	25	18.23	0.067	18.19	0.066	18.25	0.067
10	QPSK	1	49	18.16	0.065	18.19	0.066	18.14	0.065
10	QPSK	25	0	17.46	0.056	17.52	0.056	17.44	0.055
10	QPSK	25	12	17.31	0.054	17.25	0.053	17.39	0.055
10	QPSK	25	25	17.29	0.054	17.29	0.054	17.38	0.055
10	QPSK	50	0	17.42	0.055	17.29	0.054	17.30	0.054
10	16QAM	1	0	17.15	0.052	17.34	0.054	17.48	0.056
10	16QAM	1	25	17.36	0.054	17.65	0.058	17.49	0.056
10	16QAM	1	49	17.32	0.054	17.57	0.057	17.62	0.058
10	16QAM	25	0	17.26	0.053	17.50	0.056	17.49	0.056
10	16QAM	25	12	17.50	0.056	17.65	0.058	17.63	0.058
10	16QAM	25	25	17.33	0.054	17.59	0.057	17.64	0.058
10	16QAM	50	0	17.37	0.055	17.66	0.058	17.63	0.058
10	64QAM	1	0	17.34	0.054	17.67	0.058	17.35	0.054
10	64QAM	1	25	17.57	0.057	17.47	0.056	17.37	0.055
10	64QAM	1	49	17.31	0.054	17.34	0.054	17.34	0.054
10	64QAM	25	0	17.31	0.054	17.48	0.056	17.46	0.056
10	64QAM	25	12	17.23	0.053	17.31	0.054	17.48	0.056
10	64QAM	25	25	17.17	0.052	17.38	0.055	17.54	0.057
10	64QAM	50	0	17.24	0.053	17.47	0.056	17.48	0.056



LTE Band 17				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23755		23790		23825	
Frequency (MHz)				706.5		710		713.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	18.29	0.067	18.25	0.067	18.21	0.066
5	QPSK	1	12	18.28	0.067	18.24	0.067	18.23	0.067
5	QPSK	1	24	18.20	0.066	18.26	0.067	18.25	0.067
5	QPSK	12	0	17.36	0.054	17.54	0.057	17.70	0.059
5	QPSK	12	7	17.48	0.056	17.57	0.057	17.65	0.058
5	QPSK	12	13	17.31	0.054	17.59	0.057	17.65	0.058
5	QPSK	25	0	17.34	0.054	17.51	0.056	17.64	0.058
5	16QAM	1	0	17.82	0.061	17.87	0.061	17.59	0.057
5	16QAM	1	12	17.99	0.063	17.55	0.057	17.92	0.062
5	16QAM	1	24	17.83	0.061	17.88	0.061	18.04	0.064
5	16QAM	12	0	17.27	0.053	17.30	0.054	17.51	0.056
5	16QAM	12	7	17.27	0.053	17.34	0.054	17.46	0.056
5	16QAM	12	13	17.18	0.052	17.43	0.055	17.46	0.056
5	16QAM	25	0	17.28	0.053	17.40	0.055	17.44	0.055
5	64QAM	1	0	17.26	0.053	17.27	0.053	17.27	0.053
5	64QAM	1	12	17.30	0.054	17.27	0.053	17.35	0.054
5	64QAM	1	24	17.17	0.052	17.17	0.052	17.09	0.051
5	64QAM	12	0	17.23	0.053	17.28	0.053	17.52	0.056
5	64QAM	12	7	17.36	0.054	17.44	0.055	17.38	0.055
5	64QAM	12	13	17.21	0.053	17.39	0.055	17.41	0.055
5	64QAM	25	0	17.18	0.052	17.37	0.055	17.53	0.057



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	23.22	0.210	23.28	0.213	23.26	0.212
20	QPSK	1	49	23.07	0.203	23.06	0.202	23.02	0.200
20	QPSK	1	99	23.00	0.200	22.99	0.199	23.02	0.200
20	QPSK	50	0	22.45	0.176	22.52	0.179	22.48	0.177
20	QPSK	50	24	22.26	0.168	22.28	0.169	22.41	0.174
20	QPSK	50	50	22.30	0.170	22.38	0.173	22.26	0.168
20	QPSK	100	0	22.28	0.169	22.28	0.169	22.20	0.166
20	16QAM	1	0	22.33	0.171	22.09	0.162	22.37	0.173
20	16QAM	1	49	22.38	0.173	22.12	0.163	22.18	0.165
20	16QAM	1	99	22.38	0.173	22.56	0.180	22.35	0.172
20	16QAM	50	0	22.50	0.178	22.47	0.177	22.44	0.175
20	16QAM	50	24	22.39	0.173	22.39	0.173	22.40	0.174
20	16QAM	50	50	22.14	0.164	22.06	0.161	22.02	0.159
20	16QAM	100	0	22.10	0.162	22.13	0.163	22.19	0.166
20	64QAM	1	0	22.43	0.175	22.20	0.166	22.53	0.179
20	64QAM	1	49	22.20	0.166	22.53	0.179	22.52	0.179
20	64QAM	1	99	22.43	0.175	22.55	0.180	22.63	0.183
20	64QAM	50	0	22.39	0.173	22.29	0.169	22.42	0.175
20	64QAM	50	24	22.33	0.171	22.27	0.169	22.39	0.173
20	64QAM	50	50	22.35	0.172	22.23	0.167	22.29	0.169
20	64QAM	100	0	22.34	0.171	22.34	0.171	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				132047		132322		132597	
Frequency (MHz)				1717.5		1745		1772.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	23.20	0.209	23.24	0.211	23.22	0.210
15	QPSK	1	37	23.24	0.211	23.20	0.209	23.18	0.208
15	QPSK	1	74	23.18	0.208	23.14	0.206	23.12	0.205
15	QPSK	36	0	22.17	0.165	22.14	0.164	22.18	0.165
15	QPSK	36	20	22.17	0.165	22.09	0.162	22.19	0.166
15	QPSK	36	39	22.03	0.160	22.08	0.161	22.05	0.160
15	QPSK	75	0	22.12	0.163	22.16	0.164	22.09	0.162
15	16QAM	1	0	22.11	0.163	21.98	0.158	22.28	0.169
15	16QAM	1	37	21.98	0.158	22.28	0.169	22.21	0.166
15	16QAM	1	74	22.08	0.161	21.98	0.158	21.98	0.158
15	16QAM	36	0	22.29	0.169	22.29	0.169	22.20	0.166
15	16QAM	36	20	22.32	0.171	22.31	0.170	22.37	0.173
15	16QAM	36	39	22.24	0.167	22.39	0.173	22.33	0.171
15	16QAM	75	0	22.12	0.163	22.10	0.162	22.06	0.161
15	64QAM	1	0	22.43	0.175	22.33	0.171	22.43	0.175
15	64QAM	1	37	22.45	0.176	22.23	0.167	22.33	0.171
15	64QAM	1	74	22.10	0.162	22.36	0.172	22.43	0.175
15	64QAM	36	0	22.22	0.167	22.21	0.166	22.34	0.171
15	64QAM	36	20	22.32	0.171	22.28	0.169	22.29	0.169
15	64QAM	36	39	22.21	0.166	22.15	0.164	22.19	0.166
15	64QAM	75	0	22.23	0.167	22.25	0.168	22.22	0.167



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	23.23	0.210	23.23	0.210	23.24	0.211
10	QPSK	1	25	23.13	0.206	23.11	0.205	23.19	0.208
10	QPSK	1	49	23.27	0.212	23.15	0.207	23.05	0.202
10	QPSK	25	0	22.48	0.177	22.41	0.174	22.48	0.177
10	QPSK	25	12	22.45	0.176	22.64	0.184	22.42	0.175
10	QPSK	25	25	22.41	0.174	22.37	0.173	22.29	0.169
10	QPSK	50	0	22.49	0.177	22.34	0.171	22.53	0.179
10	16QAM	1	0	22.41	0.174	22.41	0.174	22.61	0.182
10	16QAM	1	25	22.41	0.174	22.50	0.178	22.62	0.183
10	16QAM	1	49	22.24	0.167	22.44	0.175	22.32	0.171
10	16QAM	25	0	22.25	0.168	22.42	0.175	22.30	0.170
10	16QAM	25	12	22.24	0.167	22.44	0.175	22.35	0.172
10	16QAM	25	25	22.15	0.164	22.20	0.166	22.20	0.166
10	16QAM	50	0	22.31	0.170	22.35	0.172	22.36	0.172
10	64QAM	1	0	22.48	0.177	22.48	0.177	22.15	0.164
10	64QAM	1	25	22.15	0.164	22.28	0.169	22.18	0.165
10	64QAM	1	49	22.15	0.164	22.15	0.164	22.15	0.164
10	64QAM	25	0	22.48	0.177	22.46	0.176	22.48	0.177
10	64QAM	25	12	22.47	0.177	22.51	0.178	22.55	0.180
10	64QAM	25	25	22.47	0.177	22.40	0.174	22.42	0.175
10	64QAM	50	0	22.37	0.173	22.47	0.177	22.48	0.177



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	23.12	0.205	23.15	0.207	23.20	0.209
5	QPSK	1	12	23.15	0.207	23.15	0.207	23.14	0.206
5	QPSK	1	24	23.23	0.210	23.13	0.206	23.19	0.208
5	QPSK	12	0	22.17	0.165	22.19	0.166	22.15	0.164
5	QPSK	12	7	22.19	0.166	22.27	0.169	22.20	0.166
5	QPSK	12	13	22.05	0.160	22.11	0.163	22.12	0.163
5	QPSK	25	0	22.15	0.164	22.16	0.164	22.15	0.164
5	16QAM	1	0	22.64	0.184	22.33	0.171	22.34	0.171
5	16QAM	1	12	22.27	0.169	22.56	0.180	22.51	0.178
5	16QAM	1	24	22.39	0.173	22.28	0.169	22.63	0.183
5	16QAM	12	0	22.28	0.169	22.39	0.173	22.35	0.172
5	16QAM	12	7	22.45	0.176	22.37	0.173	22.49	0.177
5	16QAM	12	13	22.36	0.172	22.30	0.170	22.37	0.173
5	16QAM	25	0	22.37	0.173	22.39	0.173	22.31	0.170
5	64QAM	1	0	22.15	0.164	22.55	0.180	22.35	0.172
5	64QAM	1	12	22.45	0.176	22.45	0.176	22.45	0.176
5	64QAM	1	24	22.28	0.169	22.32	0.171	22.28	0.169
5	64QAM	12	0	22.52	0.179	22.27	0.169	22.48	0.177
5	64QAM	12	7	22.60	0.182	22.19	0.166	22.50	0.178
5	64QAM	12	13	22.43	0.175	22.55	0.180	22.50	0.178
5	64QAM	25	0	22.50	0.178	22.58	0.181	22.45	0.176



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	23.19	0.208	23.10	0.204	23.09	0.204
3	QPSK	1	8	23.06	0.202	23.07	0.203	23.15	0.207
3	QPSK	1	14	22.97	0.198	22.78	0.190	23.08	0.203
3	QPSK	8	0	22.43	0.175	22.40	0.174	22.44	0.175
3	QPSK	8	4	22.38	0.173	22.30	0.170	22.40	0.174
3	QPSK	8	7	22.24	0.167	22.29	0.169	22.26	0.168
3	QPSK	15	0	22.33	0.171	22.37	0.173	22.30	0.170
3	16QAM	1	0	22.02	0.159	22.43	0.175	22.19	0.166
3	16QAM	1	8	22.35	0.172	22.29	0.169	22.28	0.169
3	16QAM	1	14	22.39	0.173	22.28	0.169	21.98	0.158
3	16QAM	8	0	22.20	0.166	22.20	0.166	22.11	0.163
3	16QAM	8	4	22.23	0.167	22.22	0.167	22.28	0.169
3	16QAM	8	7	22.15	0.164	22.30	0.170	22.24	0.167
3	16QAM	15	0	22.25	0.168	22.23	0.167	22.19	0.166
3	64QAM	1	0	22.56	0.180	22.46	0.176	22.56	0.180
3	64QAM	1	8	22.58	0.181	22.36	0.172	22.46	0.176
3	64QAM	1	14	22.23	0.167	22.49	0.177	22.56	0.180
3	64QAM	8	0	22.35	0.172	22.34	0.171	22.47	0.177
3	64QAM	8	4	22.45	0.176	22.41	0.174	22.42	0.175
3	64QAM	8	7	22.34	0.171	22.28	0.169	22.32	0.171
3	64QAM	15	0	22.36	0.172	22.38	0.173	22.35	0.172



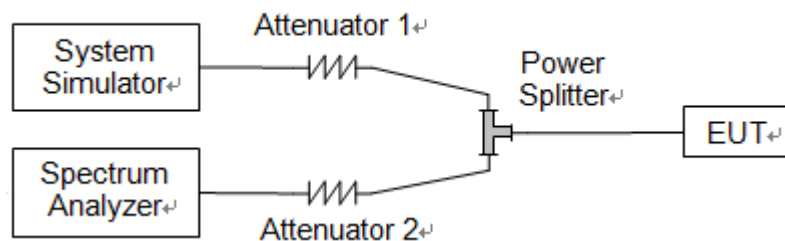
LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131979		132322		132665	
Frequency (MHz)				1710.7		1745		1779.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	23.13	0.206	23.04	0.201	23.05	0.202
1.4	QPSK	1	3	23.19	0.208	23.21	0.209	23.21	0.209
1.4	QPSK	1	5	23.11	0.205	22.99	0.199	23.15	0.207
1.4	QPSK	3	0	23.10	0.204	23.03	0.201	23.10	0.204
1.4	QPSK	3	1	23.07	0.203	23.13	0.206	23.04	0.201
1.4	QPSK	3	3	23.08	0.203	23.04	0.201	22.96	0.198
1.4	QPSK	6	0	22.46	0.176	22.31	0.170	22.50	0.178
1.4	16QAM	1	0	22.33	0.171	22.33	0.171	22.53	0.179
1.4	16QAM	1	3	22.33	0.171	22.42	0.175	22.54	0.179
1.4	16QAM	1	5	22.16	0.164	22.36	0.172	22.24	0.167
1.4	16QAM	3	0	22.11	0.163	22.08	0.161	22.34	0.171
1.4	16QAM	3	1	22.20	0.166	22.10	0.162	22.22	0.167
1.4	16QAM	3	3	22.21	0.166	22.22	0.167	22.16	0.164
1.4	16QAM	6	0	22.10	0.162	22.01	0.159	22.02	0.159
1.4	64QAM	1	0	22.61	0.182	22.46	0.176	22.62	0.183
1.4	64QAM	1	3	22.34	0.171	22.43	0.175	22.43	0.175
1.4	64QAM	1	5	22.31	0.170	22.31	0.170	22.42	0.175
1.4	64QAM	3	0	22.40	0.174	22.38	0.173	22.40	0.174
1.4	64QAM	3	1	22.39	0.173	22.43	0.175	22.47	0.177
1.4	64QAM	3	3	22.39	0.173	22.32	0.171	22.34	0.171
1.4	64QAM	6	0	22.29	0.169	22.39	0.173	22.40	0.174

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	1.26
	Low	16QAM	1.10	1.29
	Low	64QAM	1.10	1.30
	Mid	QPSK	1.10	1.28
	Mid	16QAM	1.10	1.29
	Mid	64QAM	1.10	1.30
	High	QPSK	1.09	1.31
	High	16QAM	1.10	1.36
	High	64QAM	1.10	1.30
3	Low	QPSK	2.69	2.92
	Low	16QAM	2.69	2.93
	Low	64QAM	2.70	2.92
	Mid	QPSK	2.69	2.92
	Mid	16QAM	2.69	2.93
	Mid	64QAM	2.69	2.93
	High	QPSK	2.69	2.93
	High	16QAM	2.69	3.10
	High	64QAM	2.70	2.93
5	Low	QPSK	4.50	4.92
	Low	16QAM	4.50	4.92
	Low	64QAM	4.50	4.95
	Mid	QPSK	4.50	4.93
	Mid	16QAM	4.50	4.94
	Mid	64QAM	4.50	4.94
	High	QPSK	4.50	5.04
	High	16QAM	4.50	5.07
	High	64QAM	4.50	4.92
10	Low	QPSK	8.99	9.75
	Low	16QAM	8.97	9.71
	Low	64QAM	8.98	9.75
	Mid	QPSK	9.00	9.75
	Mid	16QAM	8.97	9.70
	Mid	64QAM	8.98	9.71
	High	QPSK	8.98	9.67
	High	16QAM	8.94	9.72
	High	64QAM	8.96	9.74



15	Low	QPSK	13.49	14.57
	Low	16QAM	13.48	14.55
	Low	64QAM	13.46	14.66
	Mid	QPSK	13.50	14.56
	Mid	16QAM	13.46	14.55
	Mid	64QAM	13.45	14.57
	High	QPSK	13.46	14.55
	High	16QAM	13.41	14.53
	High	64QAM	13.40	14.76
20	Low	QPSK	17.98	19.43
	Low	16QAM	18.01	19.47
	Low	64QAM	17.98	19.52
	Mid	QPSK	17.95	19.32
	Mid	16QAM	17.97	19.32
	Mid	64QAM	17.96	19.30
	High	QPSK	17.92	19.25
	High	16QAM	17.96	19.25
	High	64QAM	17.93	19.38



LTE Band 4				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.29
	Low	16QAM	1.10	1.31
	Low	64QAM	1.10	1.30
	Mid	QPSK	1.09	1.28
	Mid	16QAM	1.10	1.30
	Mid	64QAM	1.10	1.30
	High	QPSK	1.10	1.26
	High	16QAM	1.10	1.29
	High	64QAM	1.10	1.30
3	Low	QPSK	2.69	2.93
	Low	16QAM	2.69	2.93
	Low	64QAM	2.70	2.92
	Mid	QPSK	2.69	2.92
	Mid	16QAM	2.69	2.93
	Mid	64QAM	2.70	2.92
	High	QPSK	2.69	2.92
	High	16QAM	2.69	3.01
	High	64QAM	2.69	2.91
5	Low	QPSK	4.50	4.95
	Low	16QAM	4.50	4.90
	Low	64QAM	4.50	4.94
	Mid	QPSK	4.50	4.94
	Mid	16QAM	4.50	5.15
	Mid	64QAM	4.50	4.91
	High	QPSK	4.50	4.91
	High	16QAM	4.50	4.93
	High	64QAM	4.50	4.91
10	Low	QPSK	9.02	9.74
	Low	16QAM	8.97	9.70
	Low	64QAM	8.98	9.77
	Mid	QPSK	9.00	10.54
	Mid	16QAM	8.98	10.66
	Mid	64QAM	8.97	10.36
	High	QPSK	9.00	9.72
	High	16QAM	8.96	9.71
	High	64QAM	8.97	9.78



15	Low	QPSK	13.47	14.60
	Low	16QAM	13.48	14.70
	Low	64QAM	13.46	14.57
	Mid	QPSK	13.52	15.10
	Mid	16QAM	13.48	15.23
	Mid	64QAM	13.45	14.71
	High	QPSK	13.48	14.60
	High	16QAM	13.46	14.63
	High	64QAM	13.43	14.61
20	Low	QPSK	18.00	19.28
	Low	16QAM	17.98	19.39
	Low	64QAM	17.99	19.50
	Mid	QPSK	17.98	19.44
	Mid	16QAM	17.99	19.38
	Mid	64QAM	17.97	19.52
	High	QPSK	17.95	19.47
	High	16QAM	17.96	19.10
	High	64QAM	17.94	19.34



LTE Band 5				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.27
	Low	16QAM	1.10	1.29
	Low	64QAM	1.10	1.29
	Mid	QPSK	1.09	1.28
	Mid	16QAM	1.10	1.30
	Mid	64QAM	1.10	1.28
	High	QPSK	1.09	1.26
	High	16QAM	1.10	1.30
	High	64QAM	1.10	1.30
3	Low	QPSK	2.69	2.91
	Low	16QAM	2.69	2.93
	Low	64QAM	2.69	2.92
	Mid	QPSK	2.69	2.92
	Mid	16QAM	2.69	2.92
	Mid	64QAM	2.70	2.91
	High	QPSK	2.70	2.91
	High	16QAM	2.70	3.14
	High	64QAM	2.69	2.92
5	Low	QPSK	4.49	4.92
	Low	16QAM	4.50	4.91
	Low	64QAM	4.51	4.93
	Mid	QPSK	4.50	5.48
	Mid	16QAM	4.51	5.06
	Mid	64QAM	4.50	4.89
	High	QPSK	4.50	4.91
	High	16QAM	4.50	4.90
	High	64QAM	4.50	4.90
10	Low	QPSK	9.01	9.74
	Low	16QAM	8.97	10.62
	Low	64QAM	8.98	9.69
	Mid	QPSK	8.99	9.75
	Mid	16QAM	8.97	9.73
	Mid	64QAM	8.98	9.76
	High	QPSK	9.00	9.73
	High	16QAM	8.97	9.73
	High	64QAM	8.98	9.80



LTE Band 7				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.51	4.92
	Low	16QAM	4.51	4.93
	Low	64QAM	4.51	4.99
	Mid	QPSK	4.50	4.97
	Mid	16QAM	4.50	4.94
	Mid	64QAM	4.51	4.93
	High	QPSK	4.50	4.95
	High	16QAM	4.51	4.97
	High	64QAM	4.50	4.94
10	Low	QPSK	9.00	9.69
	Low	16QAM	8.97	9.70
	Low	64QAM	8.98	10.34
	Mid	QPSK	9.00	9.76
	Mid	16QAM	8.97	9.67
	Mid	64QAM	8.98	9.78
	High	QPSK	9.01	9.72
	High	16QAM	8.97	9.67
	High	64QAM	8.99	9.77
15	Low	QPSK	13.46	14.53
	Low	16QAM	13.45	14.54
	Low	64QAM	13.44	14.63
	Mid	QPSK	13.51	14.55
	Mid	16QAM	13.48	14.70
	Mid	64QAM	13.46	14.67
	High	QPSK	13.48	14.60
	High	16QAM	13.46	14.61
	High	64QAM	13.46	14.59
20	Low	QPSK	17.94	19.32
	Low	16QAM	17.91	19.32
	Low	64QAM	17.91	19.46
	Mid	QPSK	17.96	19.35
	Mid	16QAM	17.99	19.42
	Mid	64QAM	17.98	19.46
	High	QPSK	17.92	19.29
	High	16QAM	17.95	19.40
	High	64QAM	17.95	19.40



LTE Band 12				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.28
	Low	16QAM	1.10	1.32
	Low	64QAM	1.10	1.28
	Mid	QPSK	1.10	1.28
	Mid	16QAM	1.10	1.29
	Mid	64QAM	1.10	1.27
	High	QPSK	1.10	1.27
	High	16QAM	1.10	1.30
	High	64QAM	1.10	1.30
3	Low	QPSK	2.70	3.21
	Low	16QAM	2.70	3.38
	Low	64QAM	2.70	2.92
	Mid	QPSK	2.69	2.92
	Mid	16QAM	2.69	2.93
	Mid	64QAM	2.70	2.92
	High	QPSK	2.69	2.91
	High	16QAM	2.69	2.93
	High	64QAM	2.70	2.91
5	Low	QPSK	4.52	5.16
	Low	16QAM	4.52	5.25
	Low	64QAM	4.51	5.14
	Mid	QPSK	4.51	5.15
	Mid	16QAM	4.51	5.16
	Mid	64QAM	4.52	5.18
	High	QPSK	4.52	5.19
	High	16QAM	4.51	5.20
	High	64QAM	4.54	5.19
10	Low	QPSK	9.03	10.00
	Low	16QAM	8.98	9.90
	Low	64QAM	9.00	10.03
	Mid	QPSK	9.01	9.97
	Mid	16QAM	8.98	10.06
	Mid	64QAM	9.02	10.02
	High	QPSK	9.01	10.07
	High	16QAM	8.99	10.01
	High	64QAM	9.01	10.06



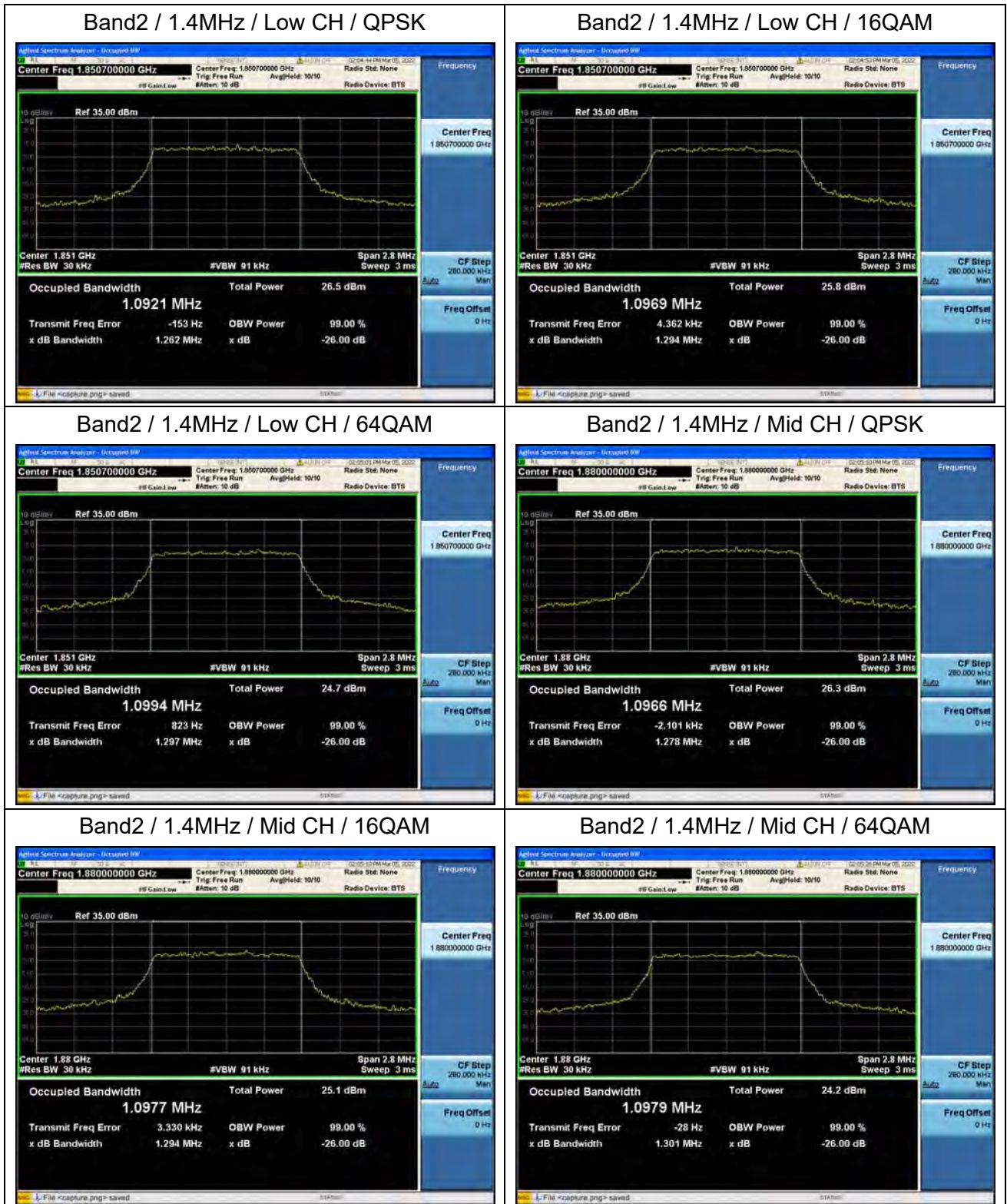
LTE Band 17				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.52	5.18
	Low	16QAM	4.52	5.19
	Low	64QAM	4.53	5.20
	Mid	QPSK	4.52	5.21
	Mid	16QAM	4.52	5.18
	Mid	64QAM	4.53	5.12
	High	QPSK	4.52	5.18
	High	16QAM	4.52	5.21
	High	64QAM	4.52	5.20
10	Low	QPSK	9.01	10.11
	Low	16QAM	8.99	9.89
	Low	64QAM	9.01	10.13
	Mid	QPSK	9.03	10.09
	Mid	16QAM	8.98	9.96
	Mid	64QAM	9.01	10.06
	High	QPSK	9.03	10.04
	High	16QAM	9.00	10.01
	High	64QAM	9.01	10.06



LTE Band 66				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.27
	Low	16QAM	1.10	1.29
	Low	64QAM	1.10	1.30
	Mid	QPSK	1.09	1.29
	Mid	16QAM	1.10	1.30
	Mid	64QAM	1.10	1.30
	High	QPSK	1.10	1.28
	High	16QAM	1.10	1.30
	High	64QAM	1.10	1.28
3	Low	QPSK	2.69	2.92
	Low	16QAM	2.69	2.93
	Low	64QAM	2.70	2.91
	Mid	QPSK	2.69	2.93
	Mid	16QAM	2.69	2.93
	Mid	64QAM	2.70	2.92
	High	QPSK	2.69	2.91
	High	16QAM	2.69	2.92
	High	64QAM	2.69	2.92
5	Low	QPSK	4.52	5.17
	Low	16QAM	4.51	5.09
	Low	64QAM	4.52	5.11
	Mid	QPSK	4.51	5.20
	Mid	16QAM	4.51	5.08
	Mid	64QAM	4.52	5.12
	High	QPSK	4.52	5.11
	High	16QAM	4.52	5.18
	High	64QAM	4.52	5.17
10	Low	QPSK	9.04	10.04
	Low	16QAM	8.99	9.87
	Low	64QAM	8.99	10.03
	Mid	QPSK	9.00	10.02
	Mid	16QAM	8.98	9.73
	Mid	64QAM	9.00	10.05
	High	QPSK	9.01	10.01
	High	16QAM	8.98	9.94
	High	64QAM	9.00	10.10



15	Low	QPSK	13.50	14.97
	Low	16QAM	13.52	15.08
	Low	64QAM	13.46	14.98
	Mid	QPSK	13.49	15.02
	Mid	16QAM	13.48	14.98
	Mid	64QAM	13.47	15.00
	High	QPSK	13.53	15.00
	High	16QAM	13.51	15.05
	High	64QAM	13.46	14.62
20	Low	QPSK	17.98	19.67
	Low	16QAM	18.01	19.77
	Low	64QAM	17.97	19.56
	Mid	QPSK	17.98	19.84
	Mid	16QAM	18.00	19.86
	Mid	64QAM	17.96	19.81
	High	QPSK	17.93	19.53
	High	16QAM	18.03	19.72
	High	64QAM	17.97	19.78

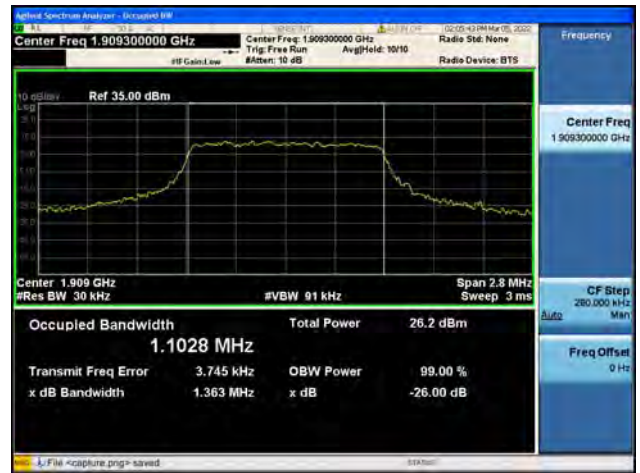




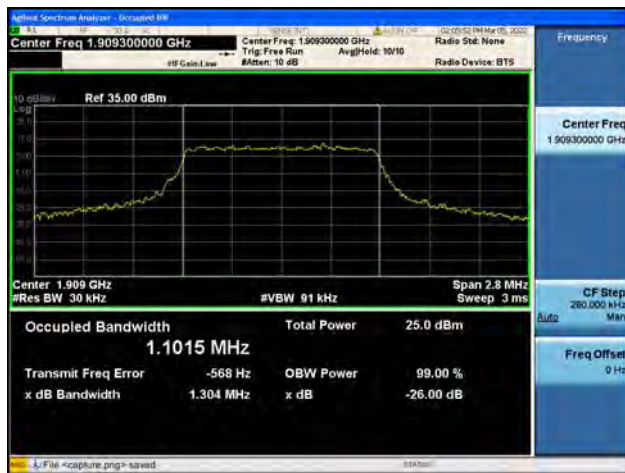
Band2 / 1.4MHz / High CH / QPSK



Band2 / 1.4MHz / High CH / 16QAM



Band2 / 1.4MHz / High CH / 64QAM



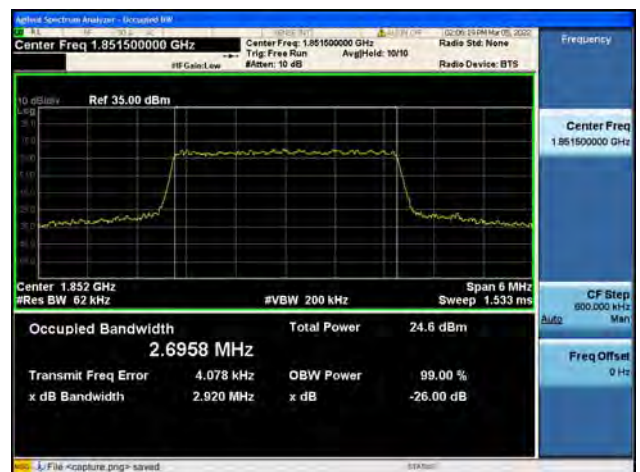
Band2 / 3MHz / Low CH / QPSK



Band2 / 3MHz / Low CH / 16QAM



Band2 / 3MHz / Low CH / 64QAM





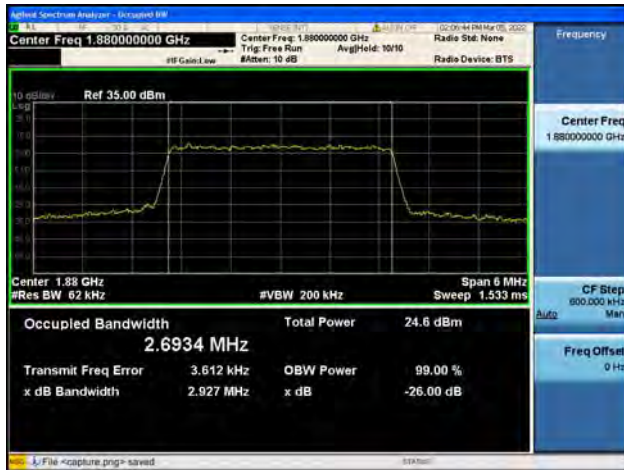
Band2 / 3MHz / Mid CH / QPSK



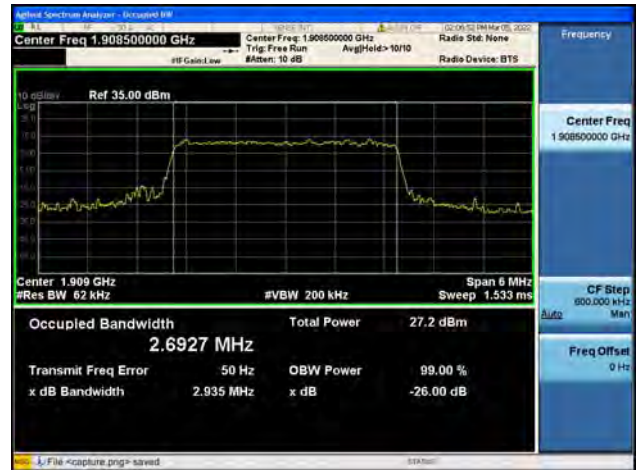
Band2 / 3MHz / Mid CH / 16QAM



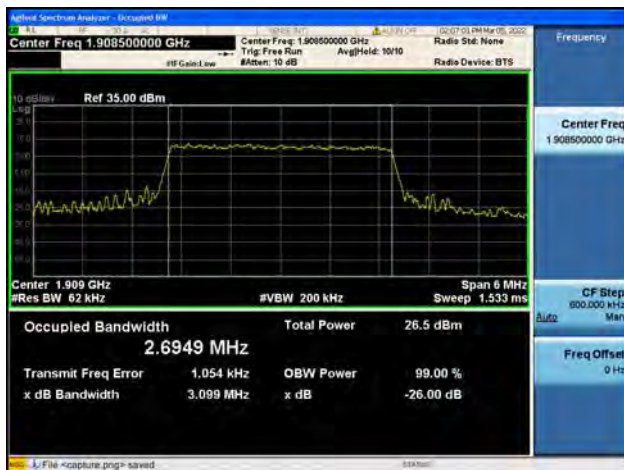
Band2 / 3MHz / Mid CH / 64QAM



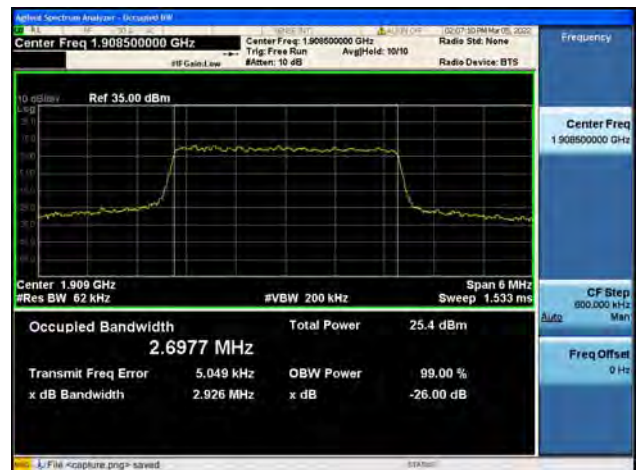
Band2 / 3MHz / High CH / QPSK



Band2 / 3MHz / High CH / 16QAM

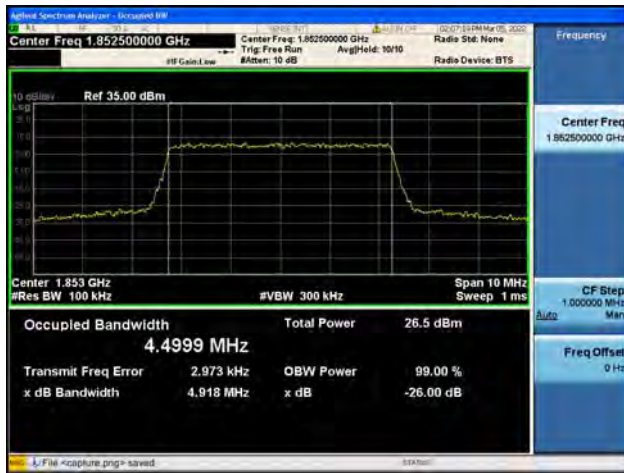


Band2 / 3MHz / High CH / 64QAM

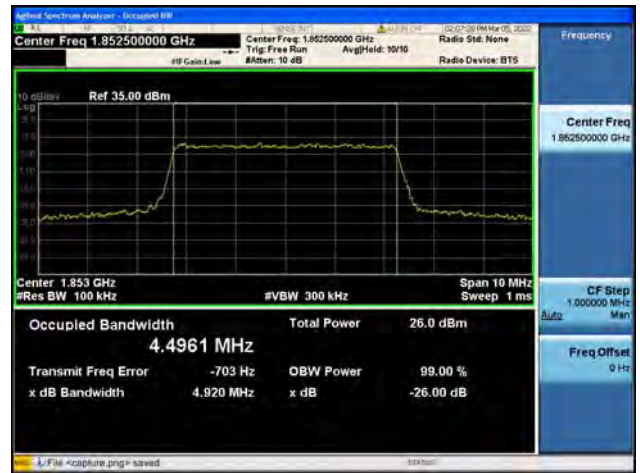




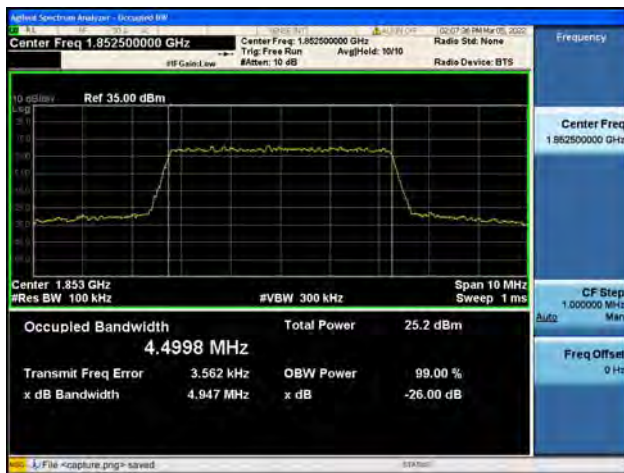
Band2 / 5MHz / Low CH / QPSK



Band2 / 5MHz / Low CH / 16QAM



Band2 / 5MHz / Low CH / 64QAM



Band2 / 5MHz / Mid CH / QPSK



Band2 / 5MHz / Mid CH / 16QAM

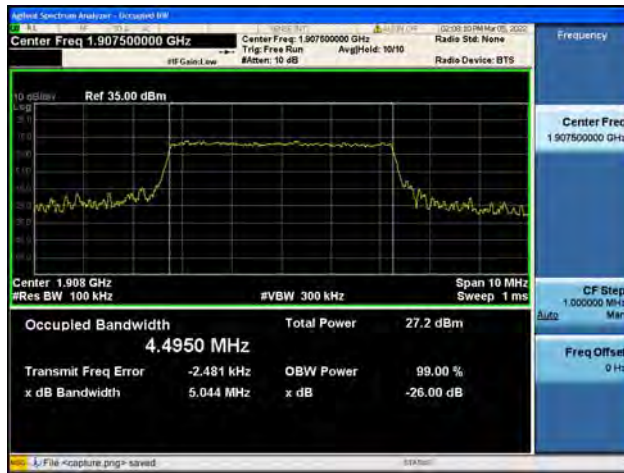


Band2 / 5MHz / Mid CH / 64QAM

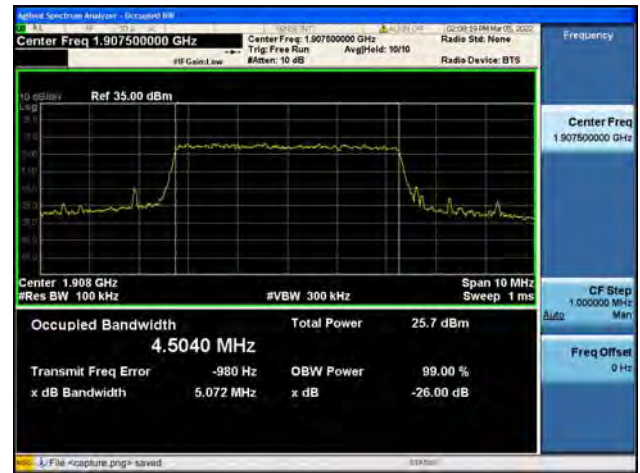




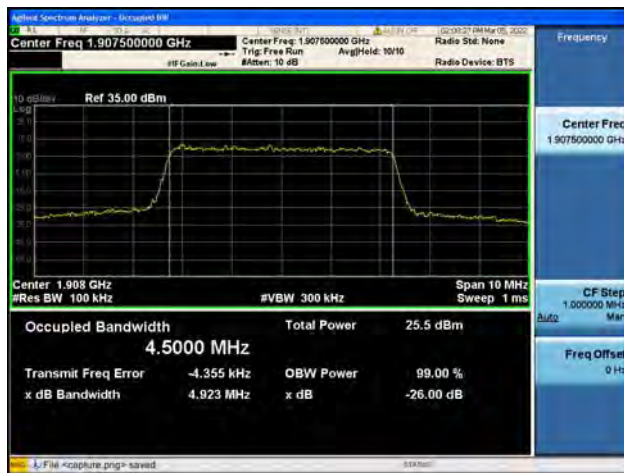
Band2 / 5MHz / High CH / QPSK



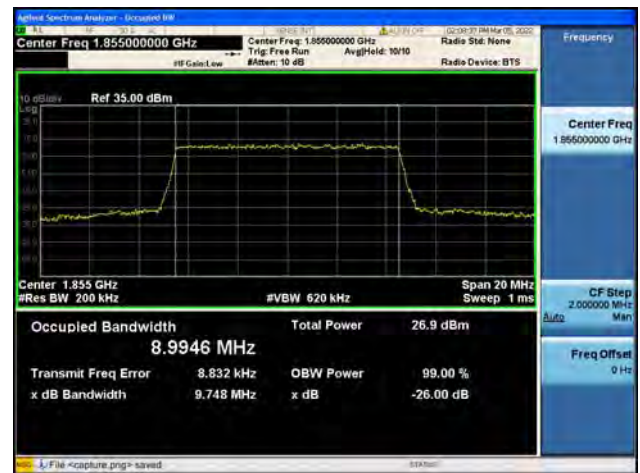
Band2 / 5MHz / High CH / 16QAM



Band2 / 5MHz / High CH / 64QAM



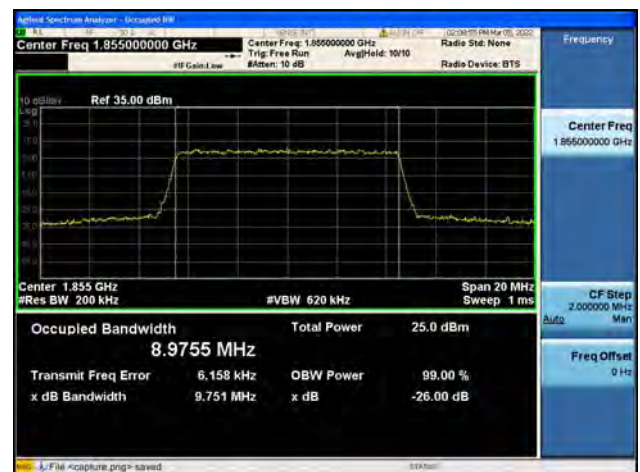
Band2 / 10MHz / Low CH / QPSK



Band2 / 10MHz / Low CH / 16QAM



Band2 / 10MHz / Low CH / 64QAM





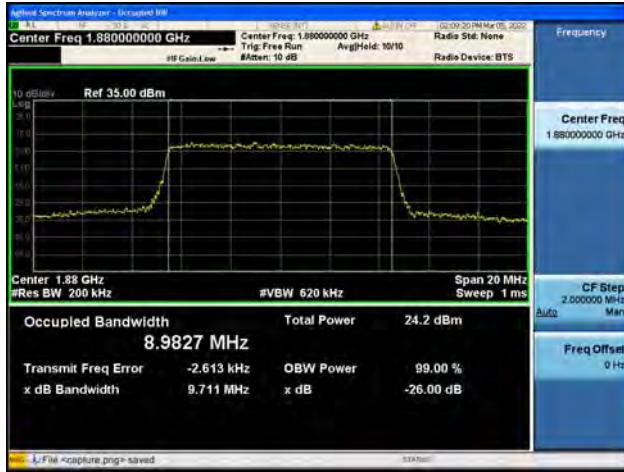
Band2 / 10MHz / Mid CH / QPSK



Band2 / 10MHz / Mid CH / 16QAM



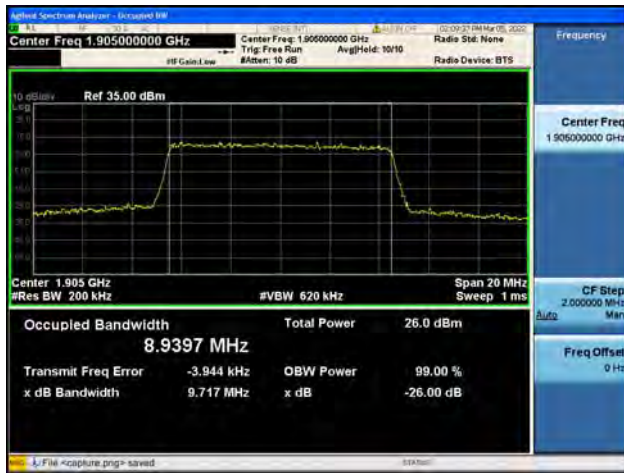
Band2 / 10MHz / Mid CH / 64QAM



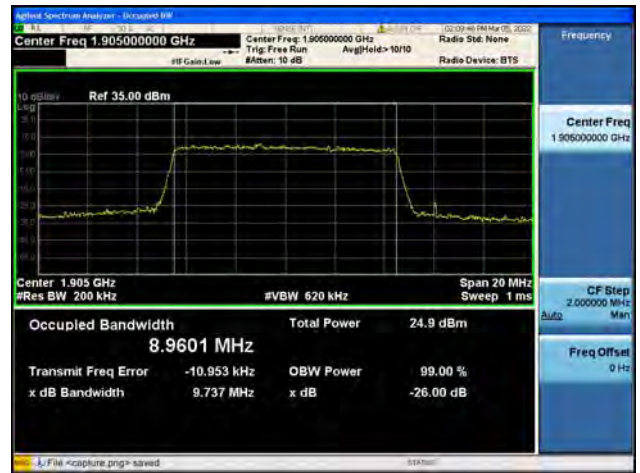
Band2 / 10MHz / High CH / QPSK



Band2 / 10MHz / High CH / 16QAM

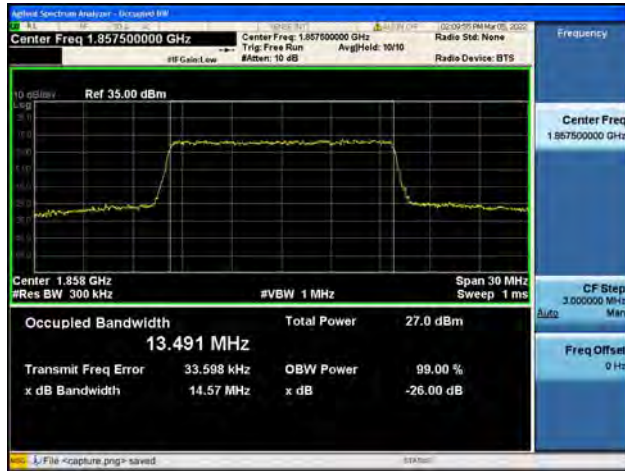


Band2 / 10MHz / High CH / 64QAM

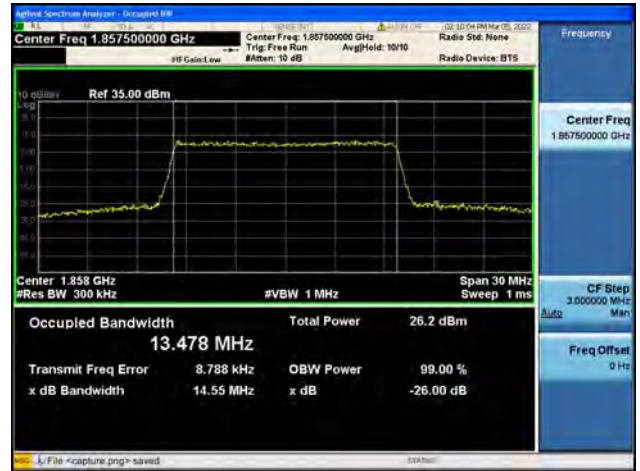




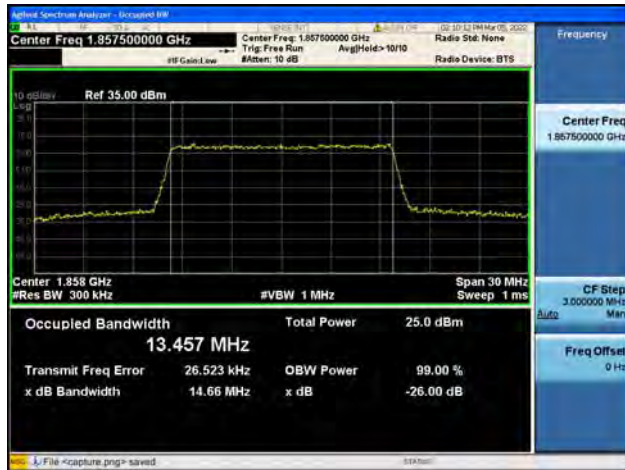
Band2 / 15MHz / Low CH / QPSK



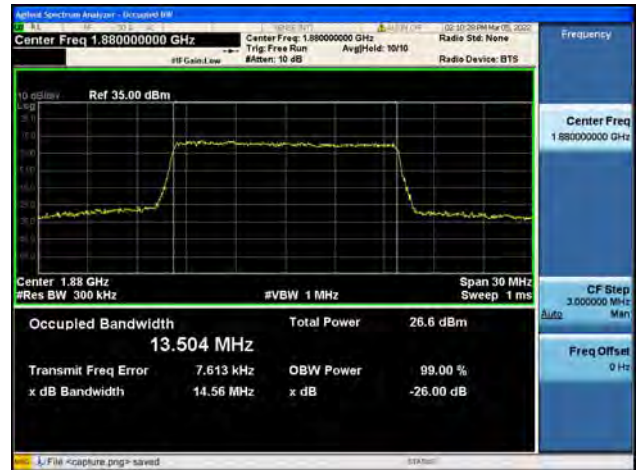
Band2 / 15MHz / Low CH / 16QAM



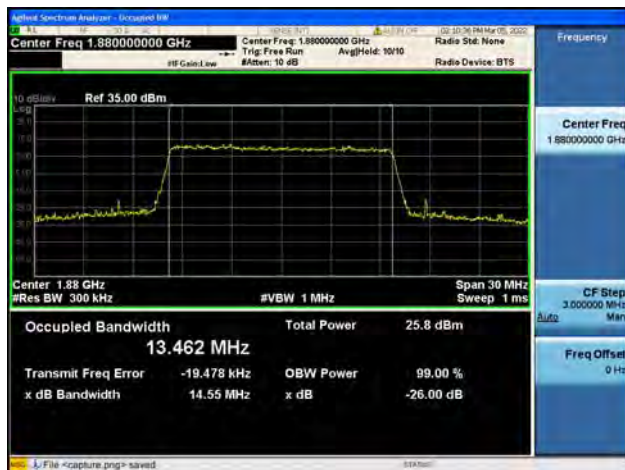
Band2 / 15MHz / Low CH / 64QAM



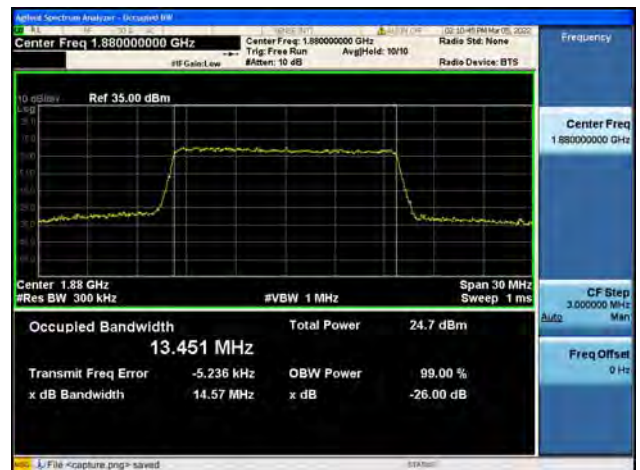
Band2 / 15MHz / Mid CH / QPSK



Band2 / 15MHz / Mid CH / 16QAM

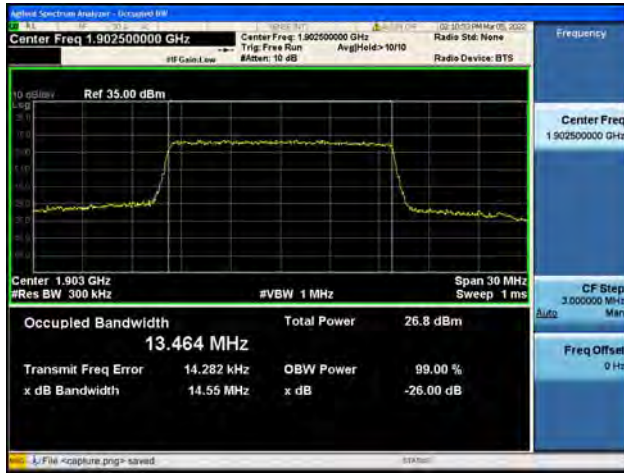


Band2 / 15MHz / Mid CH / 64QAM

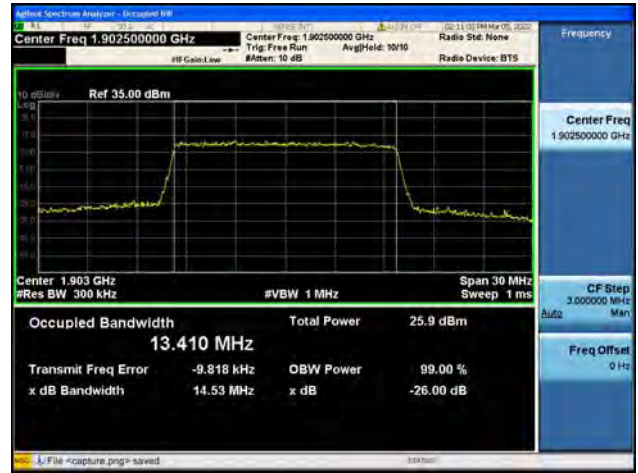




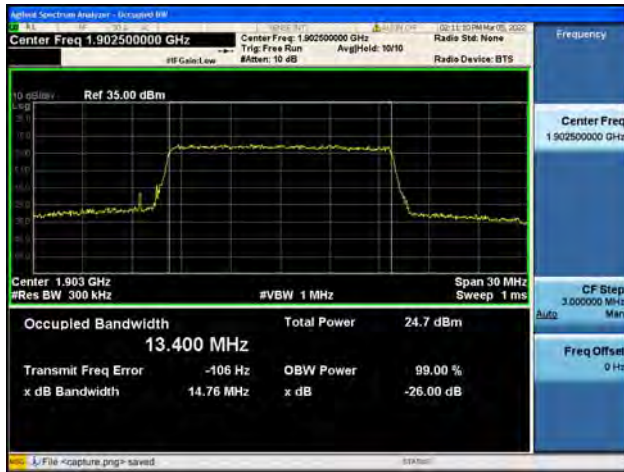
Band2 / 15MHz / High CH / QPSK



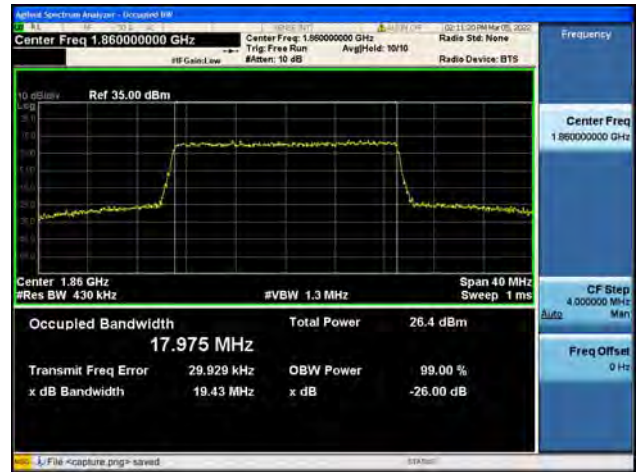
Band2 / 15MHz / High CH / 16QAM



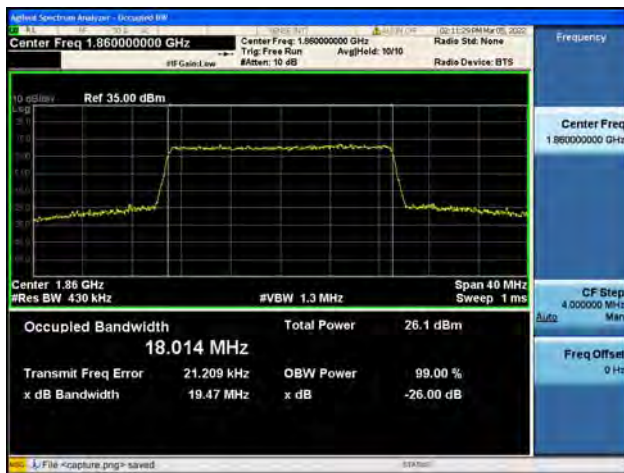
Band2 / 15MHz / High CH / 64QAM



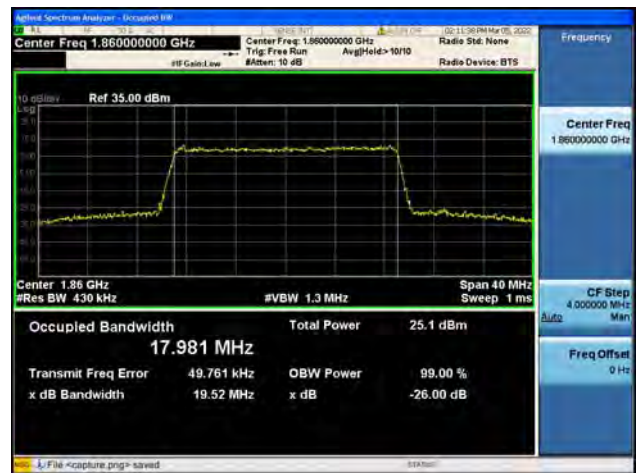
Band2 / 20MHz / Low CH / QPSK



Band2 / 20MHz / Low CH / 16QAM

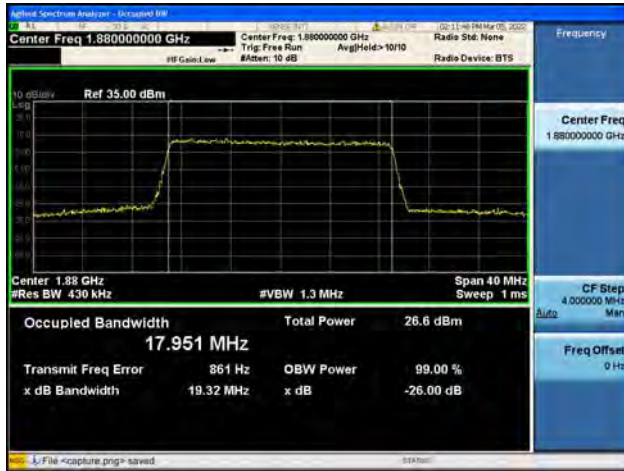


Band2 / 20MHz / Low CH / 64QAM





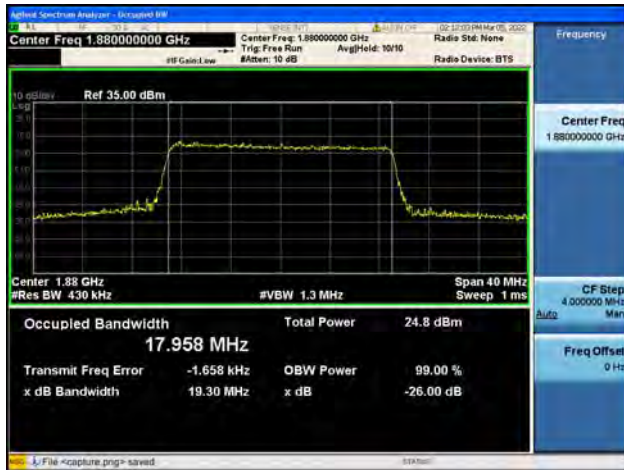
Band2 / 20MHz / Mid CH / QPSK



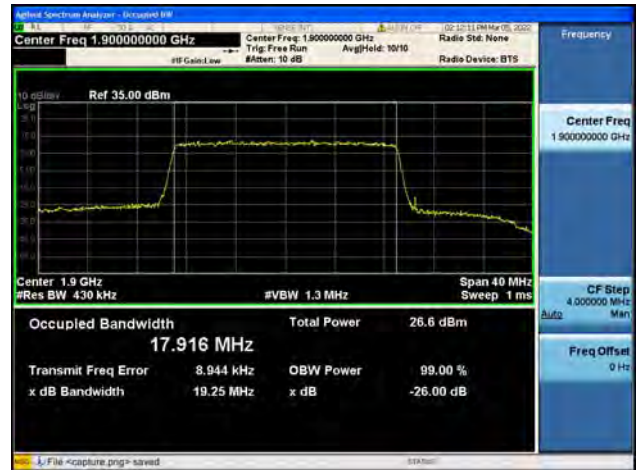
Band2 / 20MHz / Mid CH / 16QAM



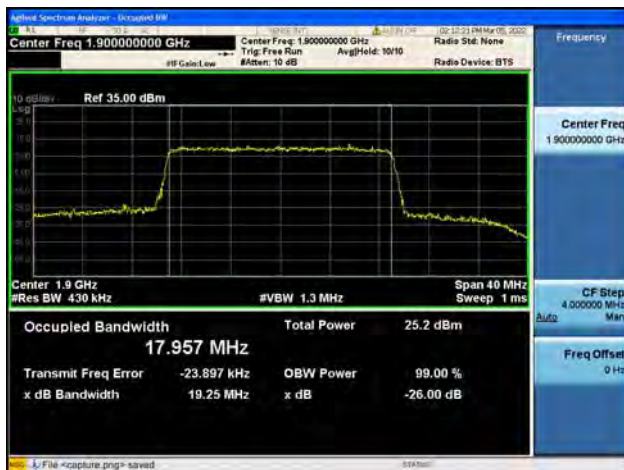
Band2 / 20MHz / Mid CH / 64QAM



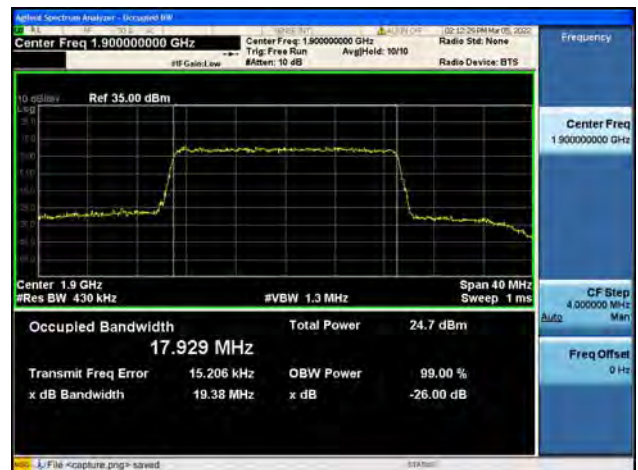
Band2 / 20MHz / High CH / QPSK

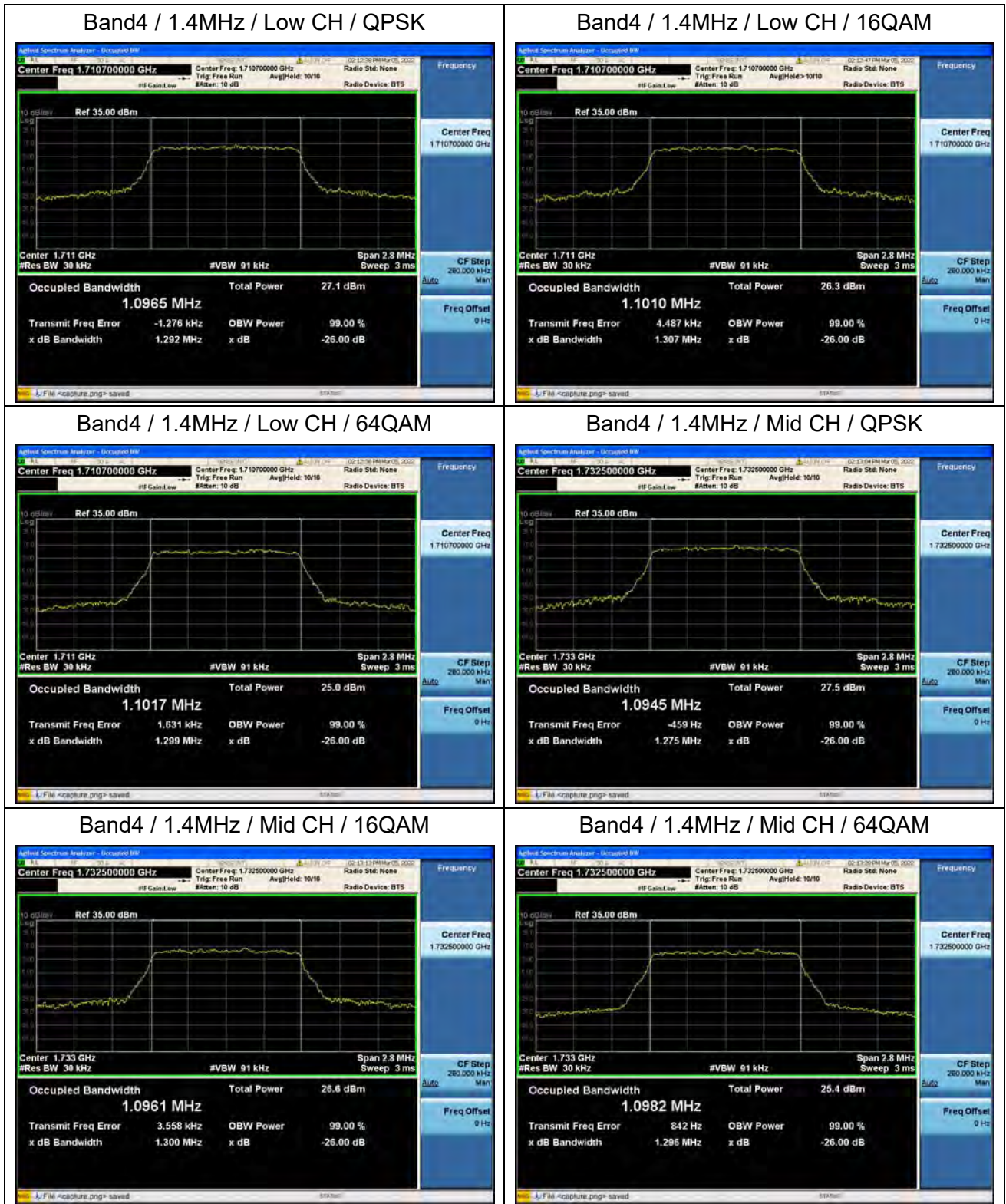


Band2 / 20MHz / High CH / 16QAM



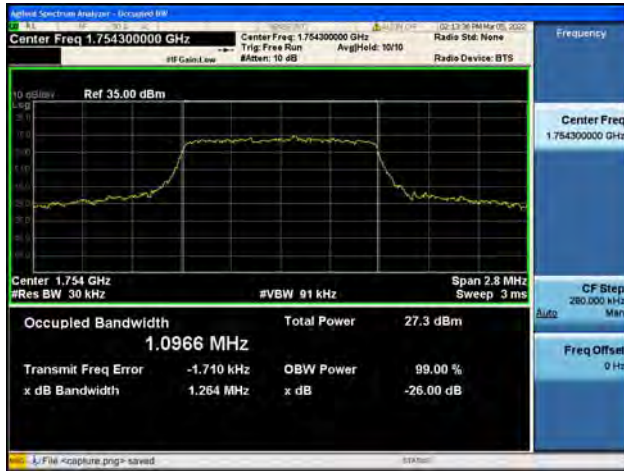
Band2 / 20MHz / High CH / 64QAM







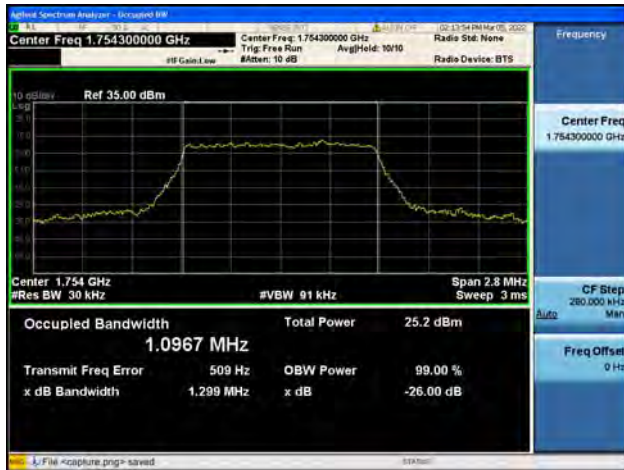
Band4 / 1.4MHz / High CH / QPSK



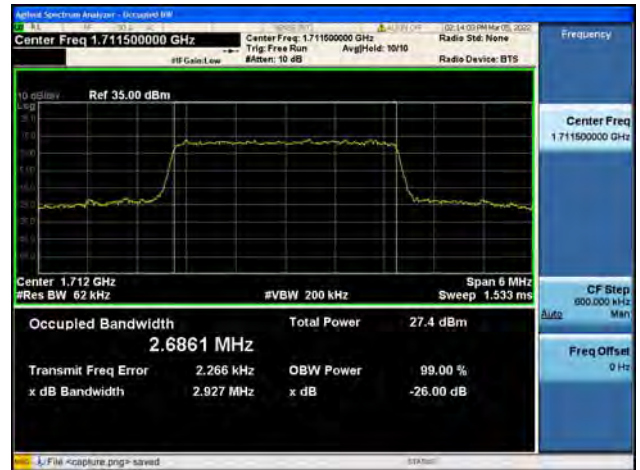
Band4 / 1.4MHz / High CH / 16QAM



Band4 / 1.4MHz / High CH / 64QAM



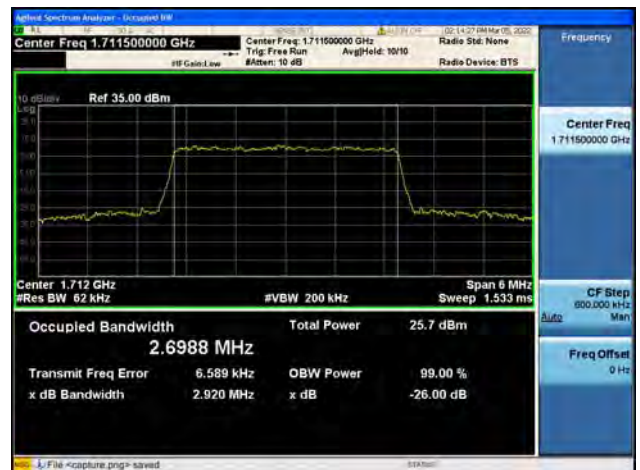
Band4 / 3MHz / Low CH / QPSK

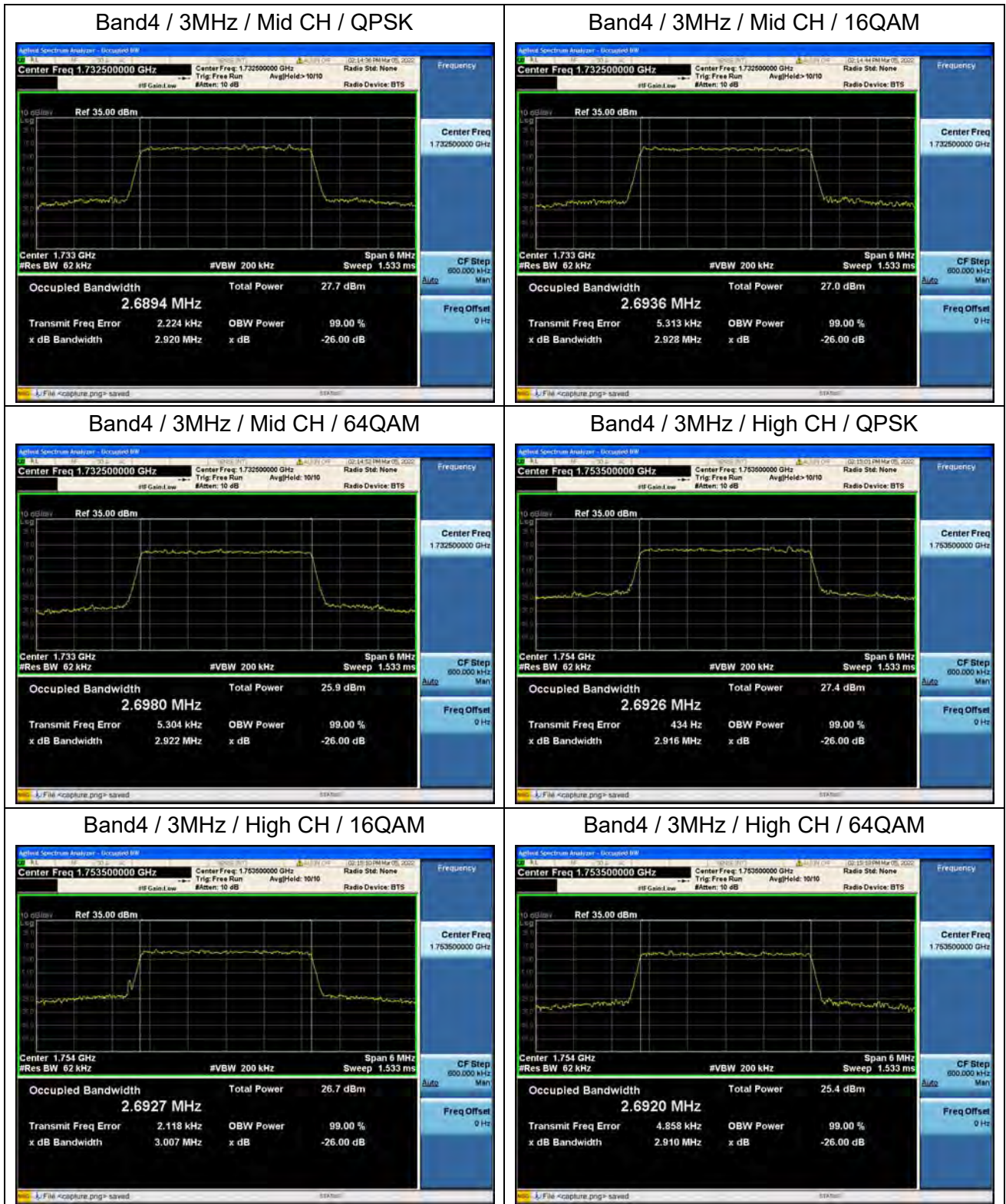


Band4 / 3MHz / Low CH / 16QAM



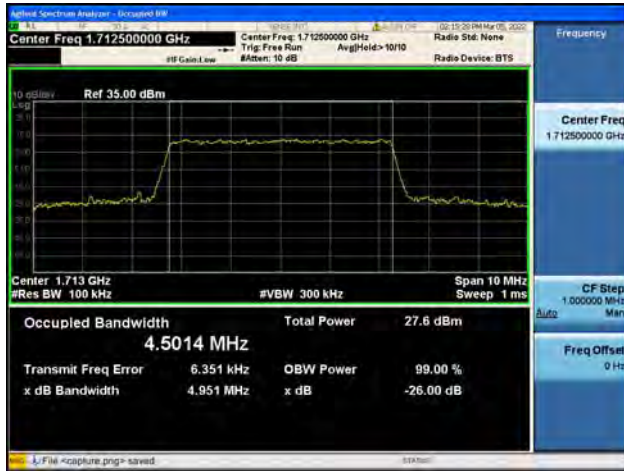
Band4 / 3MHz / Low CH / 64QAM



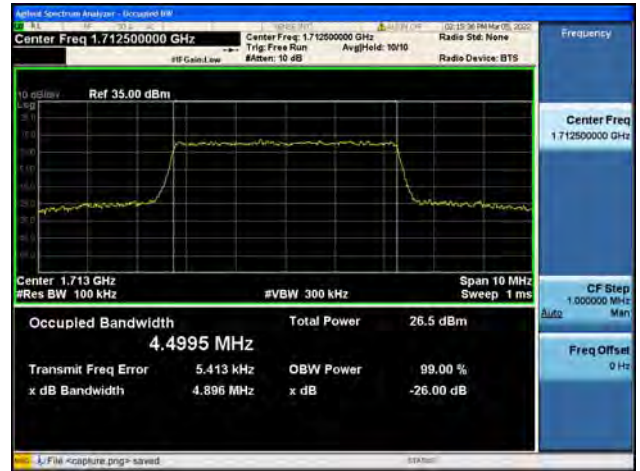




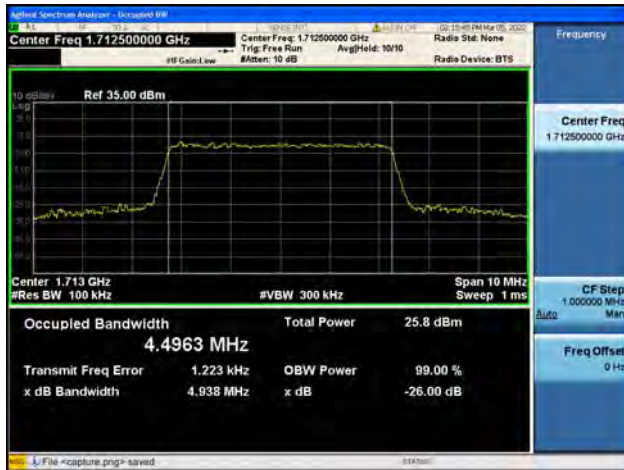
Band4 / 5MHz / Low CH / QPSK



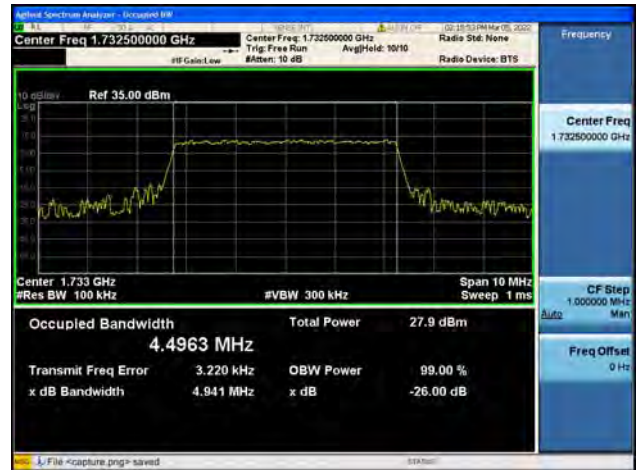
Band4 / 5MHz / Low CH / 16QAM



Band4 / 5MHz / Low CH / 64QAM



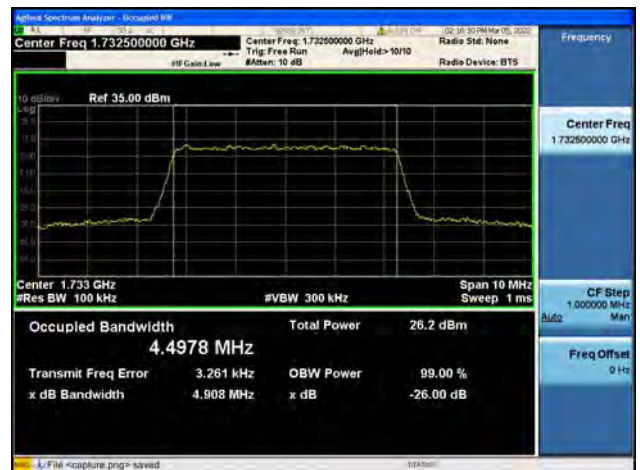
Band4 / 5MHz / Mid CH / QPSK



Band4 / 5MHz / Mid CH / 16QAM

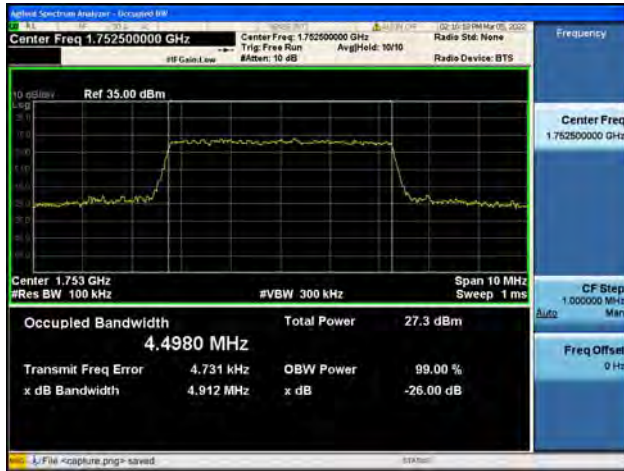


Band4 / 5MHz / Mid CH / 64QAM





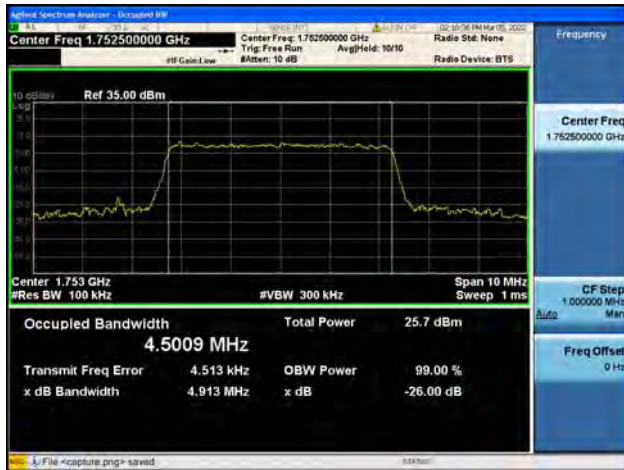
Band4 / 5MHz / High CH / QPSK



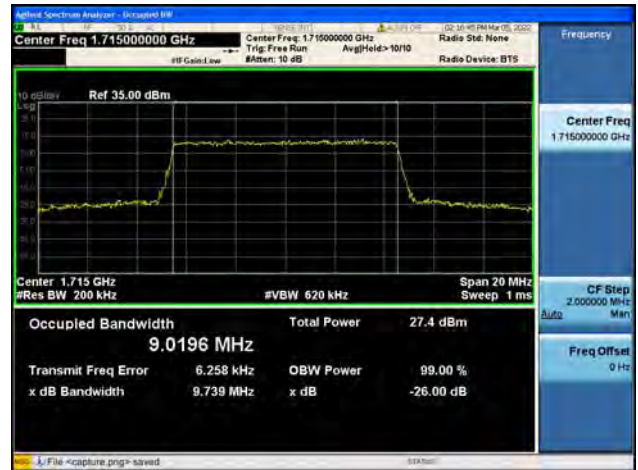
Band4 / 5MHz / High CH / 16QAM



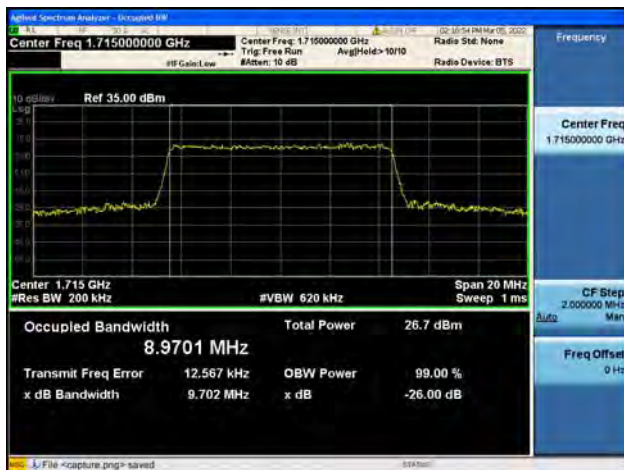
Band4 / 5MHz / High CH / 64QAM



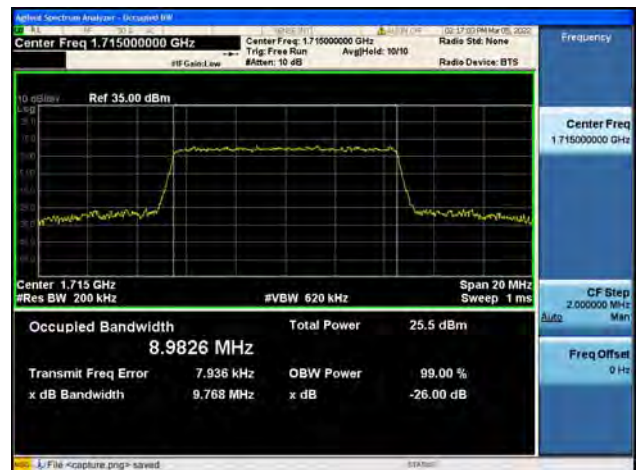
Band4 / 10MHz / Low CH / QPSK



Band4 / 10MHz / Low CH / 16QAM

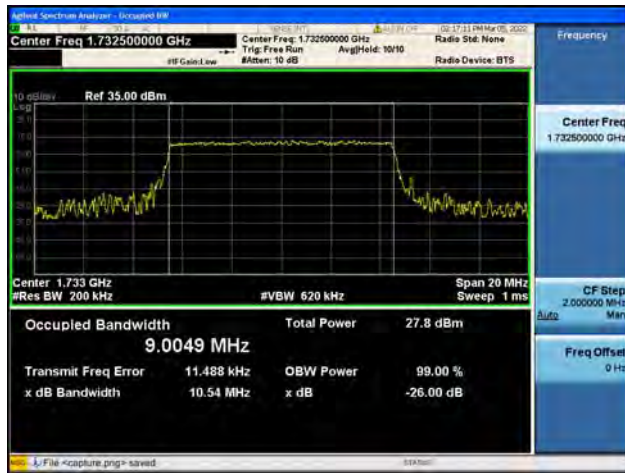


Band4 / 10MHz / Low CH / 64QAM

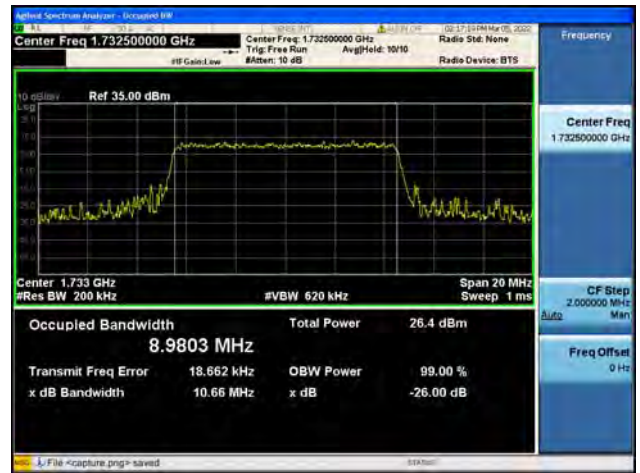




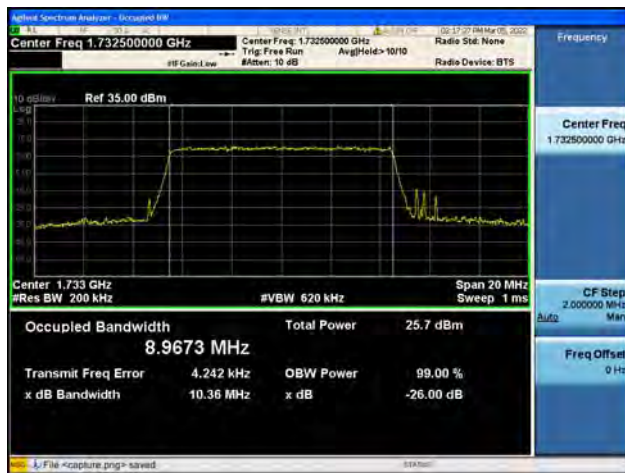
Band4 / 10MHz / Mid CH / QPSK



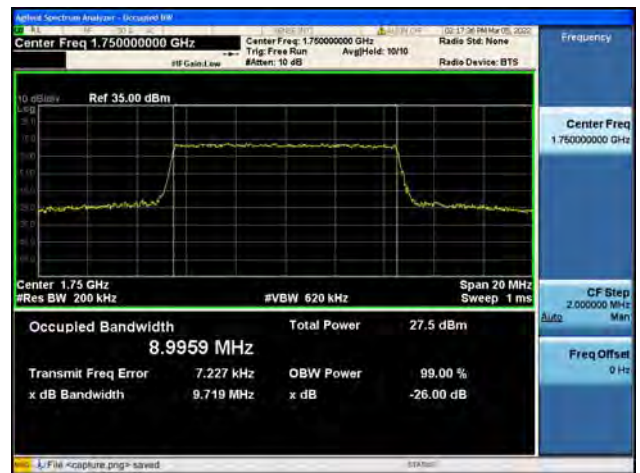
Band4 / 10MHz / Mid CH / 16QAM



Band4 / 10MHz / Mid CH / 64QAM



Band4 / 10MHz / High CH / QPSK



Band4 / 10MHz / High CH / 16QAM

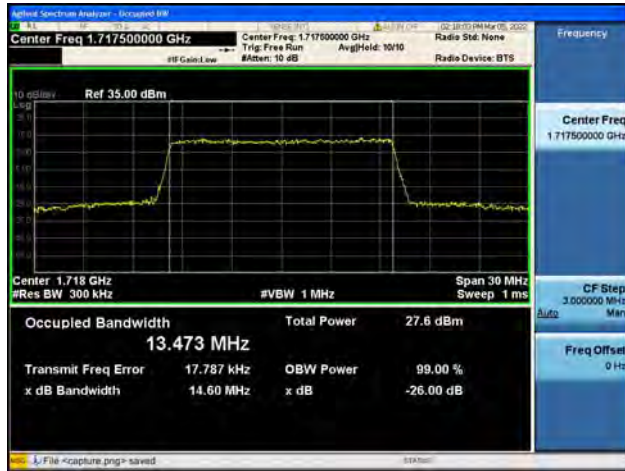


Band4 / 10MHz / High CH / 64QAM

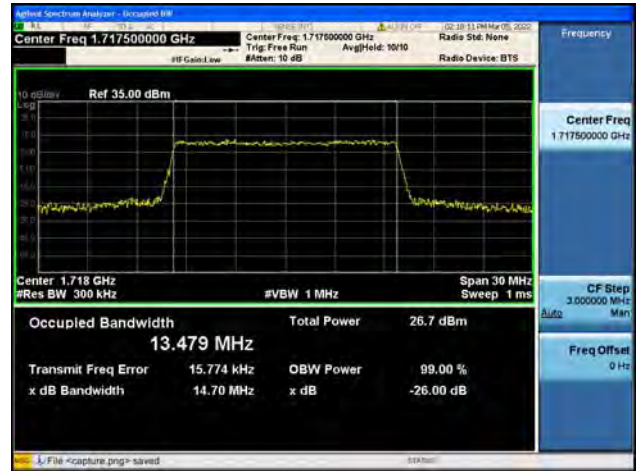




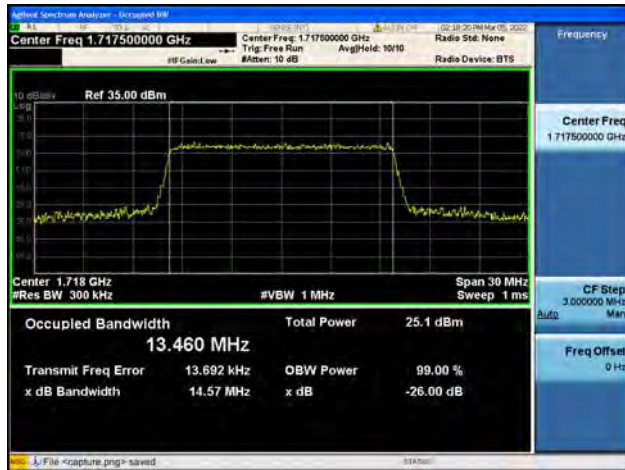
Band4 / 15MHz / Low CH / QPSK



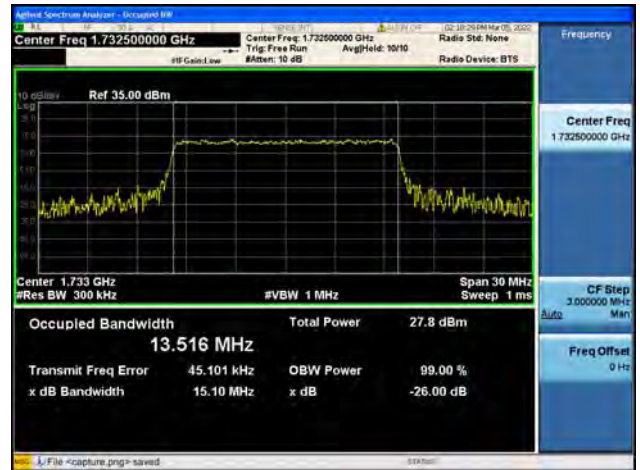
Band4 / 15MHz / Low CH / 16QAM



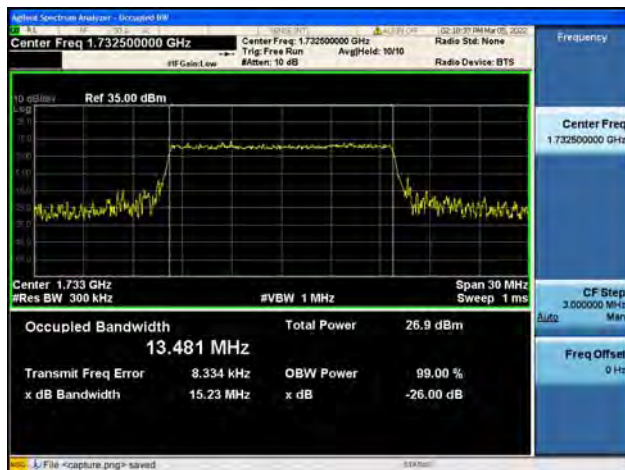
Band4 / 15MHz / Low CH / 64QAM



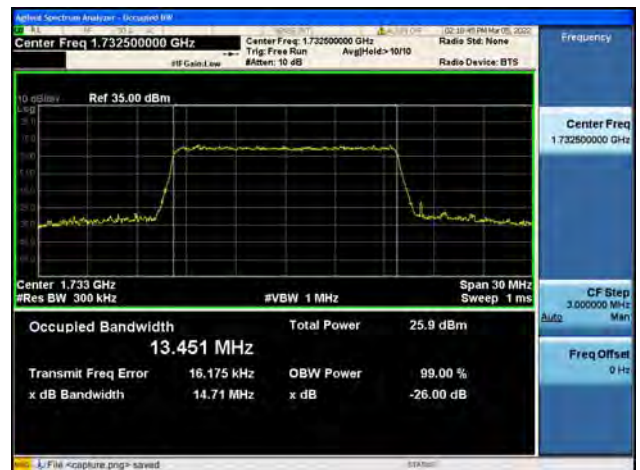
Band4 / 15MHz / Mid CH / QPSK



Band4 / 15MHz / Mid CH / 16QAM

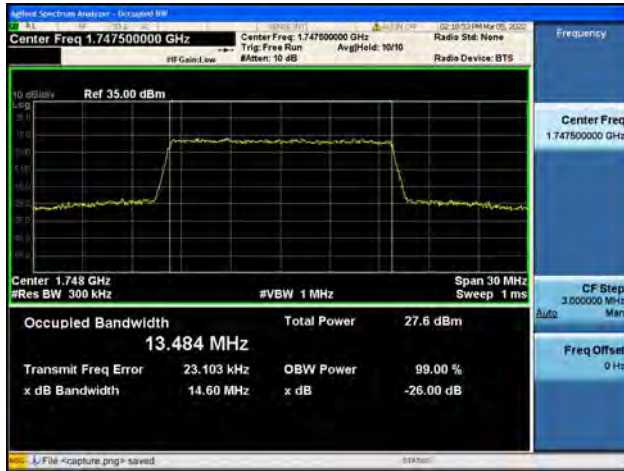


Band4 / 15MHz / Mid CH / 64QAM

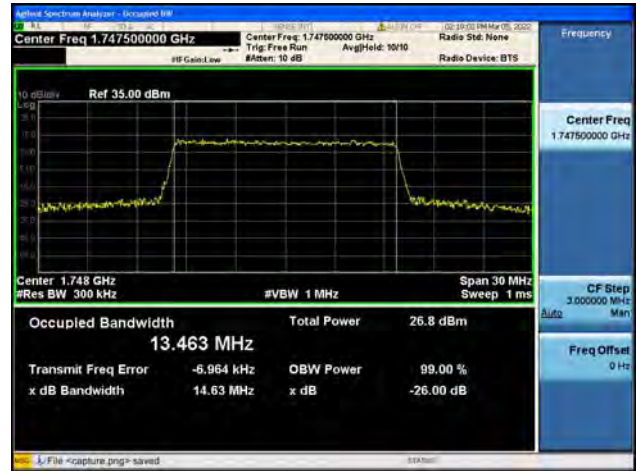




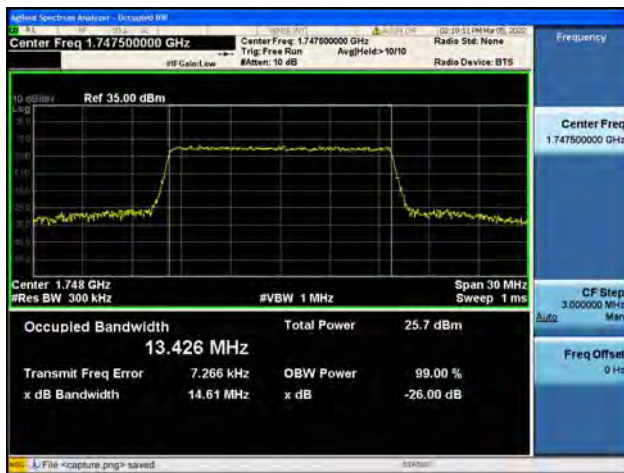
Band4 / 15MHz / High CH / QPSK



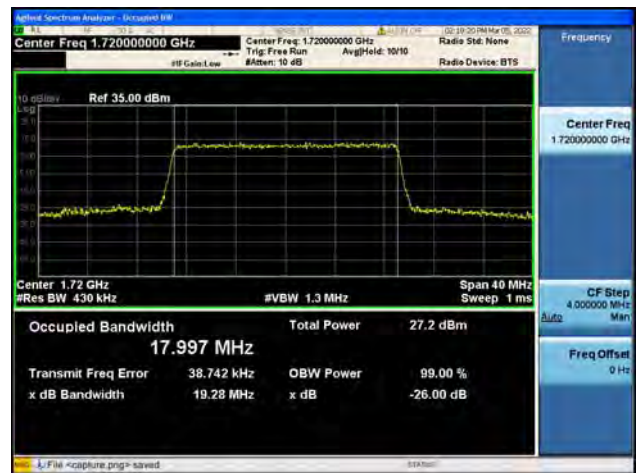
Band4 / 15MHz / High CH / 16QAM



Band4 / 15MHz / High CH / 64QAM



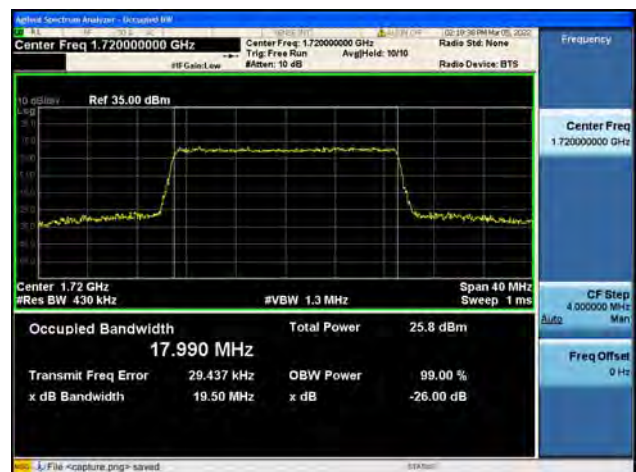
Band4 / 20MHz / Low CH / QPSK



Band4 / 20MHz / Low CH / 16QAM

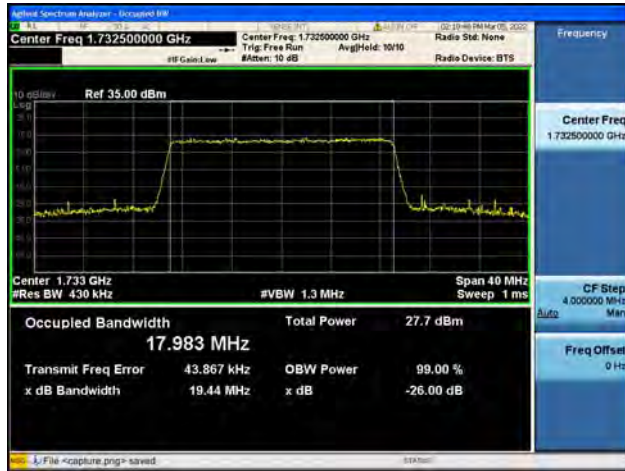


Band4 / 20MHz / Low CH / 64QAM

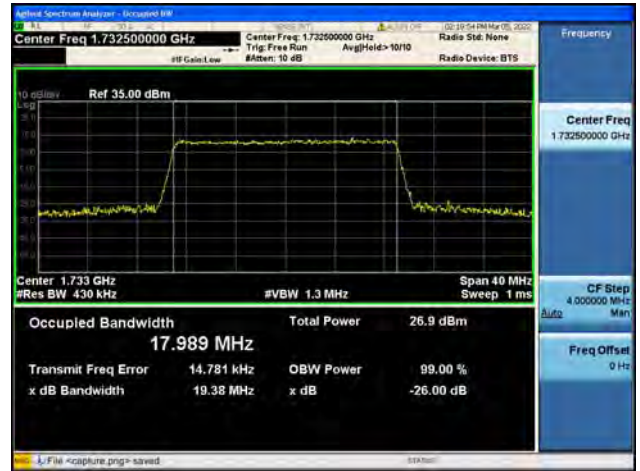




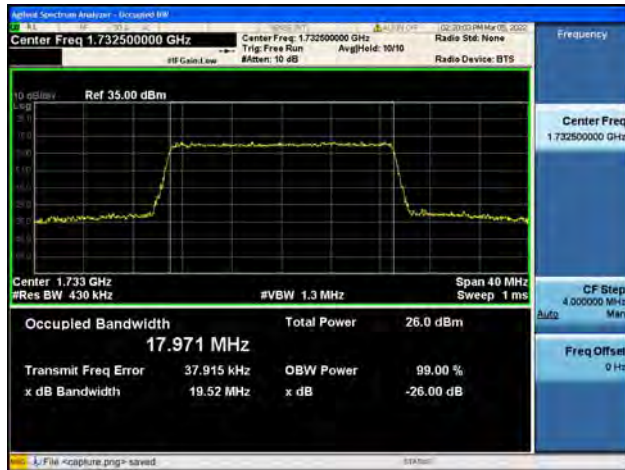
Band4 / 20MHz / Mid CH / QPSK



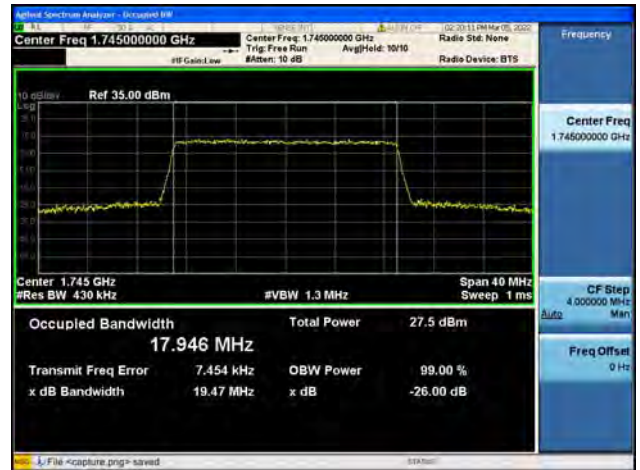
Band4 / 20MHz / Mid CH / 16QAM



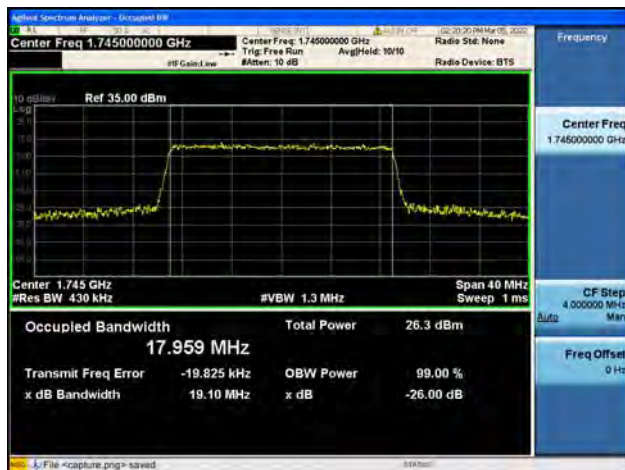
Band4 / 20MHz / Mid CH / 64QAM



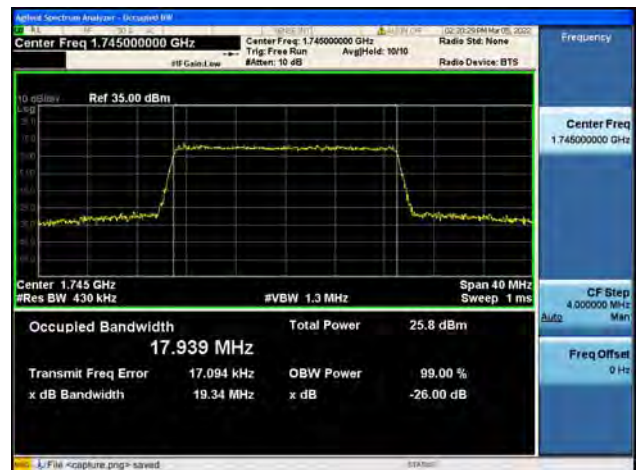
Band4 / 20MHz / High CH / QPSK



Band4 / 20MHz / High CH / 16QAM



Band4 / 20MHz / High CH / 64QAM





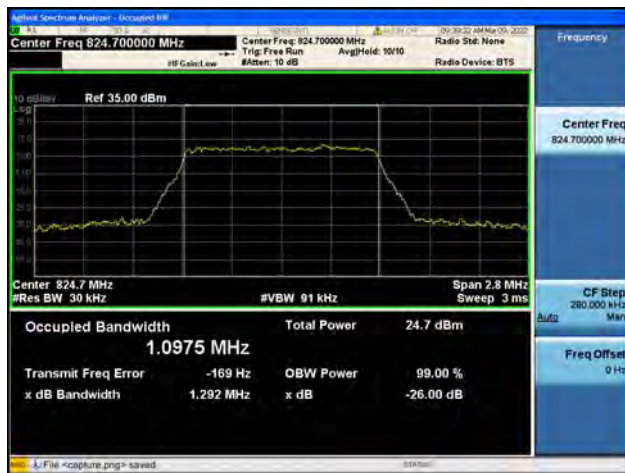
Band5 / 1.4MHz / Low CH / QPSK



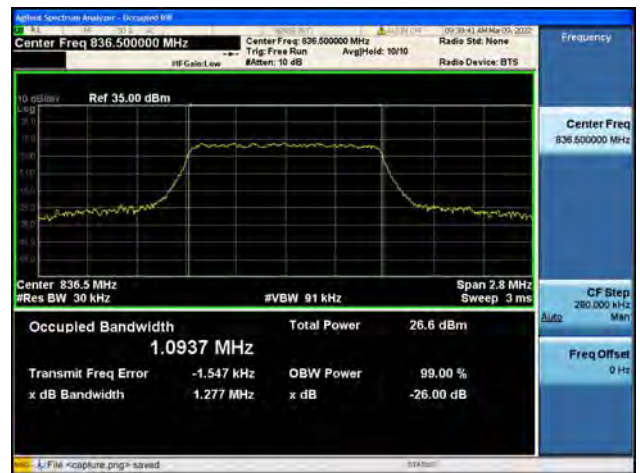
Band5 / 1.4MHz / Low CH / 16QAM



Band5 / 1.4MHz / Low CH / 64QAM



Band5 / 1.4MHz / Mid CH / QPSK



Band5 / 1.4MHz / Mid CH / 16QAM

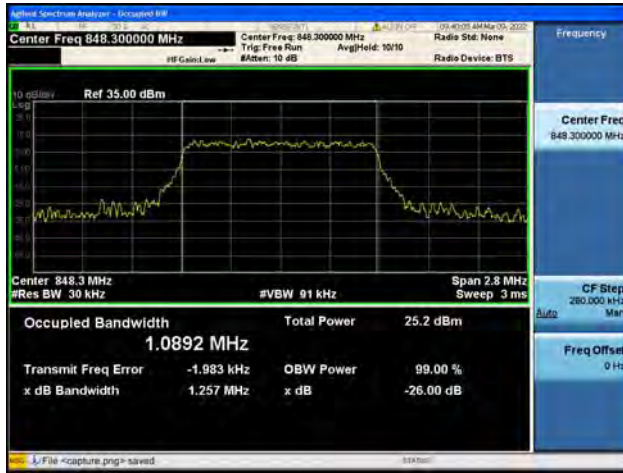


Band5 / 1.4MHz / Mid CH / 64QAM

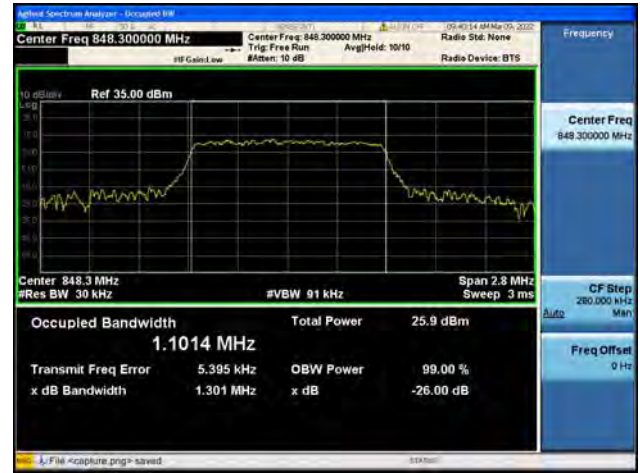




Band5 / 1.4MHz / High CH / QPSK



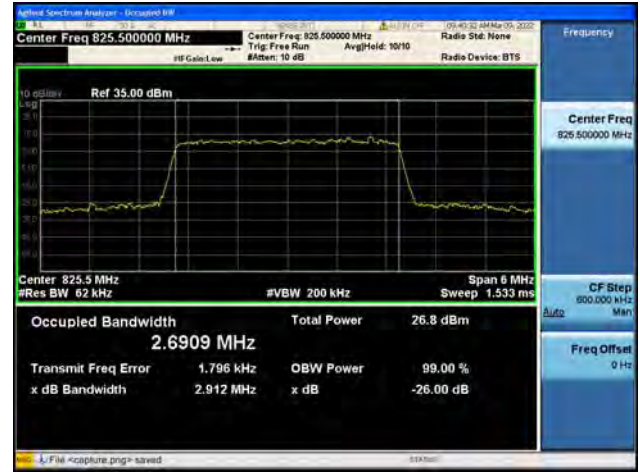
Band5 / 1.4MHz / High CH / 16QAM



Band5 / 1.4MHz / High CH / 64QAM



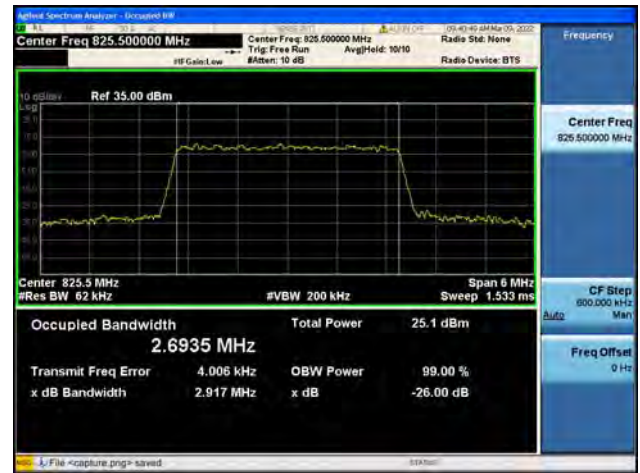
Band5 / 3MHz / Low CH / QPSK



Band5 / 3MHz / Low CH / 16QAM



Band5 / 3MHz / Low CH / 64QAM

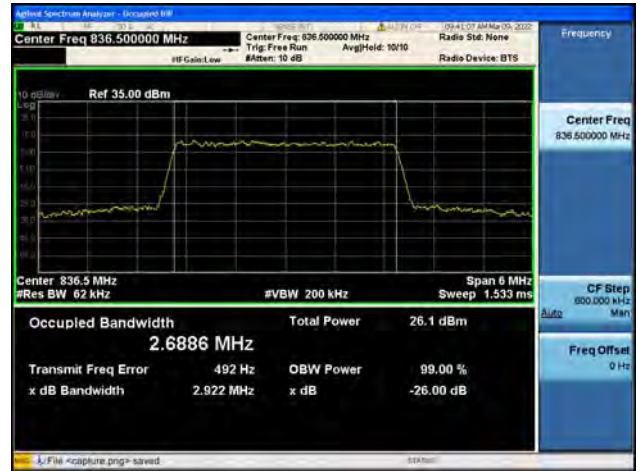




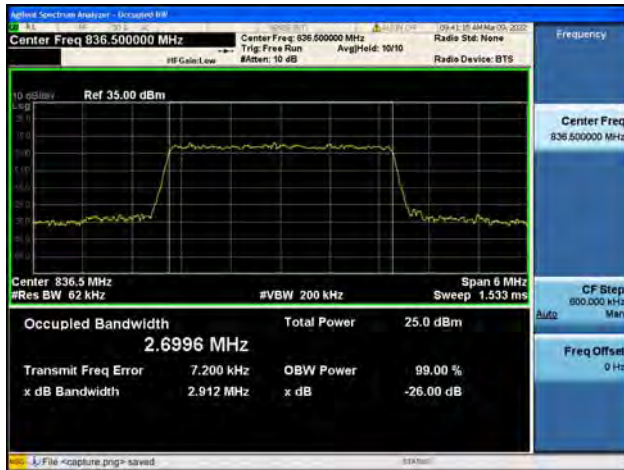
Band5 / 3MHz / Mid CH / QPSK



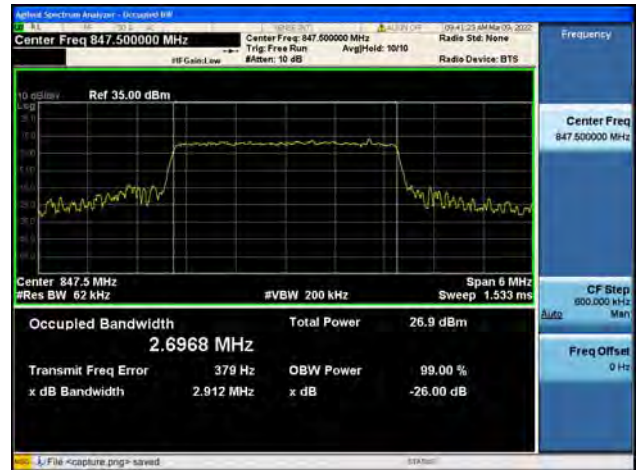
Band5 / 3MHz / Mid CH / 16QAM



Band5 / 3MHz / Mid CH / 64QAM



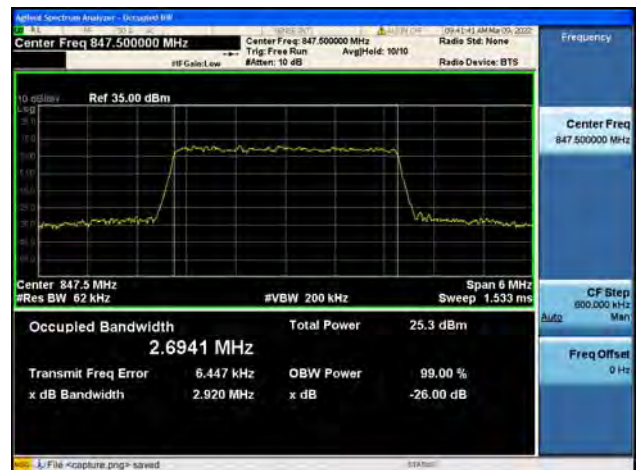
Band5 / 3MHz / High CH / QPSK



Band5 / 3MHz / High CH / 16QAM

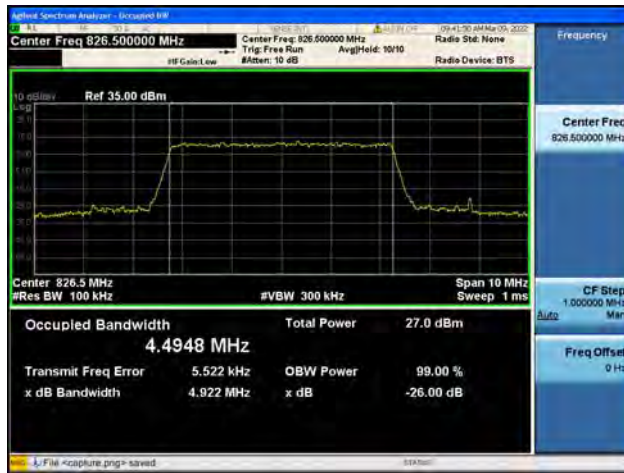


Band5 / 3MHz / High CH / 64QAM

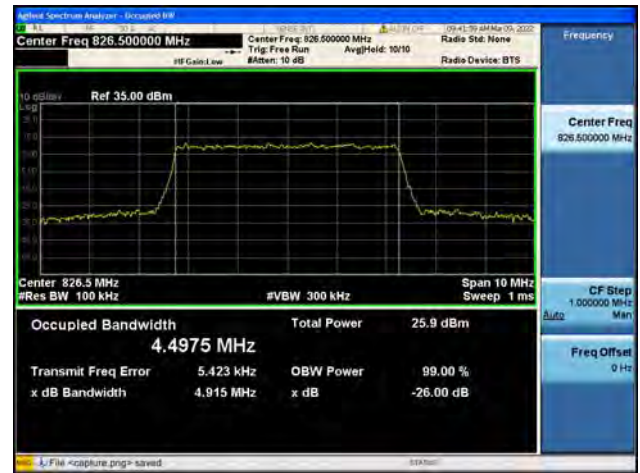




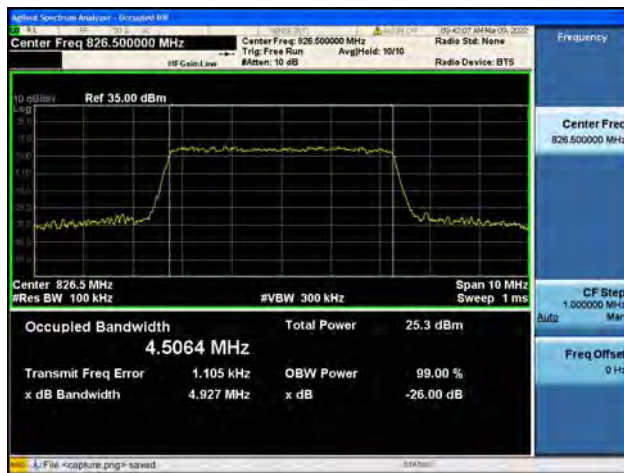
Band5 / 5MHz / Low CH / QPSK



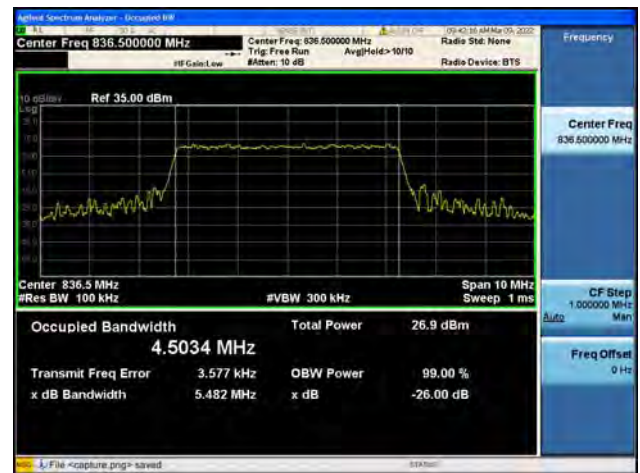
Band5 / 5MHz / Low CH / 16QAM



Band5 / 5MHz / Low CH / 64QAM



Band5 / 5MHz / Mid CH / QPSK



Band5 / 5MHz / Mid CH / 16QAM

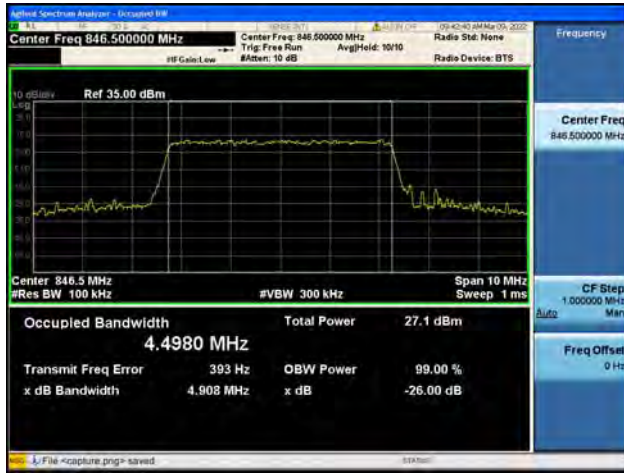


Band5 / 5MHz / Mid CH / 64QAM





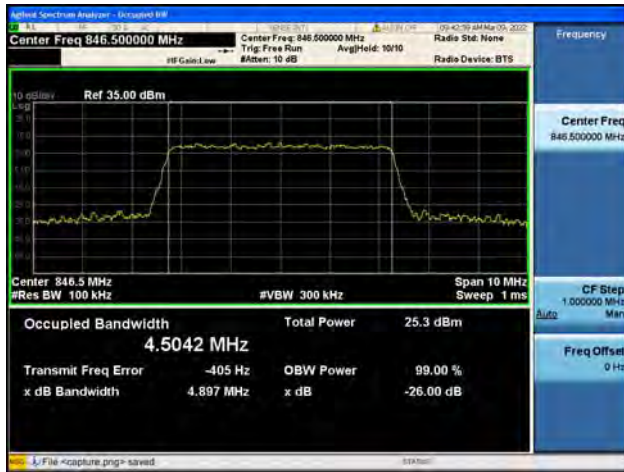
Band5 / 5MHz / High CH / QPSK



Band5 / 5MHz / High CH / 16QAM



Band5 / 5MHz / High CH / 64QAM



Band5 / 10MHz / Low CH / QPSK



Band5 / 10MHz / Low CH / 16QAM

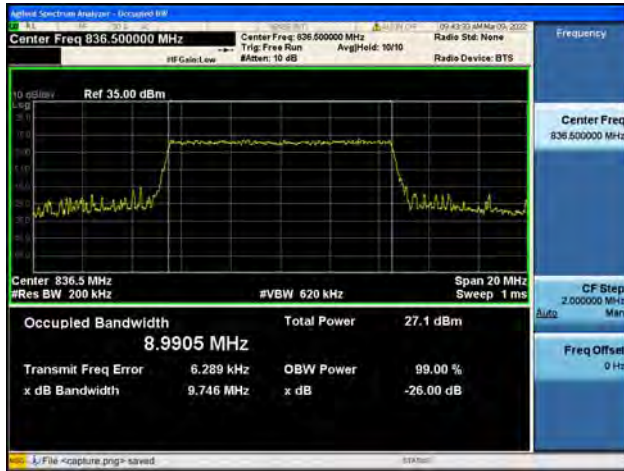


Band5 / 10MHz / Low CH / 64QAM





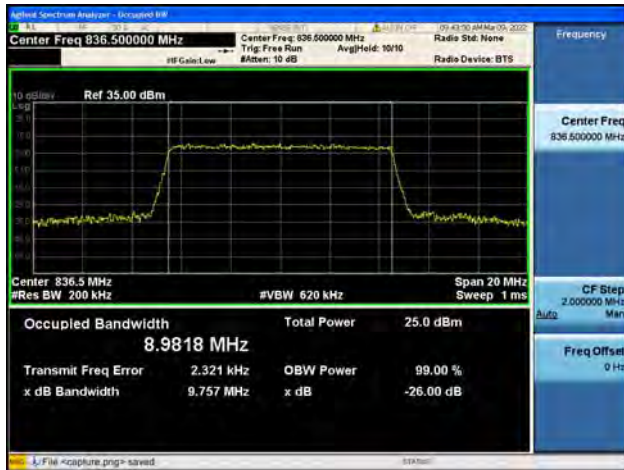
Band5 / 10MHz / Mid CH / QPSK



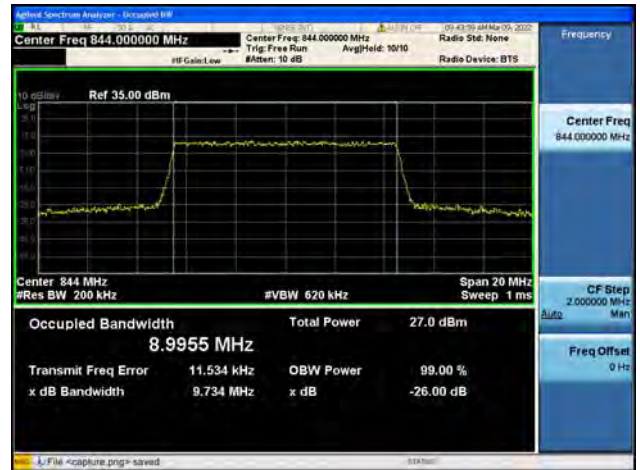
Band5 / 10MHz / Mid CH / 16QAM



Band5 / 10MHz / Mid CH / 64QAM



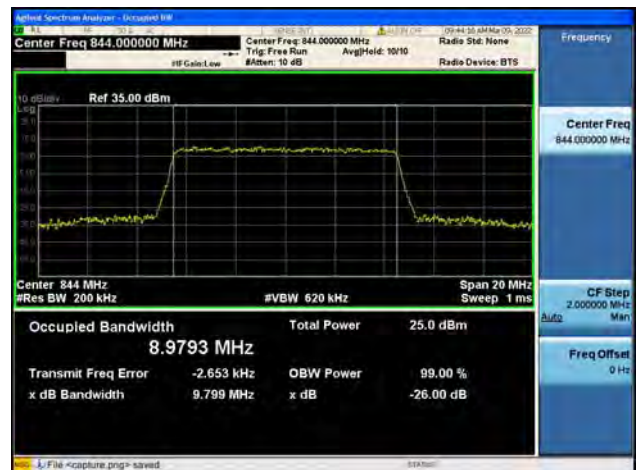
Band5 / 10MHz / High CH / QPSK



Band5 / 10MHz / High CH / 16QAM

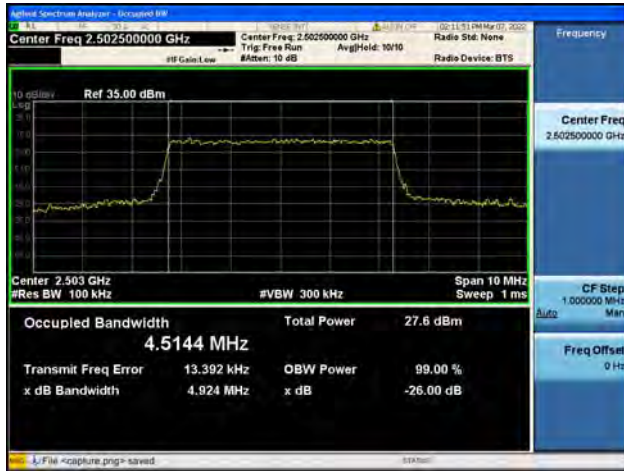


Band5 / 10MHz / High CH / 64QAM





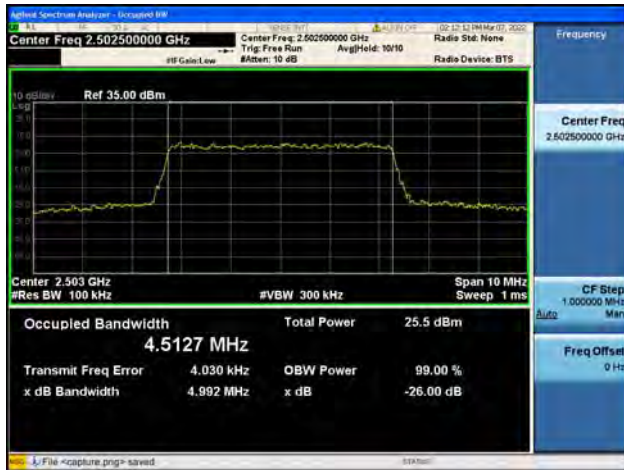
Band7 / 5MHz / Low CH / QPSK



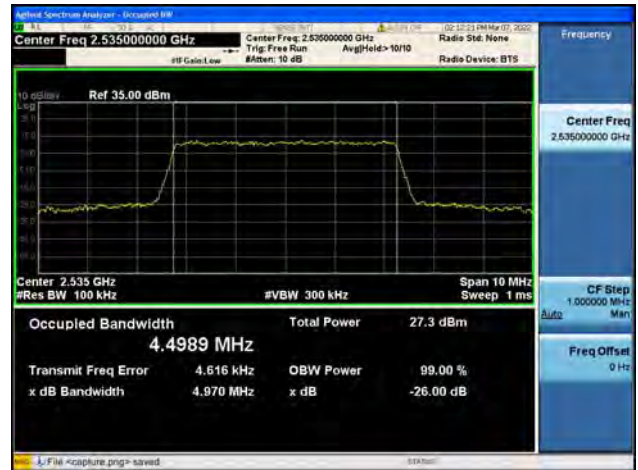
Band7 / 5MHz / Low CH / 16QAM



Band7 / 5MHz / Low CH / 64QAM



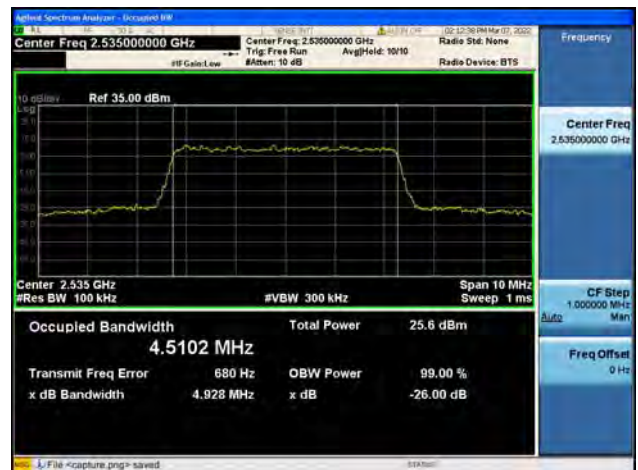
Band7 / 5MHz / Mid CH / QPSK



Band7 / 5MHz / Mid CH / 16QAM

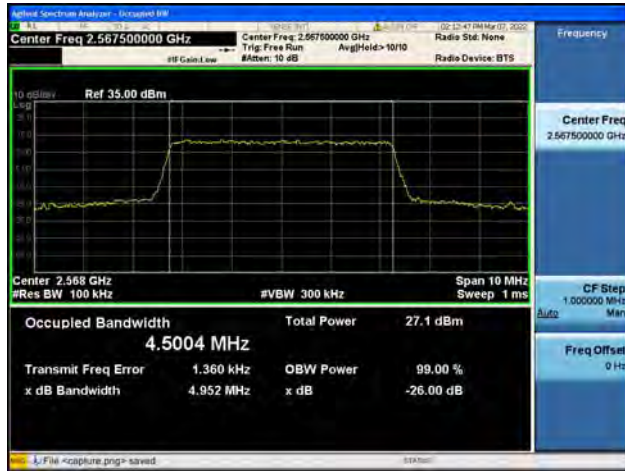


Band7 / 5MHz / Mid CH / 64QAM





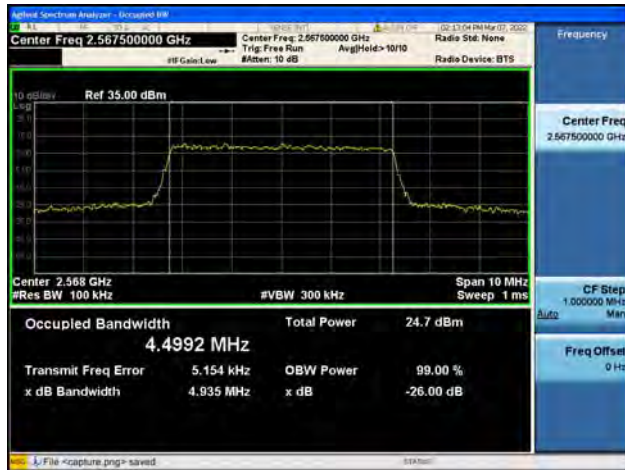
Band7 / 5MHz / High CH / QPSK



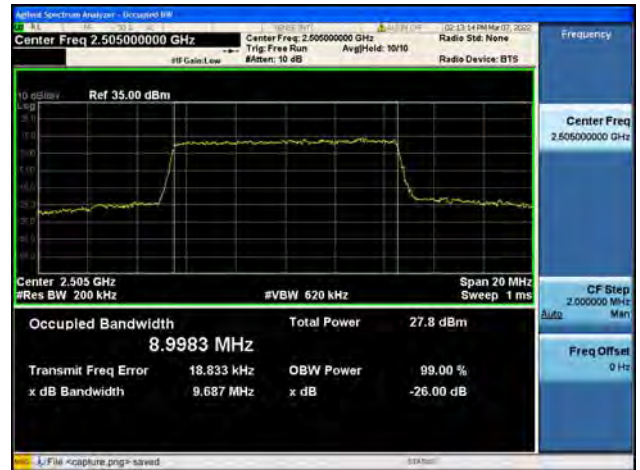
Band7 / 5MHz / High CH / 16QAM



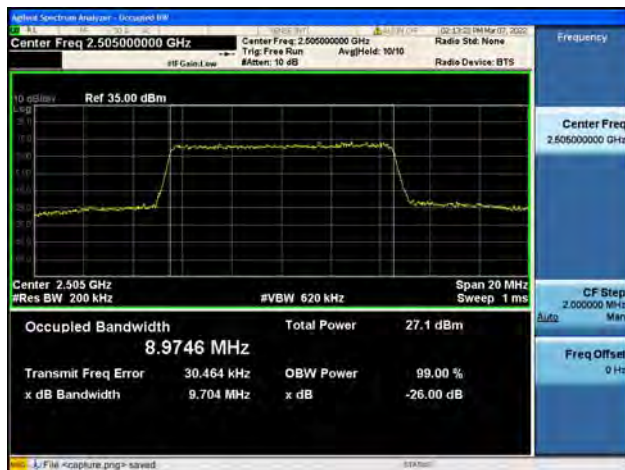
Band7 / 5MHz / High CH / 64QAM



Band7 / 10MHz / Low CH / QPSK



Band7 / 10MHz / Low CH / 16QAM

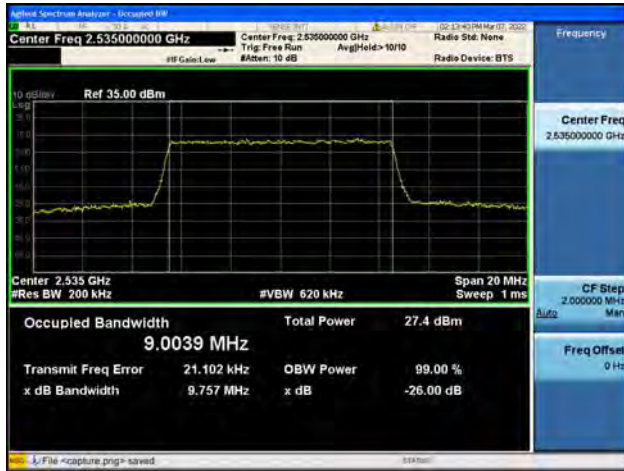


Band7 / 10MHz / Low CH / 64QAM





Band7 / 10MHz / Mid CH / QPSK



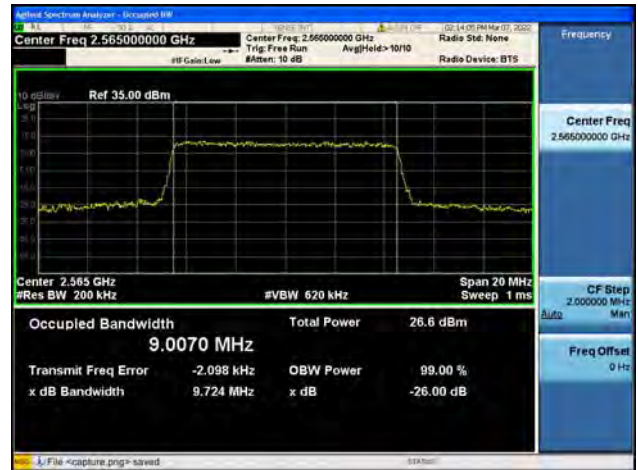
Band7 / 10MHz / Mid CH / 16QAM



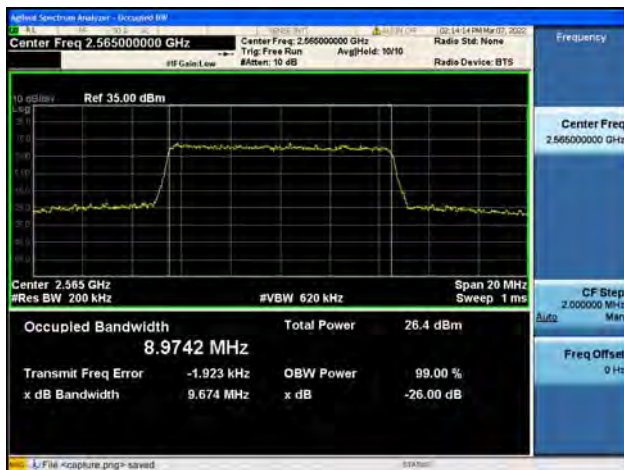
Band7 / 10MHz / Mid CH / 64QAM



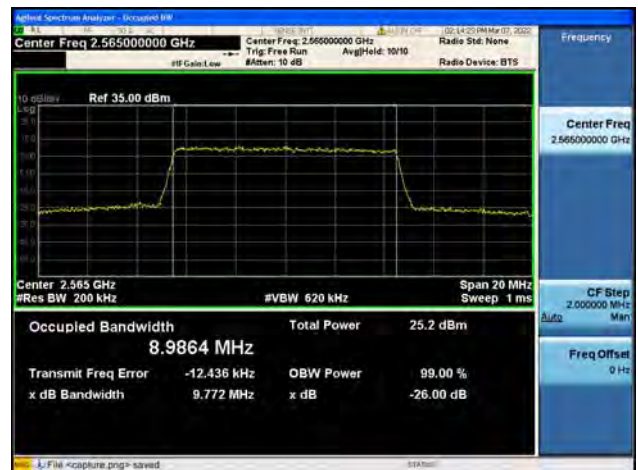
Band7 / 10MHz / High CH / QPSK



Band7 / 10MHz / High CH / 16QAM

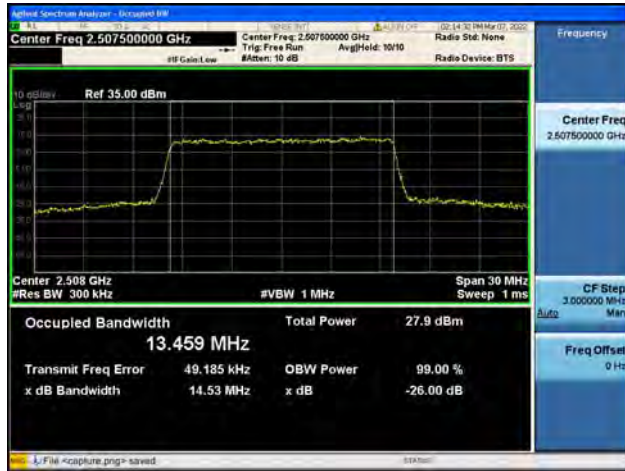


Band7 / 10MHz / High CH / 64QAM

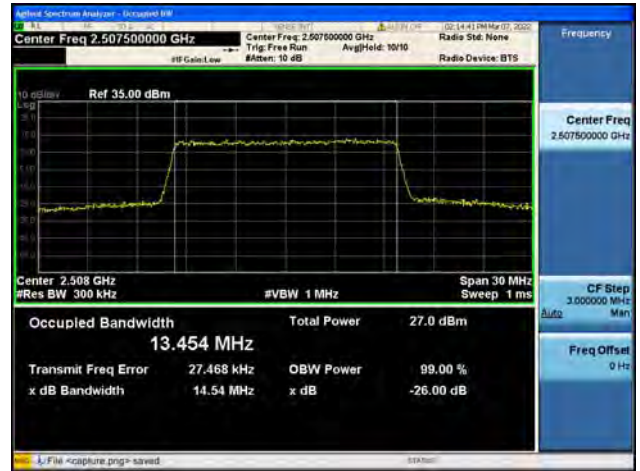




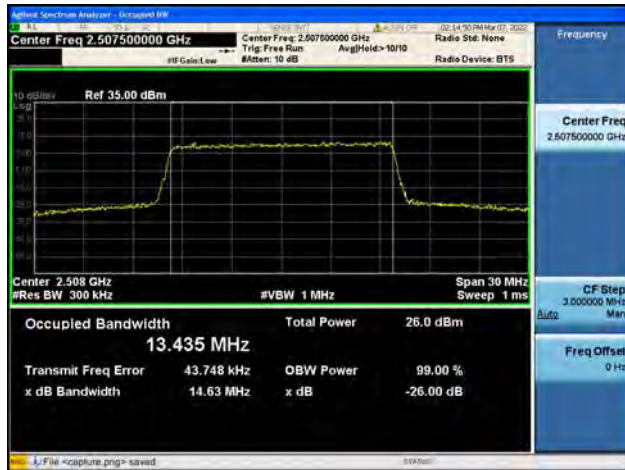
Band7 / 15MHz / Low CH / QPSK



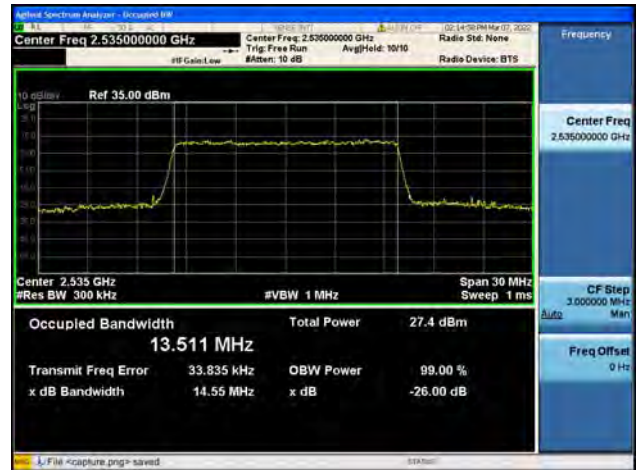
Band7 / 15MHz / Low CH / 16QAM



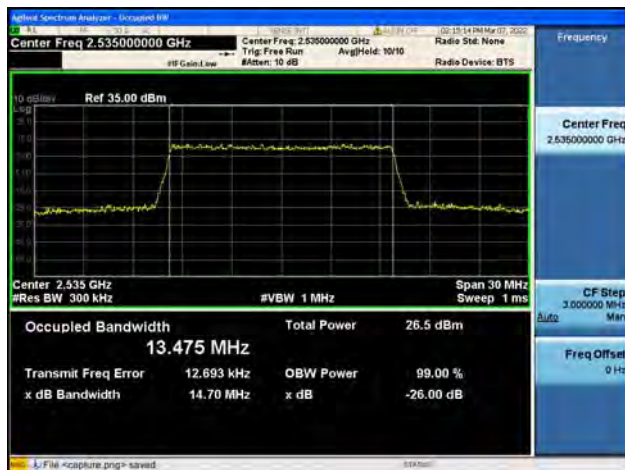
Band7 / 15MHz / Low CH / 64QAM



Band7 / 15MHz / Mid CH / QPSK



Band7 / 15MHz / Mid CH / 16QAM

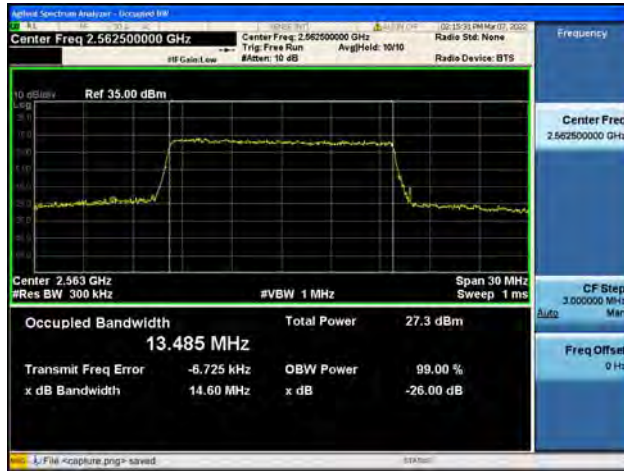


Band7 / 15MHz / Mid CH / 64QAM

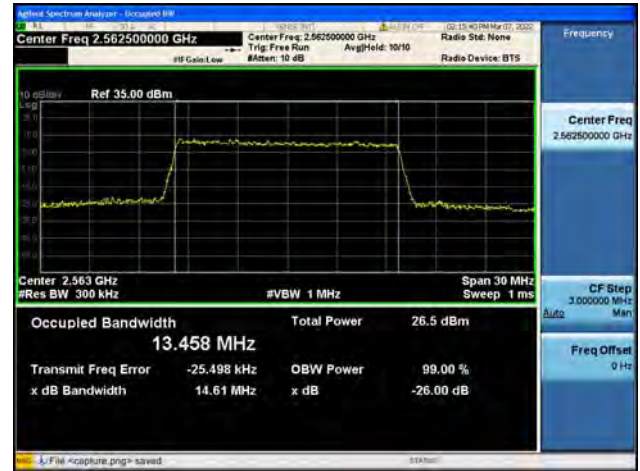




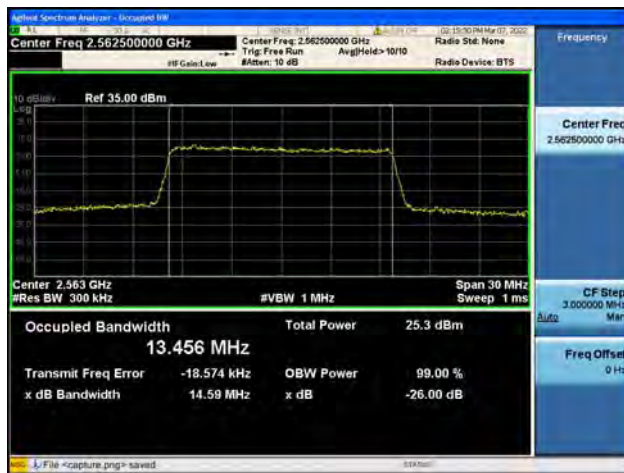
Band7 / 15MHz / High CH / QPSK



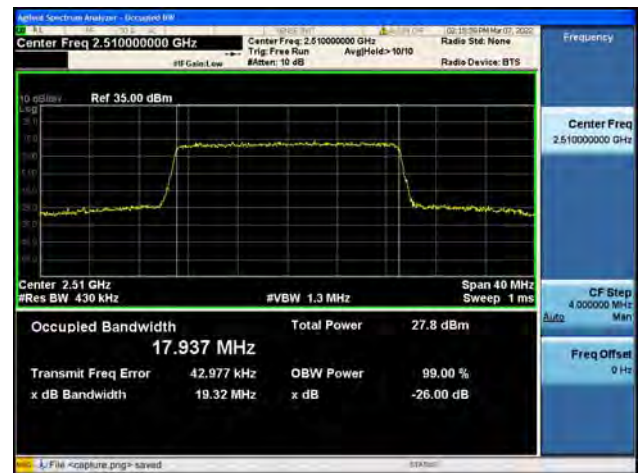
Band7 / 15MHz / High CH / 16QAM



Band7 / 15MHz / High CH / 64QAM



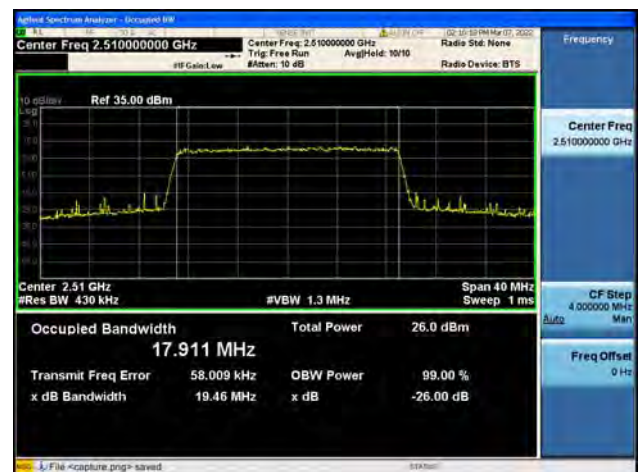
Band7 / 20MHz / Low CH / QPSK



Band7 / 20MHz / Low CH / 16QAM

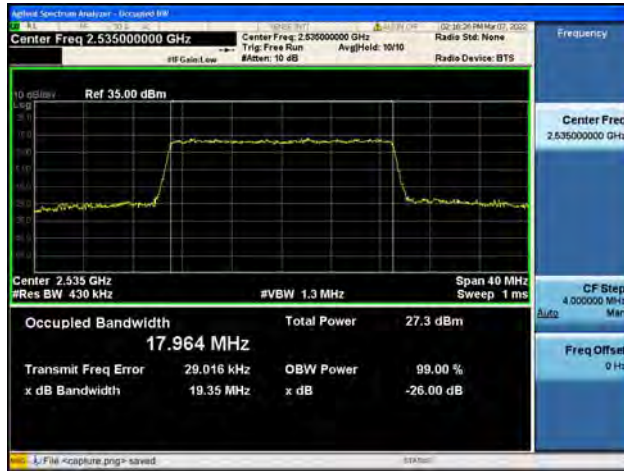


Band7 / 20MHz / Low CH / 64QAM

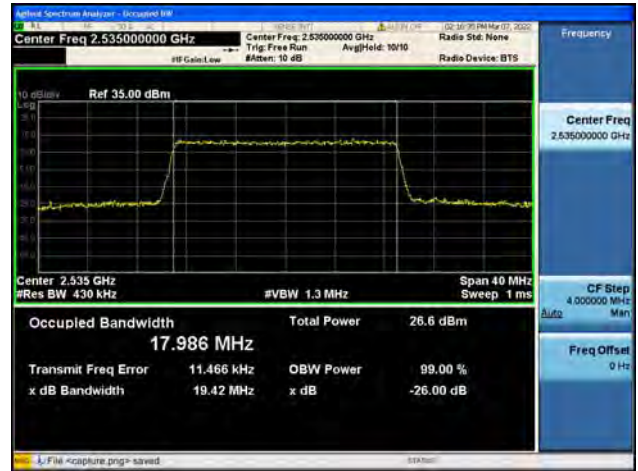




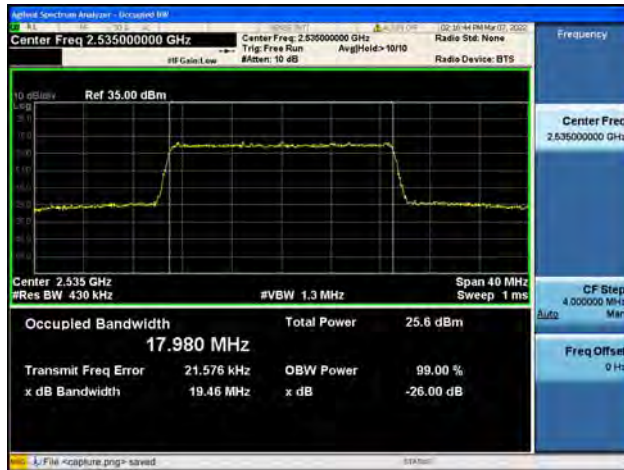
Band7 / 20MHz / Mid CH / QPSK



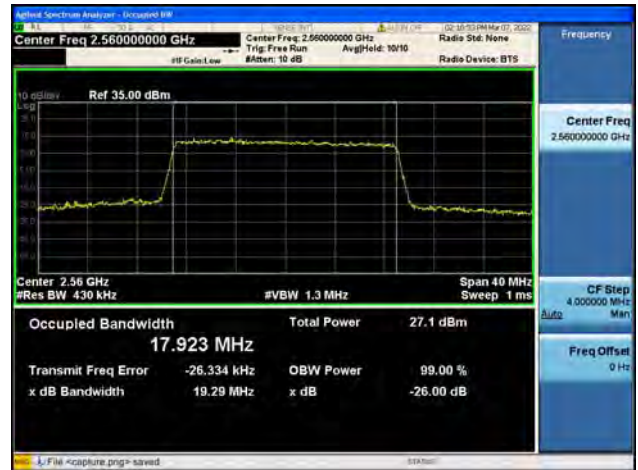
Band7 / 20MHz / Mid CH / 16QAM



Band7 / 20MHz / Mid CH / 64QAM



Band7 / 20MHz / High CH / QPSK



Band7 / 20MHz / High CH / 16QAM

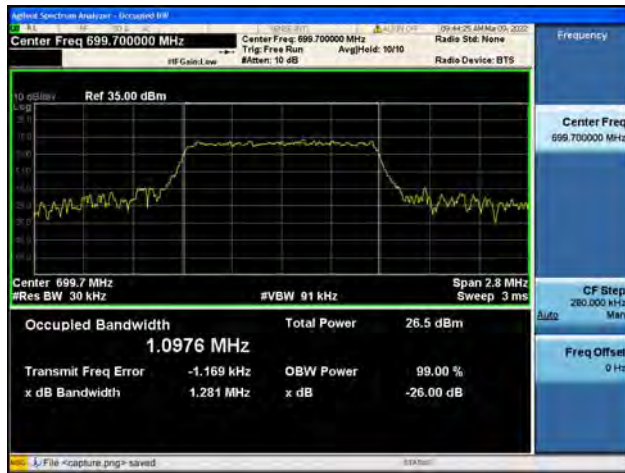


Band7 / 20MHz / High CH / 64QAM

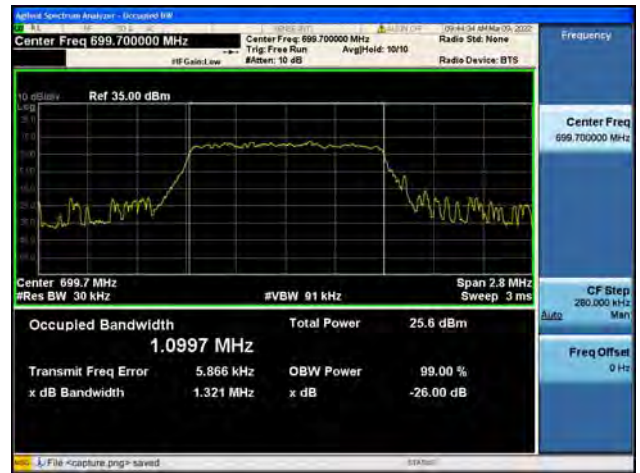




Band12 / 1.4MHz / Low CH / QPSK



Band12 / 1.4MHz / Low CH / 16QAM



Band12 / 1.4MHz / Low CH / 64QAM



Band12 / 1.4MHz / Mid CH / QPSK



Band12 / 1.4MHz / Mid CH / 16QAM

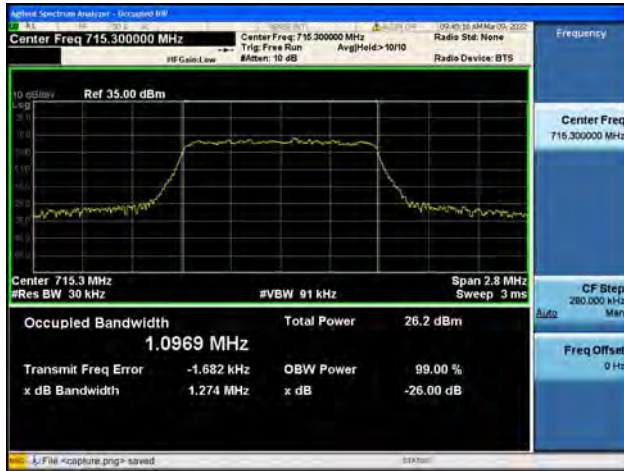


Band12 / 1.4MHz / Mid CH / 64QAM





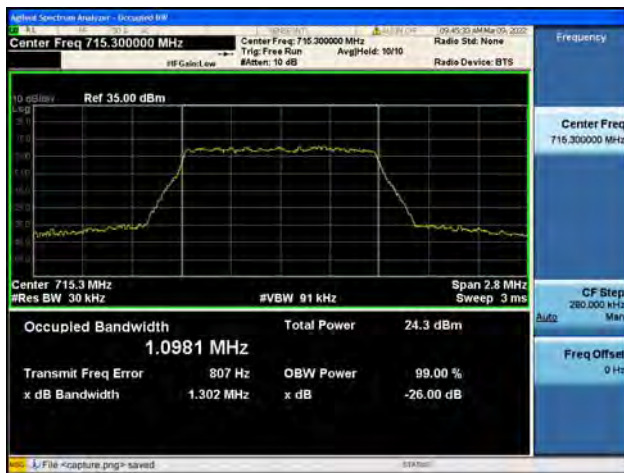
Band12 / 1.4MHz / High CH / QPSK



Band12 / 1.4MHz / High CH / 16QAM



Band12 / 1.4MHz / High CH / 64QAM



Band12 / 3MHz / Low CH / QPSK



Band12 / 3MHz / Low CH / 16QAM

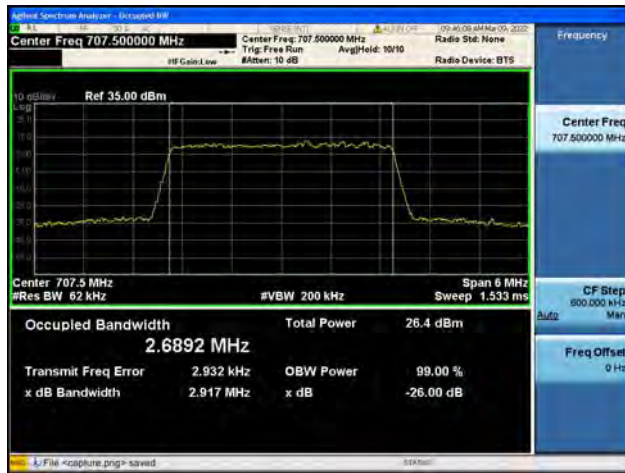


Band12 / 3MHz / Low CH / 64QAM





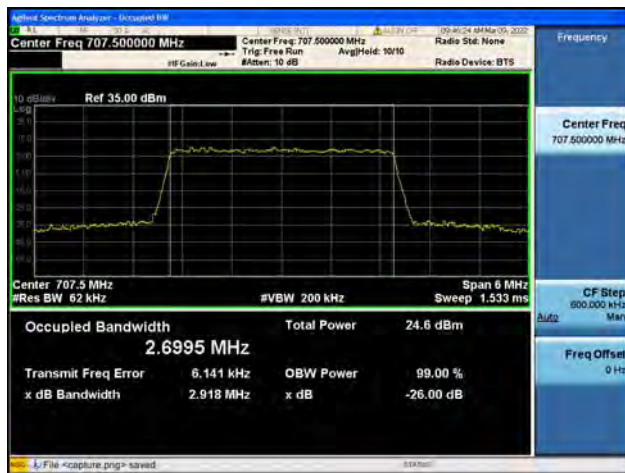
Band12 / 3MHz / Mid CH / QPSK



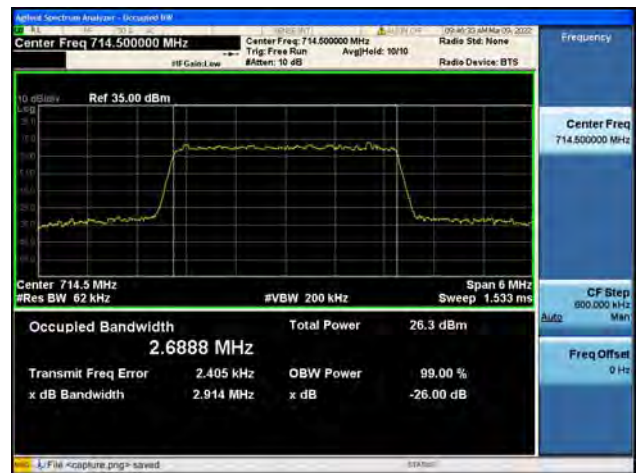
Band12 / 3MHz / Mid CH / 16QAM



Band12 / 3MHz / Mid CH / 64QAM



Band12 / 3MHz / High CH / QPSK



Band12 / 3MHz / High CH / 16QAM

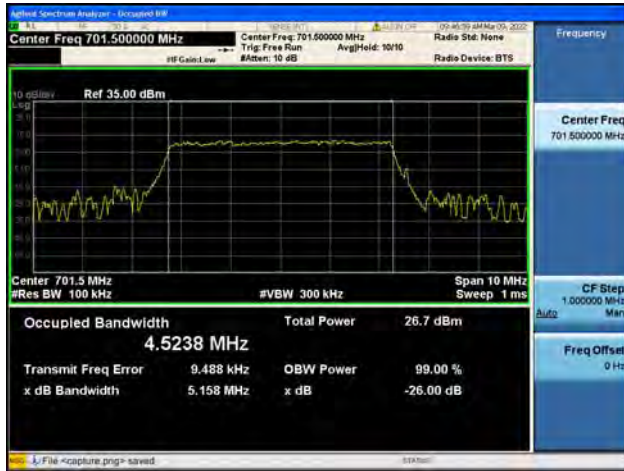


Band12 / 3MHz / High CH / 64QAM

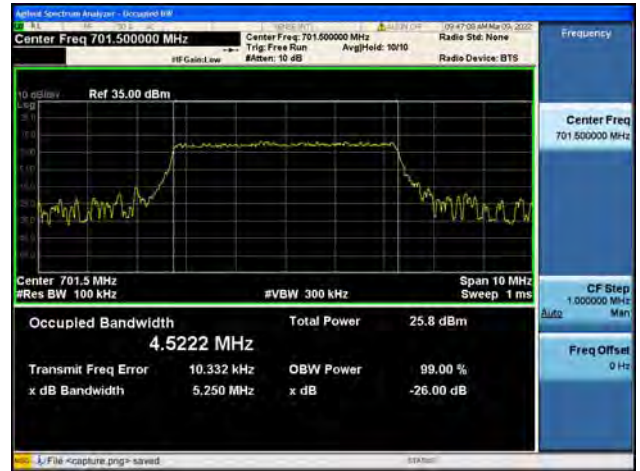




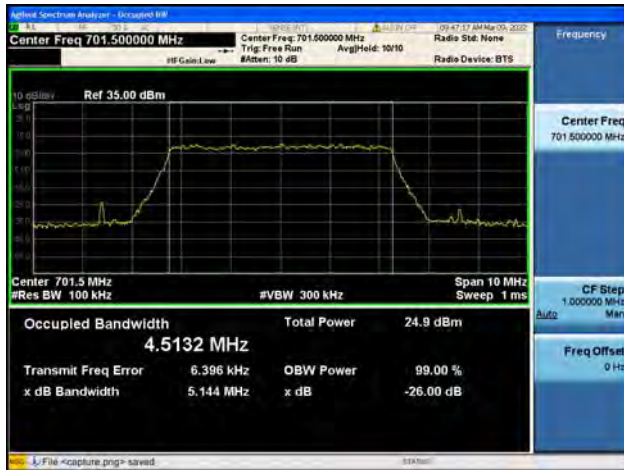
Band12 / 5MHz / Low CH / QPSK



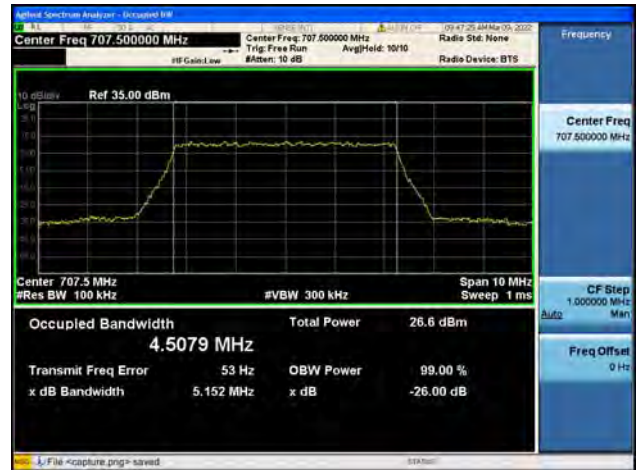
Band12 / 5MHz / Low CH / 16QAM



Band12 / 5MHz / Low CH / 64QAM



Band12 / 5MHz / Mid CH / QPSK



Band12 / 5MHz / Mid CH / 16QAM



Band12 / 5MHz / Mid CH / 64QAM

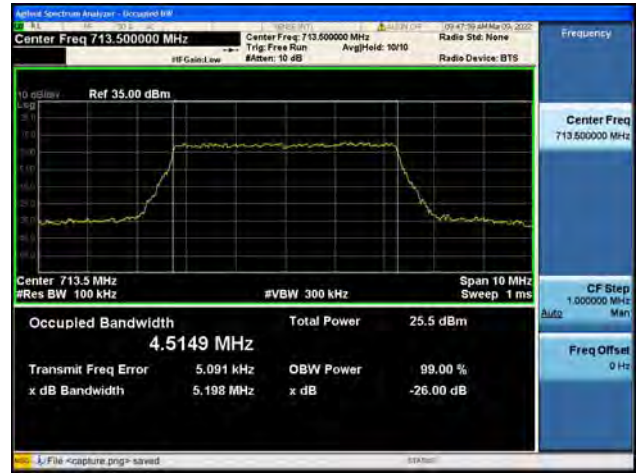




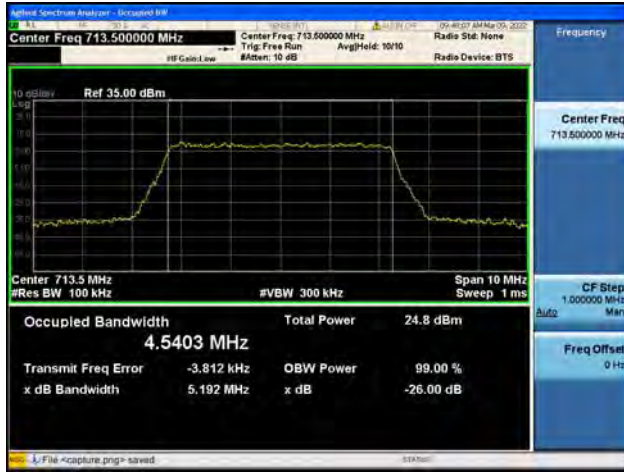
Band12 / 5MHz / High CH / QPSK



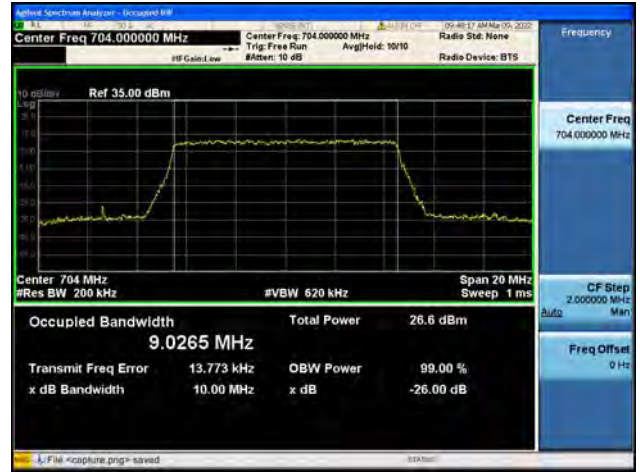
Band12 / 5MHz / High CH / 16QAM



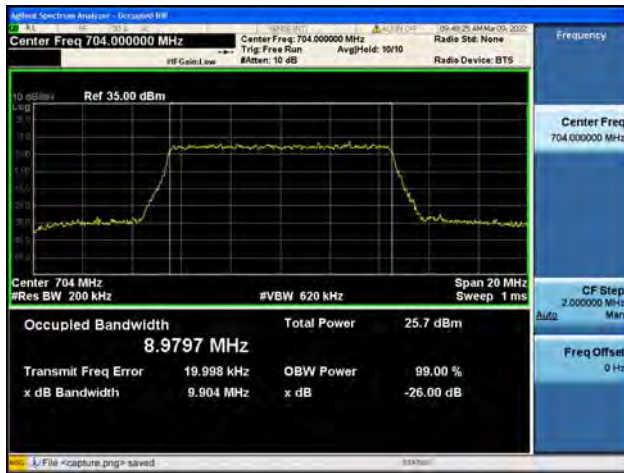
Band12 / 5MHz / High CH / 64QAM



Band12 / 10MHz / Low CH / QPSK



Band12 / 10MHz / Low CH / 16QAM



Band12 / 10MHz / Low CH / 64QAM

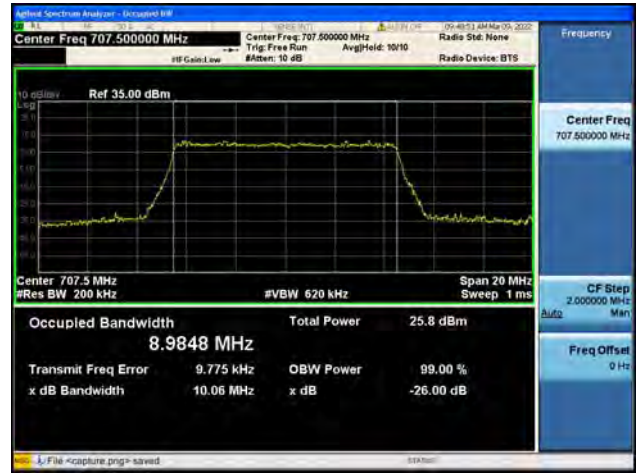




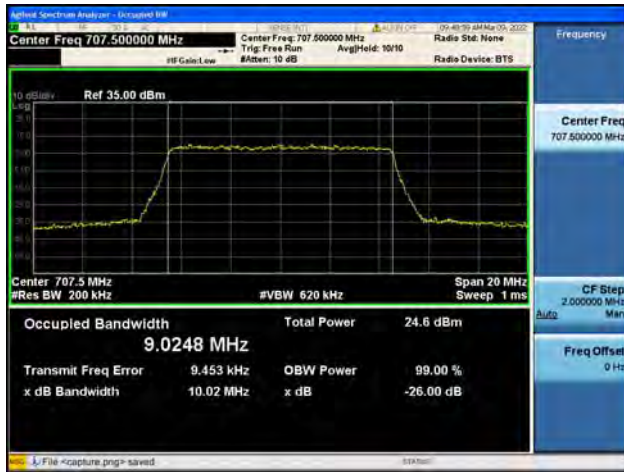
Band12 / 10MHz / Mid CH / QPSK



Band12 / 10MHz / Mid CH / 16QAM



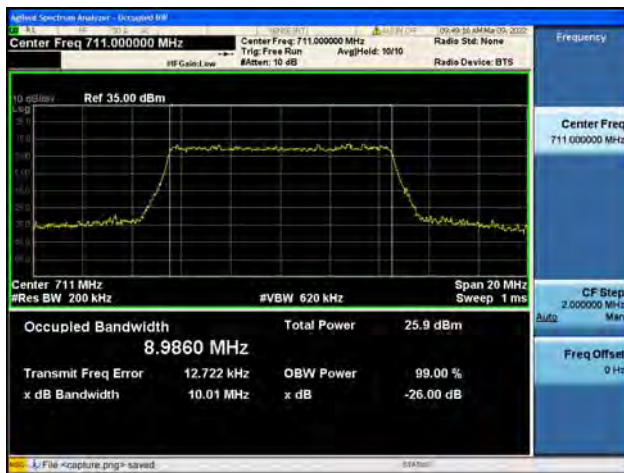
Band12 / 10MHz / Mid CH / 64QAM



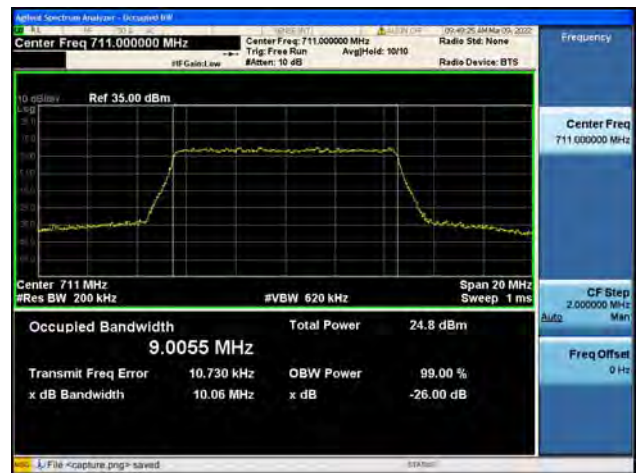
Band12 / 10MHz / High CH / QPSK



Band12 / 10MHz / High CH / 16QAM

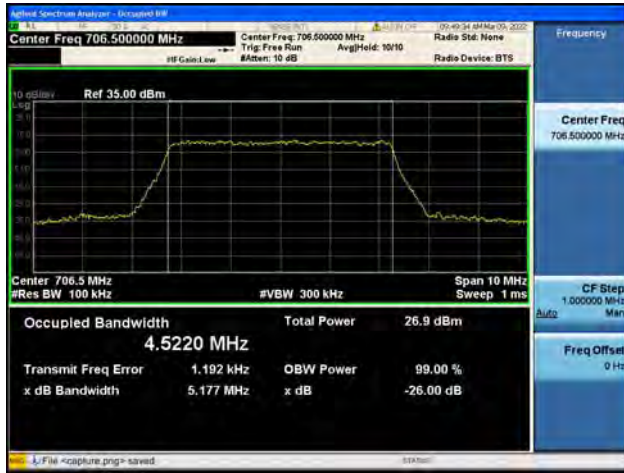


Band12 / 10MHz / High CH / 64QAM

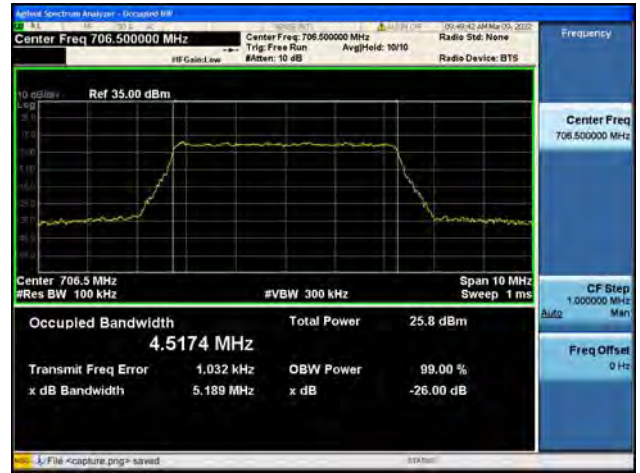




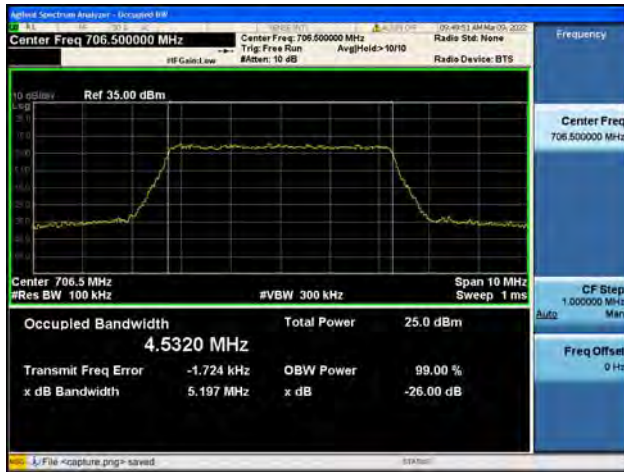
Band17 / 5MHz / Low CH / QPSK



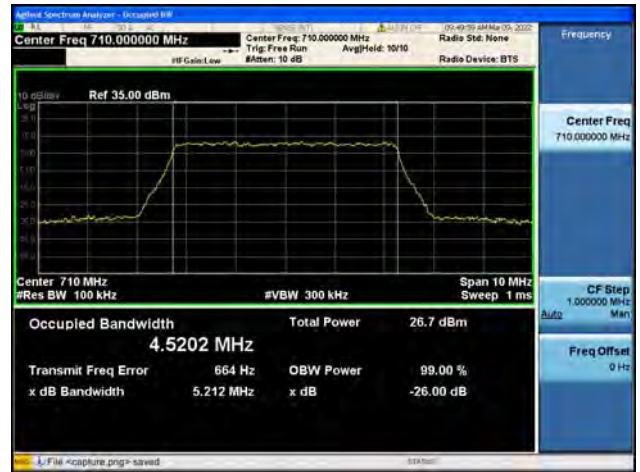
Band17 / 5MHz / Low CH / 16QAM



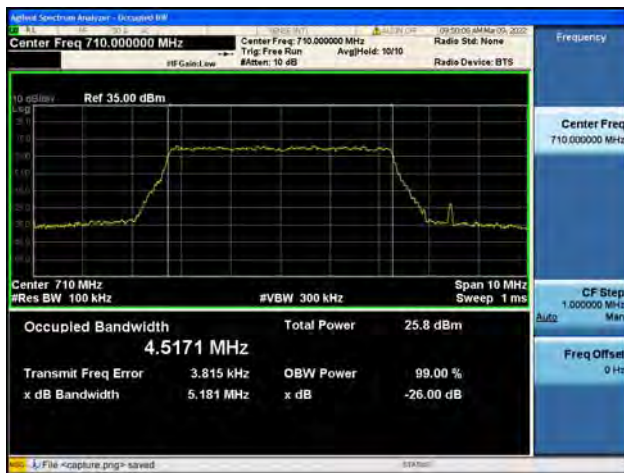
Band17 / 5MHz / Low CH / 64QAM



Band17 / 5MHz / Mid CH / QPSK



Band17 / 5MHz / Mid CH / 16QAM

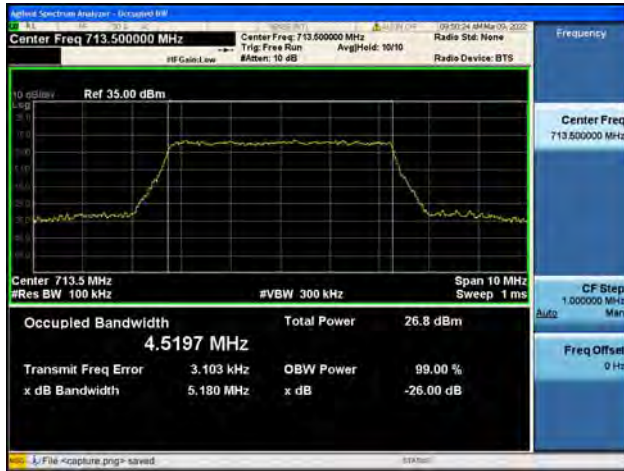


Band17 / 5MHz / Mid CH / 64QAM

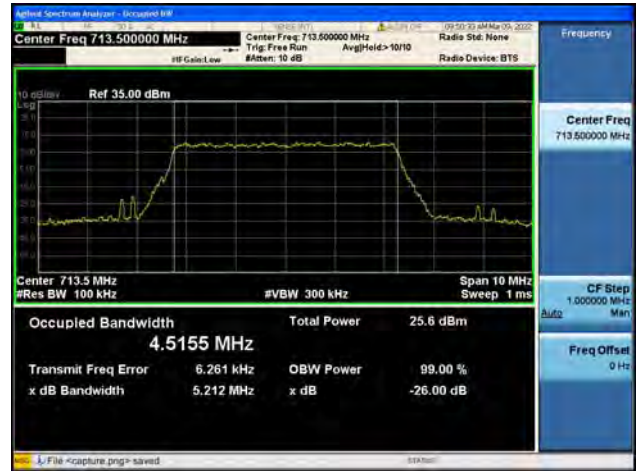




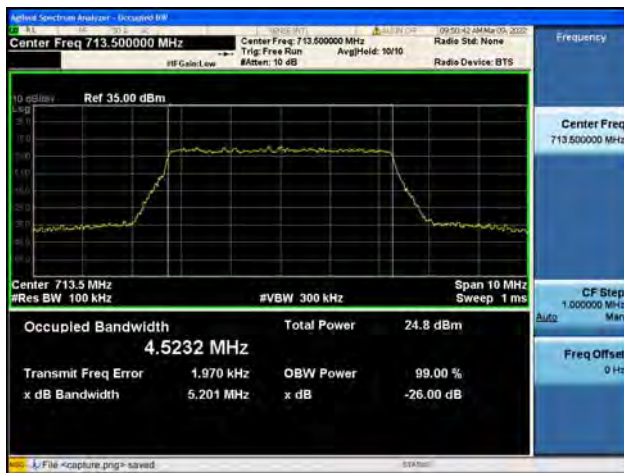
Band17 / 5MHz / High CH / QPSK



Band17 / 5MHz / High CH / 16QAM



Band17 / 5MHz / High CH / 64QAM



Band17 / 10MHz / Low CH / QPSK



Band17 / 10MHz / Low CH / 16QAM

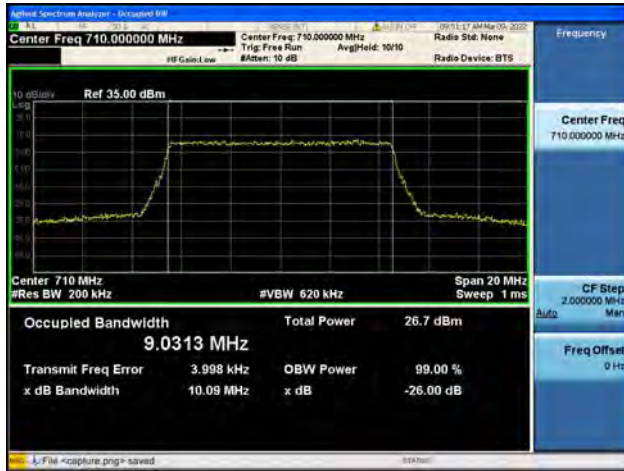


Band17 / 10MHz / Low CH / 64QAM





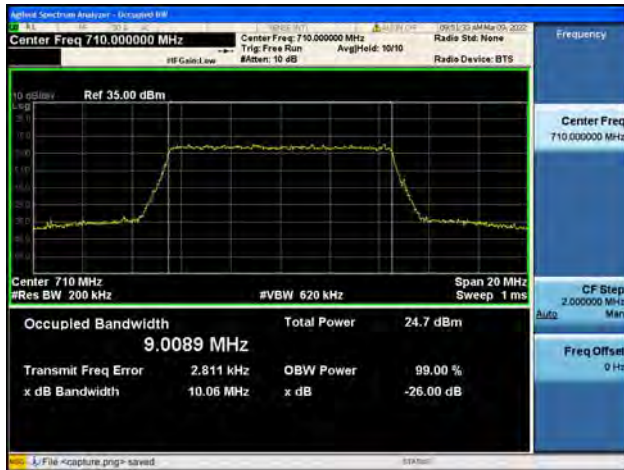
Band17 / 10MHz / Mid CH / QPSK



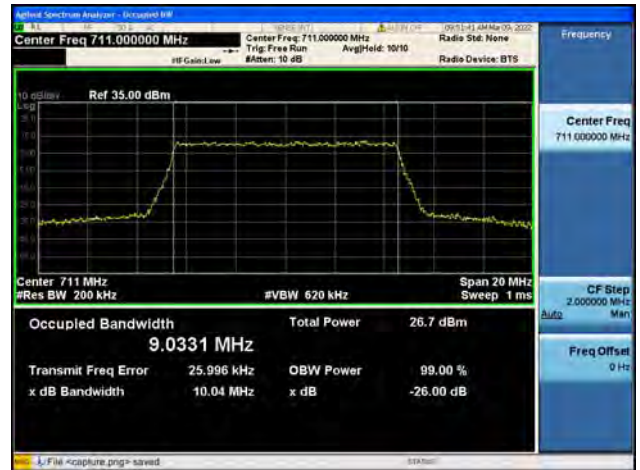
Band17 / 10MHz / Mid CH / 16QAM



Band17 / 10MHz / Mid CH / 64QAM



Band17 / 10MHz / High CH / QPSK



Band17 / 10MHz / High CH / 16QAM

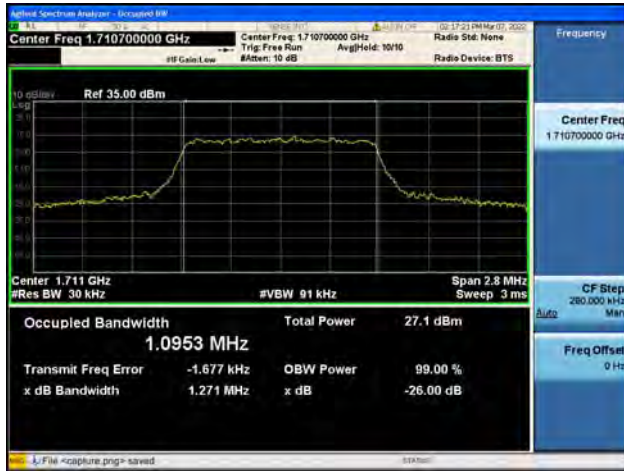


Band17 / 10MHz / High CH / 64QAM

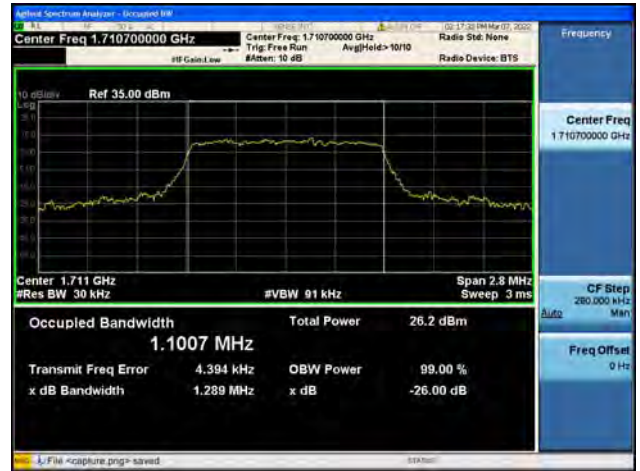




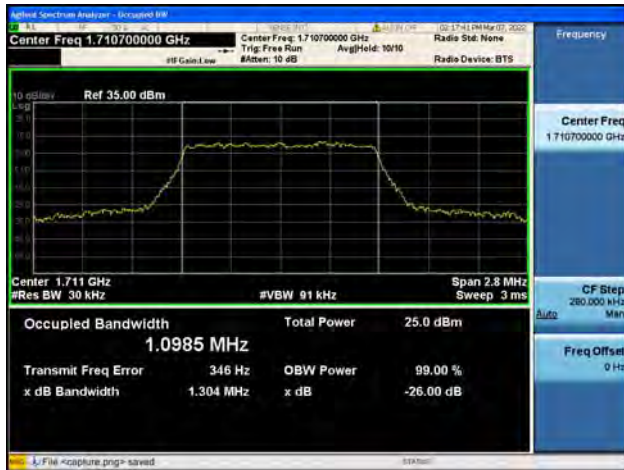
Band66 / 1.4MHz / Low CH / QPSK



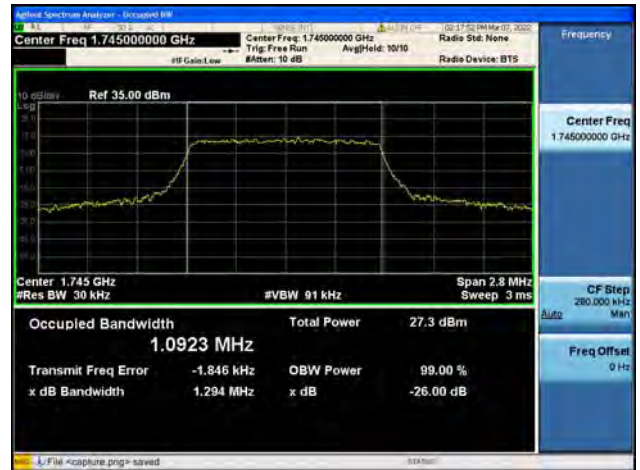
Band66 / 1.4MHz / Low CH / 16QAM



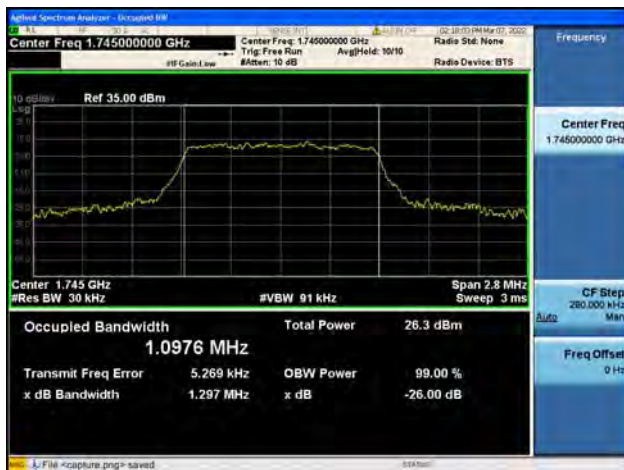
Band66 / 1.4MHz / Low CH / 64QAM



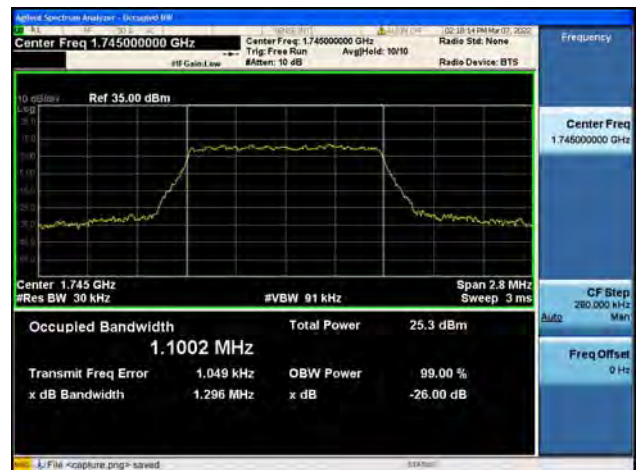
Band66 / 1.4MHz / Mid CH / QPSK



Band66 / 1.4MHz / Mid CH / 16QAM

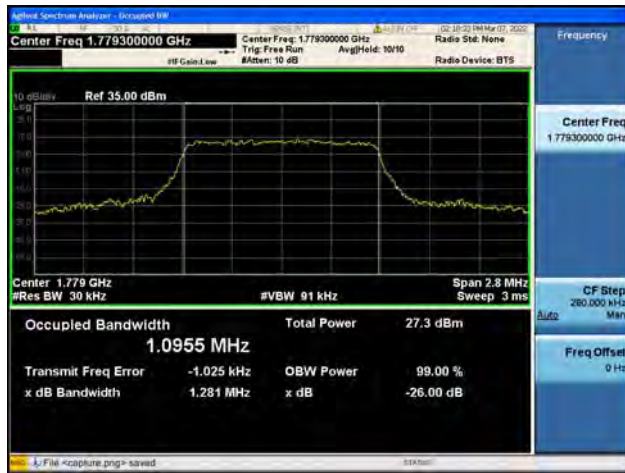


Band66 / 1.4MHz / Mid CH / 64QAM





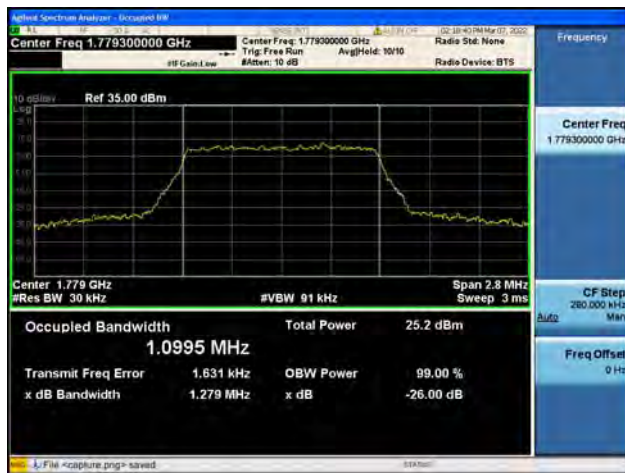
Band66 / 1.4MHz / High CH / QPSK



Band66 / 1.4MHz / High CH / 16QAM



Band66 / 1.4MHz / High CH / 64QAM



Band66 / 3MHz / Low CH / QPSK



Band66 / 3MHz / Low CH / 16QAM

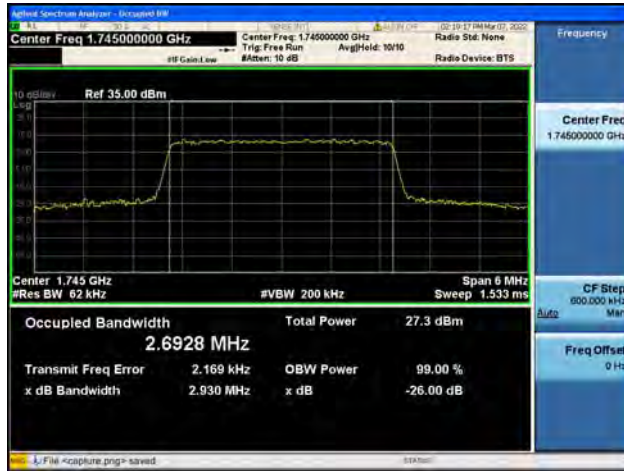


Band66 / 3MHz / Low CH / 64QAM





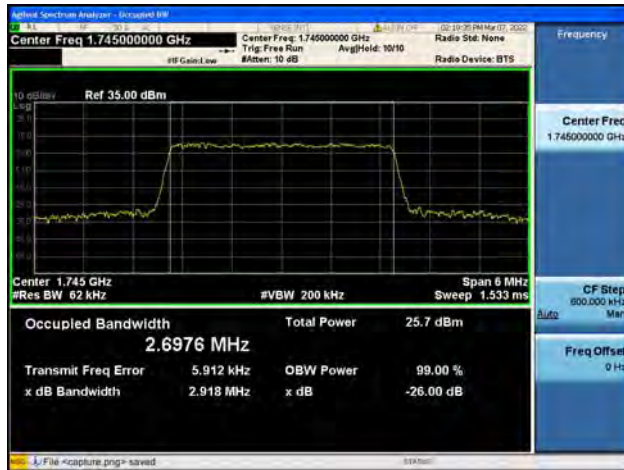
Band66 / 3MHz / Mid CH / QPSK



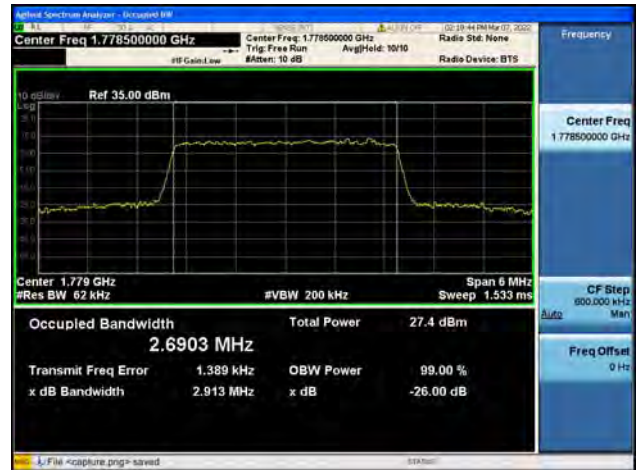
Band66 / 3MHz / Mid CH / 16QAM



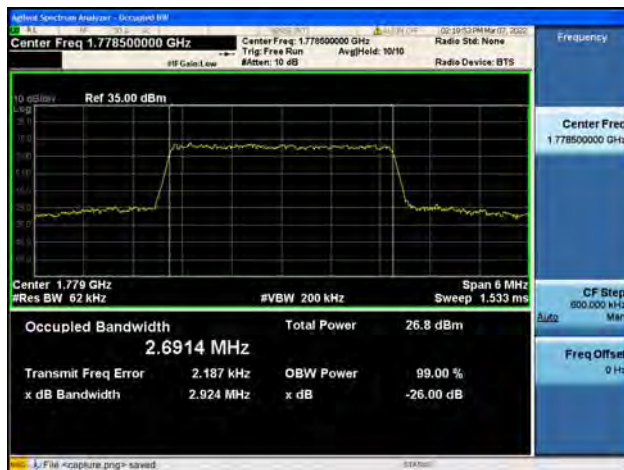
Band66 / 3MHz / Mid CH / 64QAM



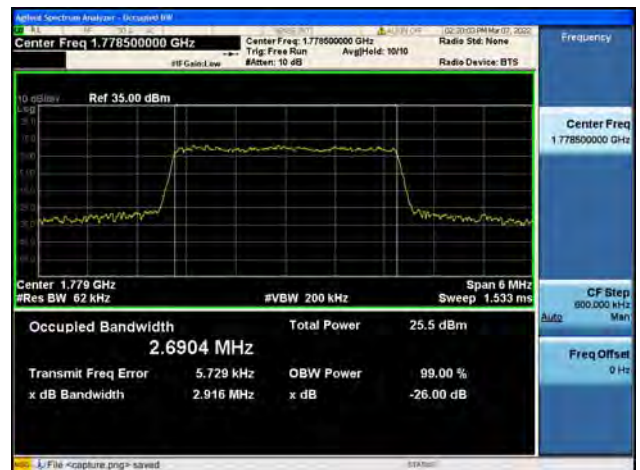
Band66 / 3MHz / High CH / QPSK



Band66 / 3MHz / High CH / 16QAM

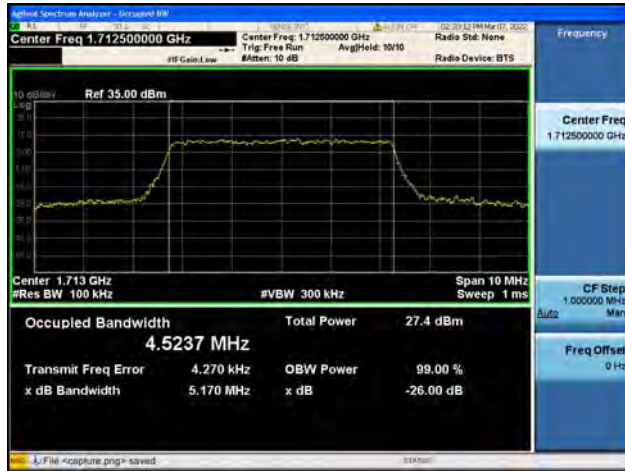


Band66 / 3MHz / High CH / 64QAM

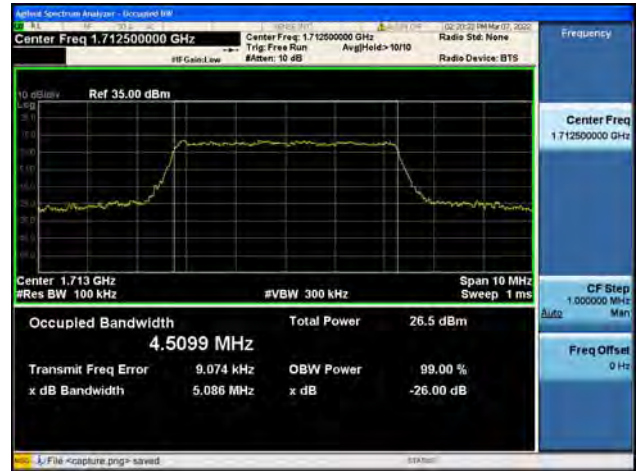




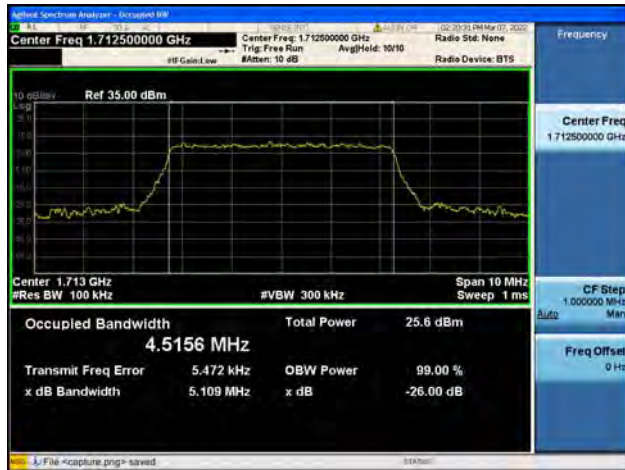
Band66 / 5MHz / Low CH / QPSK



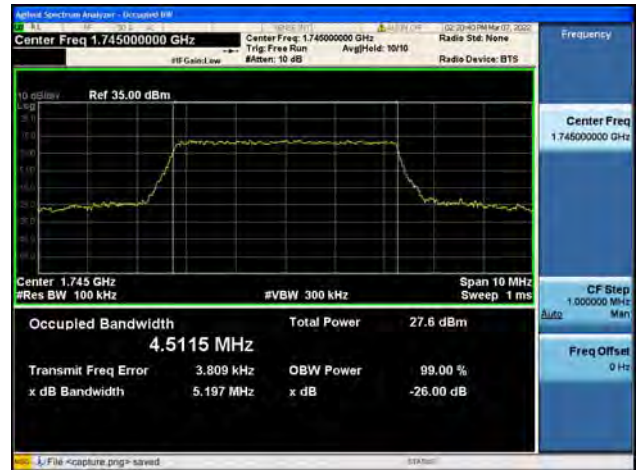
Band66 / 5MHz / Low CH / 16QAM



Band66 / 5MHz / Low CH / 64QAM



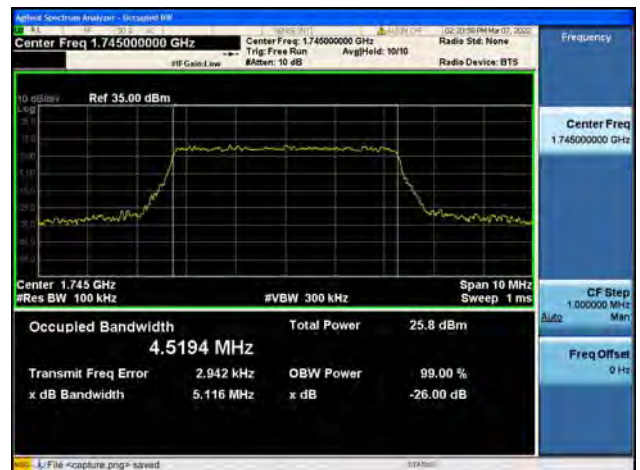
Band66 / 5MHz / Mid CH / QPSK



Band66 / 5MHz / Mid CH / 16QAM

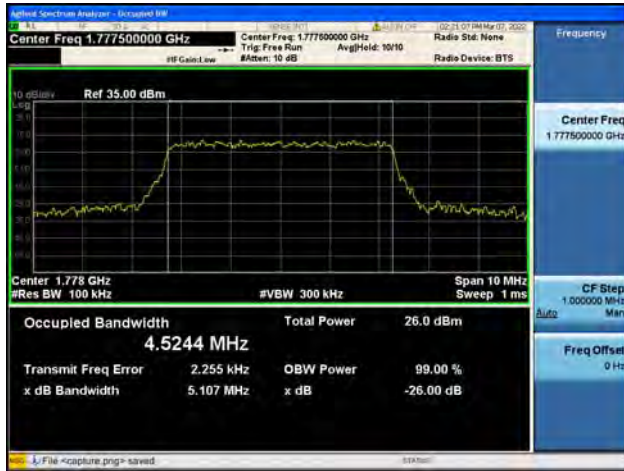


Band66 / 5MHz / Mid CH / 64QAM

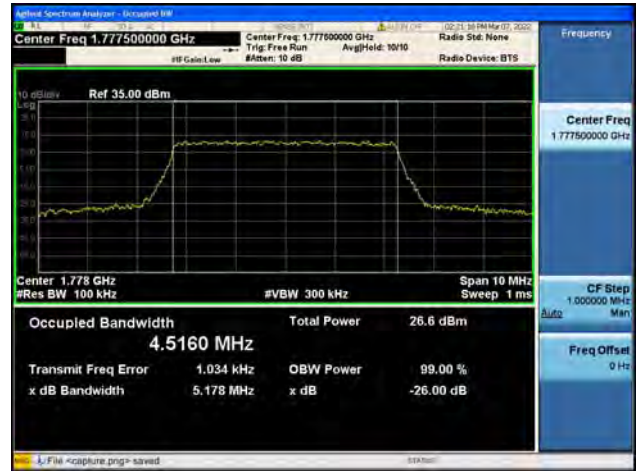




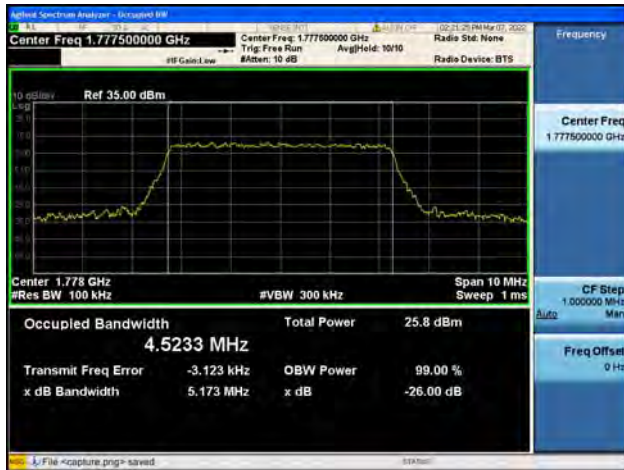
Band66 / 5MHz / High CH / QPSK



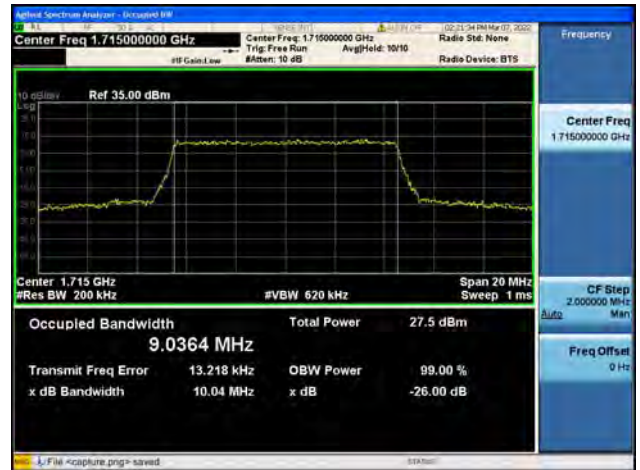
Band66 / 5MHz / High CH / 16QAM



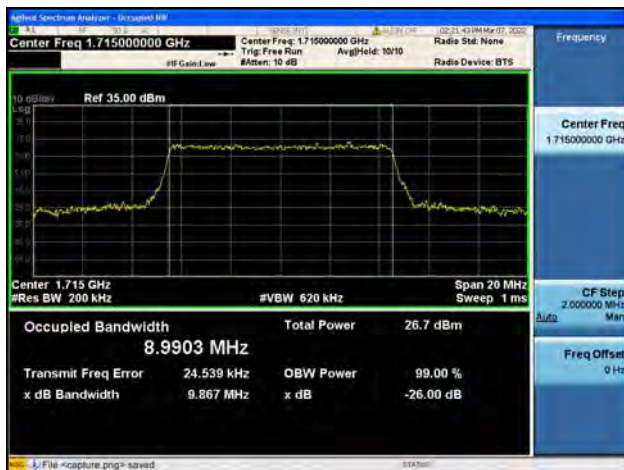
Band66 / 5MHz / High CH / 64QAM



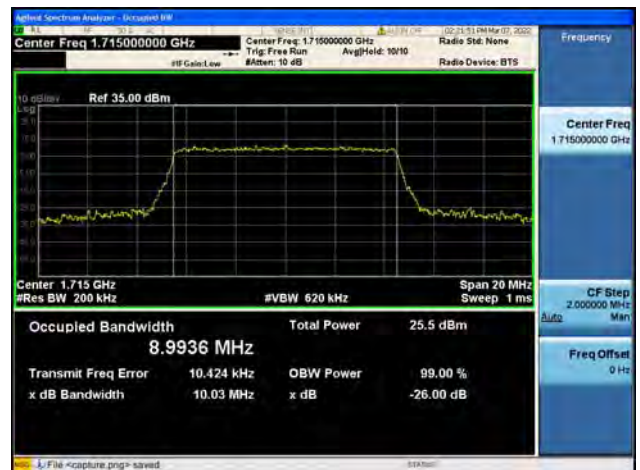
Band66 / 10MHz / Low CH / QPSK



Band66 / 10MHz / Low CH / 16QAM



Band66 / 10MHz / Low CH / 64QAM

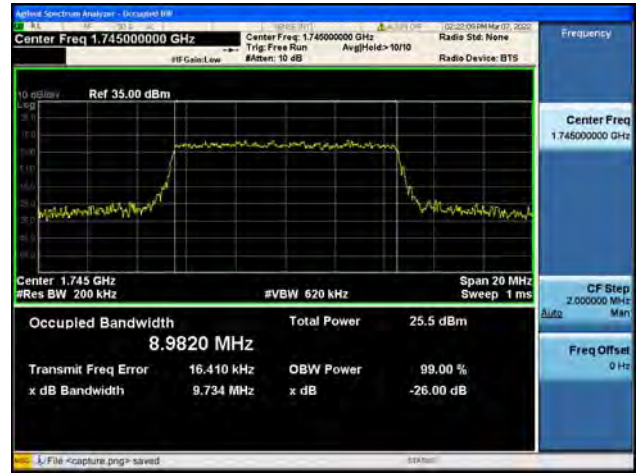




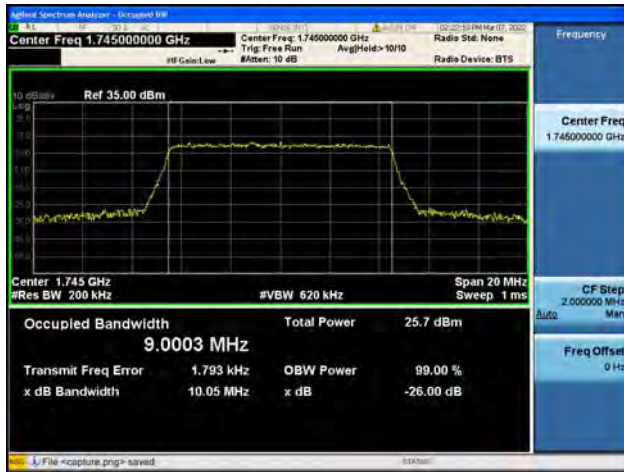
Band66 / 10MHz / Mid CH / QPSK



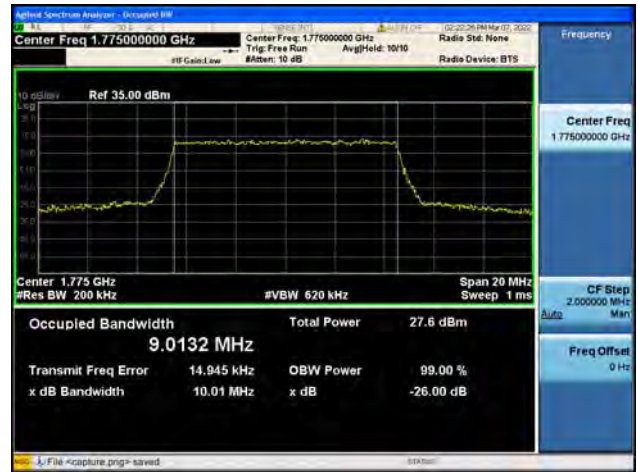
Band66 / 10MHz / Mid CH / 16QAM



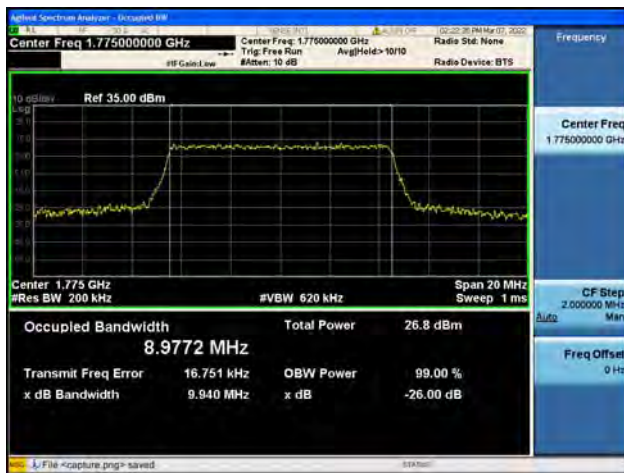
Band66 / 10MHz / Mid CH / 64QAM



Band66 / 10MHz / High CH / QPSK



Band66 / 10MHz / High CH / 16QAM



Band66 / 10MHz / High CH / 64QAM

