



TEST REPORT

APPLICANT : BLU Products, Inc.

PRODUCT NAME : Tablet

MODEL NAME : M8L

BRAND NAME : BLU

FCC ID : YHLBLUX8L

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

RECEIPT DATE : 2021-09-26

TEST DATE : 2021-09-27 to 2021-10-22

ISSUE DATE : 2021-10-22

Edited by: Peng Mi
Peng Mi (Rapporteur)

Approved by: Shen Junsheng
Shen Junsheng (Supervisor)

NOTE: This document is issued by Shenzhen Morlab Communications Technology Co., Ltd., the test report shall not be reproduced except in full without prior written permission of the company. The test results apply only to the particular sample(s) tested and to the specific tests carried out which is available on request for validation and information confirmed at our website.





DIRECTORY

- 1. Technical Information 3**
- 1.1. Applicant and Manufacturer Information 3**
- 1.2. Equipment Under Test (EUT) Description 3**
- 1.3. Maximum E.R.P./E.I.R.P. and Emission Designator 5**
- 1.4. Test Standards and Results 7**
- 1.5. Environmental Conditions 8**
- 2. 47 CFR Part 2, Part 22H, Part 24E, Part 27 H&L&M Requirements 9**
- 2.1. Transmitter Conducted Output Power and E.R.P./E.I.R.P. 9**
- 2.2. Occupied Bandwidth 75**
- 2.3. Frequency Stability 134**
- 2.4. Peak to Average Ratio 139**
- 2.5. Conducted Spurious Emissions 173**
- 2.6. Band Edge 228**
- 2.7. Radiated Spurious Emissions 262**
- Annex A Test Uncertainty 286**
- Annex B Testing Laboratory Information 287**

Change History		
Version	Date	Reason for change
1.0	2021-10-22	First edition



1. Technical Information

Note: Provide by applicant.

1.1. Applicant and Manufacturer Information

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

1.2. Equipment Under Test (EUT) Description

Product Name:	Tablet	
Sample No.:	3#	
Hardware Version:	AD153M30-C20-T	
Software Version:	BLU_M0173WW_V11.0.G.03.00_GENERIC_19-10-2021_1855	
Modulation Type:	QPSK, 16QAM, 64QAM	
Carrier Aggregation:	Not Support	
Operation Band:	Band 2 / 4 / 5 / 7 / 12 / 17 / 66	
Frequency Range:	LTE Band 2	Tx: 1850MHz–1910MHz
		Rx: 1930MHz–1990MHz
	LTE Band 4	Tx: 1710MHz–1755MHz
		Rx: 2110MHz–2155MHz
	LTE Band 5	Tx: 824MHz–849MHz
		Rx: 869MHz–894MHz
	LTE Band 7	Tx: 2500MHz–2570MHz
		Rx: 2620MHz–2690MHz
	LTE Band 12	Tx: 699MHz - 716MHz
		Rx: 729MHz – 746MHz
	LTE Band 17	Tx: 704MHz - 716MHz
		Rx: 734MHz – 746MHz
	LTE Band 66	Tx: 1710MHz –1780MHz
		Rx: 2110MHz –2200MHz



Channel Bandwidth:	LTE Band 2	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 4	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 5	1.4MHz, 3MHz, 5MHz, 10MHz
	LTE Band 7	5 MHz, 10MHz, 15MHz, 20MHz
	LTE Band 12	1.4MHz, 3 MHz, 5 MHz, 10MHz
	LTE Band 17	5 MHz, 10MHz
	LTE Band 66	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
Antenna Type:	PIFA Antenna	
Antenna Gain:	LTE Band 2	-1.5dBi
	LTE Band 4	-1.4dBi
	LTE Band 5	-1.7dBi
	LTE Band 7	1.5dBi
	LTE Band 12	-1.8dBi
	LTE Band 17	-1.8dBi
	LTE Band 66	-1.4dBi
Accessory Information:	Battery	
	Brand Name:	BLU
	Model No.:	C101031400P
	Serial No.:	N/A
	Capacity:	4000mAh
	Rated Voltage:	3.7V
	Charge Limit:	4.2V
	Manufacturer:	SHEN ZHEN JIAJINYUAN TECHNOLOGY CO,LTD
	AC Adapter	
	Brand Name:	BLU
	Model No.:	US-FC-1501
	Serial No.:	N/A
	Rated Output:	5V=1500mA
	Rated Input:	100-240V~50/60Hz, 0.3A
	Manufacturer:	Dongguan Fengcheng electronic Keling Co., Ltd

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

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

LTE Band 2		Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
20	0.166	0.140	0.110	18M0G7D	18M1W7D	18M1W7D	
15	0.165	0.138	0.109	13M5G7D	13M5W7D	13M5W7D	
10	0.163	0.137	0.108	9M02G7D	8M98W7D	9M01W7D	
5	0.161	0.136	0.107	4M50G7D	4M49W7D	4M50W7D	
3	0.160	0.135	0.106	2M72G7D	2M71W7D	2M73W7D	
1.4	0.158	0.135	0.105	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	0.145	0.135	0.106	18M0G7D	18M0W7D	18M0W7D	
15	0.144	0.133	0.105	13M5G7D	13M5W7D	13M5W7D	
10	0.142	0.132	0.104	9M03G7D	8M98W7D	9M00W7D	
5	0.140	0.130	0.104	4M51G7D	4M50W7D	4M49W7D	
3	0.138	0.129	0.103	2M72G7D	2M72W7D	2M72W7D	
1.4	0.136	0.128	0.102	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	0.084	0.076	0.058	9M03G7D	8M99W7D	9M01W7D	
5	0.083	0.074	0.058	4M52G7D	4M51W7D	4M50W7D	
3	0.081	0.073	0.057	2M72G7D	2M73W7D	2M72W7D	
1.4	0.081	0.072	0.056	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	0.132	0.118	0.090	18M0G7D	18M1W7D	18M0W7D	
15	0.131	0.117	0.090	13M5G7D	13M5W7D	13M5W7D	
10	0.129	0.116	0.089	9M02G7D	8M99W7D	9M01W7D	
5	0.128	0.115	0.088	4M51G7D	4M51W7D	4M50W7D	
LTE Band 12		Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
10	0.081	0.077	0.058	9M06G7D	8M99W7D	9M01W7D	
5	0.080	0.076	0.058	4M50G7D	4M50W7D	4M50W7D	
3	0.079	0.076	0.057	2M72G7D	2M72W7D	2M73W7D	
1.4	0.078	0.075	0.057	1M09G7D	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	0.087	0.077	0.059	9M01G7D	8M97W7D	8M99W7D
5	0.086	0.076	0.059	4M50G7D	4M50W7D	4M50W7D
LTE Band 66	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.143	0.135	0.102	18M0G7D	18M0W7D	18M1W7D
15	0.142	0.133	0.101	13M5G7D	13M6W7D	13M5W7D
10	0.140	0.132	0.100	9M00G7D	8M98W7D	9M01W7D
5	0.139	0.130	0.100	4M52G7D	4M52W7D	4M52W7D
3	0.138	0.129	0.099	2M72G7D	2M73W7D	2M72W7D
1.4	0.136	0.128	0.099	1M10G7D	1M09W7D	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.	Oct 22, 2021	Tan Xiaowei Gao Jianrou	PASS	No deviation
2.1049	Occupied Bandwidth	Sep 28, 2021 Oct 15, 2021	Li Huaijie	PASS	No deviation
2.1055 22.355 24.235 27.54	Frequency Stability	Oct 19, 2021	Li Huaijie	PASS	No deviation
24.232(d), 27.50(d)(5)	Peak to Average Radio	Sep 28, 2021 Oct 15, 2021	Li Huaijie	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(g) 27.53(h) 27.53(m)(4)	Conducted Spurious Emissions	Oct 09, 2021	Li Huaijie	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(g)	Band Edge	Oct 11, 2021	Li Huaijie	PASS	No deviation



27.53(h) 27.53(m)(4)					
2.1051 22.917(a) 24.238(a) 27.53(g) 27.53(h) 27.53(m)(4)	Radiated Spurious Emissions	Oct 17, 2021	Gao Jianrou	PASS	No deviation

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

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

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

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

1.5. Environmental Conditions

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

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



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

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

2.1.1. Requirement

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

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

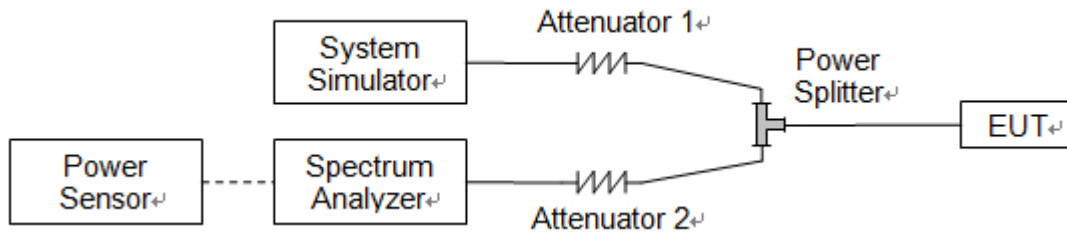
According to FCC section 27.50 (d)(4) for LTE Band 4/66, Fixed, mobile and portable (hand-held) stations in the 1710-1755MHz band are limited to 1wat E.I.R.P.

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

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

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

2.1.2. Test Description



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

2.1.3. Test Procedure

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

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

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



2.1.4. Result

Conducted Output Power:

LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18700	18900	19100
Frequency (MHz)				1860	1880	1900
20	QPSK	1	0	23.66	23.71	23.69
20	QPSK	1	49	23.47	23.60	23.51
20	QPSK	1	99	23.31	23.43	23.45
20	QPSK	50	0	22.58	22.77	22.66
20	QPSK	50	24	22.45	22.59	22.51
20	QPSK	50	50	22.42	22.55	22.56
20	QPSK	100	0	22.39	22.49	22.43
20	16QAM	1	0	22.78	22.96	22.73
20	16QAM	1	49	22.70	22.93	22.56
20	16QAM	1	99	22.60	22.83	22.51
20	16QAM	50	0	21.74	22.02	21.79
20	16QAM	50	24	21.68	21.87	21.66
20	16QAM	50	50	21.64	21.71	21.57
20	16QAM	100	0	21.59	21.57	21.40
20	64QAM	1	0	21.77	21.91	21.75
20	64QAM	1	49	21.68	21.77	21.60
20	64QAM	1	99	21.64	21.73	21.57
20	64QAM	50	0	20.83	21.03	20.74
20	64QAM	50	24	20.79	20.88	20.82
20	64QAM	50	50	20.67	20.77	20.72
20	64QAM	100	0	20.64	20.88	20.68



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18675	18900	19125
Frequency (MHz)				1857.5	1880	1902.5
15	QPSK	1	0	23.64	23.67	23.60
15	QPSK	1	37	23.49	23.55	23.47
15	QPSK	1	74	23.27	23.39	23.41
15	QPSK	36	0	22.53	22.71	22.62
15	QPSK	36	20	22.40	22.53	22.48
15	QPSK	36	39	22.38	22.51	22.52
15	QPSK	75	0	22.36	22.46	22.39
15	16QAM	1	0	22.75	22.91	22.67
15	16QAM	1	37	22.68	22.91	22.52
15	16QAM	1	74	22.56	22.79	22.46
15	16QAM	36	0	21.68	21.96	21.75
15	16QAM	36	20	21.66	21.81	21.63
15	16QAM	36	39	21.60	21.68	21.52
15	16QAM	75	0	21.56	21.52	21.34
15	64QAM	1	0	21.73	21.88	21.71
15	64QAM	1	37	21.64	21.72	21.56
15	64QAM	1	74	21.61	21.70	21.55
15	64QAM	36	0	20.80	21.01	20.70
15	64QAM	36	20	20.74	20.84	20.77
15	64QAM	36	39	20.62	20.74	20.68
15	64QAM	75	0	20.58	20.82	20.65



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18650	18900	19150
Frequency (MHz)				1855	1880	1905
10	QPSK	1	0	23.57	23.61	23.55
10	QPSK	1	25	23.47	23.51	23.44
10	QPSK	1	49	23.23	23.35	23.39
10	QPSK	25	0	22.49	22.68	22.56
10	QPSK	25	12	22.34	22.51	22.45
10	QPSK	25	25	22.34	22.48	22.49
10	QPSK	50	0	22.31	22.44	22.36
10	16QAM	1	0	22.72	22.87	22.61
10	16QAM	1	25	22.65	22.87	22.50
10	16QAM	1	49	22.52	22.76	22.41
10	16QAM	25	0	21.66	21.93	21.72
10	16QAM	25	12	21.63	21.75	21.58
10	16QAM	25	25	21.56	21.65	21.49
10	16QAM	50	0	21.52	21.48	21.29
10	64QAM	1	0	21.70	21.85	21.68
10	64QAM	1	25	21.61	21.68	21.52
10	64QAM	1	49	21.58	21.67	21.52
10	64QAM	25	0	20.75	20.97	20.67
10	64QAM	25	12	20.70	20.80	20.71
10	64QAM	25	25	20.58	20.71	20.65
10	64QAM	50	0	20.54	20.80	20.62



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18625	18900	19175
Frequency (MHz)				1852.5	1880	1907.5
5	QPSK	1	0	23.52	23.56	23.49
5	QPSK	1	12	23.44	23.49	23.42
5	QPSK	1	24	23.18	23.30	23.34
5	QPSK	12	0	22.45	22.66	22.52
5	QPSK	12	7	22.32	22.46	22.42
5	QPSK	12	13	22.29	22.45	22.44
5	QPSK	25	0	22.25	22.39	22.33
5	16QAM	1	0	22.67	22.84	22.58
5	16QAM	1	12	22.61	22.83	22.46
5	16QAM	1	24	22.47	22.74	22.35
5	16QAM	12	0	21.62	21.90	21.66
5	16QAM	12	7	21.59	21.71	21.56
5	16QAM	12	13	21.52	21.63	21.47
5	16QAM	25	0	21.48	21.45	21.26
5	64QAM	1	0	21.66	21.81	21.63
5	64QAM	1	12	21.55	21.62	21.46
5	64QAM	1	24	21.52	21.63	21.46
5	64QAM	12	0	20.72	20.94	20.64
5	64QAM	12	7	20.66	20.75	20.68
5	64QAM	12	13	20.54	20.69	20.62
5	64QAM	25	0	20.50	20.76	20.60



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18615	18900	19185
Frequency (MHz)				1851.5	1880	1908.5
3	QPSK	1	0	23.50	23.53	23.43
3	QPSK	1	8	23.42	23.45	23.37
3	QPSK	1	14	23.16	23.28	23.32
3	QPSK	8	0	22.42	22.60	22.50
3	QPSK	8	4	22.29	22.42	22.39
3	QPSK	8	7	22.24	22.39	22.38
3	QPSK	15	0	22.20	22.36	22.31
3	16QAM	1	0	22.61	22.81	22.53
3	16QAM	1	8	22.59	22.81	22.43
3	16QAM	1	14	22.43	22.70	22.31
3	16QAM	8	0	21.57	21.88	21.63
3	16QAM	8	4	21.55	21.67	21.51
3	16QAM	8	7	21.50	21.61	21.41
3	16QAM	15	0	21.42	21.40	21.21
3	64QAM	1	0	21.62	21.75	21.58
3	64QAM	1	8	21.49	21.59	21.42
3	64QAM	1	14	21.48	21.61	21.42
3	64QAM	8	0	20.69	20.91	20.60
3	64QAM	8	4	20.62	20.72	20.63
3	64QAM	8	7	20.49	20.63	20.58
3	64QAM	15	0	20.45	20.73	20.54



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18607	18900	19193
Frequency (MHz)				1850.7	1880	1909.3
1.4	QPSK	1	0	23.46	23.50	23.45
1.4	QPSK	1	3	23.39	23.47	23.38
1.4	QPSK	1	5	23.13	23.27	23.29
1.4	QPSK	3	0	22.41	22.64	22.48
1.4	QPSK	3	1	22.30	22.44	22.40
1.4	QPSK	3	3	22.25	22.41	22.42
1.4	QPSK	6	0	22.20	22.36	22.28
1.4	16QAM	1	0	22.65	22.80	22.53
1.4	16QAM	1	3	22.59	22.81	22.43
1.4	16QAM	1	5	22.43	22.70	22.33
1.4	16QAM	3	0	21.58	21.87	21.62
1.4	16QAM	3	1	21.57	21.68	21.51
1.4	16QAM	3	3	21.47	21.57	21.45
1.4	16QAM	6	0	21.43	21.42	21.23
1.4	64QAM	1	0	21.61	21.70	21.61
1.4	64QAM	1	3	21.51	21.58	21.41
1.4	64QAM	1	5	21.48	21.58	21.42
1.4	64QAM	3	0	20.70	20.89	20.59
1.4	64QAM	3	1	20.62	20.71	20.65
1.4	64QAM	3	3	20.51	20.64	20.60
1.4	64QAM	6	0	20.46	20.73	20.55



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20050	20175	20300
Frequency (MHz)				1720	1732.5	1745
20	QPSK	1	0	22.87	23.01	22.94
20	QPSK	1	49	22.72	22.91	22.84
20	QPSK	1	99	22.66	22.84	22.76
20	QPSK	50	0	21.85	22.13	21.96
20	QPSK	50	24	21.82	22.00	21.93
20	QPSK	50	50	21.78	21.90	21.83
20	QPSK	100	0	21.73	21.82	21.76
20	16QAM	1	0	22.53	22.69	22.55
20	16QAM	1	49	22.38	22.63	22.41
20	16QAM	1	99	22.20	22.44	22.37
20	16QAM	50	0	21.74	21.66	21.68
20	16QAM	50	24	21.66	21.64	21.56
20	16QAM	50	50	21.64	21.46	21.50
20	16QAM	100	0	21.47	21.40	21.45
20	64QAM	1	0	21.61	21.64	21.52
20	64QAM	1	49	21.44	21.50	21.43
20	64QAM	1	99	21.33	21.35	21.40
20	64QAM	50	0	20.44	20.46	20.66
20	64QAM	50	24	20.38	20.40	20.63
20	64QAM	50	50	20.34	20.33	20.45
20	64QAM	100	0	20.27	20.22	20.35



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	22.83	22.97	22.88
15	QPSK	1	37	22.67	22.85	22.79
15	QPSK	1	74	22.61	22.79	22.71
15	QPSK	36	0	21.83	22.10	21.91
15	QPSK	36	20	21.80	21.95	21.90
15	QPSK	36	39	21.73	21.84	21.80
15	QPSK	75	0	21.70	21.80	21.74
15	16QAM	1	0	22.49	22.64	22.53
15	16QAM	1	37	22.34	22.58	22.37
15	16QAM	1	74	22.15	22.42	22.32
15	16QAM	36	0	21.71	21.61	21.65
15	16QAM	36	20	21.61	21.61	21.53
15	16QAM	36	39	21.59	21.40	21.45
15	16QAM	75	0	21.42	21.35	21.40
15	64QAM	1	0	21.56	21.62	21.47
15	64QAM	1	37	21.41	21.45	21.40
15	64QAM	1	74	21.29	21.31	21.34
15	64QAM	36	0	20.40	20.42	20.61
15	64QAM	36	20	20.33	20.38	20.58
15	64QAM	36	39	20.29	20.29	20.41
15	64QAM	75	0	20.22	20.16	20.31



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	22.81	22.91	22.83
10	QPSK	1	25	22.61	22.81	22.73
10	QPSK	1	49	22.57	22.77	22.69
10	QPSK	25	0	21.81	22.05	21.87
10	QPSK	25	12	21.74	21.93	21.87
10	QPSK	25	25	21.69	21.78	21.75
10	QPSK	50	0	21.65	21.78	21.69
10	16QAM	1	0	22.43	22.59	22.47
10	16QAM	1	25	22.32	22.54	22.35
10	16QAM	1	49	22.12	22.39	22.27
10	16QAM	25	0	21.66	21.56	21.63
10	16QAM	25	12	21.56	21.59	21.47
10	16QAM	25	25	21.57	21.38	21.39
10	16QAM	50	0	21.40	21.31	21.35
10	64QAM	1	0	21.50	21.59	21.44
10	64QAM	1	25	21.36	21.41	21.36
10	64QAM	1	49	21.26	21.25	21.28
10	64QAM	25	0	20.34	20.36	20.57
10	64QAM	25	12	20.29	20.33	20.55
10	64QAM	25	25	20.24	20.23	20.36
10	64QAM	50	0	20.19	20.13	20.28



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	22.77	22.86	22.79
5	QPSK	1	12	22.58	22.76	22.71
5	QPSK	1	24	22.55	22.74	22.64
5	QPSK	12	0	21.77	21.99	21.84
5	QPSK	12	7	21.70	21.89	21.82
5	QPSK	12	13	21.67	21.75	21.73
5	QPSK	25	0	21.59	21.74	21.63
5	16QAM	1	0	22.38	22.55	22.44
5	16QAM	1	12	22.27	22.51	22.31
5	16QAM	1	24	22.10	22.35	22.22
5	16QAM	12	0	21.63	21.52	21.58
5	16QAM	12	7	21.53	21.57	21.43
5	16QAM	12	13	21.51	21.36	21.36
5	16QAM	25	0	21.37	21.27	21.30
5	64QAM	1	0	21.47	21.57	21.42
5	64QAM	1	12	21.31	21.35	21.34
5	64QAM	1	24	21.22	21.21	21.22
5	64QAM	12	0	20.32	20.33	20.52
5	64QAM	12	7	20.24	20.30	20.50
5	64QAM	12	13	20.19	20.19	20.32
5	64QAM	25	0	20.13	20.09	20.25



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				19965	20175	20385
Frequency (MHz)				1711.5	1732.5	1753.5
3	QPSK	1	0	22.75	22.81	22.76
3	QPSK	1	8	22.54	22.74	22.68
3	QPSK	1	14	22.53	22.70	22.61
3	QPSK	8	0	21.72	21.95	21.80
3	QPSK	8	4	21.64	21.84	21.80
3	QPSK	8	7	21.63	21.72	21.69
3	QPSK	15	0	21.54	21.69	21.57
3	16QAM	1	0	22.35	22.49	22.39
3	16QAM	1	8	22.25	22.48	22.27
3	16QAM	1	14	22.06	22.32	22.18
3	16QAM	8	0	21.59	21.49	21.55
3	16QAM	8	4	21.51	21.54	21.39
3	16QAM	8	7	21.48	21.33	21.31
3	16QAM	15	0	21.32	21.23	21.25
3	64QAM	1	0	21.42	21.52	21.40
3	64QAM	1	8	21.28	21.33	21.31
3	64QAM	1	14	21.18	21.18	21.17
3	64QAM	8	0	20.27	20.29	20.47
3	64QAM	8	4	20.19	20.27	20.48
3	64QAM	8	7	20.16	20.17	20.27
3	64QAM	15	0	20.10	20.03	20.22



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	22.69	22.75	22.69
1.4	QPSK	1	3	22.49	22.68	22.63
1.4	QPSK	1	5	22.48	22.66	22.56
1.4	QPSK	3	0	21.67	21.91	21.72
1.4	QPSK	3	1	21.60	21.81	21.74
1.4	QPSK	3	3	21.59	21.66	21.65
1.4	QPSK	6	0	21.48	21.65	21.56
1.4	16QAM	1	0	22.28	22.47	22.37
1.4	16QAM	1	3	22.21	22.42	22.22
1.4	16QAM	1	5	22.04	22.27	22.16
1.4	16QAM	3	0	21.53	21.44	21.49
1.4	16QAM	3	1	21.47	21.48	21.36
1.4	16QAM	3	3	21.43	21.29	21.32
1.4	16QAM	6	0	21.31	21.17	21.23
1.4	64QAM	1	0	21.41	21.49	21.36
1.4	64QAM	1	3	21.22	21.31	21.25
1.4	64QAM	1	5	21.16	21.14	21.14
1.4	64QAM	3	0	20.22	20.27	20.44
1.4	64QAM	3	1	20.14	20.23	20.41
1.4	64QAM	3	3	20.13	20.11	20.25
1.4	64QAM	6	0	20.08	20.00	20.16



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20450	20525	20600
Frequency (MHz)				829	836.5	844
10	QPSK	1	0	23.00	23.08	23.04
10	QPSK	1	25	22.89	22.99	22.98
10	QPSK	1	49	22.78	22.95	22.83
10	QPSK	25	0	22.00	22.06	22.04
10	QPSK	25	12	21.94	21.90	21.85
10	QPSK	25	25	21.85	21.88	21.82
10	QPSK	50	0	21.77	21.83	21.80
10	16QAM	1	0	22.55	22.64	22.61
10	16QAM	1	25	22.47	22.44	22.54
10	16QAM	1	49	22.39	22.36	22.46
10	16QAM	25	0	21.46	21.41	21.62
10	16QAM	25	12	21.38	21.29	21.57
10	16QAM	25	25	21.35	21.26	21.39
10	16QAM	50	0	21.32	21.14	21.27
10	64QAM	1	0	21.45	21.50	21.47
10	64QAM	1	25	21.38	21.43	21.39
10	64QAM	1	49	21.33	21.41	21.40
10	64QAM	25	0	20.67	20.43	20.66
10	64QAM	25	12	20.52	20.41	20.56
10	64QAM	25	25	20.47	20.36	20.52
10	64QAM	50	0	20.34	20.30	20.47



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	22.95	23.02	22.99
5	QPSK	1	12	22.86	22.93	22.95
5	QPSK	1	24	22.76	22.91	22.79
5	QPSK	12	0	21.97	22.03	22.01
5	QPSK	12	7	21.91	21.86	21.81
5	QPSK	12	13	21.81	21.82	21.78
5	QPSK	25	0	21.74	21.77	21.76
5	16QAM	1	0	22.43	22.52	22.48
5	16QAM	1	12	22.44	22.41	22.48
5	16QAM	1	24	22.36	22.32	22.41
5	16QAM	12	0	21.43	21.36	21.58
5	16QAM	12	7	21.35	21.25	21.53
5	16QAM	12	13	21.30	21.23	21.36
5	16QAM	25	0	21.30	21.10	21.21
5	64QAM	1	0	21.42	21.45	21.44
5	64QAM	1	12	21.35	21.37	21.36
5	64QAM	1	24	21.29	21.39	21.35
5	64QAM	12	0	20.63	20.40	20.63
5	64QAM	12	7	20.47	20.35	20.51
5	64QAM	12	13	20.43	20.31	20.48
5	64QAM	25	0	20.32	20.27	20.44



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	22.92	22.96	22.96
3	QPSK	1	8	22.80	22.88	22.92
3	QPSK	1	14	22.74	22.87	22.74
3	QPSK	8	0	21.92	21.98	21.97
3	QPSK	8	4	21.86	21.82	21.77
3	QPSK	8	7	21.76	21.76	21.76
3	QPSK	15	0	21.71	21.71	21.73
3	16QAM	1	0	22.48	22.48	22.50
3	16QAM	1	8	22.39	22.36	22.43
3	16QAM	1	14	22.33	22.29	22.35
3	16QAM	8	0	21.40	21.32	21.53
3	16QAM	8	4	21.33	21.22	21.50
3	16QAM	8	7	21.25	21.20	21.32
3	16QAM	15	0	21.25	21.07	21.17
3	64QAM	1	0	21.36	21.40	21.40
3	64QAM	1	8	21.31	21.33	21.33
3	64QAM	1	14	21.26	21.34	21.32
3	64QAM	8	0	20.60	20.35	20.59
3	64QAM	8	4	20.44	20.33	20.49
3	64QAM	8	7	20.38	20.27	20.43
3	64QAM	15	0	20.26	20.22	20.38



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	22.89	22.93	22.92
1.4	QPSK	1	3	22.77	22.86	22.89
1.4	QPSK	1	5	22.71	22.82	22.70
1.4	QPSK	3	0	21.90	21.96	21.94
1.4	QPSK	3	1	21.83	21.78	21.72
1.4	QPSK	3	3	21.73	21.71	21.74
1.4	QPSK	6	0	21.67	21.67	21.70
1.4	16QAM	1	0	22.34	22.44	22.39
1.4	16QAM	1	3	22.27	22.24	22.29
1.4	16QAM	1	5	22.20	22.19	22.21
1.4	16QAM	3	0	21.28	21.20	21.41
1.4	16QAM	3	1	21.23	21.09	21.40
1.4	16QAM	3	3	21.14	21.08	21.18
1.4	16QAM	6	0	21.19	21.04	21.13
1.4	64QAM	1	0	21.32	21.35	21.35
1.4	64QAM	1	3	21.29	21.28	21.30
1.4	64QAM	1	5	21.20	21.30	21.29
1.4	64QAM	3	0	20.55	20.32	20.57
1.4	64QAM	3	1	20.41	20.29	20.44
1.4	64QAM	3	3	20.35	20.24	20.39
1.4	64QAM	6	0	20.23	20.17	20.33



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20850	21100	21350
Frequency (MHz)				2510	2535	2560
20	QPSK	1	0	23.22	23.30	23.27
20	QPSK	1	49	23.05	23.17	23.14
20	QPSK	1	99	22.91	22.98	23.02
20	QPSK	50	0	22.57	22.65	22.62
20	QPSK	50	24	22.49	22.49	22.59
20	QPSK	50	50	22.36	22.40	22.47
20	QPSK	100	0	22.23	22.32	22.30
20	16QAM	1	0	22.73	22.82	22.80
20	16QAM	1	49	22.57	22.79	22.72
20	16QAM	1	99	22.42	22.67	22.60
20	16QAM	50	0	21.80	21.94	21.91
20	16QAM	50	24	21.72	21.82	21.84
20	16QAM	50	50	21.67	21.65	21.66
20	16QAM	100	0	21.48	21.46	21.49
20	64QAM	1	0	21.62	21.64	21.59
20	64QAM	1	49	21.61	21.57	21.54
20	64QAM	1	99	21.48	21.40	21.43
20	64QAM	50	0	20.90	20.88	20.93
20	64QAM	50	24	20.80	20.82	20.88
20	64QAM	50	50	20.73	20.68	20.70
20	64QAM	100	0	20.61	20.49	20.53



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	23.19	23.27	23.13
15	QPSK	1	37	23.02	23.12	23.09
15	QPSK	1	74	22.87	22.94	23.00
15	QPSK	36	0	22.52	22.62	22.59
15	QPSK	36	20	22.45	22.44	22.57
15	QPSK	36	39	22.30	22.37	22.43
15	QPSK	75	0	22.17	22.29	22.26
15	16QAM	1	0	22.68	22.77	22.76
15	16QAM	1	37	22.54	22.73	22.69
15	16QAM	1	74	22.36	22.62	22.54
15	16QAM	36	0	21.76	21.90	21.85
15	16QAM	36	20	21.70	21.79	21.81
15	16QAM	36	39	21.64	21.62	21.62
15	16QAM	75	0	21.44	21.41	21.44
15	64QAM	1	0	21.57	21.62	21.54
15	64QAM	1	37	21.57	21.52	21.50
15	64QAM	1	74	21.42	21.37	21.38
15	64QAM	36	0	20.88	20.83	20.90
15	64QAM	36	20	20.76	20.77	20.84
15	64QAM	36	39	20.68	20.64	20.66
15	64QAM	75	0	20.58	20.47	20.49



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	23.14	23.22	23.10
10	QPSK	1	25	23.00	23.07	23.06
10	QPSK	1	49	22.85	22.90	22.95
10	QPSK	25	0	22.50	22.58	22.55
10	QPSK	25	12	22.39	22.39	22.53
10	QPSK	25	25	22.24	22.33	22.38
10	QPSK	50	0	22.14	22.24	22.23
10	16QAM	1	0	22.63	22.74	22.73
10	16QAM	1	25	22.52	22.67	22.64
10	16QAM	1	49	22.33	22.56	22.52
10	16QAM	25	0	21.70	21.84	21.83
10	16QAM	25	12	21.65	21.75	21.76
10	16QAM	25	25	21.60	21.57	21.58
10	16QAM	50	0	21.39	21.35	21.39
10	64QAM	1	0	21.52	21.57	21.50
10	64QAM	1	25	21.54	21.48	21.46
10	64QAM	1	49	21.38	21.33	21.35
10	64QAM	25	0	20.85	20.81	20.86
10	64QAM	25	12	20.72	20.72	20.78
10	64QAM	25	25	20.66	20.60	20.60
10	64QAM	50	0	20.54	20.44	20.44



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	23.11	23.17	23.04
5	QPSK	1	12	22.94	23.05	23.02
5	QPSK	1	24	22.82	22.87	22.92
5	QPSK	12	0	22.44	22.54	22.49
5	QPSK	12	7	22.36	22.34	22.47
5	QPSK	12	13	22.21	22.30	22.34
5	QPSK	25	0	22.11	22.21	22.20
5	16QAM	1	0	22.60	22.70	22.70
5	16QAM	1	12	22.47	22.65	22.59
5	16QAM	1	24	22.29	22.54	22.49
5	16QAM	12	0	21.65	21.79	21.79
5	16QAM	12	7	21.61	21.73	21.74
5	16QAM	12	13	21.58	21.53	21.54
5	16QAM	25	0	21.34	21.30	21.36
5	64QAM	1	0	21.50	21.55	21.46
5	64QAM	1	12	21.50	21.43	21.41
5	64QAM	1	24	21.33	21.28	21.30
5	64QAM	12	0	20.83	20.77	20.81
5	64QAM	12	7	20.69	20.68	20.76
5	64QAM	12	13	20.63	20.56	20.58
5	64QAM	25	0	20.48	20.39	20.41



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	22.97	23.02	22.91
10	QPSK	1	25	22.83	22.84	22.78
10	QPSK	1	49	22.81	22.73	22.64
10	QPSK	25	0	22.41	22.43	22.38
10	QPSK	25	12	22.30	22.27	22.29
10	QPSK	25	25	22.15	22.18	22.18
10	QPSK	50	0	21.97	22.12	22.04
10	16QAM	1	0	22.70	22.79	22.63
10	16QAM	1	25	22.74	22.75	22.59
10	16QAM	1	49	22.59	22.57	22.55
10	16QAM	25	0	21.75	21.73	21.69
10	16QAM	25	12	21.66	21.60	21.50
10	16QAM	25	25	21.54	21.46	21.44
10	16QAM	50	0	21.39	21.37	21.31
10	64QAM	1	0	21.61	21.42	21.38
10	64QAM	1	25	21.46	21.30	21.27
10	64QAM	1	49	21.32	21.22	21.24
10	64QAM	25	0	20.85	20.78	20.66
10	64QAM	25	12	20.75	20.74	20.54
10	64QAM	25	25	20.59	20.56	20.38
10	64QAM	50	0	20.55	20.47	20.28



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				23035	23095	23155
Frequency (MHz)				701.5	707.5	713.5
5	QPSK	1	0	22.93	22.97	22.85
5	QPSK	1	12	22.79	22.80	22.76
5	QPSK	1	24	22.77	22.70	22.62
5	QPSK	12	0	22.38	22.38	22.34
5	QPSK	12	7	22.25	22.23	22.26
5	QPSK	12	13	22.11	22.13	22.14
5	QPSK	25	0	21.92	22.10	22.02
5	16QAM	1	0	22.67	22.77	22.59
5	16QAM	1	12	22.69	22.71	22.55
5	16QAM	1	24	22.54	22.51	22.51
5	16QAM	12	0	21.71	21.69	21.67
5	16QAM	12	7	21.62	21.58	21.45
5	16QAM	12	13	21.51	21.40	21.41
5	16QAM	25	0	21.36	21.33	21.28
5	64QAM	1	0	21.55	21.36	21.34
5	64QAM	1	12	21.41	21.26	21.23
5	64QAM	1	24	21.30	21.17	21.18
5	64QAM	12	0	20.82	20.74	20.60
5	64QAM	12	7	20.72	20.70	20.50
5	64QAM	12	13	20.56	20.51	20.33
5	64QAM	25	0	20.52	20.41	20.23



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	22.90	22.92	22.82
3	QPSK	1	8	22.75	22.77	22.71
3	QPSK	1	14	22.72	22.68	22.56
3	QPSK	8	0	22.36	22.33	22.31
3	QPSK	8	4	22.23	22.17	22.22
3	QPSK	8	7	22.08	22.10	22.11
3	QPSK	15	0	21.90	22.06	21.97
3	16QAM	1	0	22.61	22.74	22.56
3	16QAM	1	8	22.65	22.69	22.52
3	16QAM	1	14	22.48	22.49	22.47
3	16QAM	8	0	21.65	21.67	21.64
3	16QAM	8	4	21.56	21.56	21.43
3	16QAM	8	7	21.49	21.35	21.38
3	16QAM	15	0	21.33	21.28	21.26
3	64QAM	1	0	21.50	21.30	21.31
3	64QAM	1	8	21.36	21.21	21.20
3	64QAM	1	14	21.27	21.13	21.15
3	64QAM	8	0	20.79	20.71	20.57
3	64QAM	8	4	20.66	20.67	20.44
3	64QAM	8	7	20.51	20.45	20.30
3	64QAM	15	0	20.47	20.39	20.19



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	22.85	22.87	22.80
1.4	QPSK	1	3	22.70	22.73	22.67
1.4	QPSK	1	5	22.68	22.62	22.53
1.4	QPSK	3	0	22.32	22.29	22.28
1.4	QPSK	3	1	22.21	22.15	22.17
1.4	QPSK	3	3	22.06	22.06	22.07
1.4	QPSK	6	0	21.85	22.02	21.92
1.4	16QAM	1	0	22.58	22.70	22.52
1.4	16QAM	1	3	22.61	22.64	22.49
1.4	16QAM	1	5	22.46	22.46	22.43
1.4	16QAM	3	0	21.60	21.63	21.59
1.4	16QAM	3	1	21.51	21.53	21.40
1.4	16QAM	3	3	21.44	21.32	21.35
1.4	16QAM	6	0	21.30	21.22	21.23
1.4	64QAM	1	0	21.48	21.28	21.28
1.4	64QAM	1	3	21.33	21.16	21.17
1.4	64QAM	1	5	21.24	21.11	21.13
1.4	64QAM	3	0	20.74	20.67	20.53
1.4	64QAM	3	1	20.62	20.64	20.39
1.4	64QAM	3	3	20.45	20.43	20.25
1.4	64QAM	6	0	20.44	20.36	20.16



LTE Band 17						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23780	23790	23800
Frequency (MHz)				709	710	711
10	QPSK	1	0	23.27	23.33	23.30
10	QPSK	1	25	23.21	23.16	23.24
10	QPSK	1	49	23.09	22.97	23.19
10	QPSK	25	0	22.34	22.36	22.32
10	QPSK	25	12	22.29	22.26	22.17
10	QPSK	25	25	22.16	22.20	22.07
10	QPSK	50	0	22.11	22.15	22.02
10	16QAM	1	0	22.79	22.81	22.79
10	16QAM	1	25	22.77	22.57	22.74
10	16QAM	1	49	22.62	22.52	22.65
10	16QAM	25	0	21.83	21.78	21.82
10	16QAM	25	12	21.79	21.67	21.78
10	16QAM	25	25	21.77	21.53	21.71
10	16QAM	50	0	21.59	21.43	21.62
10	64QAM	1	0	21.67	21.69	21.66
10	64QAM	1	25	21.59	21.51	21.55
10	64QAM	1	49	21.50	21.47	21.47
10	64QAM	25	0	20.65	20.75	20.70
10	64QAM	25	12	20.59	20.49	20.55
10	64QAM	25	25	20.50	20.43	20.47
10	64QAM	50	0	20.42	20.40	20.39



LTE Band 17						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23755	23790	23825
Frequency (MHz)				706.5	710	713.5
5	QPSK	1	0	23.24	23.29	23.26
5	QPSK	1	12	23.18	23.13	23.22
5	QPSK	1	24	23.05	22.92	23.17
5	QPSK	12	0	22.31	22.32	22.29
5	QPSK	12	7	22.23	22.21	22.13
5	QPSK	12	13	22.11	22.14	22.04
5	QPSK	25	0	22.06	22.12	21.96
5	16QAM	1	0	22.73	22.78	22.77
5	16QAM	1	12	22.75	22.51	22.71
5	16QAM	1	24	22.57	22.46	22.61
5	16QAM	12	0	21.80	21.76	21.80
5	16QAM	12	7	21.74	21.63	21.75
5	16QAM	12	13	21.73	21.49	21.68
5	16QAM	25	0	21.54	21.41	21.57
5	64QAM	1	0	21.64	21.65	21.61
5	64QAM	1	12	21.56	21.48	21.50
5	64QAM	1	24	21.45	21.43	21.44
5	64QAM	12	0	20.59	20.70	20.66
5	64QAM	12	7	20.57	20.46	20.50
5	64QAM	12	13	20.48	20.39	20.43
5	64QAM	25	0	20.40	20.38	20.36



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	22.91	22.96	22.87
20	QPSK	1	49	22.79	22.86	22.71
20	QPSK	1	99	22.73	22.80	22.67
20	QPSK	50	0	22.11	22.22	22.20
20	QPSK	50	24	22.05	22.18	22.06
20	QPSK	50	50	21.98	22.11	21.95
20	QPSK	100	0	21.96	21.99	21.91
20	16QAM	1	0	22.66	22.69	22.58
20	16QAM	1	49	22.51	22.53	22.52
20	16QAM	1	99	22.40	22.41	22.49
20	16QAM	50	0	21.62	21.67	21.61
20	16QAM	50	24	21.45	21.48	21.56
20	16QAM	50	50	21.38	21.34	21.48
20	16QAM	100	0	21.28	21.26	21.32
20	64QAM	1	0	21.46	21.49	21.46
20	64QAM	1	49	21.43	21.37	21.40
20	64QAM	1	99	21.33	21.26	21.27
20	64QAM	50	0	20.74	20.68	20.67
20	64QAM	50	24	20.63	20.52	20.58
20	64QAM	50	50	20.59	20.38	20.46
20	64QAM	100	0	20.49	20.36	20.39



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				132047	132322	132597
Frequency (MHz)				1717.5	1745	1772.5
15	QPSK	1	0	22.86	22.91	22.84
15	QPSK	1	37	22.76	22.81	22.66
15	QPSK	1	74	22.70	22.75	22.62
15	QPSK	36	0	22.07	22.19	22.17
15	QPSK	36	20	21.99	22.13	22.03
15	QPSK	36	39	21.93	22.05	21.90
15	QPSK	75	0	21.91	21.96	21.87
15	16QAM	1	0	22.63	22.63	22.54
15	16QAM	1	37	22.49	22.50	22.48
15	16QAM	1	74	22.36	22.38	22.47
15	16QAM	36	0	21.58	21.62	21.58
15	16QAM	36	20	21.43	21.43	21.51
15	16QAM	36	39	21.33	21.30	21.43
15	16QAM	75	0	21.25	21.21	21.28
15	64QAM	1	0	21.40	21.46	21.41
15	64QAM	1	37	21.39	21.31	21.38
15	64QAM	1	74	21.28	21.23	21.23
15	64QAM	36	0	20.71	20.62	20.63
15	64QAM	36	20	20.58	20.46	20.55
15	64QAM	36	39	20.56	20.36	20.41
15	64QAM	75	0	20.44	20.32	20.35



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132022	132322	132622
Frequency (MHz)				1715	1745	1775
10	QPSK	1	0	22.83	22.86	22.79
10	QPSK	1	25	22.73	22.77	22.61
10	QPSK	1	49	22.67	22.70	22.57
10	QPSK	25	0	22.05	22.15	22.13
10	QPSK	25	12	21.97	22.08	22.01
10	QPSK	25	25	21.87	22.03	21.87
10	QPSK	50	0	21.89	21.90	21.85
10	16QAM	1	0	22.60	22.59	22.51
10	16QAM	1	25	22.44	22.45	22.43
10	16QAM	1	49	22.32	22.33	22.43
10	16QAM	25	0	21.54	21.58	21.52
10	16QAM	25	12	21.41	21.39	21.47
10	16QAM	25	25	21.30	21.24	21.37
10	16QAM	50	0	21.22	21.19	21.24
10	64QAM	1	0	21.34	21.42	21.38
10	64QAM	1	25	21.34	21.26	21.32
10	64QAM	1	49	21.24	21.18	21.20
10	64QAM	25	0	20.68	20.59	20.60
10	64QAM	25	12	20.55	20.42	20.51
10	64QAM	25	25	20.54	20.32	20.39
10	64QAM	50	0	20.41	20.27	20.30



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	22.80	22.84	22.74
5	QPSK	1	12	22.67	22.74	22.57
5	QPSK	1	24	22.65	22.66	22.54
5	QPSK	12	0	22.00	22.13	22.09
5	QPSK	12	7	21.94	22.06	21.97
5	QPSK	12	13	21.82	21.98	21.81
5	QPSK	25	0	21.84	21.84	21.80
5	16QAM	1	0	22.54	22.54	22.46
5	16QAM	1	12	22.38	22.40	22.41
5	16QAM	1	24	22.29	22.30	22.37
5	16QAM	12	0	21.51	21.56	21.49
5	16QAM	12	7	21.38	21.33	21.44
5	16QAM	12	13	21.28	21.20	21.33
5	16QAM	25	0	21.19	21.15	21.20
5	64QAM	1	0	21.29	21.40	21.33
5	64QAM	1	12	21.29	21.22	21.29
5	64QAM	1	24	21.18	21.14	21.16
5	64QAM	12	0	20.63	20.57	20.57
5	64QAM	12	7	20.51	20.37	20.48
5	64QAM	12	13	20.49	20.29	20.36
5	64QAM	25	0	20.36	20.23	20.26



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	22.76	22.80	22.70
3	QPSK	1	8	22.63	22.70	22.54
3	QPSK	1	14	22.61	22.61	22.50
3	QPSK	8	0	21.98	22.09	22.04
3	QPSK	8	4	21.89	22.02	21.94
3	QPSK	8	7	21.78	21.94	21.78
3	QPSK	15	0	21.80	21.80	21.76
3	16QAM	1	0	22.50	22.52	22.44
3	16QAM	1	8	22.33	22.38	22.36
3	16QAM	1	14	22.27	22.27	22.34
3	16QAM	8	0	21.49	21.51	21.45
3	16QAM	8	4	21.35	21.31	21.38
3	16QAM	8	7	21.23	21.17	21.27
3	16QAM	15	0	21.15	21.10	21.18
3	64QAM	1	0	21.24	21.34	21.28
3	64QAM	1	8	21.26	21.17	21.23
3	64QAM	1	14	21.13	21.09	21.11
3	64QAM	8	0	20.60	20.54	20.54
3	64QAM	8	4	20.47	20.32	20.43
3	64QAM	8	7	20.44	20.24	20.32
3	64QAM	15	0	20.33	20.20	20.23



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	22.69	22.75	22.66
1.4	QPSK	1	3	22.59	22.67	22.47
1.4	QPSK	1	5	22.56	22.58	22.47
1.4	QPSK	3	0	21.90	22.06	21.99
1.4	QPSK	3	1	21.86	21.96	21.88
1.4	QPSK	3	3	21.75	21.86	21.70
1.4	QPSK	6	0	21.78	21.79	21.69
1.4	16QAM	1	0	22.45	22.47	22.35
1.4	16QAM	1	3	22.30	22.32	22.36
1.4	16QAM	1	5	22.21	22.20	22.29
1.4	16QAM	3	0	21.45	21.48	21.38
1.4	16QAM	3	1	21.30	21.26	21.33
1.4	16QAM	3	3	21.18	21.09	21.23
1.4	16QAM	6	0	21.11	21.07	21.12
1.4	64QAM	1	0	21.21	21.35	21.25
1.4	64QAM	1	3	21.22	21.16	21.23
1.4	64QAM	1	5	21.10	21.05	21.10
1.4	64QAM	3	0	20.57	20.51	20.47
1.4	64QAM	3	1	20.45	20.30	20.38
1.4	64QAM	3	3	20.42	20.21	20.27
1.4	64QAM	6	0	20.28	20.15	20.15



Effective Radiated Power and Effective Isotropic Radiated Power

LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18700		18900		19100	
Frequency (MHz)				1860		1880		1900	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	22.16	0.164	22.21	0.166	22.19	0.166
20	QPSK	1	49	21.97	0.157	22.10	0.162	22.01	0.159
20	QPSK	1	99	21.81	0.152	21.93	0.156	21.95	0.157
20	QPSK	50	0	21.08	0.128	21.27	0.134	21.16	0.131
20	QPSK	50	24	20.95	0.124	21.09	0.129	21.01	0.126
20	QPSK	50	50	20.92	0.124	21.05	0.127	21.06	0.128
20	QPSK	100	0	20.89	0.123	20.99	0.126	20.93	0.124
20	16QAM	1	0	21.28	0.134	21.46	0.140	21.23	0.133
20	16QAM	1	49	21.20	0.132	21.43	0.139	21.06	0.128
20	16QAM	1	99	21.10	0.129	21.33	0.136	21.01	0.126
20	16QAM	50	0	20.24	0.106	20.52	0.113	20.29	0.107
20	16QAM	50	24	20.18	0.104	20.37	0.109	20.16	0.104
20	16QAM	50	50	20.14	0.103	20.21	0.105	20.07	0.102
20	16QAM	100	0	20.09	0.102	20.07	0.102	19.90	0.098
20	64QAM	1	0	20.27	0.106	20.41	0.110	20.25	0.106
20	64QAM	1	49	20.18	0.104	20.27	0.106	20.10	0.102
20	64QAM	1	99	20.14	0.103	20.23	0.105	20.07	0.102
20	64QAM	50	0	19.33	0.086	19.53	0.090	19.24	0.084
20	64QAM	50	24	19.29	0.085	19.38	0.087	19.32	0.086
20	64QAM	50	50	19.17	0.083	19.27	0.085	19.22	0.084
20	64QAM	100	0	19.14	0.082	19.38	0.087	19.18	0.083



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18675		18900		19125	
Frequency (MHz)				1857.5		1880		1902.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	22.14	0.164	22.17	0.165	22.10	0.162
15	QPSK	1	37	21.99	0.158	22.05	0.160	21.97	0.157
15	QPSK	1	74	21.77	0.150	21.89	0.155	21.91	0.155
15	QPSK	36	0	21.03	0.127	21.21	0.132	21.12	0.129
15	QPSK	36	20	20.90	0.123	21.03	0.127	20.98	0.125
15	QPSK	36	39	20.88	0.122	21.01	0.126	21.02	0.126
15	QPSK	75	0	20.86	0.122	20.96	0.125	20.89	0.123
15	16QAM	1	0	21.25	0.133	21.41	0.138	21.17	0.131
15	16QAM	1	37	21.18	0.131	21.41	0.138	21.02	0.126
15	16QAM	1	74	21.06	0.128	21.29	0.135	20.96	0.125
15	16QAM	36	0	20.18	0.104	20.46	0.111	20.25	0.106
15	16QAM	36	20	20.16	0.104	20.31	0.107	20.13	0.103
15	16QAM	36	39	20.10	0.102	20.18	0.104	20.02	0.100
15	16QAM	75	0	20.06	0.101	20.02	0.100	19.84	0.096
15	64QAM	1	0	20.23	0.105	20.38	0.109	20.21	0.105
15	64QAM	1	37	20.14	0.103	20.22	0.105	20.06	0.101
15	64QAM	1	74	20.11	0.103	20.20	0.105	20.05	0.101
15	64QAM	36	0	19.30	0.085	19.51	0.089	19.20	0.083
15	64QAM	36	20	19.24	0.084	19.34	0.086	19.27	0.085
15	64QAM	36	39	19.12	0.082	19.24	0.084	19.18	0.083
15	64QAM	75	0	19.08	0.081	19.32	0.086	19.15	0.082



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18650		18900		19150	
Frequency (MHz)				1855		1880		1905	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	22.07	0.161	22.11	0.163	22.05	0.160
10	QPSK	1	25	21.97	0.157	22.01	0.159	21.94	0.156
10	QPSK	1	49	21.73	0.149	21.85	0.153	21.89	0.155
10	QPSK	25	0	20.99	0.126	21.18	0.131	21.06	0.128
10	QPSK	25	12	20.84	0.121	21.01	0.126	20.95	0.124
10	QPSK	25	25	20.84	0.121	20.98	0.125	20.99	0.126
10	QPSK	50	0	20.81	0.121	20.94	0.124	20.86	0.122
10	16QAM	1	0	21.22	0.132	21.37	0.137	21.11	0.129
10	16QAM	1	25	21.15	0.130	21.37	0.137	21.00	0.126
10	16QAM	1	49	21.02	0.126	21.26	0.134	20.91	0.123
10	16QAM	25	0	20.16	0.104	20.43	0.110	20.22	0.105
10	16QAM	25	12	20.13	0.103	20.25	0.106	20.08	0.102
10	16QAM	25	25	20.06	0.101	20.15	0.104	19.99	0.100
10	16QAM	50	0	20.02	0.100	19.98	0.100	19.79	0.095
10	64QAM	1	0	20.20	0.105	20.35	0.108	20.18	0.104
10	64QAM	1	25	20.11	0.103	20.18	0.104	20.02	0.100
10	64QAM	1	49	20.08	0.102	20.17	0.104	20.02	0.100
10	64QAM	25	0	19.25	0.084	19.47	0.089	19.17	0.083
10	64QAM	25	12	19.20	0.083	19.30	0.085	19.21	0.083
10	64QAM	25	25	19.08	0.081	19.21	0.083	19.15	0.082
10	64QAM	50	0	19.04	0.080	19.30	0.085	19.12	0.082



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18625		18900		19175	
Frequency (MHz)				1852.5		1880		1907.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	22.02	0.159	22.06	0.161	21.99	0.158
5	QPSK	1	12	21.94	0.156	21.99	0.158	21.92	0.156
5	QPSK	1	24	21.68	0.147	21.80	0.151	21.84	0.153
5	QPSK	12	0	20.95	0.124	21.16	0.131	21.02	0.126
5	QPSK	12	7	20.82	0.121	20.96	0.125	20.92	0.124
5	QPSK	12	13	20.79	0.120	20.95	0.124	20.94	0.124
5	QPSK	25	0	20.75	0.119	20.89	0.123	20.83	0.121
5	16QAM	1	0	21.17	0.131	21.34	0.136	21.08	0.128
5	16QAM	1	12	21.11	0.129	21.33	0.136	20.96	0.125
5	16QAM	1	24	20.97	0.125	21.24	0.133	20.85	0.122
5	16QAM	12	0	20.12	0.103	20.40	0.110	20.16	0.104
5	16QAM	12	7	20.09	0.102	20.21	0.105	20.06	0.101
5	16QAM	12	13	20.02	0.100	20.13	0.103	19.97	0.099
5	16QAM	25	0	19.98	0.100	19.95	0.099	19.76	0.095
5	64QAM	1	0	20.16	0.104	20.31	0.107	20.13	0.103
5	64QAM	1	12	20.05	0.101	20.12	0.103	19.96	0.099
5	64QAM	1	24	20.02	0.100	20.13	0.103	19.96	0.099
5	64QAM	12	0	19.22	0.084	19.44	0.088	19.14	0.082
5	64QAM	12	7	19.16	0.082	19.25	0.084	19.18	0.083
5	64QAM	12	13	19.04	0.080	19.19	0.083	19.12	0.082
5	64QAM	25	0	19.00	0.079	19.26	0.084	19.10	0.081



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18615		18900		19185	
Frequency (MHz)				1851.5		1880		1908.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	22.00	0.158	22.03	0.160	21.93	0.156
3	QPSK	1	8	21.92	0.156	21.95	0.157	21.87	0.154
3	QPSK	1	14	21.66	0.147	21.78	0.151	21.82	0.152
3	QPSK	8	0	20.92	0.124	21.10	0.129	21.00	0.126
3	QPSK	8	4	20.79	0.120	20.92	0.124	20.89	0.123
3	QPSK	8	7	20.74	0.119	20.89	0.123	20.88	0.122
3	QPSK	15	0	20.70	0.117	20.86	0.122	20.81	0.121
3	16QAM	1	0	21.11	0.129	21.31	0.135	21.03	0.127
3	16QAM	1	8	21.09	0.129	21.31	0.135	20.93	0.124
3	16QAM	1	14	20.93	0.124	21.20	0.132	20.81	0.121
3	16QAM	8	0	20.07	0.102	20.38	0.109	20.13	0.103
3	16QAM	8	4	20.05	0.101	20.17	0.104	20.01	0.100
3	16QAM	8	7	20.00	0.100	20.11	0.103	19.91	0.098
3	16QAM	15	0	19.92	0.098	19.90	0.098	19.71	0.094
3	64QAM	1	0	20.12	0.103	20.25	0.106	20.08	0.102
3	64QAM	1	8	19.99	0.100	20.09	0.102	19.92	0.098
3	64QAM	1	14	19.98	0.100	20.11	0.103	19.92	0.098
3	64QAM	8	0	19.19	0.083	19.41	0.087	19.10	0.081
3	64QAM	8	4	19.12	0.082	19.22	0.084	19.13	0.082
3	64QAM	8	7	18.99	0.079	19.13	0.082	19.08	0.081
3	64QAM	15	0	18.95	0.079	19.23	0.084	19.04	0.080



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18607		18900		19193	
Frequency (MHz)				1850.7		1880		1909.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	21.96	0.157	22.00	0.158	21.95	0.157
1.4	QPSK	1	3	21.89	0.155	21.97	0.157	21.88	0.154
1.4	QPSK	1	5	21.63	0.146	21.77	0.150	21.79	0.151
1.4	QPSK	3	0	20.91	0.123	21.14	0.130	20.98	0.125
1.4	QPSK	3	1	20.80	0.120	20.94	0.124	20.90	0.123
1.4	QPSK	3	3	20.75	0.119	20.91	0.123	20.92	0.124
1.4	QPSK	6	0	20.70	0.117	20.86	0.122	20.78	0.120
1.4	16QAM	1	0	21.15	0.130	21.30	0.135	21.03	0.127
1.4	16QAM	1	3	21.09	0.129	21.31	0.135	20.93	0.124
1.4	16QAM	1	5	20.93	0.124	21.20	0.132	20.83	0.121
1.4	16QAM	3	0	20.08	0.102	20.37	0.109	20.12	0.103
1.4	16QAM	3	1	20.07	0.102	20.18	0.104	20.01	0.100
1.4	16QAM	3	3	19.97	0.099	20.07	0.102	19.95	0.099
1.4	16QAM	6	0	19.93	0.098	19.92	0.098	19.73	0.094
1.4	64QAM	1	0	20.11	0.103	20.20	0.105	20.11	0.103
1.4	64QAM	1	3	20.01	0.100	20.08	0.102	19.91	0.098
1.4	64QAM	1	5	19.98	0.100	20.08	0.102	19.92	0.098
1.4	64QAM	3	0	19.20	0.083	19.39	0.087	19.09	0.081
1.4	64QAM	3	1	19.12	0.082	19.21	0.083	19.15	0.082
1.4	64QAM	3	3	19.01	0.080	19.14	0.082	19.10	0.081
1.4	64QAM	6	0	18.96	0.079	19.23	0.084	19.05	0.080



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20050		20175		20300	
Frequency (MHz)				1720		1732.5		1745	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	21.47	0.140	21.61	0.145	21.54	0.143
20	QPSK	1	49	21.32	0.136	21.51	0.142	21.44	0.139
20	QPSK	1	99	21.26	0.134	21.44	0.139	21.36	0.137
20	QPSK	50	0	20.45	0.111	20.73	0.118	20.56	0.114
20	QPSK	50	24	20.42	0.110	20.60	0.115	20.53	0.113
20	QPSK	50	50	20.38	0.109	20.50	0.112	20.43	0.110
20	QPSK	100	0	20.33	0.108	20.42	0.110	20.36	0.109
20	16QAM	1	0	21.13	0.130	21.29	0.135	21.15	0.130
20	16QAM	1	49	20.98	0.125	21.23	0.133	21.01	0.126
20	16QAM	1	99	20.80	0.120	21.04	0.127	20.97	0.125
20	16QAM	50	0	20.34	0.108	20.26	0.106	20.28	0.107
20	16QAM	50	24	20.26	0.106	20.24	0.106	20.16	0.104
20	16QAM	50	50	20.24	0.106	20.06	0.101	20.10	0.102
20	16QAM	100	0	20.07	0.102	20.00	0.100	20.05	0.101
20	64QAM	1	0	20.21	0.105	20.24	0.106	20.12	0.103
20	64QAM	1	49	20.04	0.101	20.10	0.102	20.03	0.101
20	64QAM	1	99	19.93	0.098	19.95	0.099	20.00	0.100
20	64QAM	50	0	19.04	0.080	19.06	0.081	19.26	0.084
20	64QAM	50	24	18.98	0.079	19.00	0.079	19.23	0.084
20	64QAM	50	50	18.94	0.078	18.93	0.078	19.05	0.080
20	64QAM	100	0	18.87	0.077	18.82	0.076	18.95	0.079



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20025		20175		20325	
Frequency (MHz)				1717.5		1732.5		1747.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	21.43	0.139	21.57	0.144	21.48	0.141
15	QPSK	1	37	21.27	0.134	21.45	0.140	21.39	0.138
15	QPSK	1	74	21.21	0.132	21.39	0.138	21.31	0.135
15	QPSK	36	0	20.43	0.110	20.70	0.117	20.51	0.112
15	QPSK	36	20	20.40	0.110	20.55	0.114	20.50	0.112
15	QPSK	36	39	20.33	0.108	20.44	0.111	20.40	0.110
15	QPSK	75	0	20.30	0.107	20.40	0.110	20.34	0.108
15	16QAM	1	0	21.09	0.129	21.24	0.133	21.13	0.130
15	16QAM	1	37	20.94	0.124	21.18	0.131	20.97	0.125
15	16QAM	1	74	20.75	0.119	21.02	0.126	20.92	0.124
15	16QAM	36	0	20.31	0.107	20.21	0.105	20.25	0.106
15	16QAM	36	20	20.21	0.105	20.21	0.105	20.13	0.103
15	16QAM	36	39	20.19	0.104	20.00	0.100	20.05	0.101
15	16QAM	75	0	20.02	0.100	19.95	0.099	20.00	0.100
15	64QAM	1	0	20.16	0.104	20.22	0.105	20.07	0.102
15	64QAM	1	37	20.01	0.100	20.05	0.101	20.00	0.100
15	64QAM	1	74	19.89	0.097	19.91	0.098	19.94	0.099
15	64QAM	36	0	19.00	0.079	19.02	0.080	19.21	0.083
15	64QAM	36	20	18.93	0.078	18.98	0.079	19.18	0.083
15	64QAM	36	39	18.89	0.077	18.89	0.077	19.01	0.080
15	64QAM	75	0	18.82	0.076	18.76	0.075	18.91	0.078



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20000		20175		20350	
Frequency (MHz)				1715		1732.5		1750	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	21.41	0.138	21.51	0.142	21.43	0.139
10	QPSK	1	25	21.21	0.132	21.41	0.138	21.33	0.136
10	QPSK	1	49	21.17	0.131	21.37	0.137	21.29	0.135
10	QPSK	25	0	20.41	0.110	20.65	0.116	20.47	0.111
10	QPSK	25	12	20.34	0.108	20.53	0.113	20.47	0.111
10	QPSK	25	25	20.29	0.107	20.38	0.109	20.35	0.108
10	QPSK	50	0	20.25	0.106	20.38	0.109	20.29	0.107
10	16QAM	1	0	21.03	0.127	21.19	0.132	21.07	0.128
10	16QAM	1	25	20.92	0.124	21.14	0.130	20.95	0.124
10	16QAM	1	49	20.72	0.118	20.99	0.126	20.87	0.122
10	16QAM	25	0	20.26	0.106	20.16	0.104	20.23	0.105
10	16QAM	25	12	20.16	0.104	20.19	0.104	20.07	0.102
10	16QAM	25	25	20.17	0.104	19.98	0.100	19.99	0.100
10	16QAM	50	0	20.00	0.100	19.91	0.098	19.95	0.099
10	64QAM	1	0	20.10	0.102	20.19	0.104	20.04	0.101
10	64QAM	1	25	19.96	0.099	20.01	0.100	19.96	0.099
10	64QAM	1	49	19.86	0.097	19.85	0.097	19.88	0.097
10	64QAM	25	0	18.94	0.078	18.96	0.079	19.17	0.083
10	64QAM	25	12	18.89	0.077	18.93	0.078	19.15	0.082
10	64QAM	25	25	18.84	0.077	18.83	0.076	18.96	0.079
10	64QAM	50	0	18.79	0.076	18.73	0.075	18.88	0.077



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19975		20175		20375	
Frequency (MHz)				1712.5		1732.5		1752.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	21.37	0.137	21.46	0.140	21.39	0.138
5	QPSK	1	12	21.18	0.131	21.36	0.137	21.31	0.135
5	QPSK	1	24	21.15	0.130	21.34	0.136	21.24	0.133
5	QPSK	12	0	20.37	0.109	20.59	0.115	20.44	0.111
5	QPSK	12	7	20.30	0.107	20.49	0.112	20.42	0.110
5	QPSK	12	13	20.27	0.106	20.35	0.108	20.33	0.108
5	QPSK	25	0	20.19	0.104	20.34	0.108	20.23	0.105
5	16QAM	1	0	20.98	0.125	21.15	0.130	21.04	0.127
5	16QAM	1	12	20.87	0.122	21.11	0.129	20.91	0.123
5	16QAM	1	24	20.70	0.117	20.95	0.124	20.82	0.121
5	16QAM	12	0	20.23	0.105	20.12	0.103	20.18	0.104
5	16QAM	12	7	20.13	0.103	20.17	0.104	20.03	0.101
5	16QAM	12	13	20.11	0.103	19.96	0.099	19.96	0.099
5	16QAM	25	0	19.97	0.099	19.87	0.097	19.90	0.098
5	64QAM	1	0	20.07	0.102	20.17	0.104	20.02	0.100
5	64QAM	1	12	19.91	0.098	19.95	0.099	19.94	0.099
5	64QAM	1	24	19.82	0.096	19.81	0.096	19.82	0.096
5	64QAM	12	0	18.92	0.078	18.93	0.078	19.12	0.082
5	64QAM	12	7	18.84	0.077	18.90	0.078	19.10	0.081
5	64QAM	12	13	18.79	0.076	18.79	0.076	18.92	0.078
5	64QAM	25	0	18.73	0.075	18.69	0.074	18.85	0.077



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19965		20175		20385	
Frequency (MHz)				1711.5		1732.5		1753.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	21.35	0.136	21.41	0.138	21.36	0.137
3	QPSK	1	8	21.14	0.130	21.34	0.136	21.28	0.134
3	QPSK	1	14	21.13	0.130	21.30	0.135	21.21	0.132
3	QPSK	8	0	20.32	0.108	20.55	0.114	20.40	0.110
3	QPSK	8	4	20.24	0.106	20.44	0.111	20.40	0.110
3	QPSK	8	7	20.23	0.105	20.32	0.108	20.29	0.107
3	QPSK	15	0	20.14	0.103	20.29	0.107	20.17	0.104
3	16QAM	1	0	20.95	0.124	21.09	0.129	20.99	0.126
3	16QAM	1	8	20.85	0.122	21.08	0.128	20.87	0.122
3	16QAM	1	14	20.66	0.116	20.92	0.124	20.78	0.120
3	16QAM	8	0	20.19	0.104	20.09	0.102	20.15	0.104
3	16QAM	8	4	20.11	0.103	20.14	0.103	19.99	0.100
3	16QAM	8	7	20.08	0.102	19.93	0.098	19.91	0.098
3	16QAM	15	0	19.92	0.098	19.83	0.096	19.85	0.097
3	64QAM	1	0	20.02	0.100	20.12	0.103	20.00	0.100
3	64QAM	1	8	19.88	0.097	19.93	0.098	19.91	0.098
3	64QAM	1	14	19.78	0.095	19.78	0.095	19.77	0.095
3	64QAM	8	0	18.87	0.077	18.89	0.077	19.07	0.081
3	64QAM	8	4	18.79	0.076	18.87	0.077	19.08	0.081
3	64QAM	8	7	18.76	0.075	18.77	0.075	18.87	0.077
3	64QAM	15	0	18.70	0.074	18.63	0.073	18.82	0.076



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19957		20175		20393	
Frequency (MHz)				1710.7		1732.5		1754.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	21.29	0.135	21.35	0.136	21.29	0.135
1.4	QPSK	1	3	21.09	0.129	21.28	0.134	21.23	0.133
1.4	QPSK	1	5	21.08	0.128	21.26	0.134	21.16	0.131
1.4	QPSK	3	0	20.27	0.106	20.51	0.112	20.32	0.108
1.4	QPSK	3	1	20.20	0.105	20.41	0.110	20.34	0.108
1.4	QPSK	3	3	20.19	0.104	20.26	0.106	20.25	0.106
1.4	QPSK	6	0	20.08	0.102	20.25	0.106	20.16	0.104
1.4	16QAM	1	0	20.88	0.122	21.07	0.128	20.97	0.125
1.4	16QAM	1	3	20.81	0.121	21.02	0.126	20.82	0.121
1.4	16QAM	1	5	20.64	0.116	20.87	0.122	20.76	0.119
1.4	16QAM	3	0	20.13	0.103	20.04	0.101	20.09	0.102
1.4	16QAM	3	1	20.07	0.102	20.08	0.102	19.96	0.099
1.4	16QAM	3	3	20.03	0.101	19.89	0.097	19.92	0.098
1.4	16QAM	6	0	19.91	0.098	19.77	0.095	19.83	0.096
1.4	64QAM	1	0	20.01	0.100	20.09	0.102	19.96	0.099
1.4	64QAM	1	3	19.82	0.096	19.91	0.098	19.85	0.097
1.4	64QAM	1	5	19.76	0.095	19.74	0.094	19.74	0.094
1.4	64QAM	3	0	18.82	0.076	18.87	0.077	19.04	0.080
1.4	64QAM	3	1	18.74	0.075	18.83	0.076	19.01	0.080
1.4	64QAM	3	3	18.73	0.075	18.71	0.074	18.85	0.077
1.4	64QAM	6	0	18.68	0.074	18.60	0.072	18.76	0.075



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20450		20525		20600	
Frequency (MHz)				829		836.5		844	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	19.15	0.082	19.23	0.084	19.19	0.083
10	QPSK	1	25	19.04	0.080	19.14	0.082	19.13	0.082
10	QPSK	1	49	18.93	0.078	19.10	0.081	18.98	0.079
10	QPSK	25	0	18.15	0.065	18.21	0.066	18.19	0.066
10	QPSK	25	12	18.09	0.064	18.05	0.064	18.00	0.063
10	QPSK	25	25	18.00	0.063	18.03	0.064	17.97	0.063
10	QPSK	50	0	17.92	0.062	17.98	0.063	17.95	0.062
10	16QAM	1	0	18.70	0.074	18.79	0.076	18.76	0.075
10	16QAM	1	25	18.62	0.073	18.59	0.072	18.69	0.074
10	16QAM	1	49	18.54	0.071	18.51	0.071	18.61	0.073
10	16QAM	25	0	17.61	0.058	17.56	0.057	17.77	0.060
10	16QAM	25	12	17.53	0.057	17.44	0.055	17.72	0.059
10	16QAM	25	25	17.50	0.056	17.41	0.055	17.54	0.057
10	16QAM	50	0	17.47	0.056	17.29	0.054	17.42	0.055
10	64QAM	1	0	17.60	0.058	17.65	0.058	17.62	0.058
10	64QAM	1	25	17.53	0.057	17.58	0.057	17.54	0.057
10	64QAM	1	49	17.48	0.056	17.56	0.057	17.55	0.057
10	64QAM	25	0	16.82	0.048	16.58	0.045	16.81	0.048
10	64QAM	25	12	16.67	0.046	16.56	0.045	16.71	0.047
10	64QAM	25	25	16.62	0.046	16.51	0.045	16.67	0.046
10	64QAM	50	0	16.49	0.045	16.45	0.044	16.62	0.046



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20425		20525		20625	
Frequency (MHz)				826.5		836.5		846.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	19.10	0.081	19.17	0.083	19.14	0.082
5	QPSK	1	12	19.01	0.080	19.08	0.081	19.10	0.081
5	QPSK	1	24	18.91	0.078	19.06	0.081	18.94	0.078
5	QPSK	12	0	18.12	0.065	18.18	0.066	18.16	0.065
5	QPSK	12	7	18.06	0.064	18.01	0.063	17.96	0.063
5	QPSK	12	13	17.96	0.063	17.97	0.063	17.93	0.062
5	QPSK	25	0	17.89	0.062	17.92	0.062	17.91	0.062
5	16QAM	1	0	18.58	0.072	18.67	0.074	18.63	0.073
5	16QAM	1	12	18.59	0.072	18.56	0.072	18.63	0.073
5	16QAM	1	24	18.51	0.071	18.47	0.070	18.56	0.072
5	16QAM	12	0	17.58	0.057	17.51	0.056	17.73	0.059
5	16QAM	12	7	17.50	0.056	17.40	0.055	17.68	0.059
5	16QAM	12	13	17.45	0.056	17.38	0.055	17.51	0.056
5	16QAM	25	0	17.45	0.056	17.25	0.053	17.36	0.054
5	64QAM	1	0	17.57	0.057	17.60	0.058	17.59	0.057
5	64QAM	1	12	17.50	0.056	17.52	0.056	17.51	0.056
5	64QAM	1	24	17.44	0.055	17.54	0.057	17.50	0.056
5	64QAM	12	0	16.78	0.048	16.55	0.045	16.78	0.048
5	64QAM	12	7	16.62	0.046	16.50	0.045	16.66	0.046
5	64QAM	12	13	16.58	0.045	16.46	0.044	16.63	0.046
5	64QAM	25	0	16.47	0.044	16.42	0.044	16.59	0.046



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20415		20525		20635	
Frequency (MHz)				825.5		836.5		847.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	19.07	0.081	19.11	0.081	19.11	0.081
3	QPSK	1	8	18.95	0.079	19.03	0.080	19.07	0.081
3	QPSK	1	14	18.89	0.077	19.02	0.080	18.89	0.077
3	QPSK	8	0	18.07	0.064	18.13	0.065	18.12	0.065
3	QPSK	8	4	18.01	0.063	17.97	0.063	17.92	0.062
3	QPSK	8	7	17.91	0.062	17.91	0.062	17.91	0.062
3	QPSK	15	0	17.86	0.061	17.86	0.061	17.88	0.061
3	16QAM	1	0	18.63	0.073	18.63	0.073	18.65	0.073
3	16QAM	1	8	18.54	0.071	18.51	0.071	18.58	0.072
3	16QAM	1	14	18.48	0.070	18.44	0.070	18.50	0.071
3	16QAM	8	0	17.55	0.057	17.47	0.056	17.68	0.059
3	16QAM	8	4	17.48	0.056	17.37	0.055	17.65	0.058
3	16QAM	8	7	17.40	0.055	17.35	0.054	17.47	0.056
3	16QAM	15	0	17.40	0.055	17.22	0.053	17.32	0.054
3	64QAM	1	0	17.51	0.056	17.55	0.057	17.55	0.057
3	64QAM	1	8	17.46	0.056	17.48	0.056	17.48	0.056
3	64QAM	1	14	17.41	0.055	17.49	0.056	17.47	0.056
3	64QAM	8	0	16.75	0.047	16.50	0.045	16.74	0.047
3	64QAM	8	4	16.59	0.046	16.48	0.044	16.64	0.046
3	64QAM	8	7	16.53	0.045	16.42	0.044	16.58	0.045
3	64QAM	15	0	16.41	0.044	16.37	0.043	16.53	0.045



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20407		20525		20643	
Frequency (MHz)				824.7		836.5		848.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	19.04	0.080	19.08	0.081	19.07	0.081
1.4	QPSK	1	3	18.92	0.078	19.01	0.080	19.04	0.080
1.4	QPSK	1	5	18.86	0.077	18.97	0.079	18.85	0.077
1.4	QPSK	3	0	18.05	0.064	18.11	0.065	18.09	0.064
1.4	QPSK	3	1	17.98	0.063	17.93	0.062	17.87	0.061
1.4	QPSK	3	3	17.88	0.061	17.86	0.061	17.89	0.062
1.4	QPSK	6	0	17.82	0.061	17.82	0.061	17.85	0.061
1.4	16QAM	1	0	18.49	0.071	18.59	0.072	18.54	0.071
1.4	16QAM	1	3	18.42	0.070	18.39	0.069	18.44	0.070
1.4	16QAM	1	5	18.35	0.068	18.34	0.068	18.36	0.069
1.4	16QAM	3	0	17.43	0.055	17.35	0.054	17.56	0.057
1.4	16QAM	3	1	17.38	0.055	17.24	0.053	17.55	0.057
1.4	16QAM	3	3	17.29	0.054	17.23	0.053	17.33	0.054
1.4	16QAM	6	0	17.34	0.054	17.19	0.052	17.28	0.053
1.4	64QAM	1	0	17.47	0.056	17.50	0.056	17.50	0.056
1.4	64QAM	1	3	17.44	0.055	17.43	0.055	17.45	0.056
1.4	64QAM	1	5	17.35	0.054	17.45	0.056	17.44	0.055
1.4	64QAM	3	0	16.70	0.047	16.47	0.044	16.72	0.047
1.4	64QAM	3	1	16.56	0.045	16.44	0.044	16.59	0.046
1.4	64QAM	3	3	16.50	0.045	16.39	0.044	16.54	0.045
1.4	64QAM	6	0	16.38	0.043	16.32	0.043	16.48	0.044



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20850		21100		21350	
Frequency (MHz)				2510		2535		2560	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	21.12	0.129	21.20	0.132	21.17	0.131
20	QPSK	1	49	20.95	0.124	21.07	0.128	21.04	0.127
20	QPSK	1	99	20.81	0.121	20.88	0.122	20.92	0.124
20	QPSK	50	0	20.47	0.111	20.55	0.114	20.52	0.113
20	QPSK	50	24	20.39	0.109	20.39	0.109	20.49	0.112
20	QPSK	50	50	20.26	0.106	20.30	0.107	20.37	0.109
20	QPSK	100	0	20.13	0.103	20.22	0.105	20.20	0.105
20	16QAM	1	0	20.63	0.116	20.72	0.118	20.70	0.117
20	16QAM	1	49	20.47	0.111	20.69	0.117	20.62	0.115
20	16QAM	1	99	20.32	0.108	20.57	0.114	20.50	0.112
20	16QAM	50	0	19.70	0.093	19.84	0.096	19.81	0.096
20	16QAM	50	24	19.62	0.092	19.72	0.094	19.74	0.094
20	16QAM	50	50	19.57	0.091	19.55	0.090	19.56	0.090
20	16QAM	100	0	19.38	0.087	19.36	0.086	19.39	0.087
20	64QAM	1	0	19.52	0.090	19.54	0.090	19.49	0.089
20	64QAM	1	49	19.51	0.089	19.47	0.089	19.44	0.088
20	64QAM	1	99	19.38	0.087	19.30	0.085	19.33	0.086
20	64QAM	50	0	18.80	0.076	18.78	0.076	18.83	0.076
20	64QAM	50	24	18.70	0.074	18.72	0.074	18.78	0.076
20	64QAM	50	50	18.63	0.073	18.58	0.072	18.60	0.072
20	64QAM	100	0	18.51	0.071	18.39	0.069	18.43	0.070



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20825		21100		21375	
Frequency (MHz)				2507.5		2535		2562.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	21.09	0.129	21.17	0.131	21.03	0.127
15	QPSK	1	37	20.92	0.124	21.02	0.126	20.99	0.126
15	QPSK	1	74	20.77	0.119	20.84	0.121	20.90	0.123
15	QPSK	36	0	20.42	0.110	20.52	0.113	20.49	0.112
15	QPSK	36	20	20.35	0.108	20.34	0.108	20.47	0.111
15	QPSK	36	39	20.20	0.105	20.27	0.106	20.33	0.108
15	QPSK	75	0	20.07	0.102	20.19	0.104	20.16	0.104
15	16QAM	1	0	20.58	0.114	20.67	0.117	20.66	0.116
15	16QAM	1	37	20.44	0.111	20.63	0.116	20.59	0.115
15	16QAM	1	74	20.26	0.106	20.52	0.113	20.44	0.111
15	16QAM	36	0	19.66	0.092	19.80	0.095	19.75	0.094
15	16QAM	36	20	19.60	0.091	19.69	0.093	19.71	0.094
15	16QAM	36	39	19.54	0.090	19.52	0.090	19.52	0.090
15	16QAM	75	0	19.34	0.086	19.31	0.085	19.34	0.086
15	64QAM	1	0	19.47	0.089	19.52	0.090	19.44	0.088
15	64QAM	1	37	19.47	0.089	19.42	0.087	19.40	0.087
15	64QAM	1	74	19.32	0.086	19.27	0.085	19.28	0.085
15	64QAM	36	0	18.78	0.076	18.73	0.075	18.80	0.076
15	64QAM	36	20	18.66	0.073	18.67	0.074	18.74	0.075
15	64QAM	36	39	18.58	0.072	18.54	0.071	18.56	0.072
15	64QAM	75	0	18.48	0.070	18.37	0.069	18.39	0.069



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20800		21100		21400	
Frequency (MHz)				2505		2535		2565	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	21.04	0.127	21.12	0.129	21.00	0.126
10	QPSK	1	25	20.90	0.123	20.97	0.125	20.96	0.125
10	QPSK	1	49	20.75	0.119	20.80	0.120	20.85	0.122
10	QPSK	25	0	20.40	0.110	20.48	0.112	20.45	0.111
10	QPSK	25	12	20.29	0.107	20.29	0.107	20.43	0.110
10	QPSK	25	25	20.14	0.103	20.23	0.105	20.28	0.107
10	QPSK	50	0	20.04	0.101	20.14	0.103	20.13	0.103
10	16QAM	1	0	20.53	0.113	20.64	0.116	20.63	0.116
10	16QAM	1	25	20.42	0.110	20.57	0.114	20.54	0.113
10	16QAM	1	49	20.23	0.105	20.46	0.111	20.42	0.110
10	16QAM	25	0	19.60	0.091	19.74	0.094	19.73	0.094
10	16QAM	25	12	19.55	0.090	19.65	0.092	19.66	0.092
10	16QAM	25	25	19.50	0.089	19.47	0.089	19.48	0.089
10	16QAM	50	0	19.29	0.085	19.25	0.084	19.29	0.085
10	64QAM	1	0	19.42	0.087	19.47	0.089	19.40	0.087
10	64QAM	1	25	19.44	0.088	19.38	0.087	19.36	0.086
10	64QAM	1	49	19.28	0.085	19.23	0.084	19.25	0.084
10	64QAM	25	0	18.75	0.075	18.71	0.074	18.76	0.075
10	64QAM	25	12	18.62	0.073	18.62	0.073	18.68	0.074
10	64QAM	25	25	18.56	0.072	18.50	0.071	18.50	0.071
10	64QAM	50	0	18.44	0.070	18.34	0.068	18.34	0.068



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20775		21100		21425	
Frequency (MHz)				2502.5		2535		2567.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	21.01	0.126	21.07	0.128	20.94	0.124
5	QPSK	1	12	20.84	0.121	20.95	0.124	20.92	0.124
5	QPSK	1	24	20.72	0.118	20.77	0.119	20.82	0.121
5	QPSK	12	0	20.34	0.108	20.44	0.111	20.39	0.109
5	QPSK	12	7	20.26	0.106	20.24	0.106	20.37	0.109
5	QPSK	12	13	20.11	0.103	20.20	0.105	20.24	0.106
5	QPSK	25	0	20.01	0.100	20.11	0.103	20.10	0.102
5	16QAM	1	0	20.50	0.112	20.60	0.115	20.60	0.115
5	16QAM	1	12	20.37	0.109	20.55	0.114	20.49	0.112
5	16QAM	1	24	20.19	0.104	20.44	0.111	20.39	0.109
5	16QAM	12	0	19.55	0.090	19.69	0.093	19.69	0.093
5	16QAM	12	7	19.51	0.089	19.63	0.092	19.64	0.092
5	16QAM	12	13	19.48	0.089	19.43	0.088	19.44	0.088
5	16QAM	25	0	19.24	0.084	19.20	0.083	19.26	0.084
5	64QAM	1	0	19.40	0.087	19.45	0.088	19.36	0.086
5	64QAM	1	12	19.40	0.087	19.33	0.086	19.31	0.085
5	64QAM	1	24	19.23	0.084	19.18	0.083	19.20	0.083
5	64QAM	12	0	18.73	0.075	18.67	0.074	18.71	0.074
5	64QAM	12	7	18.59	0.072	18.58	0.072	18.66	0.073
5	64QAM	12	13	18.53	0.071	18.46	0.070	18.48	0.070
5	64QAM	25	0	18.38	0.069	18.29	0.067	18.31	0.068



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23060		23095		23130	
Frequency (MHz)				704		707.5		711	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	19.02	0.080	19.07	0.081	18.96	0.079
10	QPSK	1	25	18.88	0.077	18.89	0.077	18.83	0.076
10	QPSK	1	49	18.86	0.077	18.78	0.076	18.69	0.074
10	QPSK	25	0	18.46	0.070	18.48	0.070	18.43	0.070
10	QPSK	25	12	18.35	0.068	18.32	0.068	18.34	0.068
10	QPSK	25	25	18.20	0.066	18.23	0.067	18.23	0.067
10	QPSK	50	0	18.02	0.063	18.17	0.066	18.09	0.064
10	16QAM	1	0	18.75	0.075	18.84	0.077	18.68	0.074
10	16QAM	1	25	18.79	0.076	18.80	0.076	18.64	0.073
10	16QAM	1	49	18.64	0.073	18.62	0.073	18.60	0.072
10	16QAM	25	0	17.80	0.060	17.78	0.060	17.74	0.059
10	16QAM	25	12	17.71	0.059	17.65	0.058	17.55	0.057
10	16QAM	25	25	17.59	0.057	17.51	0.056	17.49	0.056
10	16QAM	50	0	17.44	0.055	17.42	0.055	17.36	0.054
10	64QAM	1	0	17.66	0.058	17.47	0.056	17.43	0.055
10	64QAM	1	25	17.51	0.056	17.35	0.054	17.32	0.054
10	64QAM	1	49	17.37	0.055	17.27	0.053	17.29	0.054
10	64QAM	25	0	16.90	0.049	16.83	0.048	16.71	0.047
10	64QAM	25	12	16.80	0.048	16.79	0.048	16.59	0.046
10	64QAM	25	25	16.64	0.046	16.61	0.046	16.43	0.044
10	64QAM	50	0	16.60	0.046	16.52	0.045	16.33	0.043



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23035		23095		23155	
Frequency (MHz)				701.5		707.5		713.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	18.98	0.079	19.02	0.080	18.90	0.078
5	QPSK	1	12	18.84	0.077	18.85	0.077	18.81	0.076
5	QPSK	1	24	18.82	0.076	18.75	0.075	18.67	0.074
5	QPSK	12	0	18.43	0.070	18.43	0.070	18.39	0.069
5	QPSK	12	7	18.30	0.068	18.28	0.067	18.31	0.068
5	QPSK	12	13	18.16	0.065	18.18	0.066	18.19	0.066
5	QPSK	25	0	17.97	0.063	18.15	0.065	18.07	0.064
5	16QAM	1	0	18.72	0.074	18.82	0.076	18.64	0.073
5	16QAM	1	12	18.74	0.075	18.76	0.075	18.60	0.072
5	16QAM	1	24	18.59	0.072	18.56	0.072	18.56	0.072
5	16QAM	12	0	17.76	0.060	17.74	0.059	17.72	0.059
5	16QAM	12	7	17.67	0.058	17.63	0.058	17.50	0.056
5	16QAM	12	13	17.56	0.057	17.45	0.056	17.46	0.056
5	16QAM	25	0	17.41	0.055	17.38	0.055	17.33	0.054
5	64QAM	1	0	17.60	0.058	17.41	0.055	17.39	0.055
5	64QAM	1	12	17.46	0.056	17.31	0.054	17.28	0.053
5	64QAM	1	24	17.35	0.054	17.22	0.053	17.23	0.053
5	64QAM	12	0	16.87	0.049	16.79	0.048	16.65	0.046
5	64QAM	12	7	16.77	0.048	16.75	0.047	16.55	0.045
5	64QAM	12	13	16.61	0.046	16.56	0.045	16.38	0.043
5	64QAM	25	0	16.57	0.045	16.46	0.044	16.28	0.042



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	18.95	0.079	18.97	0.079	18.87	0.077
3	QPSK	1	8	18.80	0.076	18.82	0.076	18.76	0.075
3	QPSK	1	14	18.77	0.075	18.73	0.075	18.61	0.073
3	QPSK	8	0	18.41	0.069	18.38	0.069	18.36	0.069
3	QPSK	8	4	18.28	0.067	18.22	0.066	18.27	0.067
3	QPSK	8	7	18.13	0.065	18.15	0.065	18.16	0.065
3	QPSK	15	0	17.95	0.062	18.11	0.065	18.02	0.063
3	16QAM	1	0	18.66	0.073	18.79	0.076	18.61	0.073
3	16QAM	1	8	18.70	0.074	18.74	0.075	18.57	0.072
3	16QAM	1	14	18.53	0.071	18.54	0.071	18.52	0.071
3	16QAM	8	0	17.70	0.059	17.72	0.059	17.69	0.059
3	16QAM	8	4	17.61	0.058	17.61	0.058	17.48	0.056
3	16QAM	8	7	17.54	0.057	17.40	0.055	17.43	0.055
3	16QAM	15	0	17.38	0.055	17.33	0.054	17.31	0.054
3	64QAM	1	0	17.55	0.057	17.35	0.054	17.36	0.054
3	64QAM	1	8	17.41	0.055	17.26	0.053	17.25	0.053
3	64QAM	1	14	17.32	0.054	17.18	0.052	17.20	0.052
3	64QAM	8	0	16.84	0.048	16.76	0.047	16.62	0.046
3	64QAM	8	4	16.71	0.047	16.72	0.047	16.49	0.045
3	64QAM	8	7	16.56	0.045	16.50	0.045	16.35	0.043
3	64QAM	15	0	16.52	0.045	16.44	0.044	16.24	0.042



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	18.90	0.078	18.92	0.078	18.85	0.077
1.4	QPSK	1	3	18.75	0.075	18.78	0.076	18.72	0.074
1.4	QPSK	1	5	18.73	0.075	18.67	0.074	18.58	0.072
1.4	QPSK	3	0	18.37	0.069	18.34	0.068	18.33	0.068
1.4	QPSK	3	1	18.26	0.067	18.20	0.066	18.22	0.066
1.4	QPSK	3	3	18.11	0.065	18.11	0.065	18.12	0.065
1.4	QPSK	6	0	17.90	0.062	18.07	0.064	17.97	0.063
1.4	16QAM	1	0	18.63	0.073	18.75	0.075	18.57	0.072
1.4	16QAM	1	3	18.66	0.073	18.69	0.074	18.54	0.071
1.4	16QAM	1	5	18.51	0.071	18.51	0.071	18.48	0.070
1.4	16QAM	3	0	17.65	0.058	17.68	0.059	17.64	0.058
1.4	16QAM	3	1	17.56	0.057	17.58	0.057	17.45	0.056
1.4	16QAM	3	3	17.49	0.056	17.37	0.055	17.40	0.055
1.4	16QAM	6	0	17.35	0.054	17.27	0.053	17.28	0.053
1.4	64QAM	1	0	17.53	0.057	17.33	0.054	17.33	0.054
1.4	64QAM	1	3	17.38	0.055	17.21	0.053	17.22	0.053
1.4	64QAM	1	5	17.29	0.054	17.16	0.052	17.18	0.052
1.4	64QAM	3	0	16.79	0.048	16.72	0.047	16.58	0.045
1.4	64QAM	3	1	16.67	0.046	16.69	0.047	16.44	0.044
1.4	64QAM	3	3	16.50	0.045	16.48	0.044	16.30	0.043
1.4	64QAM	6	0	16.49	0.045	16.41	0.044	16.21	0.042



LTE Band 17				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23780		23790		23800	
Frequency (MHz)				709		710		711	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	19.32	0.086	19.38	0.087	19.35	0.086
10	QPSK	1	25	19.26	0.084	19.21	0.083	19.29	0.085
10	QPSK	1	49	19.14	0.082	19.02	0.080	19.24	0.084
10	QPSK	25	0	18.39	0.069	18.41	0.069	18.37	0.069
10	QPSK	25	12	18.34	0.068	18.31	0.068	18.22	0.066
10	QPSK	25	25	18.21	0.066	18.25	0.067	18.12	0.065
10	QPSK	50	0	18.16	0.065	18.20	0.066	18.07	0.064
10	16QAM	1	0	18.84	0.077	18.86	0.077	18.84	0.077
10	16QAM	1	25	18.82	0.076	18.62	0.073	18.79	0.076
10	16QAM	1	49	18.67	0.074	18.57	0.072	18.70	0.074
10	16QAM	25	0	17.88	0.061	17.83	0.061	17.87	0.061
10	16QAM	25	12	17.84	0.061	17.72	0.059	17.83	0.061
10	16QAM	25	25	17.82	0.061	17.58	0.057	17.76	0.060
10	16QAM	50	0	17.64	0.058	17.48	0.056	17.67	0.058
10	64QAM	1	0	17.72	0.059	17.74	0.059	17.71	0.059
10	64QAM	1	25	17.64	0.058	17.56	0.057	17.60	0.058
10	64QAM	1	49	17.55	0.057	17.52	0.056	17.52	0.056
10	64QAM	25	0	16.70	0.047	16.80	0.048	16.75	0.047
10	64QAM	25	12	16.64	0.046	16.54	0.045	16.60	0.046
10	64QAM	25	25	16.55	0.045	16.48	0.044	16.52	0.045
10	64QAM	50	0	16.47	0.044	16.45	0.044	16.44	0.044



LTE Band 17				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23755		23790		23825	
Frequency (MHz)				706.5		710		713.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	19.29	0.085	19.34	0.086	19.31	0.085
5	QPSK	1	12	19.23	0.084	19.18	0.083	19.27	0.085
5	QPSK	1	24	19.10	0.081	18.97	0.079	19.22	0.084
5	QPSK	12	0	18.36	0.069	18.37	0.069	18.34	0.068
5	QPSK	12	7	18.28	0.067	18.26	0.067	18.18	0.066
5	QPSK	12	13	18.16	0.065	18.19	0.066	18.09	0.064
5	QPSK	25	0	18.11	0.065	18.17	0.066	18.01	0.063
5	16QAM	1	0	18.78	0.076	18.83	0.076	18.82	0.076
5	16QAM	1	12	18.80	0.076	18.56	0.072	18.76	0.075
5	16QAM	1	24	18.62	0.073	18.51	0.071	18.66	0.073
5	16QAM	12	0	17.85	0.061	17.81	0.060	17.85	0.061
5	16QAM	12	7	17.79	0.060	17.68	0.059	17.80	0.060
5	16QAM	12	13	17.78	0.060	17.54	0.057	17.73	0.059
5	16QAM	25	0	17.59	0.057	17.46	0.056	17.62	0.058
5	64QAM	1	0	17.69	0.059	17.70	0.059	17.66	0.058
5	64QAM	1	12	17.61	0.058	17.53	0.057	17.55	0.057
5	64QAM	1	24	17.50	0.056	17.48	0.056	17.49	0.056
5	64QAM	12	0	16.64	0.046	16.75	0.047	16.71	0.047
5	64QAM	12	7	16.62	0.046	16.51	0.045	16.55	0.045
5	64QAM	12	13	16.53	0.045	16.44	0.044	16.48	0.044
5	64QAM	25	0	16.45	0.044	16.43	0.044	16.41	0.044



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132072		132322		132572	
Frequency (MHz)				1720		1745		1770	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	21.51	0.142	21.56	0.143	21.47	0.140
20	QPSK	1	49	21.39	0.138	21.46	0.140	21.31	0.135
20	QPSK	1	99	21.33	0.136	21.40	0.138	21.27	0.134
20	QPSK	50	0	20.71	0.118	20.82	0.121	20.80	0.120
20	QPSK	50	24	20.65	0.116	20.78	0.120	20.66	0.116
20	QPSK	50	50	20.58	0.114	20.71	0.118	20.55	0.114
20	QPSK	100	0	20.56	0.114	20.59	0.115	20.51	0.112
20	16QAM	1	0	21.26	0.134	21.29	0.135	21.18	0.131
20	16QAM	1	49	21.11	0.129	21.13	0.130	21.12	0.129
20	16QAM	1	99	21.00	0.126	21.01	0.126	21.09	0.129
20	16QAM	50	0	20.22	0.105	20.27	0.106	20.21	0.105
20	16QAM	50	24	20.05	0.101	20.08	0.102	20.16	0.104
20	16QAM	50	50	19.98	0.100	19.94	0.099	20.08	0.102
20	16QAM	100	0	19.88	0.097	19.86	0.097	19.92	0.098
20	64QAM	1	0	20.06	0.101	20.09	0.102	20.06	0.101
20	64QAM	1	49	20.03	0.101	19.97	0.099	20.00	0.100
20	64QAM	1	99	19.93	0.098	19.86	0.097	19.87	0.097
20	64QAM	50	0	19.34	0.086	19.28	0.085	19.27	0.085
20	64QAM	50	24	19.23	0.084	19.12	0.082	19.18	0.083
20	64QAM	50	50	19.19	0.083	18.98	0.079	19.06	0.081
20	64QAM	100	0	19.09	0.081	18.96	0.079	18.99	0.079



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132047		132322		132597	
Frequency (MHz)				1717.5		1745		1772.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	21.46	0.140	21.51	0.142	21.44	0.139
15	QPSK	1	37	21.36	0.137	21.41	0.138	21.26	0.134
15	QPSK	1	74	21.30	0.135	21.35	0.136	21.22	0.132
15	QPSK	36	0	20.67	0.117	20.79	0.120	20.77	0.119
15	QPSK	36	20	20.59	0.115	20.73	0.118	20.63	0.116
15	QPSK	36	39	20.53	0.113	20.65	0.116	20.50	0.112
15	QPSK	75	0	20.51	0.112	20.56	0.114	20.47	0.111
15	16QAM	1	0	21.23	0.133	21.23	0.133	21.14	0.130
15	16QAM	1	37	21.09	0.129	21.10	0.129	21.08	0.128
15	16QAM	1	74	20.96	0.125	20.98	0.125	21.07	0.128
15	16QAM	36	0	20.18	0.104	20.22	0.105	20.18	0.104
15	16QAM	36	20	20.03	0.101	20.03	0.101	20.11	0.103
15	16QAM	36	39	19.93	0.098	19.90	0.098	20.03	0.101
15	16QAM	75	0	19.85	0.097	19.81	0.096	19.88	0.097
15	64QAM	1	0	20.00	0.100	20.06	0.101	20.01	0.100
15	64QAM	1	37	19.99	0.100	19.91	0.098	19.98	0.100
15	64QAM	1	74	19.88	0.097	19.83	0.096	19.83	0.096
15	64QAM	36	0	19.31	0.085	19.22	0.084	19.23	0.084
15	64QAM	36	20	19.18	0.083	19.06	0.081	19.15	0.082
15	64QAM	36	39	19.16	0.082	18.96	0.079	19.01	0.080
15	64QAM	75	0	19.04	0.080	18.92	0.078	18.95	0.079



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132022		132322		132622	
Frequency (MHz)				1715		1745		1775	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	21.43	0.139	21.46	0.140	21.39	0.138
10	QPSK	1	25	21.33	0.136	21.37	0.137	21.21	0.132
10	QPSK	1	49	21.27	0.134	21.30	0.135	21.17	0.131
10	QPSK	25	0	20.65	0.116	20.75	0.119	20.73	0.118
10	QPSK	25	12	20.57	0.114	20.68	0.117	20.61	0.115
10	QPSK	25	25	20.47	0.111	20.63	0.116	20.47	0.111
10	QPSK	50	0	20.49	0.112	20.50	0.112	20.45	0.111
10	16QAM	1	0	21.20	0.132	21.19	0.132	21.11	0.129
10	16QAM	1	25	21.04	0.127	21.05	0.127	21.03	0.127
10	16QAM	1	49	20.92	0.124	20.93	0.124	21.03	0.127
10	16QAM	25	0	20.14	0.103	20.18	0.104	20.12	0.103
10	16QAM	25	12	20.01	0.100	19.99	0.100	20.07	0.102
10	16QAM	25	25	19.90	0.098	19.84	0.096	19.97	0.099
10	16QAM	50	0	19.82	0.096	19.79	0.095	19.84	0.096
10	64QAM	1	0	19.94	0.099	20.02	0.100	19.98	0.100
10	64QAM	1	25	19.94	0.099	19.86	0.097	19.92	0.098
10	64QAM	1	49	19.84	0.096	19.78	0.095	19.80	0.095
10	64QAM	25	0	19.28	0.085	19.19	0.083	19.20	0.083
10	64QAM	25	12	19.15	0.082	19.02	0.080	19.11	0.081
10	64QAM	25	25	19.14	0.082	18.92	0.078	18.99	0.079
10	64QAM	50	0	19.01	0.080	18.87	0.077	18.90	0.078



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131997		132322		132647	
Frequency (MHz)				1712.5		1745		1777.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	21.40	0.138	21.44	0.139	21.34	0.136
5	QPSK	1	12	21.27	0.134	21.34	0.136	21.17	0.131
5	QPSK	1	24	21.25	0.133	21.26	0.134	21.14	0.130
5	QPSK	12	0	20.60	0.115	20.73	0.118	20.69	0.117
5	QPSK	12	7	20.54	0.113	20.66	0.116	20.57	0.114
5	QPSK	12	13	20.42	0.110	20.58	0.114	20.41	0.110
5	QPSK	25	0	20.44	0.111	20.44	0.111	20.40	0.110
5	16QAM	1	0	21.14	0.130	21.14	0.130	21.06	0.128
5	16QAM	1	12	20.98	0.125	21.00	0.126	21.01	0.126
5	16QAM	1	24	20.89	0.123	20.90	0.123	20.97	0.125
5	16QAM	12	0	20.11	0.103	20.16	0.104	20.09	0.102
5	16QAM	12	7	19.98	0.100	19.93	0.098	20.04	0.101
5	16QAM	12	13	19.88	0.097	19.80	0.095	19.93	0.098
5	16QAM	25	0	19.79	0.095	19.75	0.094	19.80	0.095
5	64QAM	1	0	19.89	0.097	20.00	0.100	19.93	0.098
5	64QAM	1	12	19.89	0.097	19.82	0.096	19.89	0.097
5	64QAM	1	24	19.78	0.095	19.74	0.094	19.76	0.095
5	64QAM	12	0	19.23	0.084	19.17	0.083	19.17	0.083
5	64QAM	12	7	19.11	0.081	18.97	0.079	19.08	0.081
5	64QAM	12	13	19.09	0.081	18.89	0.077	18.96	0.079
5	64QAM	25	0	18.96	0.079	18.83	0.076	18.86	0.077



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131987		132322		132657	
Frequency (MHz)				1711.5		1745		1778.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	21.36	0.137	21.40	0.138	21.30	0.135
3	QPSK	1	8	21.23	0.133	21.30	0.135	21.14	0.130
3	QPSK	1	14	21.21	0.132	21.21	0.132	21.10	0.129
3	QPSK	8	0	20.58	0.114	20.69	0.117	20.64	0.116
3	QPSK	8	4	20.49	0.112	20.62	0.115	20.54	0.113
3	QPSK	8	7	20.38	0.109	20.54	0.113	20.38	0.109
3	QPSK	15	0	20.40	0.110	20.40	0.110	20.36	0.109
3	16QAM	1	0	21.10	0.129	21.12	0.129	21.04	0.127
3	16QAM	1	8	20.93	0.124	20.98	0.125	20.96	0.125
3	16QAM	1	14	20.87	0.122	20.87	0.122	20.94	0.124
3	16QAM	8	0	20.09	0.102	20.11	0.103	20.05	0.101
3	16QAM	8	4	19.95	0.099	19.91	0.098	19.98	0.100
3	16QAM	8	7	19.83	0.096	19.77	0.095	19.87	0.097
3	16QAM	15	0	19.75	0.094	19.70	0.093	19.78	0.095
3	64QAM	1	0	19.84	0.096	19.94	0.099	19.88	0.097
3	64QAM	1	8	19.86	0.097	19.77	0.095	19.83	0.096
3	64QAM	1	14	19.73	0.094	19.69	0.093	19.71	0.094
3	64QAM	8	0	19.20	0.083	19.14	0.082	19.14	0.082
3	64QAM	8	4	19.07	0.081	18.92	0.078	19.03	0.080
3	64QAM	8	7	19.04	0.080	18.84	0.077	18.92	0.078
3	64QAM	15	0	18.93	0.078	18.80	0.076	18.83	0.076



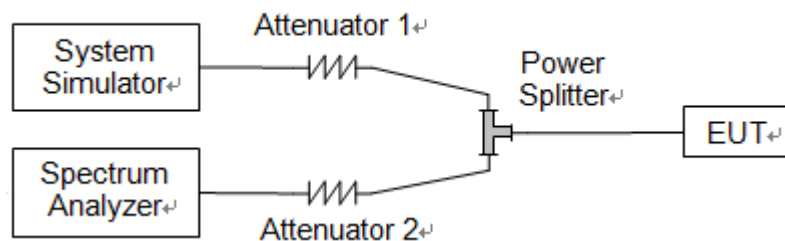
LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131979		132322		132665	
Frequency (MHz)				1710.7		1745		1779.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	21.29	0.135	21.35	0.136	21.26	0.134
1.4	QPSK	1	3	21.19	0.132	21.27	0.134	21.07	0.128
1.4	QPSK	1	5	21.16	0.131	21.18	0.131	21.07	0.128
1.4	QPSK	3	0	20.50	0.112	20.66	0.116	20.59	0.115
1.4	QPSK	3	1	20.46	0.111	20.56	0.114	20.48	0.112
1.4	QPSK	3	3	20.35	0.108	20.46	0.111	20.30	0.107
1.4	QPSK	6	0	20.38	0.109	20.39	0.109	20.29	0.107
1.4	16QAM	1	0	21.05	0.127	21.07	0.128	20.95	0.124
1.4	16QAM	1	3	20.90	0.123	20.92	0.124	20.96	0.125
1.4	16QAM	1	5	20.81	0.121	20.80	0.120	20.89	0.123
1.4	16QAM	3	0	20.05	0.101	20.08	0.102	19.98	0.100
1.4	16QAM	3	1	19.90	0.098	19.86	0.097	19.93	0.098
1.4	16QAM	3	3	19.78	0.095	19.69	0.093	19.83	0.096
1.4	16QAM	6	0	19.71	0.094	19.67	0.093	19.72	0.094
1.4	64QAM	1	0	19.81	0.096	19.95	0.099	19.85	0.097
1.4	64QAM	1	3	19.82	0.096	19.76	0.095	19.83	0.096
1.4	64QAM	1	5	19.70	0.093	19.65	0.092	19.70	0.093
1.4	64QAM	3	0	19.17	0.083	19.11	0.081	19.07	0.081
1.4	64QAM	3	1	19.05	0.080	18.90	0.078	18.98	0.079
1.4	64QAM	3	3	19.02	0.080	18.81	0.076	18.87	0.077
1.4	64QAM	6	0	18.88	0.077	18.75	0.075	18.75	0.075

2.2. Occupied Bandwidth

2.2.1. Requirement

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

2.2.2. Test Description



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

2.2.3. Test Procedure

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

2.2.4. Test Result



LTE Band 2				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.24
	Low	16QAM	1.1	1.25
	Low	64QAM	1.1	1.25
	Mid	QPSK	1.1	1.25
	Mid	16QAM	1.1	1.25
	Mid	64QAM	1.1	1.25
	High	QPSK	1.1	1.24
	High	16QAM	1.1	1.25
	High	64QAM	1.1	1.25
3	Low	QPSK	2.72	3.06
	Low	16QAM	2.7	3.06
	Low	64QAM	2.72	3.06
	Mid	QPSK	2.72	3.06
	Mid	16QAM	2.71	3.05
	Mid	64QAM	2.72	3.06
	High	QPSK	2.71	3.05
	High	16QAM	2.71	3.05
	High	64QAM	2.73	3.06
5	Low	QPSK	4.5	4.99
	Low	16QAM	4.49	4.97
	Low	64QAM	4.48	4.97
	Mid	QPSK	4.5	4.99
	Mid	16QAM	4.5	4.98
	Mid	64QAM	4.49	4.96
	High	QPSK	4.5	4.97
	High	16QAM	4.5	4.96
	High	64QAM	4.5	4.96
10	Low	QPSK	9.0	9.86
	Low	16QAM	8.98	9.87
	Low	64QAM	9.0	9.85
	Mid	QPSK	9.02	9.87
	Mid	16QAM	8.97	9.84
	Mid	64QAM	9.01	9.85
	High	QPSK	9.01	9.88
	High	16QAM	8.98	9.86
	High	64QAM	9.01	9.86



15	Low	QPSK	13.5	14.89
	Low	16QAM	13.47	14.95
	Low	64QAM	13.47	14.86
	Mid	QPSK	13.49	14.89
	Mid	16QAM	13.51	15.03
	Mid	64QAM	13.51	14.98
	High	QPSK	13.5	14.93
	High	16QAM	13.49	14.88
	High	64QAM	13.49	14.92
20	Low	QPSK	17.95	19.73
	Low	16QAM	17.98	19.94
	Low	64QAM	17.95	19.72
	Mid	QPSK	18.04	19.79
	Mid	16QAM	18.06	19.74
	Mid	64QAM	18.06	19.85
	High	QPSK	17.93	19.67
	High	16QAM	18.0	19.71
	High	64QAM	17.94	19.67



LTE Band 4				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.1	1.24
	Low	16QAM	1.1	1.25
	Low	64QAM	1.1	1.24
	Mid	QPSK	1.1	1.25
	Mid	16QAM	1.1	1.24
	Mid	64QAM	1.1	1.24
	High	QPSK	1.1	1.24
	High	16QAM	1.1	1.25
	High	64QAM	1.1	1.25
3	Low	QPSK	2.72	3.04
	Low	16QAM	2.72	3.05
	Low	64QAM	2.72	3.06
	Mid	QPSK	2.71	3.04
	Mid	16QAM	2.72	3.05
	Mid	64QAM	2.72	3.06
	High	QPSK	2.72	3.05
	High	16QAM	2.72	3.06
	High	64QAM	2.72	3.06
5	Low	QPSK	4.51	4.97
	Low	16QAM	4.5	4.96
	Low	64QAM	4.49	4.96
	Mid	QPSK	4.5	4.96
	Mid	16QAM	4.5	4.97
	Mid	64QAM	4.49	4.97
	High	QPSK	4.51	4.99
	High	16QAM	4.5	4.99
	High	64QAM	4.49	4.98
10	Low	QPSK	9.01	9.93
	Low	16QAM	8.98	9.75
	Low	64QAM	9.0	9.88
	Mid	QPSK	9.02	9.9
	Mid	16QAM	8.98	9.83
	Mid	64QAM	8.99	9.86
	High	QPSK	9.03	9.92
	High	16QAM	8.97	9.82
	High	64QAM	8.99	9.88



15	Low	QPSK	13.48	14.91
	Low	16QAM	13.51	14.96
	Low	64QAM	13.5	14.92
	Mid	QPSK	13.48	14.89
	Mid	16QAM	13.51	14.84
	Mid	64QAM	13.5	14.96
	High	QPSK	13.45	14.82
	High	16QAM	13.47	14.87
	High	64QAM	13.47	15.02
20	Low	QPSK	18.02	19.83
	Low	16QAM	18.01	19.81
	Low	64QAM	18.02	19.8
	Mid	QPSK	18.0	19.81
	Mid	16QAM	18.01	19.69
	Mid	64QAM	17.99	19.78
	High	QPSK	17.95	19.81
	High	16QAM	17.99	19.8
	High	64QAM	17.99	19.71



LTE Band 5				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.25
	Low	16QAM	1.1	1.25
	Low	64QAM	1.1	1.25
	Mid	QPSK	1.1	1.26
	Mid	16QAM	1.1	1.25
	Mid	64QAM	1.1	1.25
	High	QPSK	1.1	1.26
	High	16QAM	1.1	1.26
	High	64QAM	1.11	1.26
3	Low	QPSK	2.72	3.03
	Low	16QAM	2.71	3.05
	Low	64QAM	2.72	3.07
	Mid	QPSK	2.72	3.05
	Mid	16QAM	2.72	3.07
	Mid	64QAM	2.72	3.06
	High	QPSK	2.72	3.06
	High	16QAM	2.73	3.06
	High	64QAM	2.72	3.07
5	Low	QPSK	4.51	4.99
	Low	16QAM	4.5	5.0
	Low	64QAM	4.5	4.96
	Mid	QPSK	4.51	5.01
	Mid	16QAM	4.5	4.99
	Mid	64QAM	4.5	4.96
	High	QPSK	4.52	4.99
	High	16QAM	4.51	5.01
	High	64QAM	4.5	4.97
10	Low	QPSK	9.01	9.9
	Low	16QAM	8.99	9.88
	Low	64QAM	9.01	9.93
	Mid	QPSK	9.0	10.0
	Mid	16QAM	8.97	9.8
	Mid	64QAM	8.99	9.85
	High	QPSK	9.03	9.9
	High	16QAM	8.99	9.86
	High	64QAM	9.01	9.91



LTE Band 7				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.51	5.01
	Low	16QAM	4.51	5.02
	Low	64QAM	4.5	4.99
	Mid	QPSK	4.51	4.99
	Mid	16QAM	4.51	4.98
	Mid	64QAM	4.5	4.97
	High	QPSK	4.51	4.98
	High	16QAM	4.51	4.99
	High	64QAM	4.5	4.97
10	Low	QPSK	9.02	9.93
	Low	16QAM	8.98	9.88
	Low	64QAM	9.01	9.88
	Mid	QPSK	9.01	9.91
	Mid	16QAM	8.98	9.85
	Mid	64QAM	9.0	9.9
	High	QPSK	9.01	9.9
	High	16QAM	8.99	9.87
	High	64QAM	9.01	9.88
15	Low	QPSK	13.49	14.92
	Low	16QAM	13.49	14.98
	Low	64QAM	13.49	15.04
	Mid	QPSK	13.5	14.88
	Mid	16QAM	13.49	14.98
	Mid	64QAM	13.5	14.98
	High	QPSK	13.49	15.1
	High	16QAM	13.52	14.93
	High	64QAM	13.51	14.92
20	Low	QPSK	18.0	19.75
	Low	16QAM	18.03	19.9
	Low	64QAM	18.01	19.92
	Mid	QPSK	17.94	19.23
	Mid	16QAM	18.03	19.94
	Mid	64QAM	17.98	19.8
	High	QPSK	18.02	19.81
	High	16QAM	18.07	19.82
	High	64QAM	18.03	19.85



LTE Band 12				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.08	1.24
	Low	16QAM	1.1	1.25
	Low	64QAM	1.1	1.25
	Mid	QPSK	1.09	1.24
	Mid	16QAM	1.1	1.25
	Mid	64QAM	1.1	1.24
	High	QPSK	1.09	1.25
	High	16QAM	1.1	1.25
	High	64QAM	1.1	1.26
3	Low	QPSK	2.71	3.05
	Low	16QAM	2.72	3.05
	Low	64QAM	2.72	3.04
	Mid	QPSK	2.71	3.04
	Mid	16QAM	2.72	3.06
	Mid	64QAM	2.72	3.06
	High	QPSK	2.72	3.05
	High	16QAM	2.71	3.05
	High	64QAM	2.73	3.05
5	Low	QPSK	4.5	4.98
	Low	16QAM	4.5	5.0
	Low	64QAM	4.49	4.93
	Mid	QPSK	4.5	4.98
	Mid	16QAM	4.5	4.99
	Mid	64QAM	4.49	4.96
	High	QPSK	4.5	4.97
	High	16QAM	4.5	5.0
	High	64QAM	4.5	4.96
10	Low	QPSK	9.02	9.88
	Low	16QAM	8.99	9.86
	Low	64QAM	9.01	9.92
	Mid	QPSK	9.06	9.88
	Mid	16QAM	8.98	9.83
	Mid	64QAM	9.01	9.88
	High	QPSK	9.01	9.86
	High	16QAM	8.96	9.77
	High	64QAM	8.98	9.87



LTE Band 17				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.5	4.97
	Low	16QAM	4.5	5.0
	Low	64QAM	4.5	4.97
	Mid	QPSK	4.5	4.99
	Mid	16QAM	4.5	4.96
	Mid	64QAM	4.5	4.96
	High	QPSK	4.5	4.99
	High	16QAM	4.5	4.98
	High	64QAM	4.5	4.96
10	Low	QPSK	9.01	9.86
	Low	16QAM	8.97	9.84
	Low	64QAM	8.99	9.9
	Mid	QPSK	9.01	9.93
	Mid	16QAM	8.95	9.79
	Mid	64QAM	8.97	9.84
	High	QPSK	9.01	9.85
	High	16QAM	8.95	9.84
	High	64QAM	8.98	9.85



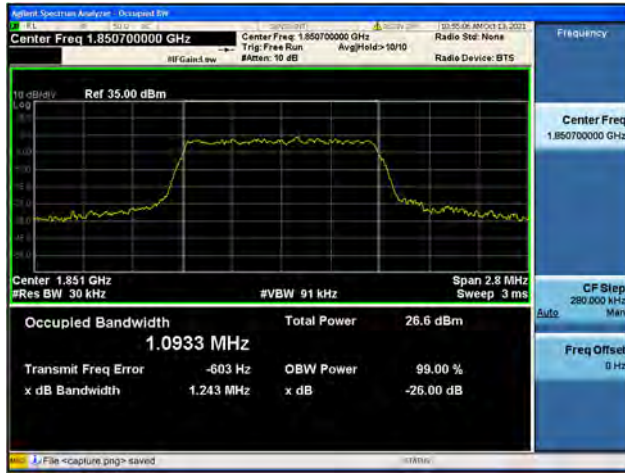
LTE Band 66				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.25
	Low	16QAM	1.09	1.24
	Low	64QAM	1.10	1.24
	Mid	QPSK	1.09	1.24
	Mid	16QAM	1.09	1.25
	Mid	64QAM	1.10	1.24
	High	QPSK	1.09	2.25
	High	16QAM	1.09	1.24
	High	64QAM	1.09	1.25
3	Low	QPSK	2.72	3.05
	Low	16QAM	2.71	3.05
	Low	64QAM	2.71	3.02
	Mid	QPSK	2.72	3.05
	Mid	16QAM	2.73	3.06
	Mid	64QAM	2.72	3.05
	High	QPSK	2.71	3.05
	High	16QAM	2.71	3.05
	High	64QAM	2.71	3.04
5	Low	QPSK	4.49	4.92
	Low	16QAM	4.51	4.98
	Low	64QAM	4.50	4.99
	Mid	QPSK	4.52	4.96
	Mid	16QAM	4.51	4.95
	Mid	64QAM	4.52	4.97
	High	QPSK	4.51	4.96
	High	16QAM	4.52	4.98
	High	64QAM	4.52	4.99
10	Low	QPSK	9.00	9.82
	Low	16QAM	8.98	9.82
	Low	64QAM	8.98	9.83
	Mid	QPSK	8.97	9.84
	Mid	16QAM	8.97	9.77
	Mid	64QAM	9.01	9.79
	High	QPSK	8.97	9.78
	High	16QAM	8.98	9.77
	High	64QAM	9.00	9.82



15	Low	QPSK	13.47	14.74
	Low	16QAM	13.55	14.80
	Low	64QAM	13.46	14.71
	Mid	QPSK	13.47	14.77
	Mid	16QAM	13.46	14.77
	Mid	64QAM	13.46	14.81
	High	QPSK	13.46	14.73
	High	16QAM	13.51	14.89
	High	64QAM	13.47	14.75
20	Low	QPSK	18.02	19.72
	Low	16QAM	18.03	19.64
	Low	64QAM	18.00	19.76
	Mid	QPSK	18.01	19.79
	Mid	16QAM	18.00	19.64
	Mid	64QAM	17.99	19.68
	High	QPSK	18.00	19.67
	High	16QAM	18.00	19.71
	High	64QAM	18.05	19.75



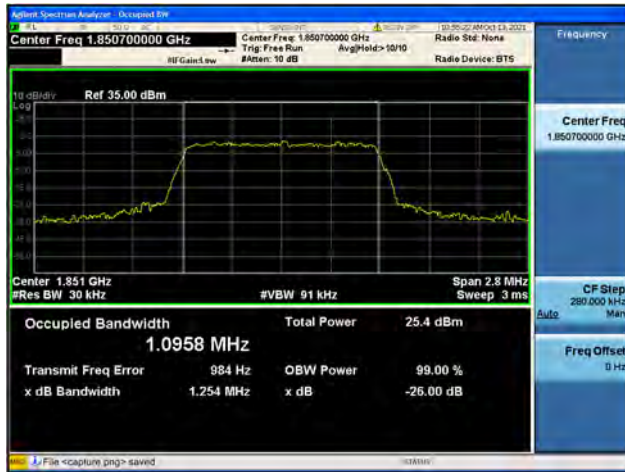
Band2 / 1.4MHz / Low CH / QPSK



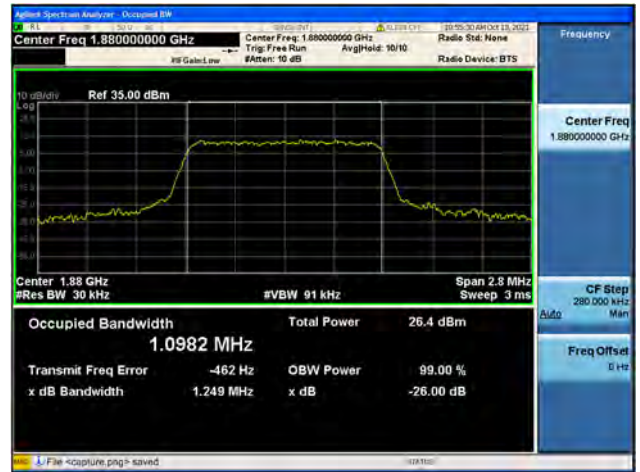
Band2 / 1.4MHz / Low CH / 16QAM



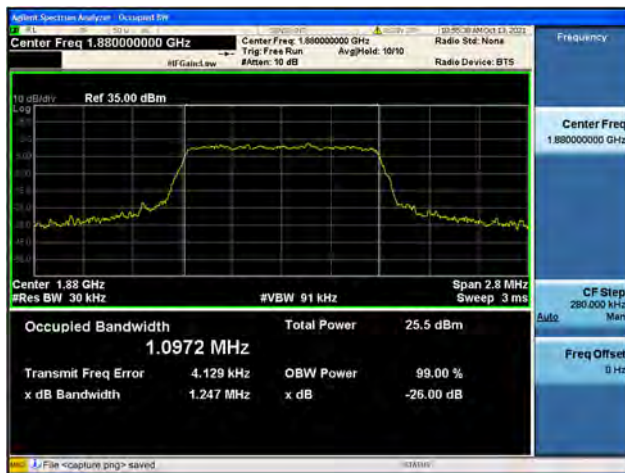
Band2 / 1.4MHz / Low CH / 64QAM



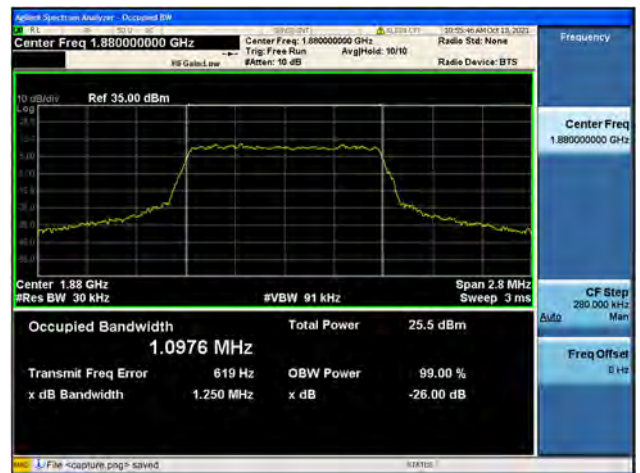
Band2 / 1.4MHz / Mid CH / QPSK



Band2 / 1.4MHz / Mid CH / 16QAM

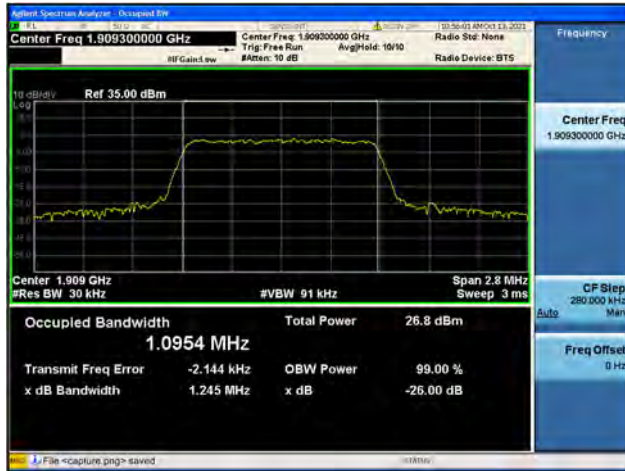


Band2 / 1.4MHz / Mid CH / 64QAM





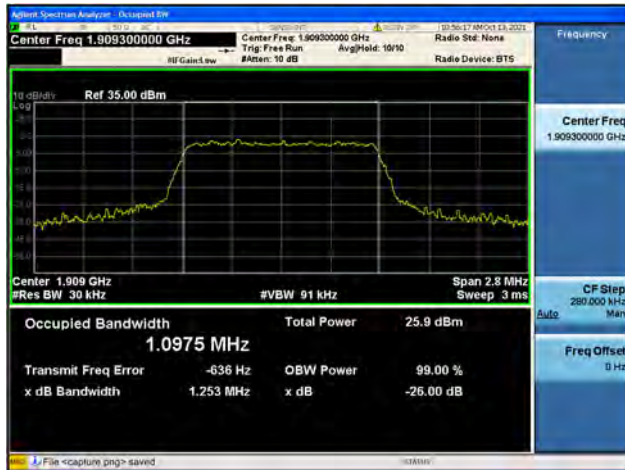
Band2 / 1.4MHz / High CH / QPSK



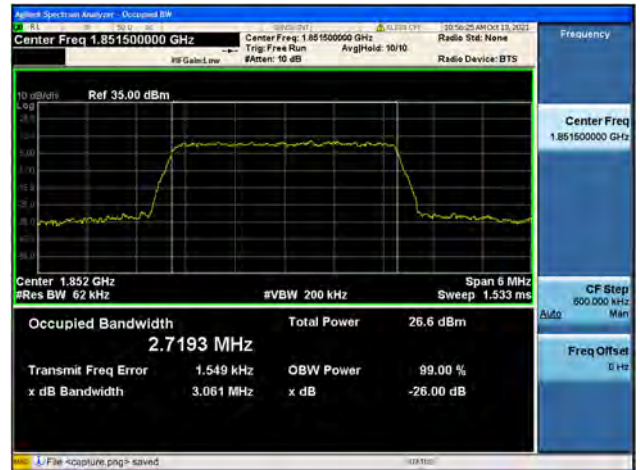
Band2 / 1.4MHz / High CH / 16QAM



Band2 / 1.4MHz / High CH / 64QAM



Band2 / 3MHz / Low CH / QPSK



Band2 / 3MHz / Low CH / 16QAM

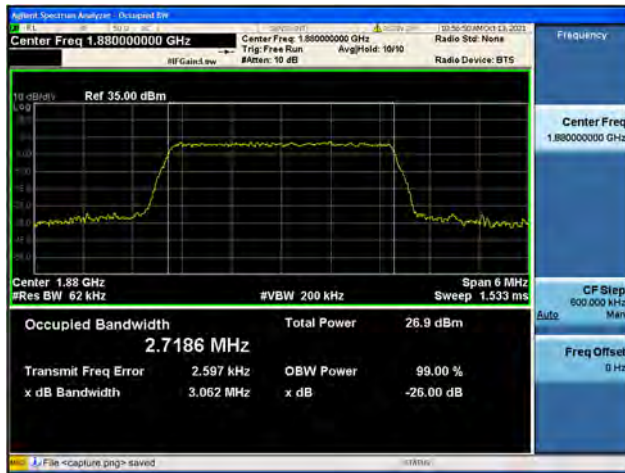


Band2 / 3MHz / Low CH / 64QAM





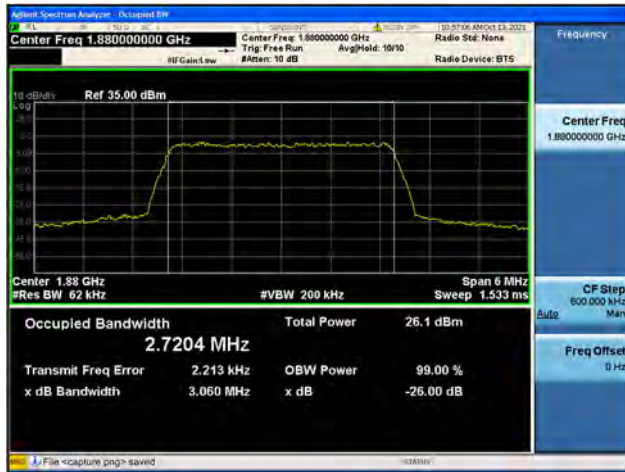
Band2 / 3MHz / Mid CH / QPSK



Band2 / 3MHz / Mid CH / 16QAM



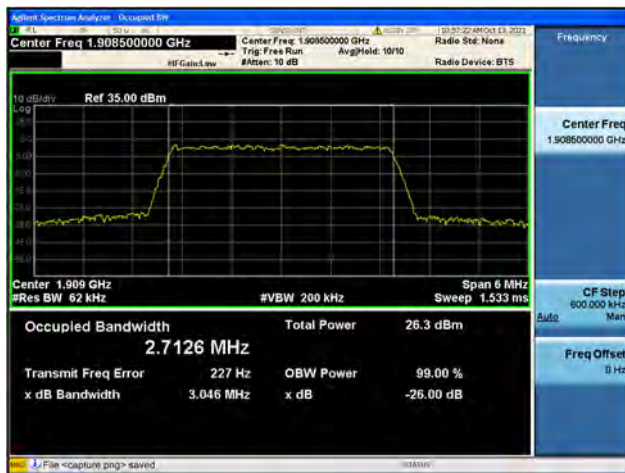
Band2 / 3MHz / Mid CH / 64QAM



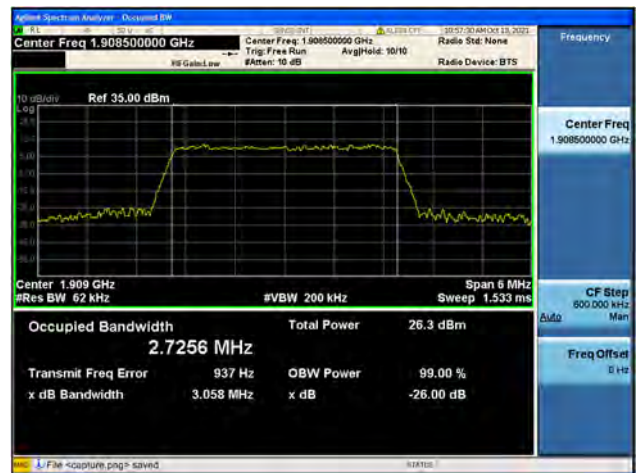
Band2 / 3MHz / High CH / QPSK



Band2 / 3MHz / High CH / 16QAM

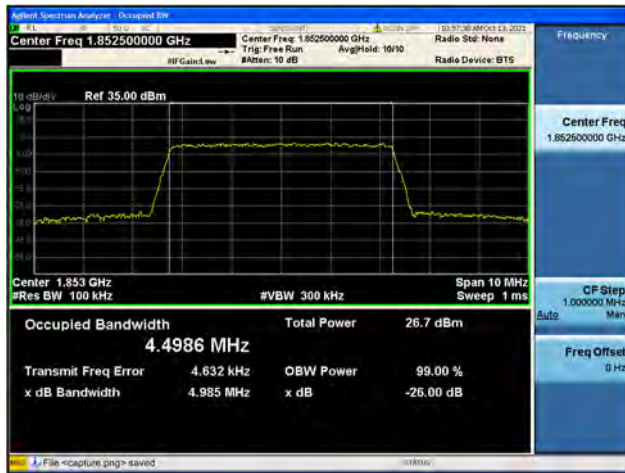


Band2 / 3MHz / High CH / 64QAM

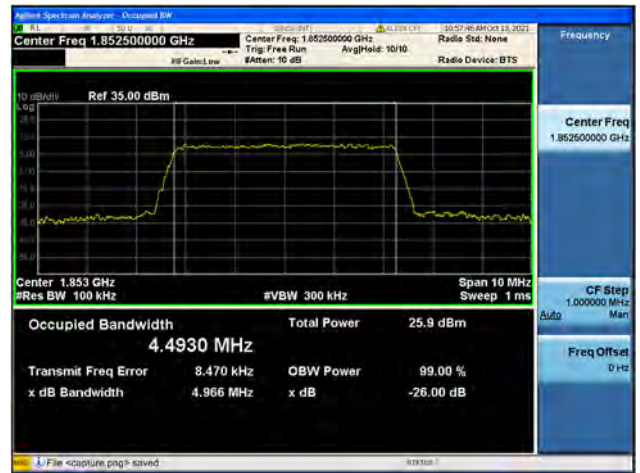




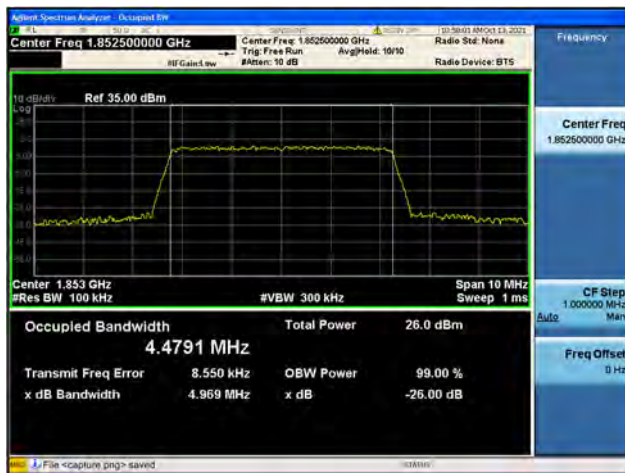
Band2 / 5MHz / Low CH / QPSK



Band2 / 5MHz / Low CH / 16QAM



Band2 / 5MHz / Low CH / 64QAM



Band2 / 5MHz / Mid CH / QPSK



Band2 / 5MHz / Mid CH / 16QAM

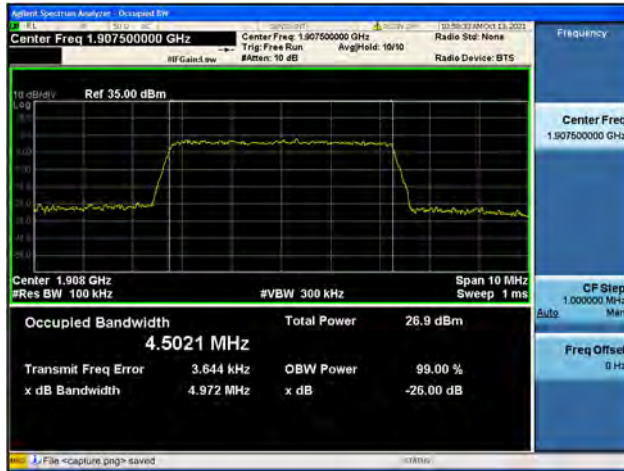


Band2 / 5MHz / Mid CH / 64QAM





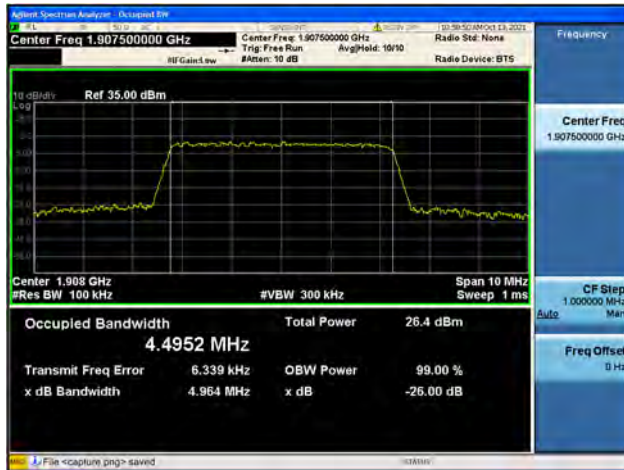
Band2 / 5MHz / High CH / QPSK



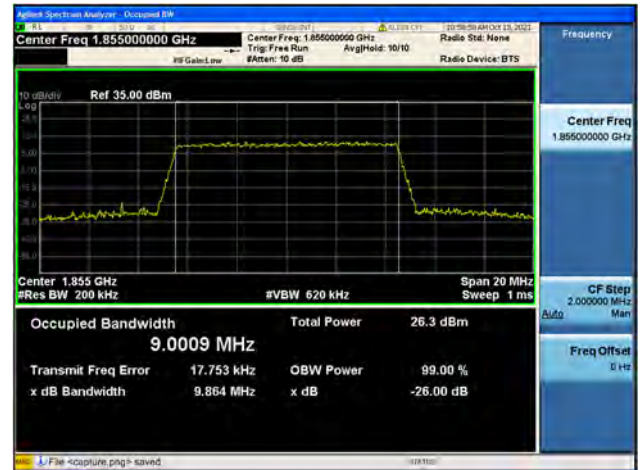
Band2 / 5MHz / High CH / 16QAM



Band2 / 5MHz / High CH / 64QAM



Band2 / 10MHz / Low CH / QPSK



Band2 / 10MHz / Low CH / 16QAM

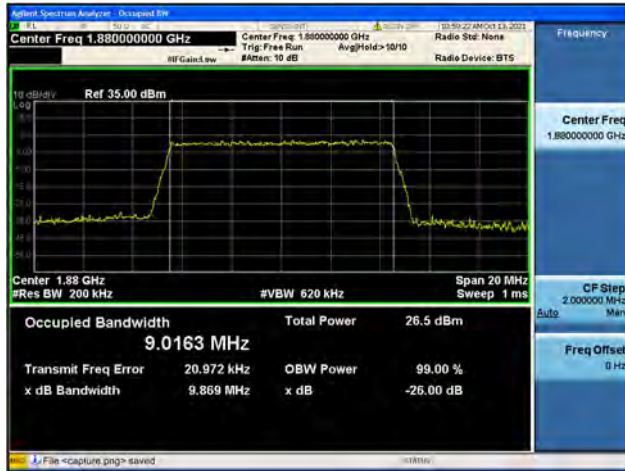


Band2 / 10MHz / Low CH / 64QAM

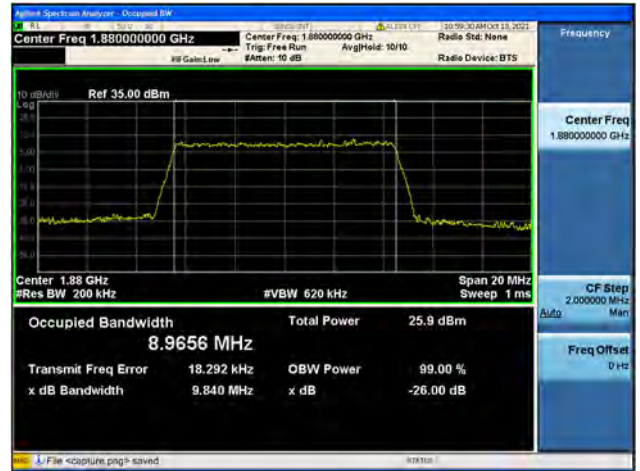




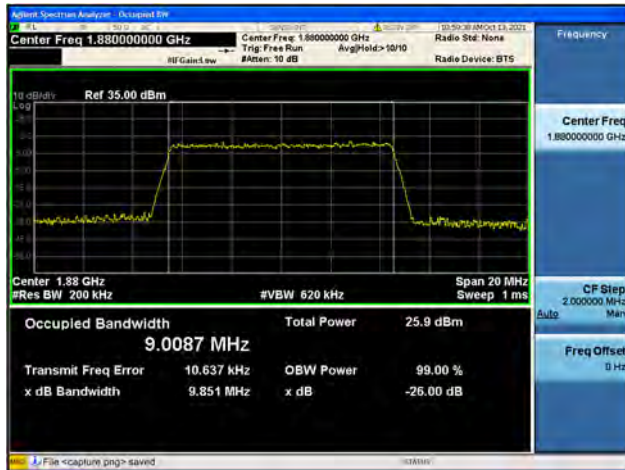
Band2 / 10MHz / Mid CH / QPSK



Band2 / 10MHz / Mid CH / 16QAM



Band2 / 10MHz / Mid CH / 64QAM



Band2 / 10MHz / High CH / QPSK



Band2 / 10MHz / High CH / 16QAM

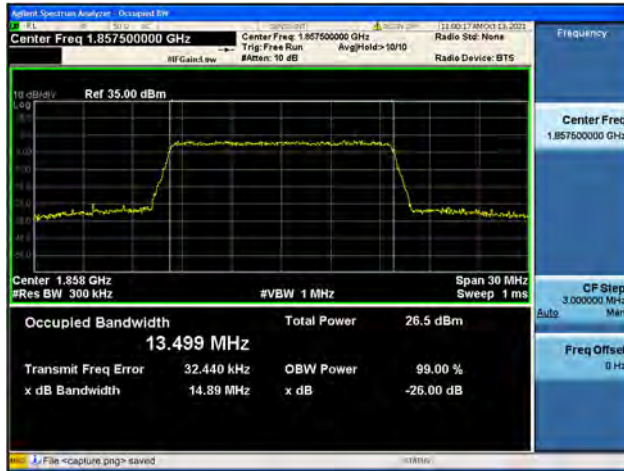


Band2 / 10MHz / High CH / 64QAM

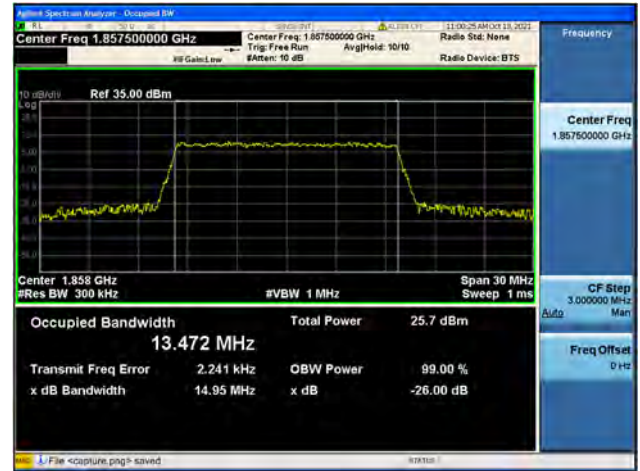




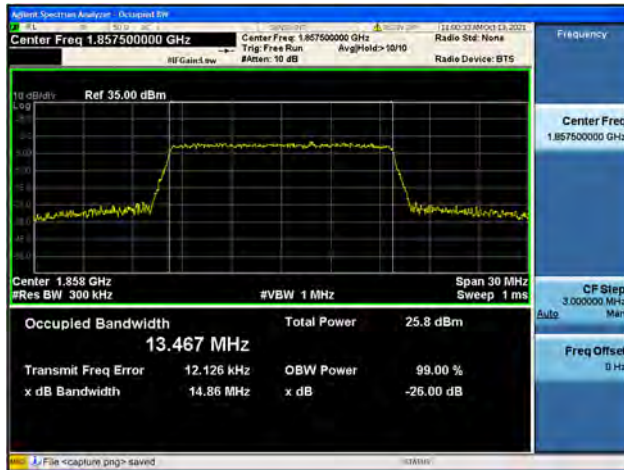
Band2 / 15MHz / Low CH / QPSK



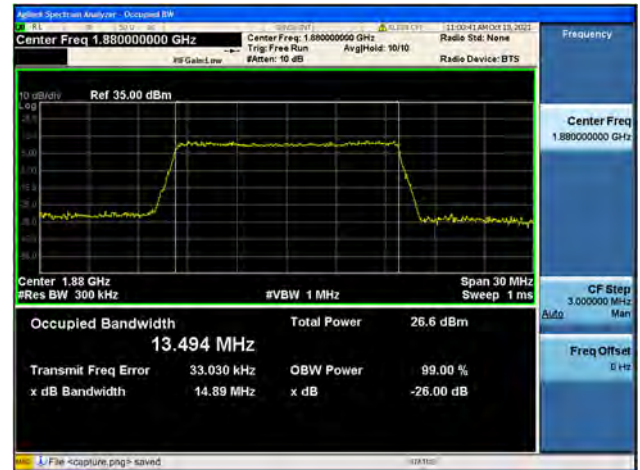
Band2 / 15MHz / Low CH / 16QAM



Band2 / 15MHz / Low CH / 64QAM



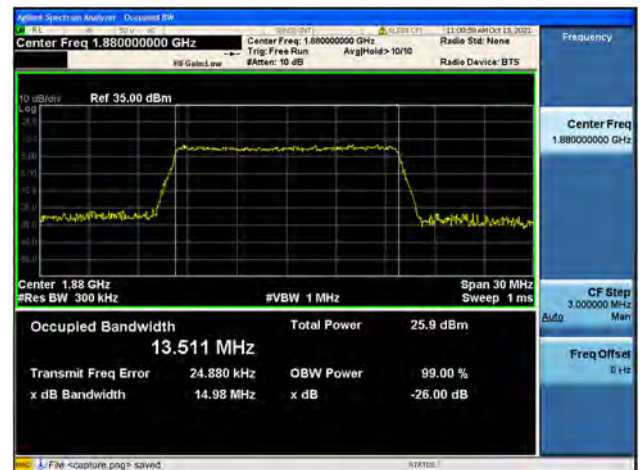
Band2 / 15MHz / Mid CH / QPSK



Band2 / 15MHz / Mid CH / 16QAM

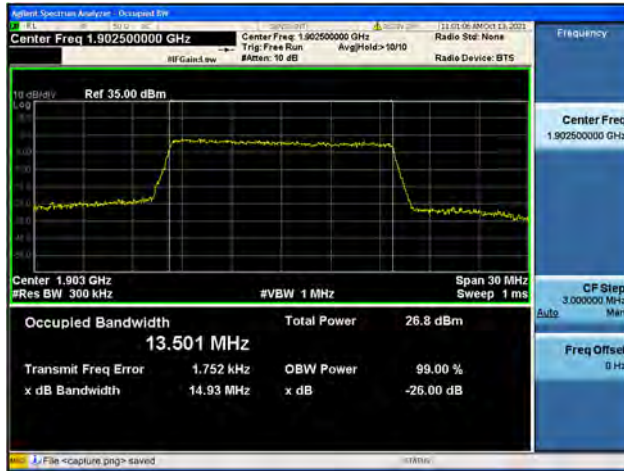


Band2 / 15MHz / Mid CH / 64QAM





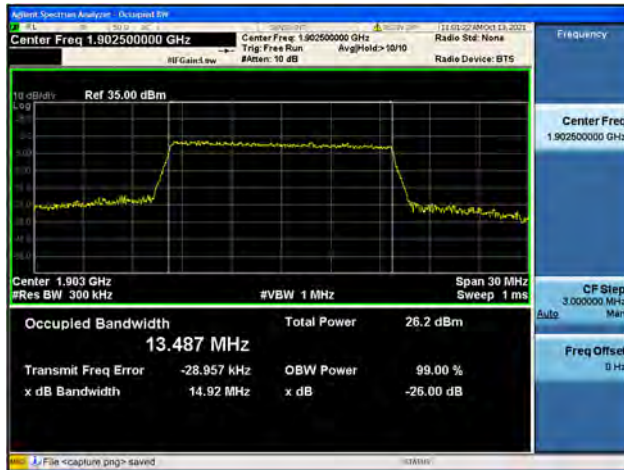
Band2 / 15MHz / High CH / QPSK



Band2 / 15MHz / High CH / 16QAM



Band2 / 15MHz / High CH / 64QAM



Band2 / 20MHz / Low CH / QPSK



Band2 / 20MHz / Low CH / 16QAM

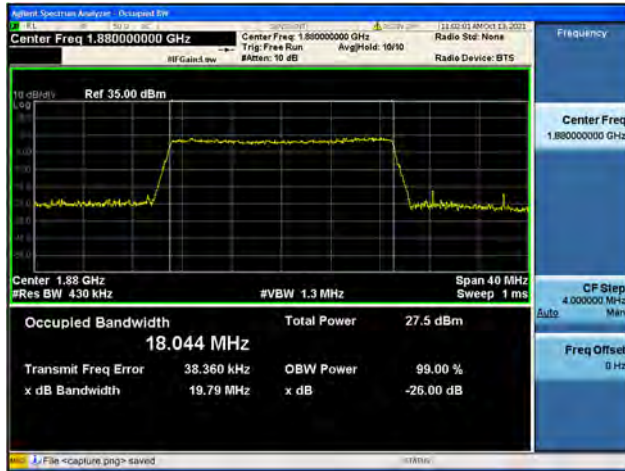


Band2 / 20MHz / Low CH / 64QAM





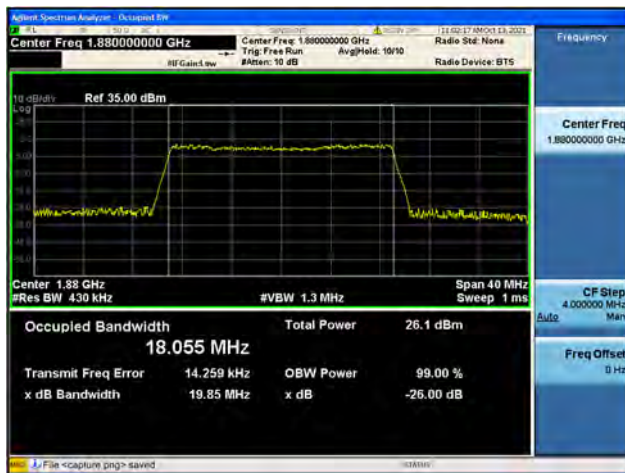
Band2 / 20MHz / Mid CH / QPSK



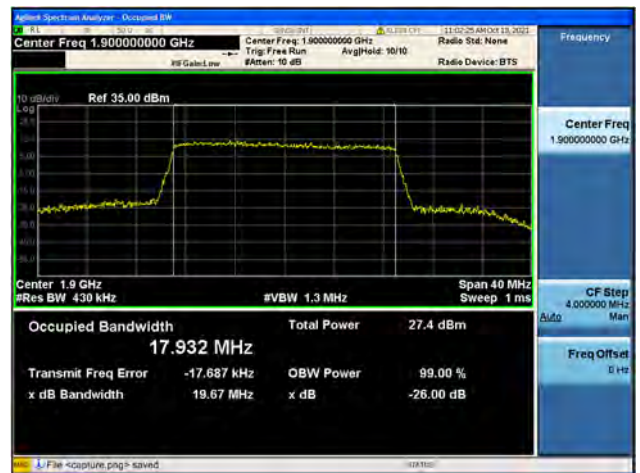
Band2 / 20MHz / Mid CH / 16QAM



Band2 / 20MHz / Mid CH / 64QAM



Band2 / 20MHz / High CH / QPSK



Band2 / 20MHz / High CH / 16QAM

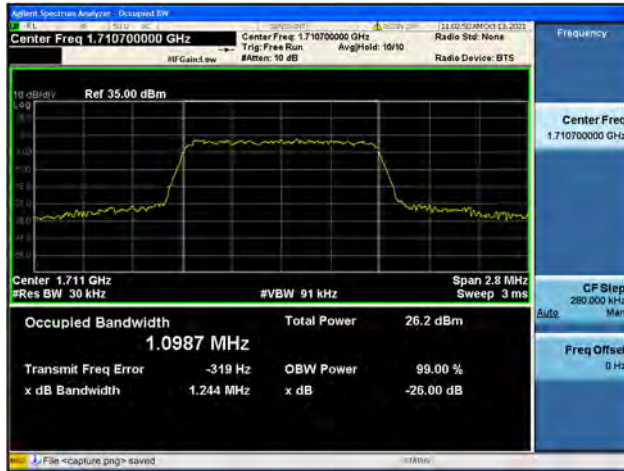


Band2 / 20MHz / High CH / 64QAM

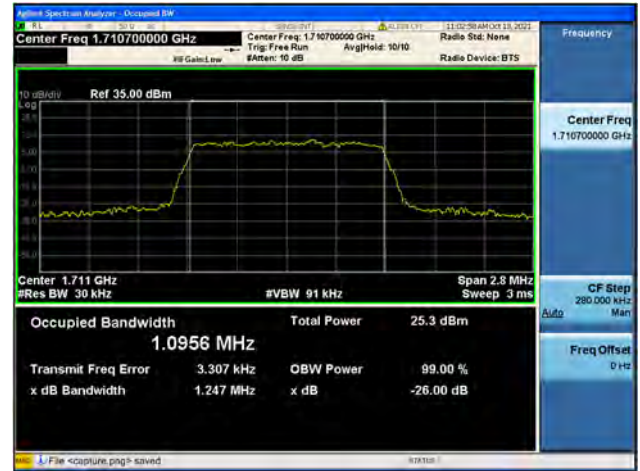




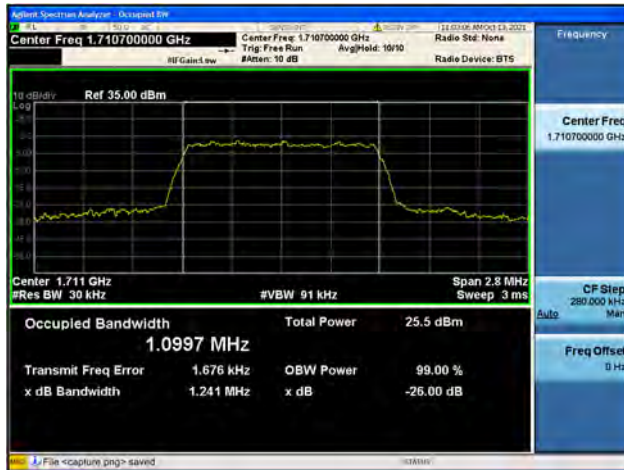
Band4 / 1.4MHz / Low CH / QPSK



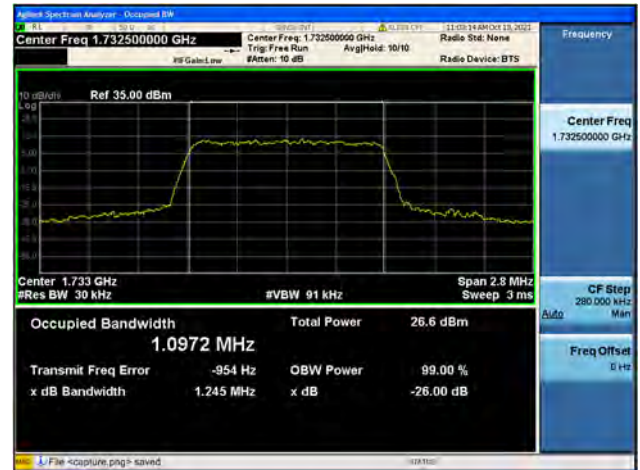
Band4 / 1.4MHz / Low CH / 16QAM



Band4 / 1.4MHz / Low CH / 64QAM



Band4 / 1.4MHz / Mid CH / QPSK



Band4 / 1.4MHz / Mid CH / 16QAM

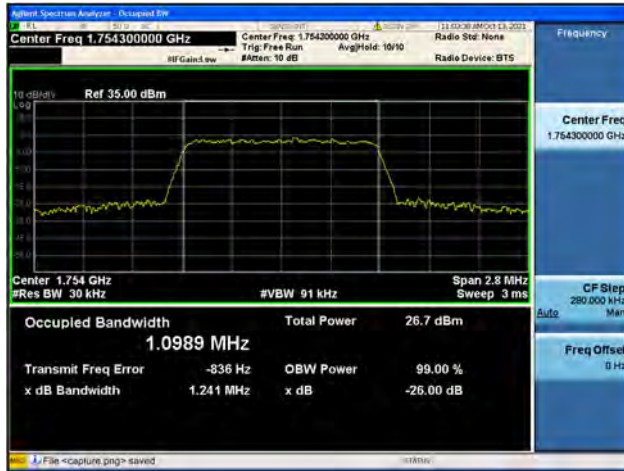


Band4 / 1.4MHz / Mid CH / 64QAM

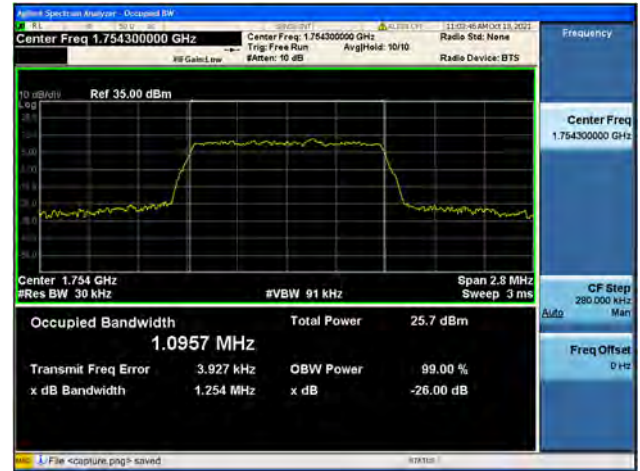




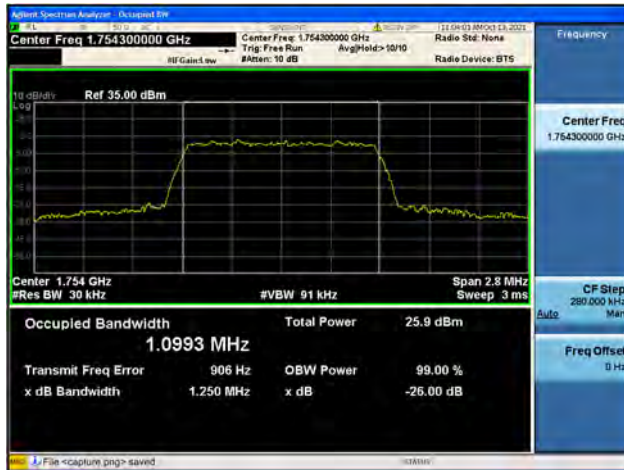
Band4 / 1.4MHz / High CH / QPSK



Band4 / 1.4MHz / High CH / 16QAM



Band4 / 1.4MHz / High CH / 64QAM



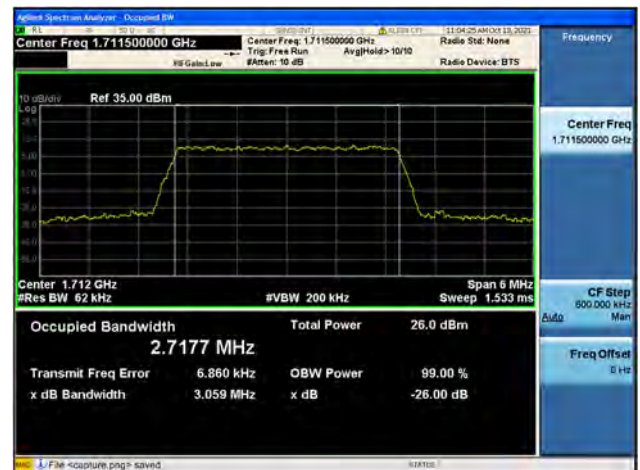
Band4 / 3MHz / Low CH / QPSK



Band4 / 3MHz / Low CH / 16QAM

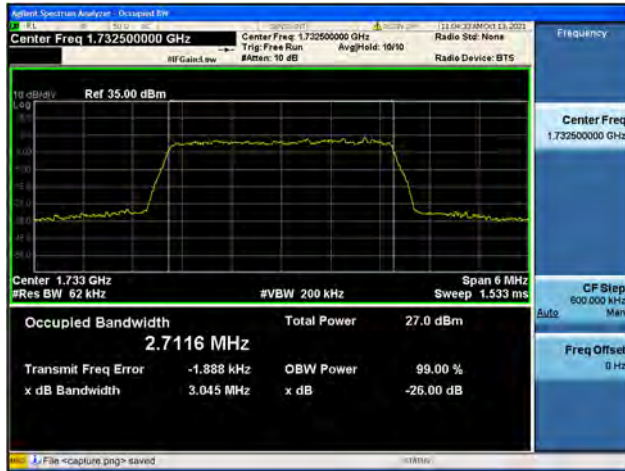


Band4 / 3MHz / Low CH / 64QAM





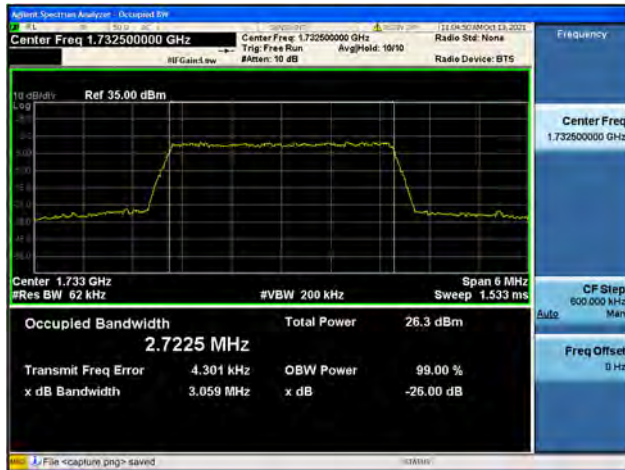
Band4 / 3MHz / Mid CH / QPSK



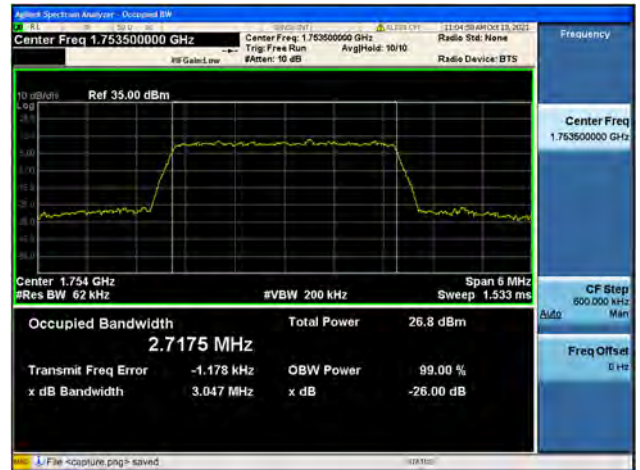
Band4 / 3MHz / Mid CH / 16QAM



Band4 / 3MHz / Mid CH / 64QAM



Band4 / 3MHz / High CH / QPSK



Band4 / 3MHz / High CH / 16QAM



Band4 / 3MHz / High CH / 64QAM





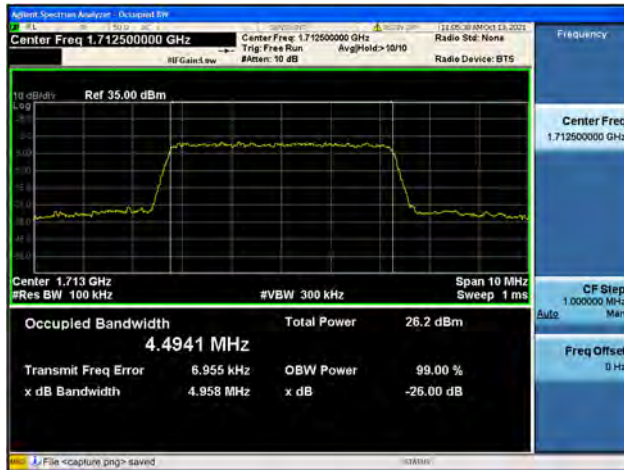
Band4 / 5MHz / Low CH / QPSK



Band4 / 5MHz / Low CH / 16QAM



Band4 / 5MHz / Low CH / 64QAM



Band4 / 5MHz / Mid CH / QPSK



Band4 / 5MHz / Mid CH / 16QAM

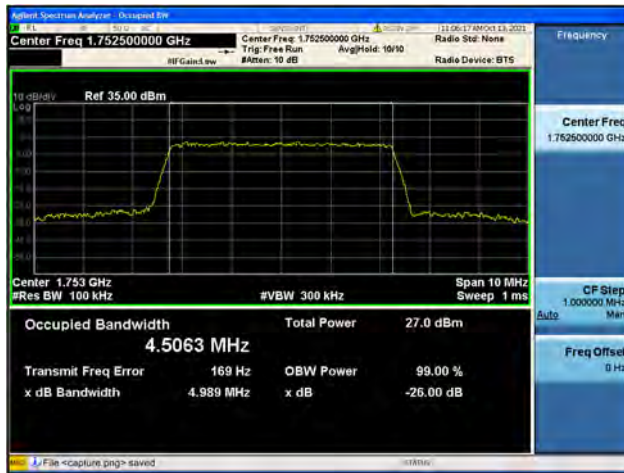


Band4 / 5MHz / Mid CH / 64QAM

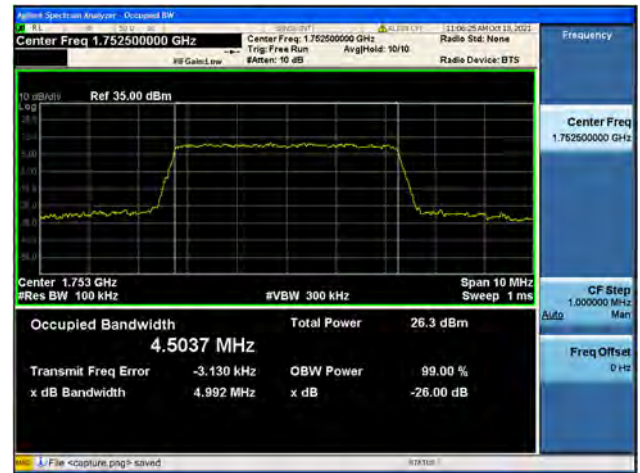




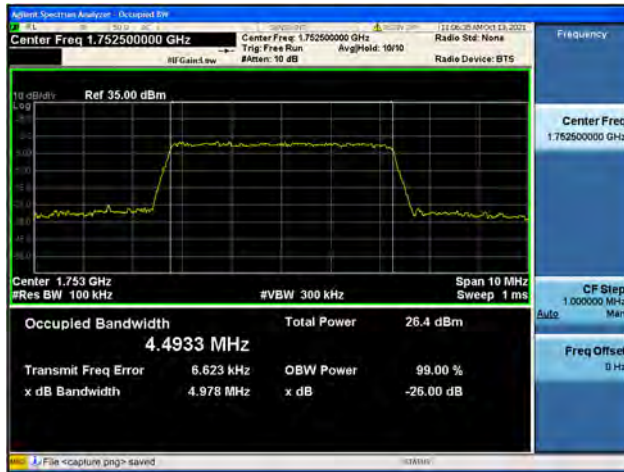
Band4 / 5MHz / High CH / QPSK



Band4 / 5MHz / High CH / 16QAM



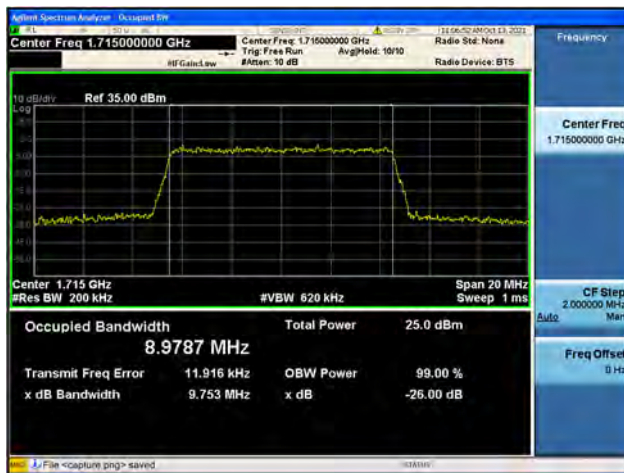
Band4 / 5MHz / High CH / 64QAM



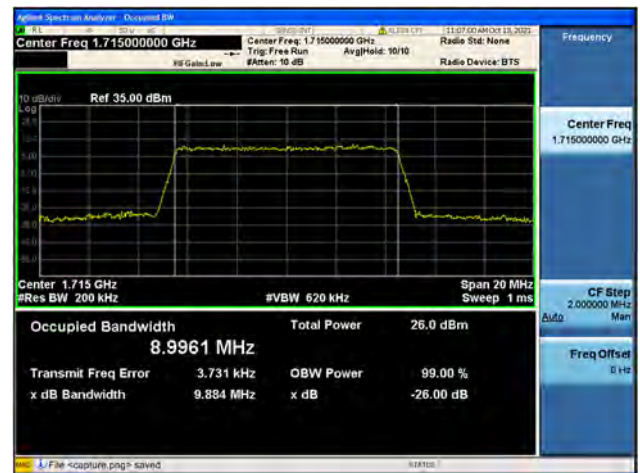
Band4 / 10MHz / Low CH / QPSK



Band4 / 10MHz / Low CH / 16QAM



Band4 / 10MHz / Low CH / 64QAM





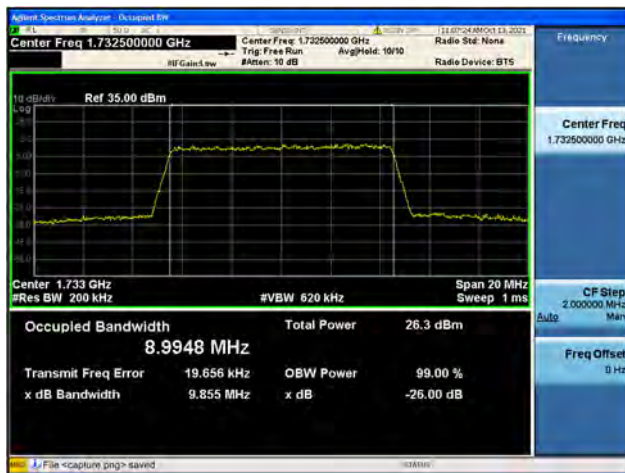
Band4 / 10MHz / Mid CH / QPSK



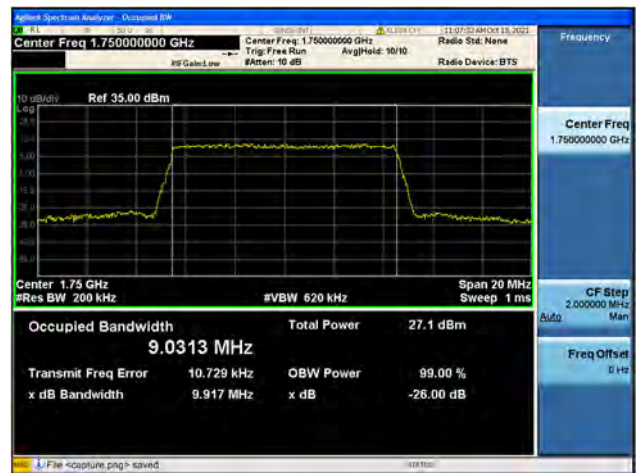
Band4 / 10MHz / Mid CH / 16QAM



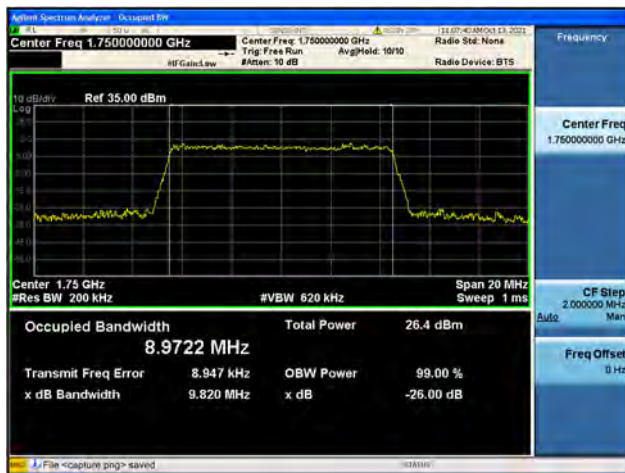
Band4 / 10MHz / Mid CH / 64QAM



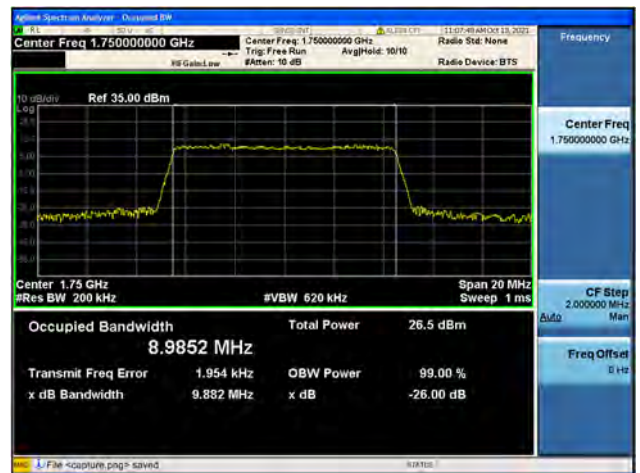
Band4 / 10MHz / High CH / QPSK



Band4 / 10MHz / High CH / 16QAM

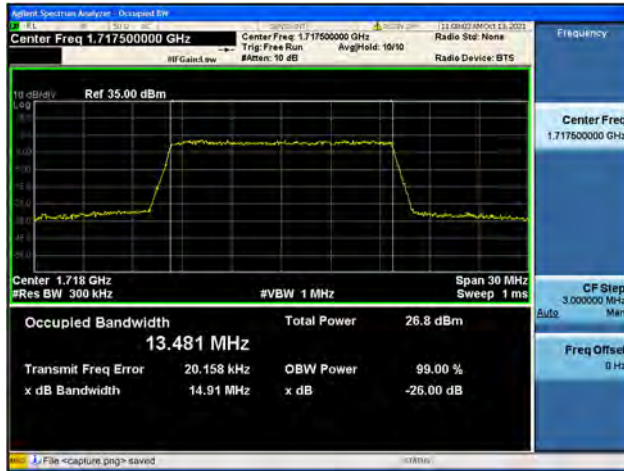


Band4 / 10MHz / High CH / 64QAM

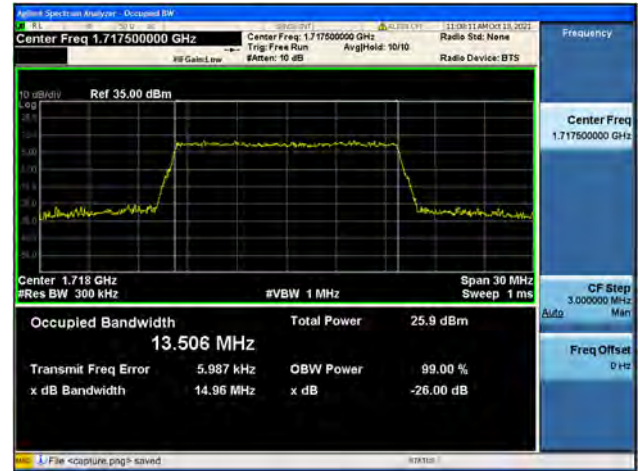




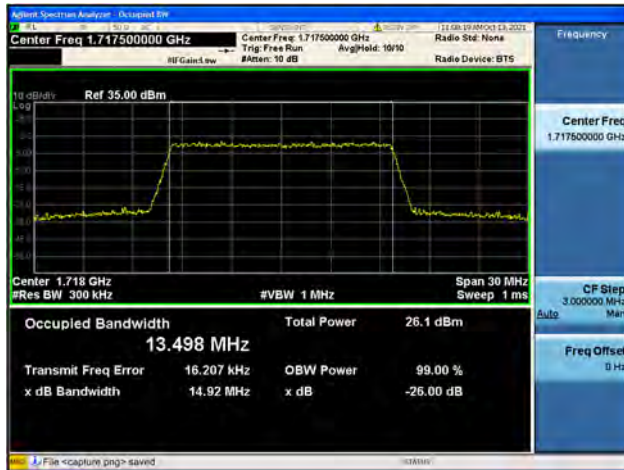
Band4 / 15MHz / Low CH / QPSK



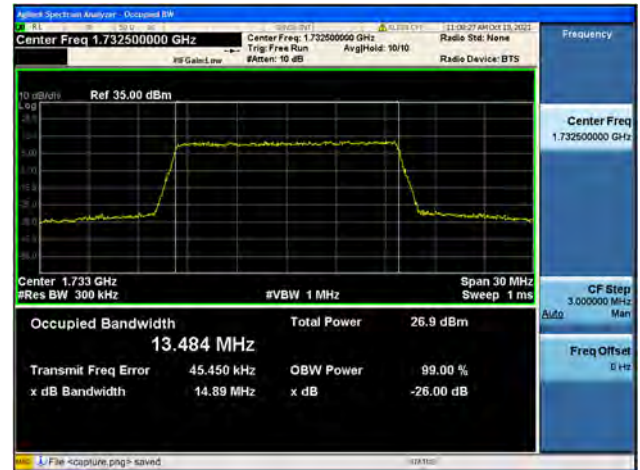
Band4 / 15MHz / Low CH / 16QAM



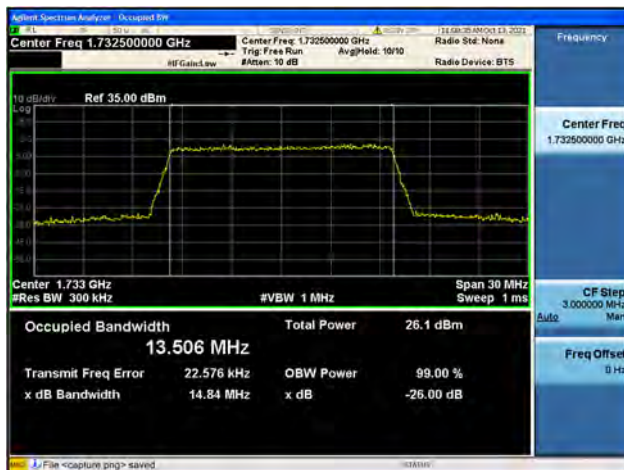
Band4 / 15MHz / Low CH / 64QAM



Band4 / 15MHz / Mid CH / QPSK



Band4 / 15MHz / Mid CH / 16QAM



Band4 / 15MHz / Mid CH / 64QAM

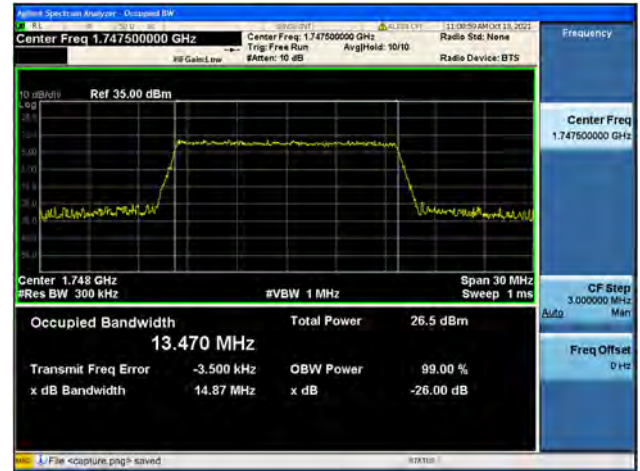




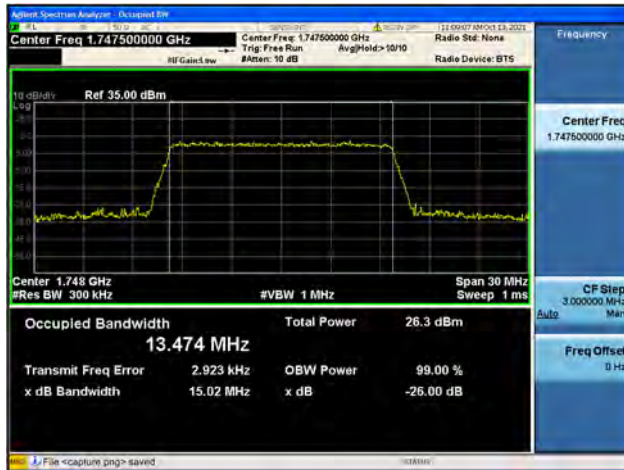
Band4 / 15MHz / High CH / QPSK



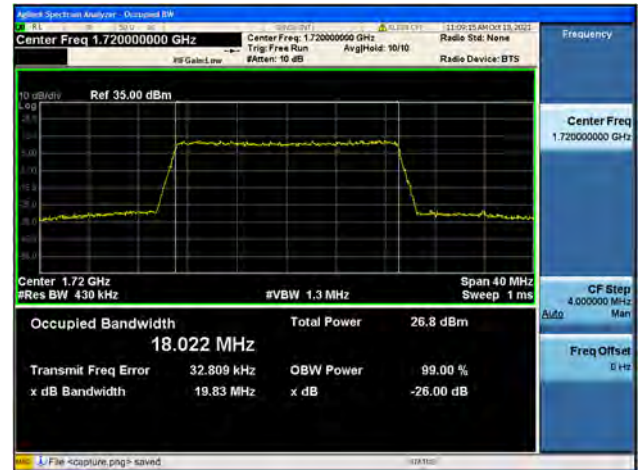
Band4 / 15MHz / High CH / 16QAM



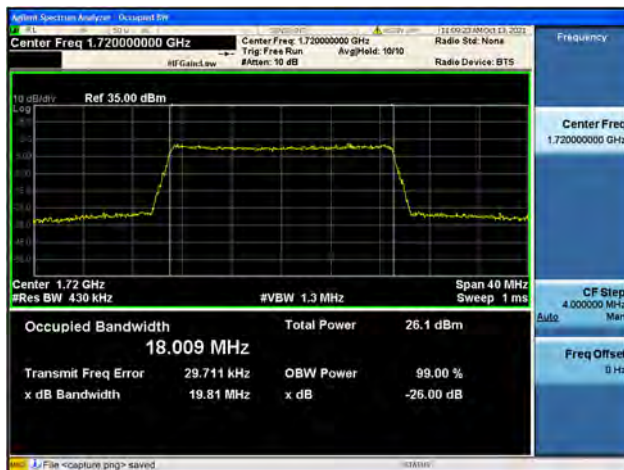
Band4 / 15MHz / High CH / 64QAM



Band4 / 20MHz / Low CH / QPSK



Band4 / 20MHz / Low CH / 16QAM

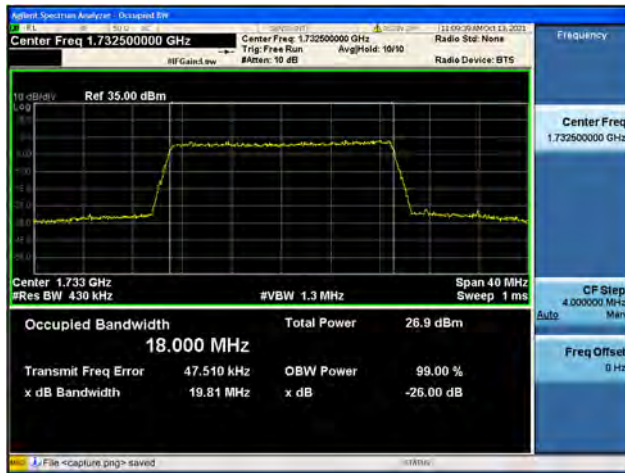


Band4 / 20MHz / Low CH / 64QAM

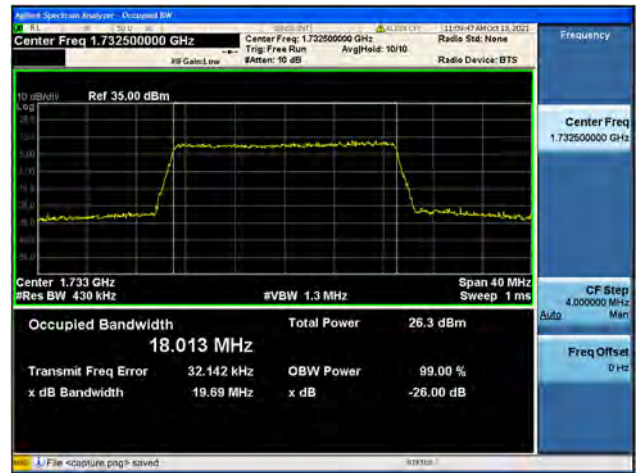




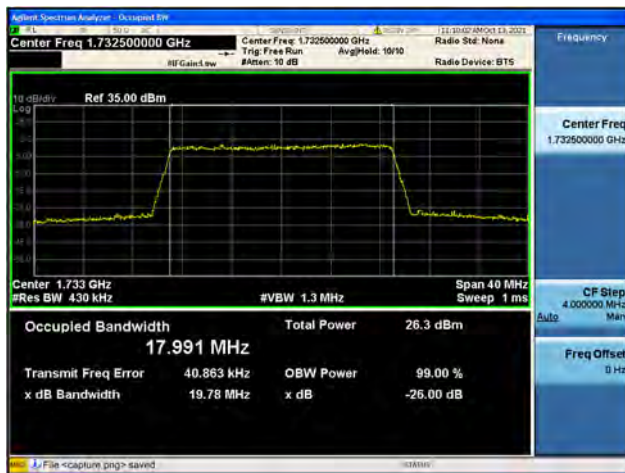
Band4 / 20MHz / Mid CH / QPSK



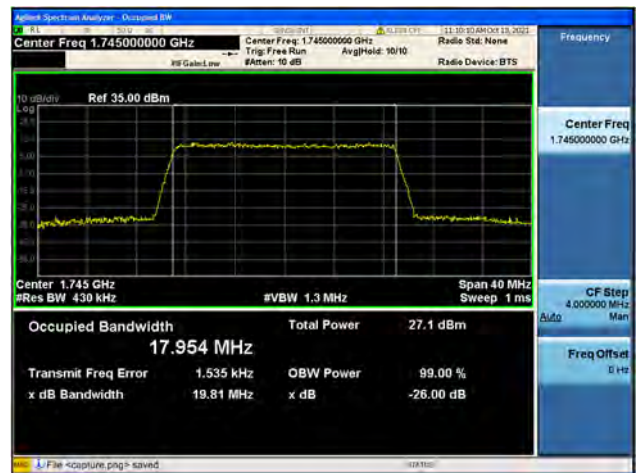
Band4 / 20MHz / Mid CH / 16QAM



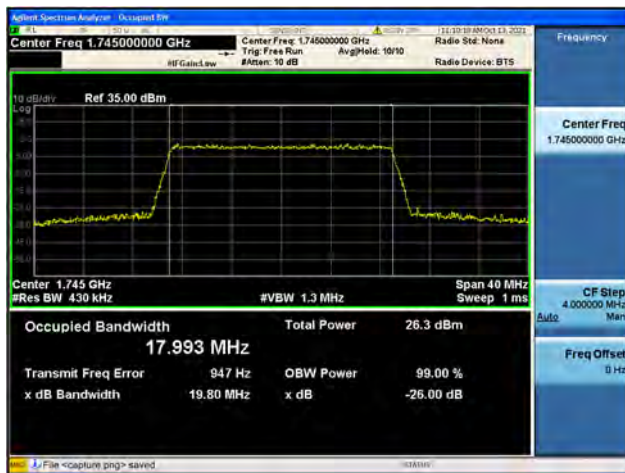
Band4 / 20MHz / Mid CH / 64QAM



Band4 / 20MHz / High CH / QPSK



Band4 / 20MHz / High CH / 16QAM



Band4 / 20MHz / High CH / 64QAM





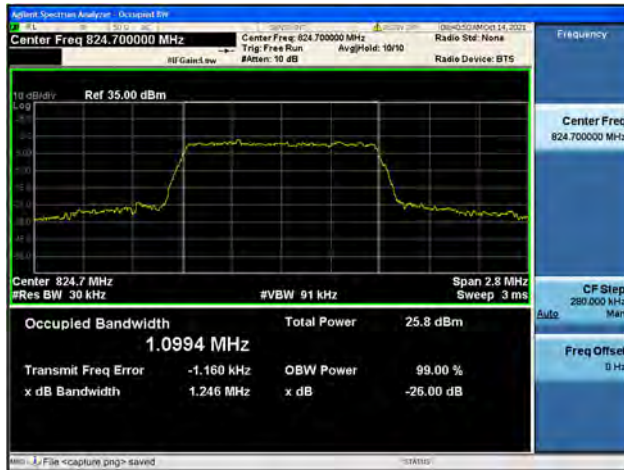
Band5 / 1.4MHz / Low CH / QPSK



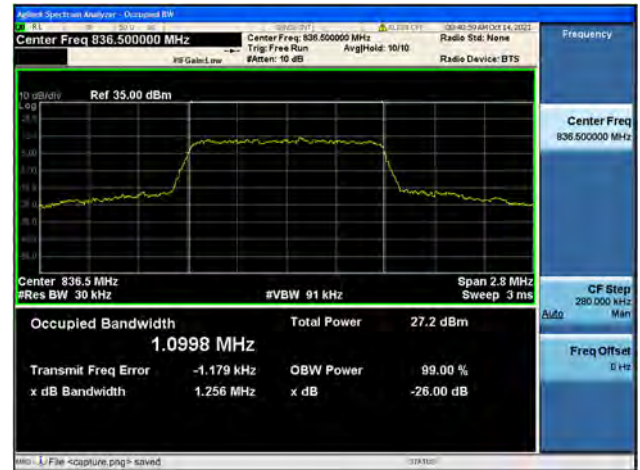
Band5 / 1.4MHz / Low CH / 16QAM



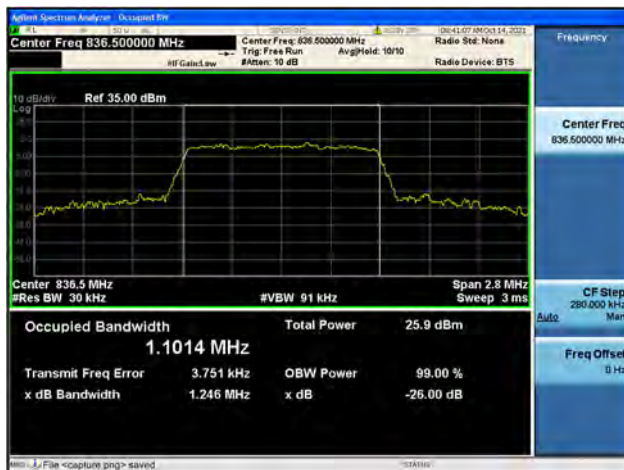
Band5 / 1.4MHz / Low CH / 64QAM



Band5 / 1.4MHz / Mid CH / QPSK



Band5 / 1.4MHz / Mid CH / 16QAM

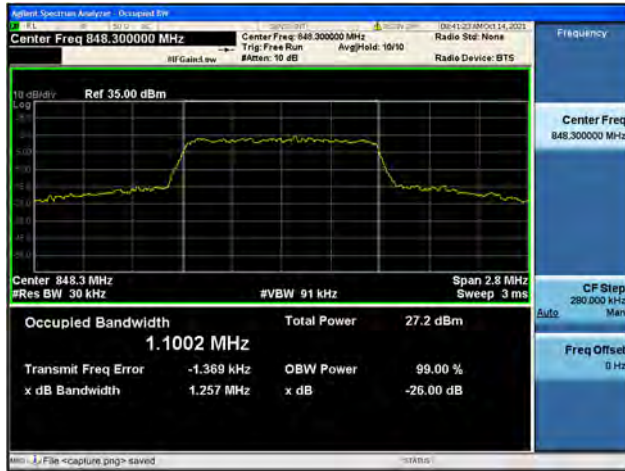


Band5 / 1.4MHz / Mid CH / 64QAM

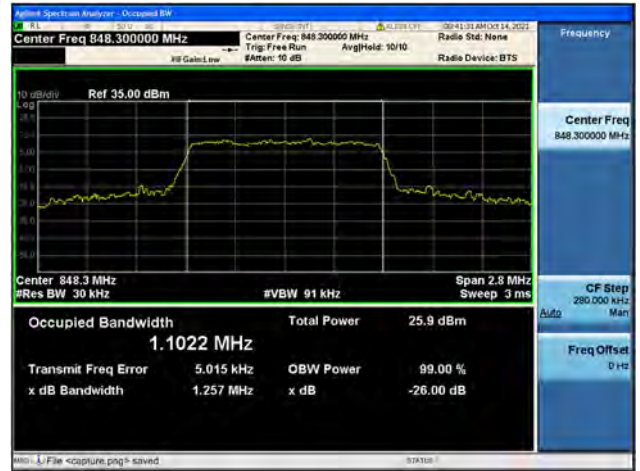




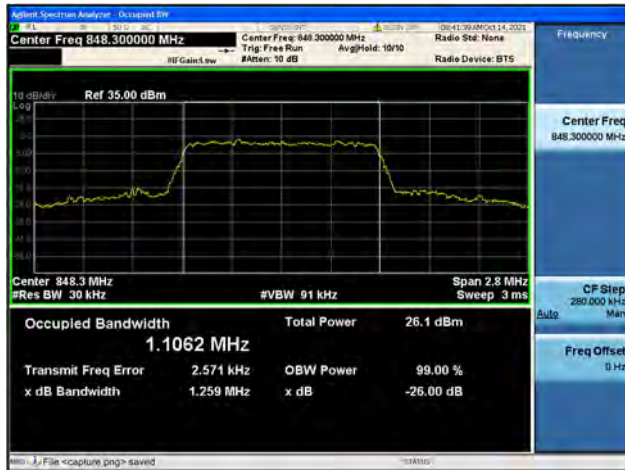
Band5 / 1.4MHz / High CH / QPSK



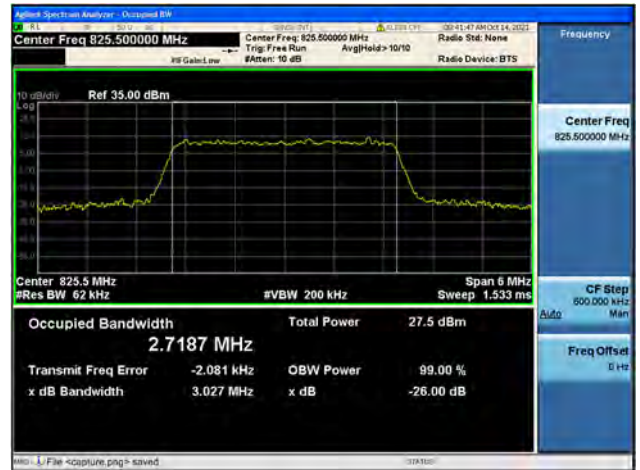
Band5 / 1.4MHz / High CH / 16QAM



Band5 / 1.4MHz / High CH / 64QAM



Band5 / 3MHz / Low CH / QPSK



Band5 / 3MHz / Low CH / 16QAM

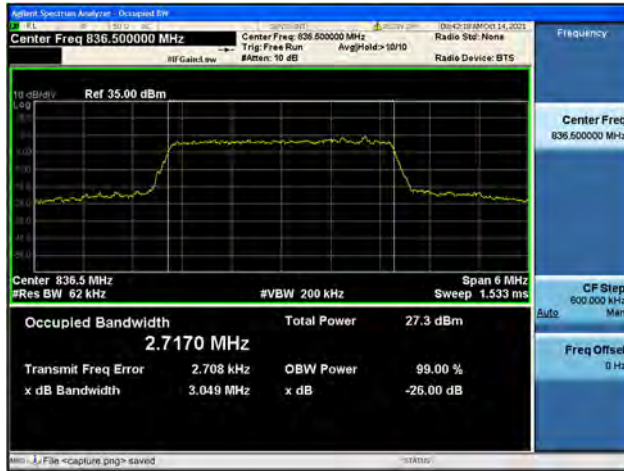


Band5 / 3MHz / Low CH / 64QAM

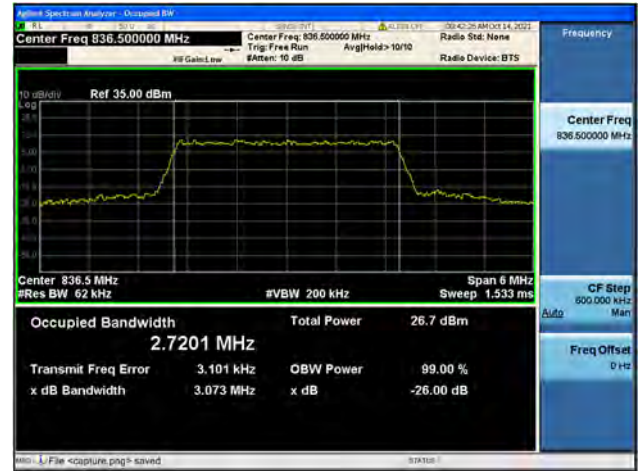




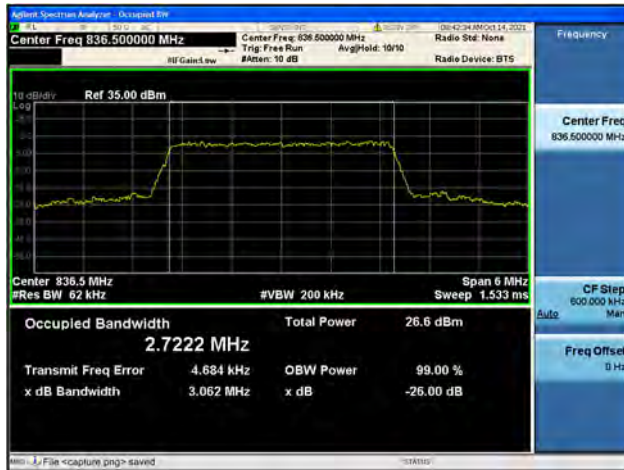
Band5 / 3MHz / Mid CH / QPSK



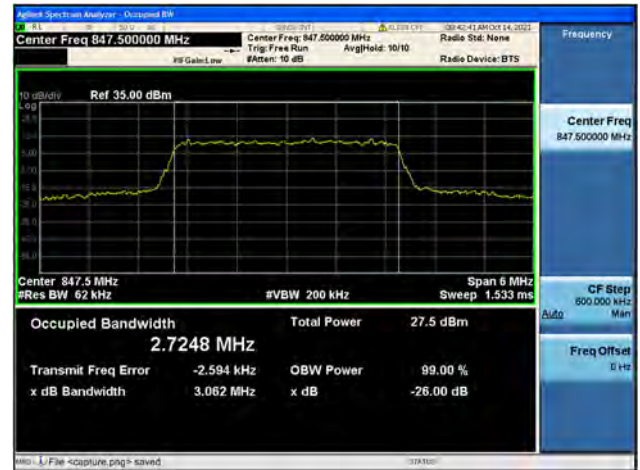
Band5 / 3MHz / Mid CH / 16QAM



Band5 / 3MHz / Mid CH / 64QAM



Band5 / 3MHz / High CH / QPSK



Band5 / 3MHz / High CH / 16QAM



Band5 / 3MHz / High CH / 64QAM

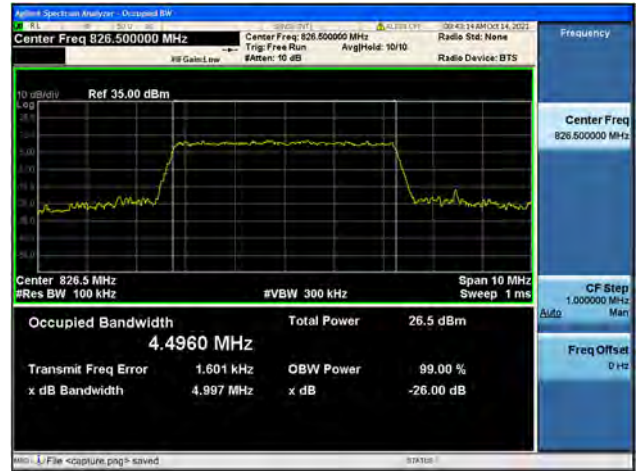




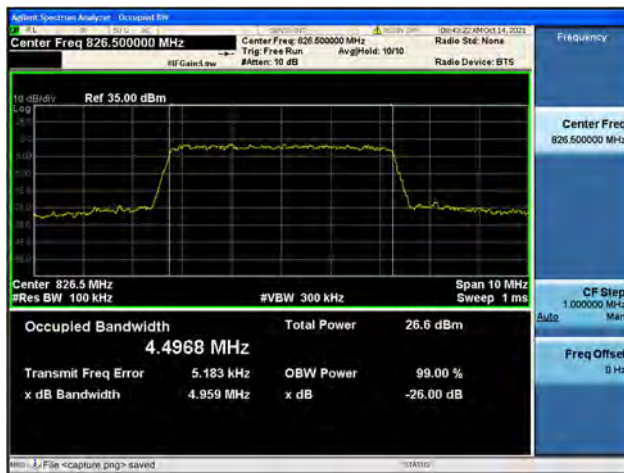
Band5 / 5MHz / Low CH / QPSK



Band5 / 5MHz / Low CH / 16QAM



Band5 / 5MHz / Low CH / 64QAM



Band5 / 5MHz / Mid CH / QPSK



Band5 / 5MHz / Mid CH / 16QAM

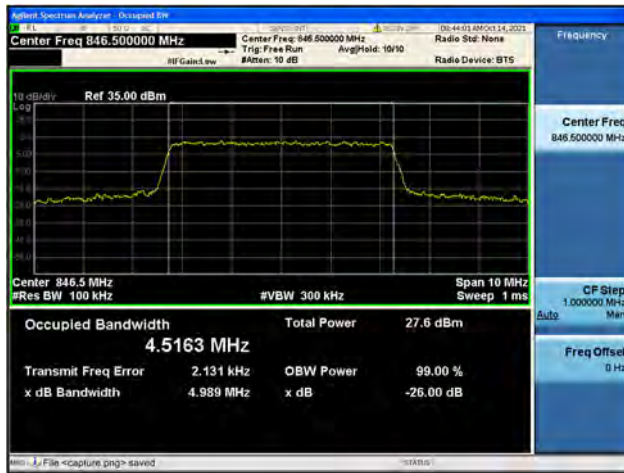


Band5 / 5MHz / Mid CH / 64QAM

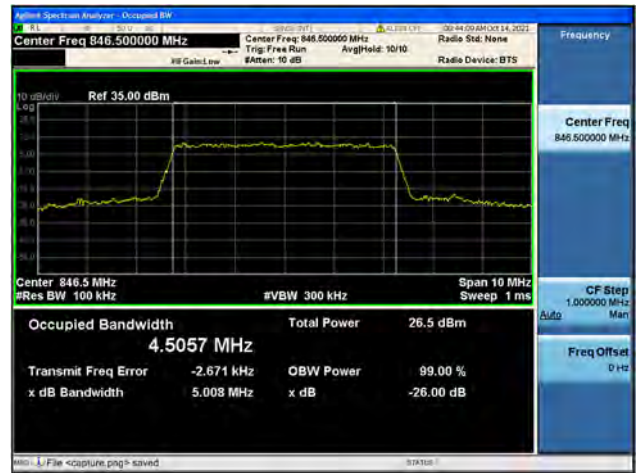




Band5 / 5MHz / High CH / QPSK



Band5 / 5MHz / High CH / 16QAM



Band5 / 5MHz / High CH / 64QAM



Band5 / 10MHz / Low CH / QPSK



Band5 / 10MHz / Low CH / 16QAM

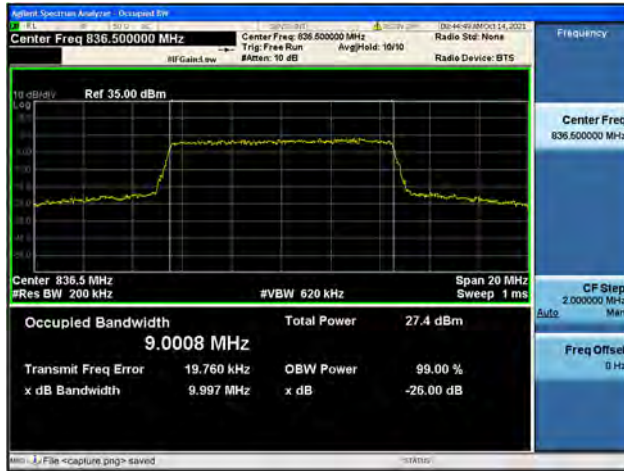


Band5 / 10MHz / Low CH / 64QAM





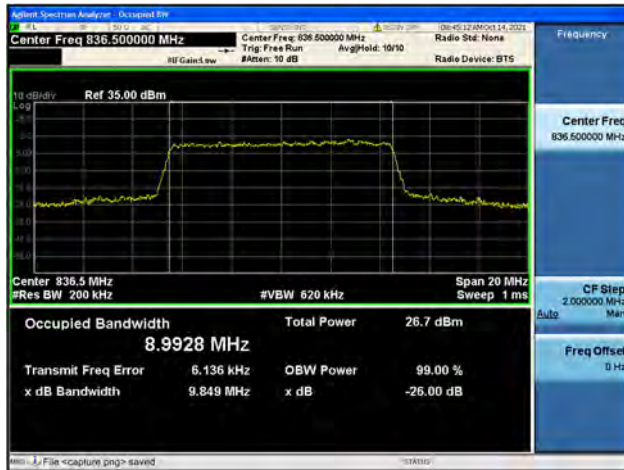
Band5 / 10MHz / Mid CH / QPSK



Band5 / 10MHz / Mid CH / 16QAM



Band5 / 10MHz / Mid CH / 64QAM



Band5 / 10MHz / High CH / QPSK



Band5 / 10MHz / High CH / 16QAM



Band5 / 10MHz / High CH / 64QAM

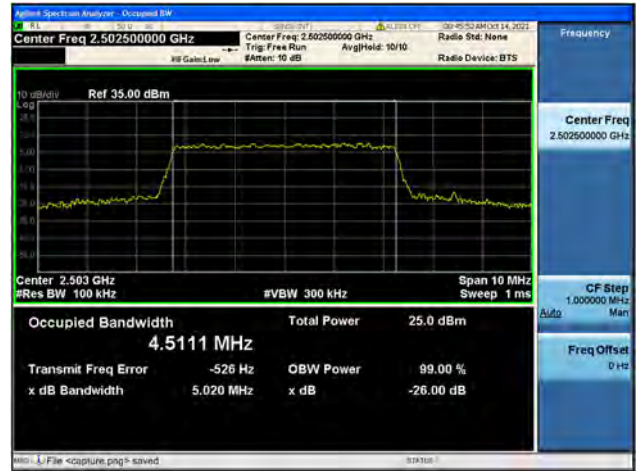




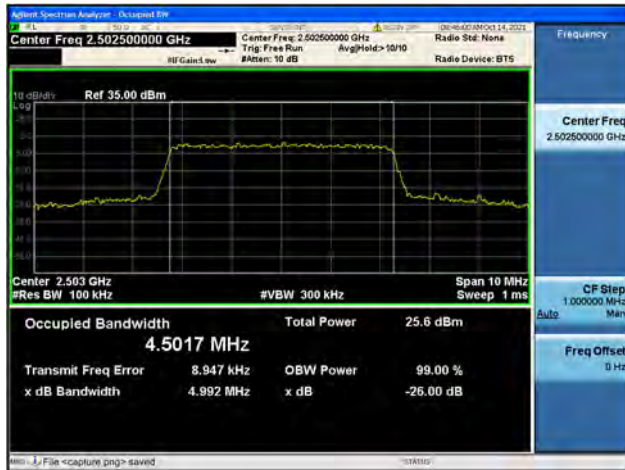
Band7 / 5MHz / Low CH / QPSK



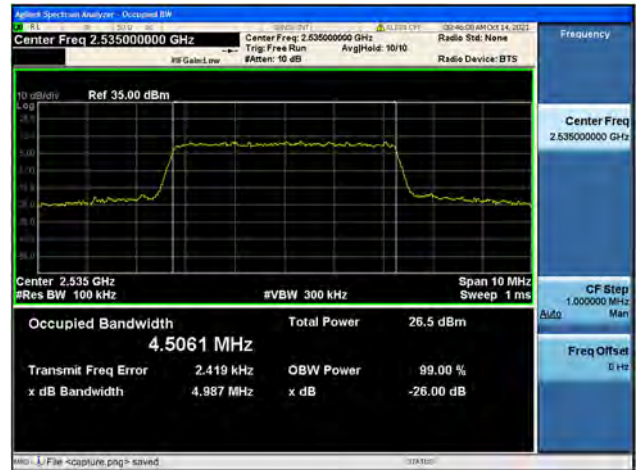
Band7 / 5MHz / Low CH / 16QAM



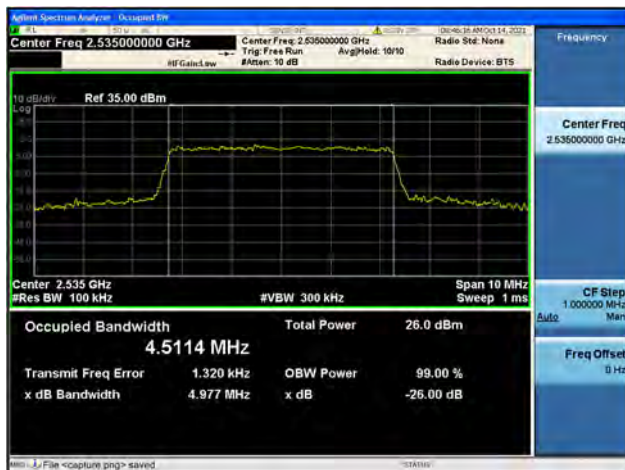
Band7 / 5MHz / Low CH / 64QAM



Band7 / 5MHz / Mid CH / QPSK

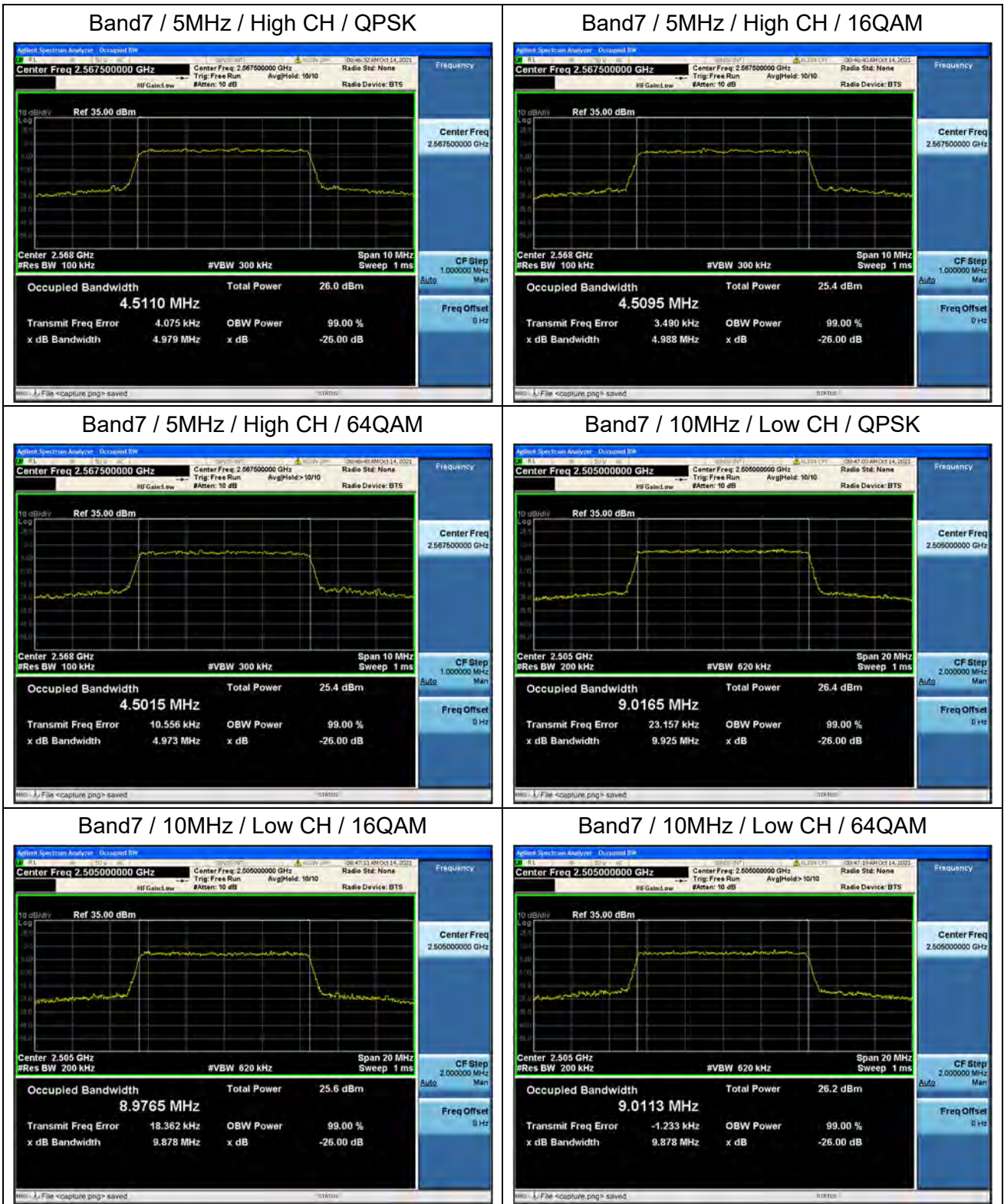


Band7 / 5MHz / Mid CH / 16QAM



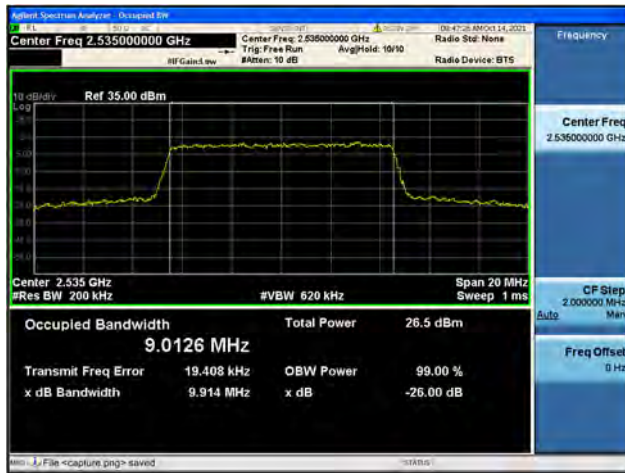
Band7 / 5MHz / Mid CH / 64QAM







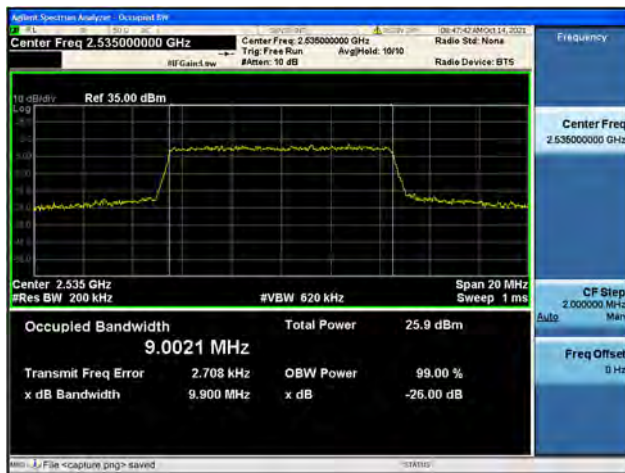
Band7 / 10MHz / Mid CH / QPSK



Band7 / 10MHz / Mid CH / 16QAM



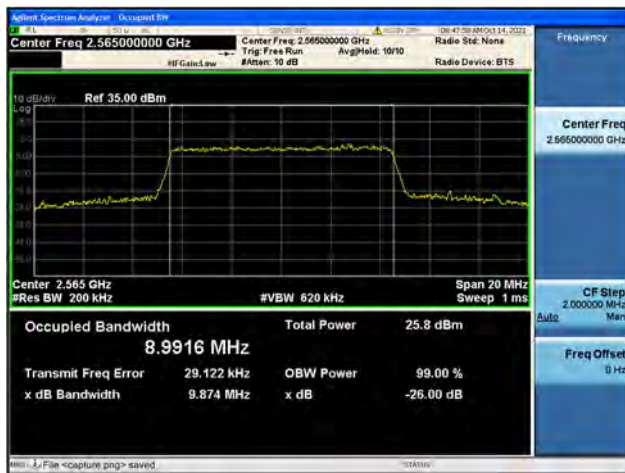
Band7 / 10MHz / Mid CH / 64QAM



Band7 / 10MHz / High CH / QPSK



Band7 / 10MHz / High CH / 16QAM

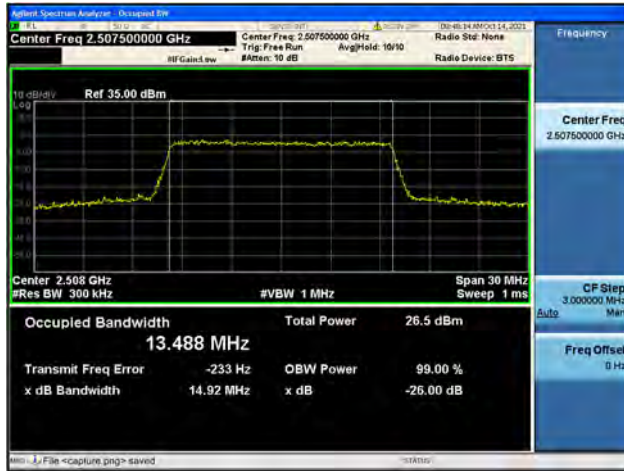


Band7 / 10MHz / High CH / 64QAM

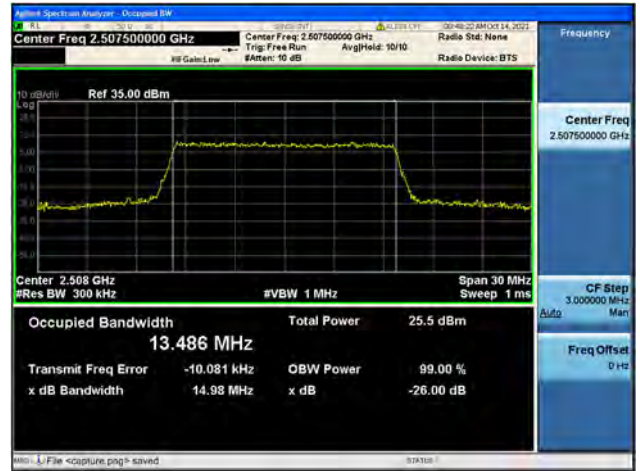




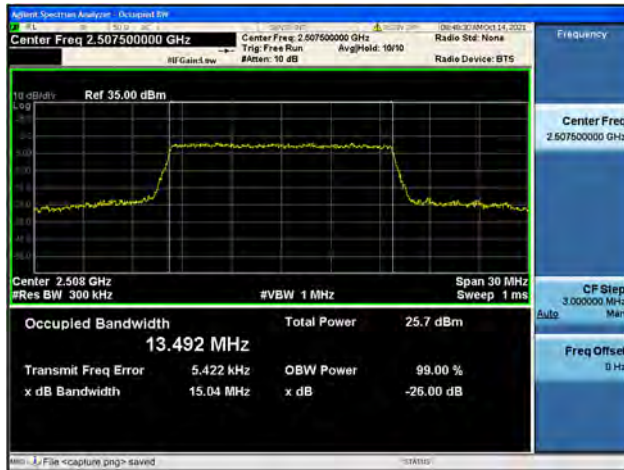
Band7 / 15MHz / Low CH / QPSK



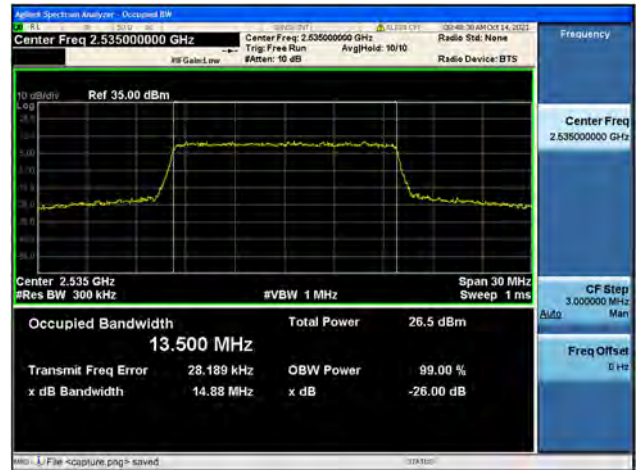
Band7 / 15MHz / Low CH / 16QAM



Band7 / 15MHz / Low CH / 64QAM



Band7 / 15MHz / Mid CH / QPSK



Band7 / 15MHz / Mid CH / 16QAM

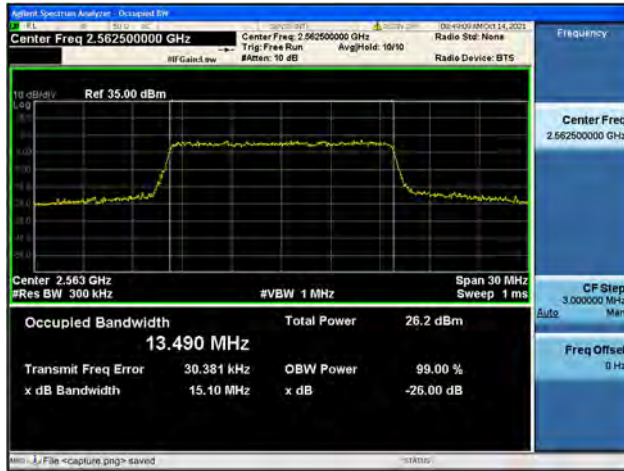


Band7 / 15MHz / Mid CH / 64QAM





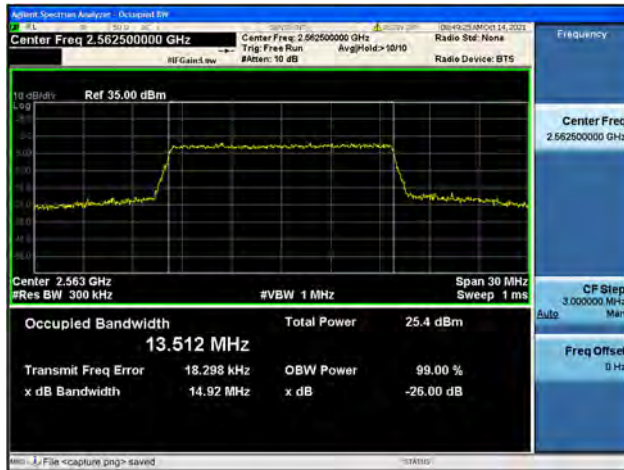
Band7 / 15MHz / High CH / QPSK



Band7 / 15MHz / High CH / 16QAM



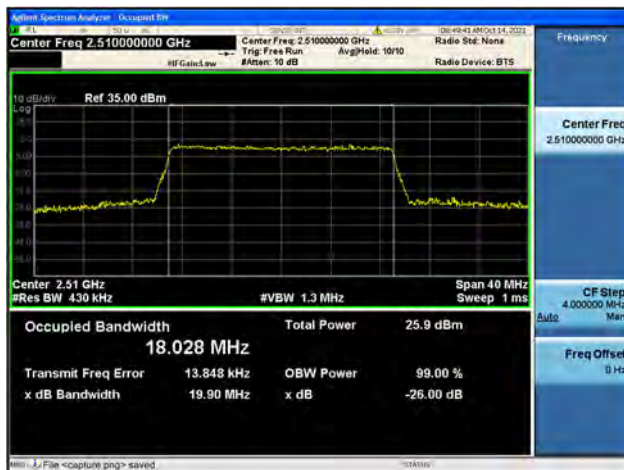
Band7 / 15MHz / High CH / 64QAM



Band7 / 20MHz / Low CH / QPSK



Band7 / 20MHz / Low CH / 16QAM

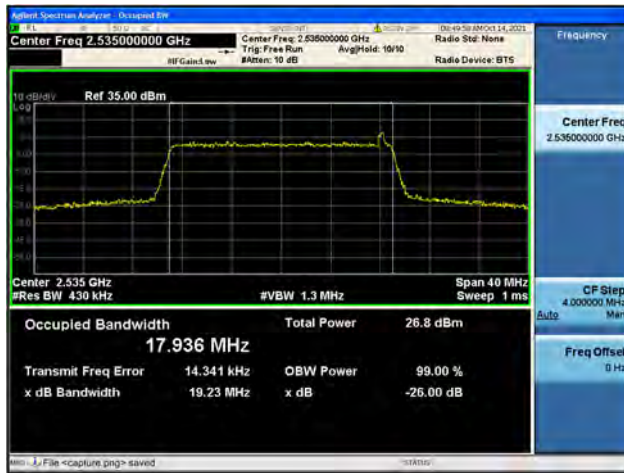


Band7 / 20MHz / Low CH / 64QAM

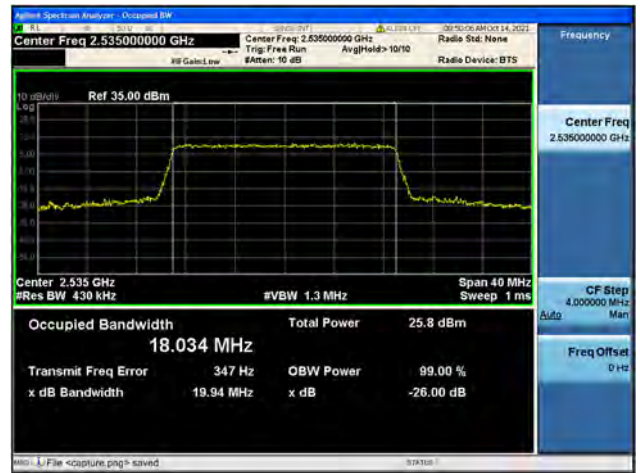




Band7 / 20MHz / Mid CH / QPSK



Band7 / 20MHz / Mid CH / 16QAM



Band7 / 20MHz / Mid CH / 64QAM



Band7 / 20MHz / High CH / QPSK



Band7 / 20MHz / High CH / 16QAM

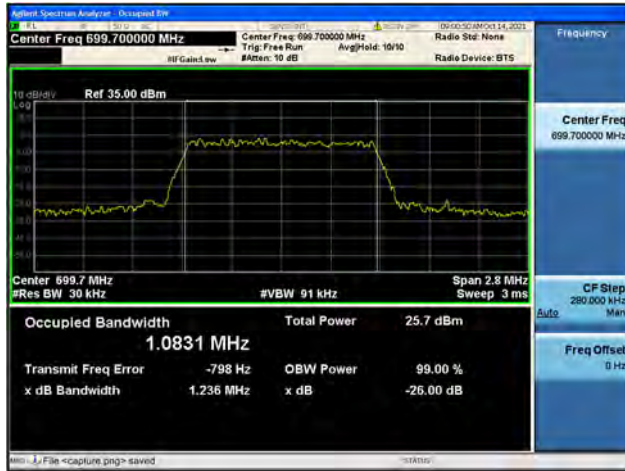


Band7 / 20MHz / High CH / 64QAM





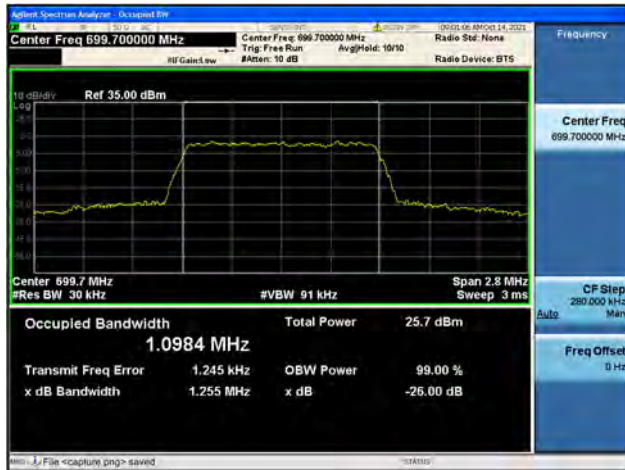
Band12 / 1.4MHz / Low CH / QPSK



Band12 / 1.4MHz / Low CH / 16QAM



Band12 / 1.4MHz / Low CH / 64QAM



Band12 / 1.4MHz / Mid CH / QPSK

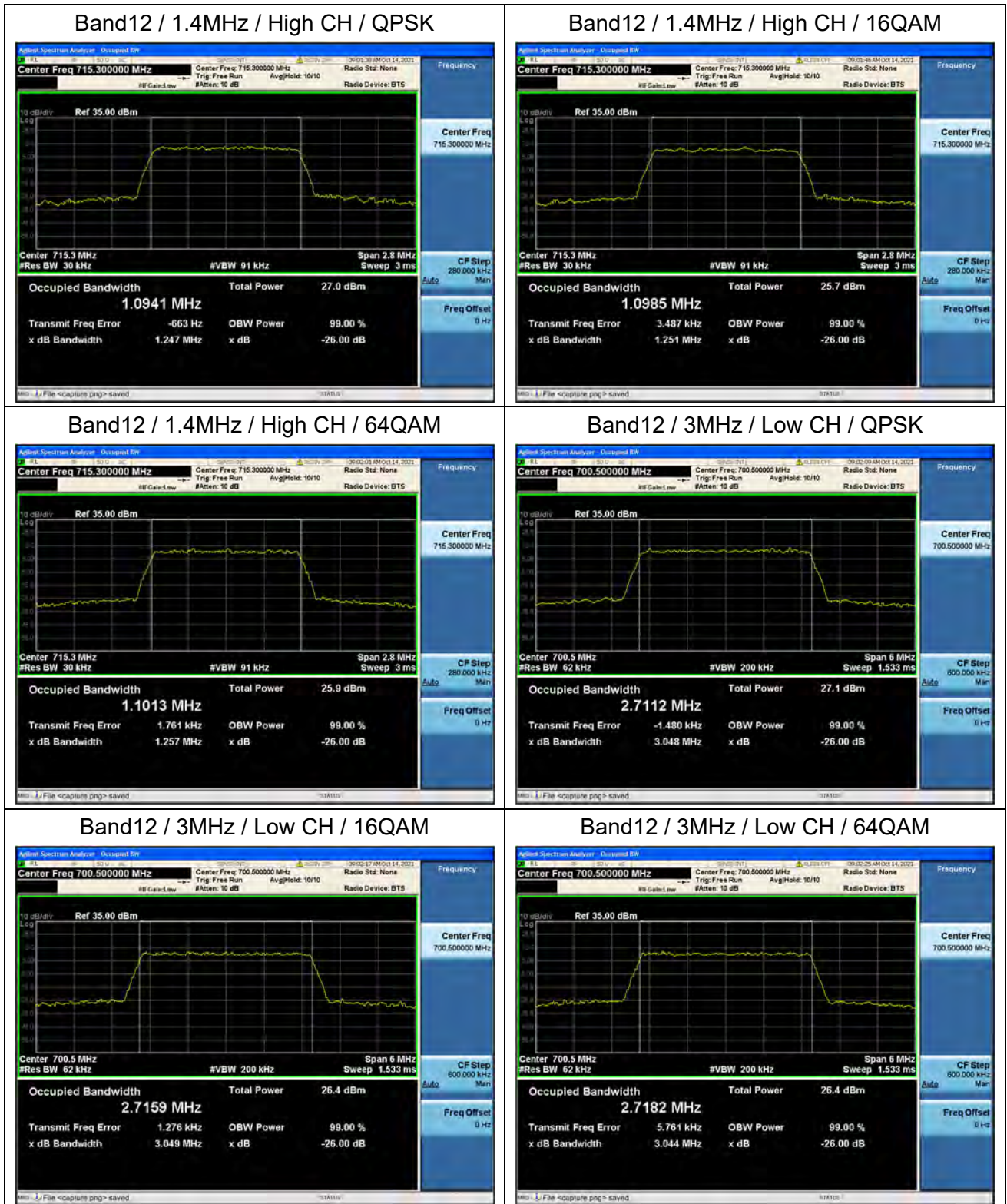


Band12 / 1.4MHz / Mid CH / 16QAM



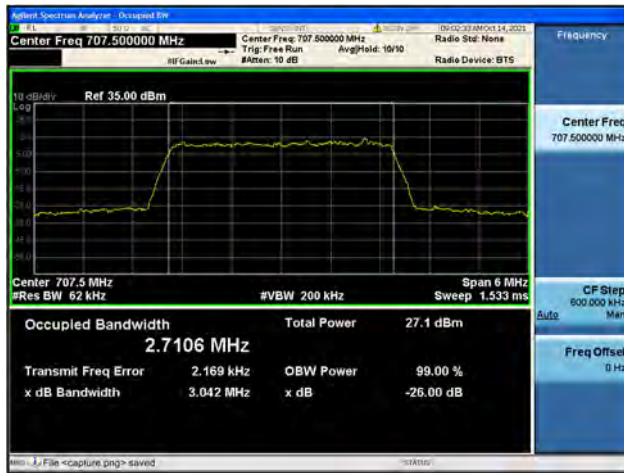
Band12 / 1.4MHz / Mid CH / 64QAM



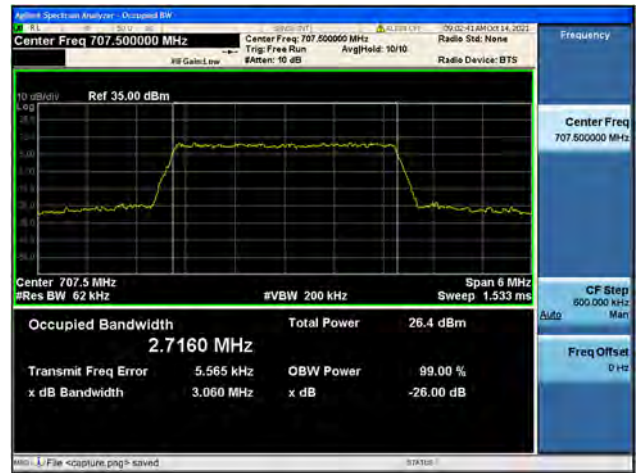




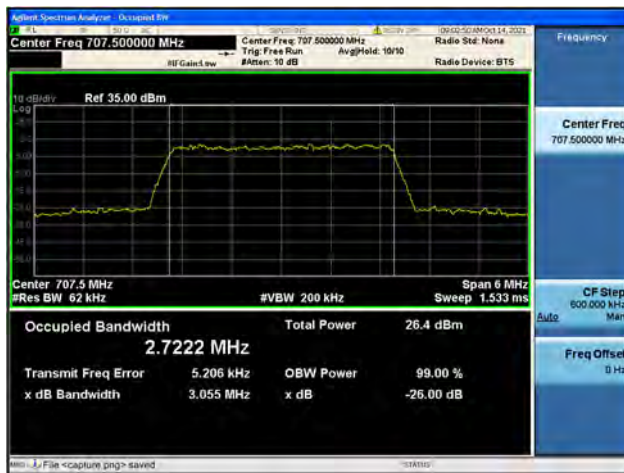
Band12 / 3MHz / Mid CH / QPSK



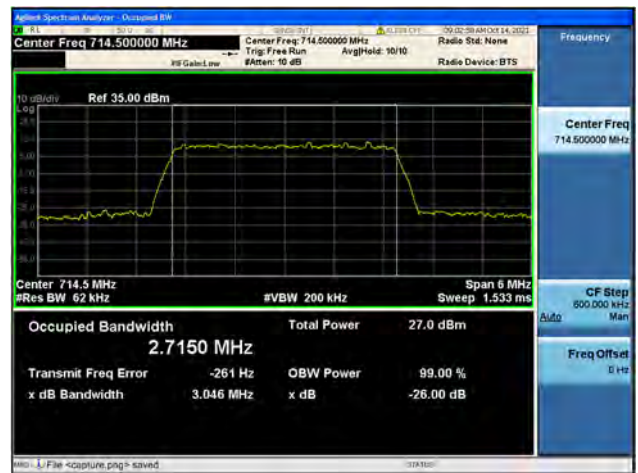
Band12 / 3MHz / Mid CH / 16QAM



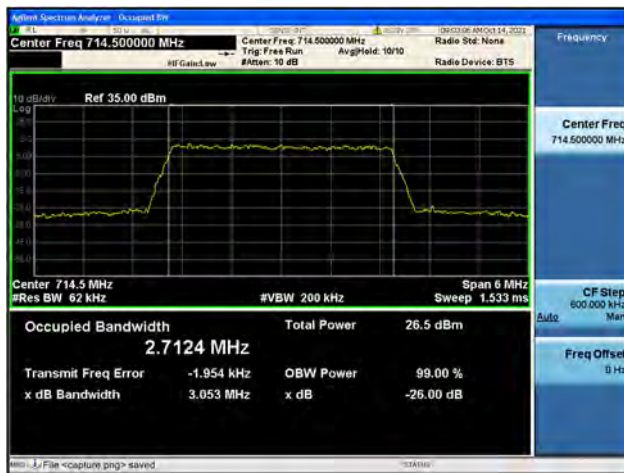
Band12 / 3MHz / Mid CH / 64QAM



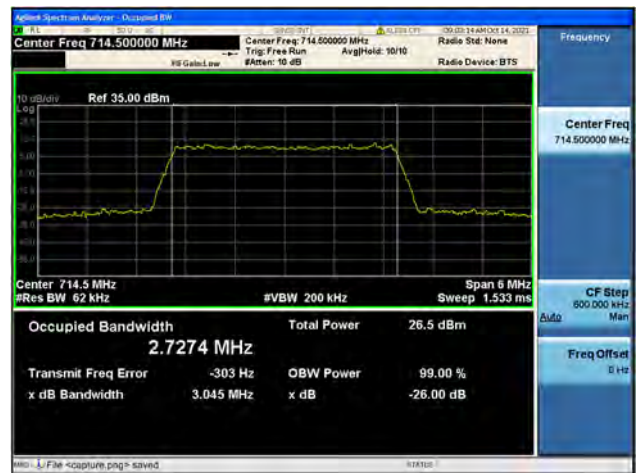
Band12 / 3MHz / High CH / QPSK



Band12 / 3MHz / High CH / 16QAM



Band12 / 3MHz / High CH / 64QAM





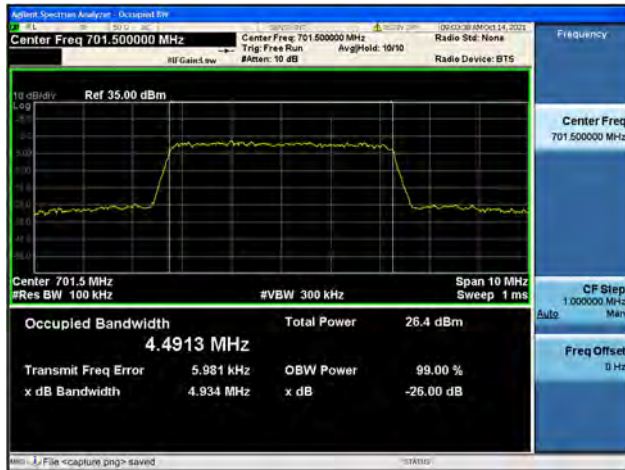
Band12 / 5MHz / Low CH / QPSK



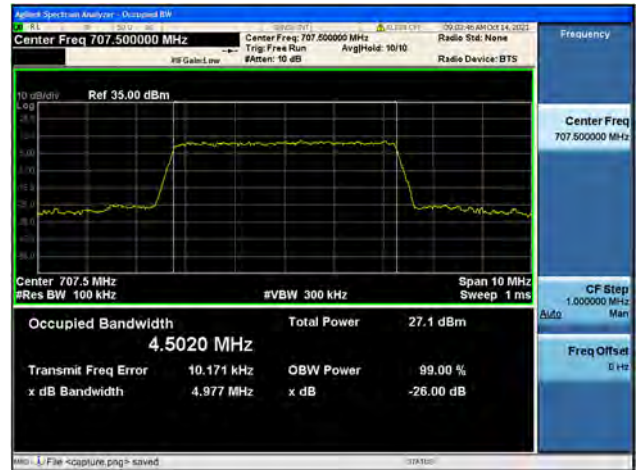
Band12 / 5MHz / Low CH / 16QAM



Band12 / 5MHz / Low CH / 64QAM



Band12 / 5MHz / Mid CH / QPSK



Band12 / 5MHz / Mid CH / 16QAM



Band12 / 5MHz / Mid CH / 64QAM





Band12 / 5MHz / High CH / QPSK



Band12 / 5MHz / High CH / 16QAM



Band12 / 5MHz / High CH / 64QAM



Band12 / 10MHz / Low CH / QPSK



Band12 / 10MHz / Low CH / 16QAM



Band12 / 10MHz / Low CH / 64QAM





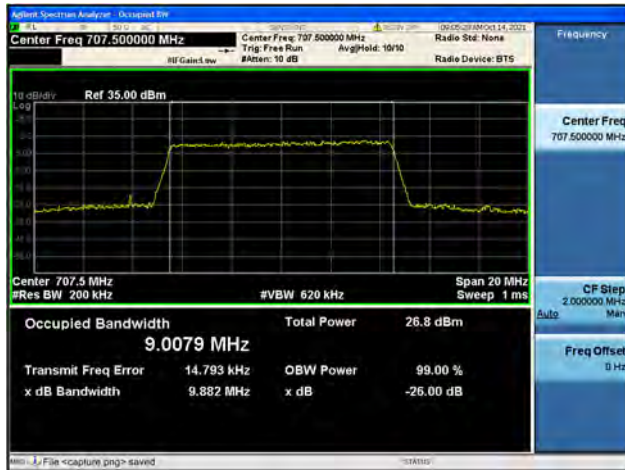
Band12 / 10MHz / Mid CH / QPSK



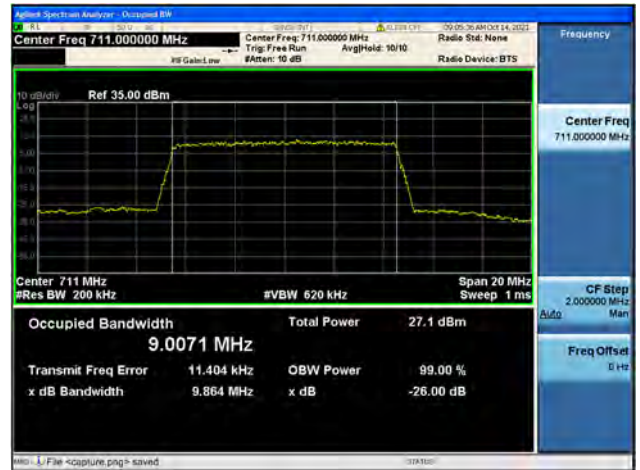
Band12 / 10MHz / Mid CH / 16QAM



Band12 / 10MHz / Mid CH / 64QAM



Band12 / 10MHz / High CH / QPSK



Band12 / 10MHz / High CH / 16QAM

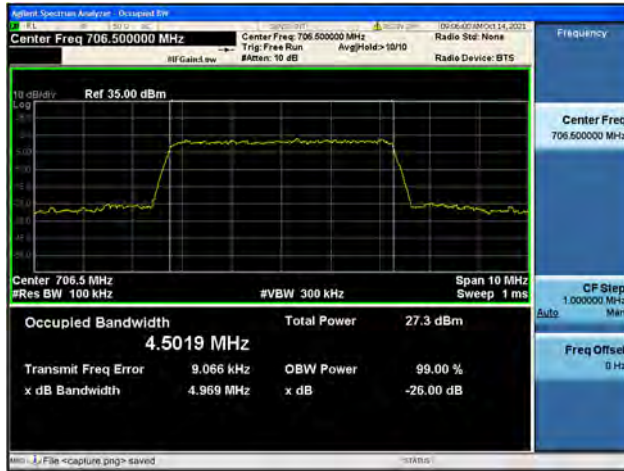


Band12 / 10MHz / High CH / 64QAM





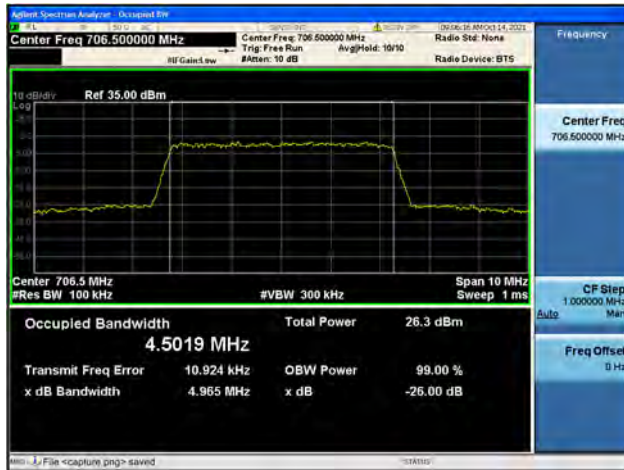
Band17 / 5MHz / Low CH / QPSK



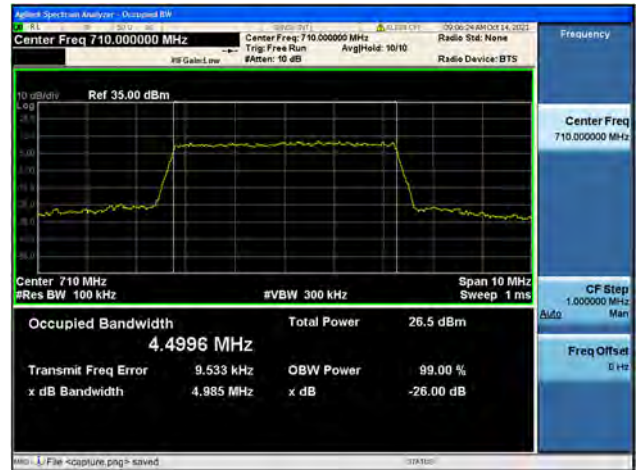
Band17 / 5MHz / Low CH / 16QAM



Band17 / 5MHz / Low CH / 64QAM



Band17 / 5MHz / Mid CH / QPSK



Band17 / 5MHz / Mid CH / 16QAM



Band17 / 5MHz / Mid CH / 64QAM





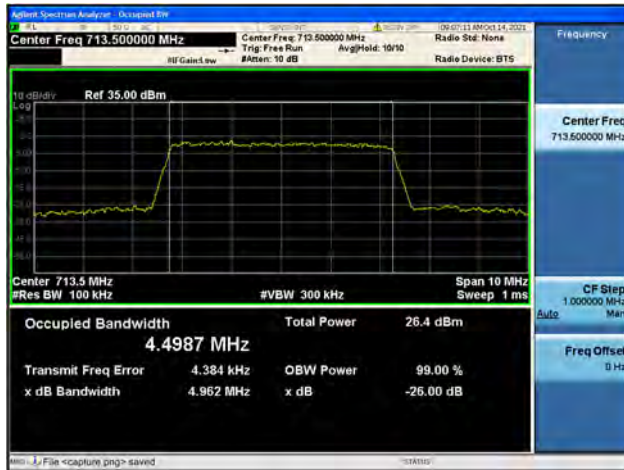
Band17 / 5MHz / High CH / QPSK



Band17 / 5MHz / High CH / 16QAM



Band17 / 5MHz / High CH / 64QAM



Band17 / 10MHz / Low CH / QPSK



Band17 / 10MHz / Low CH / 16QAM

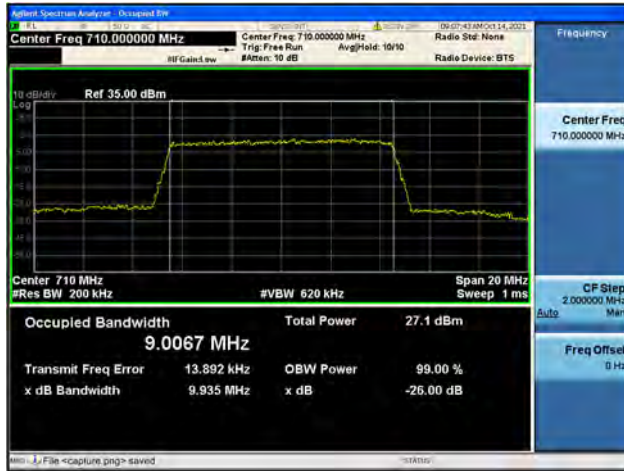


Band17 / 10MHz / Low CH / 64QAM

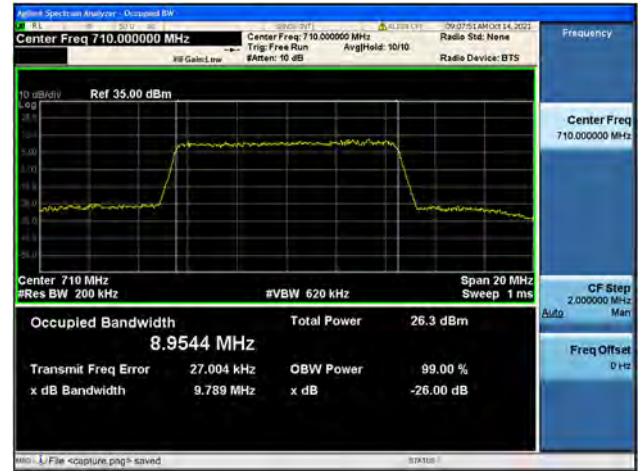




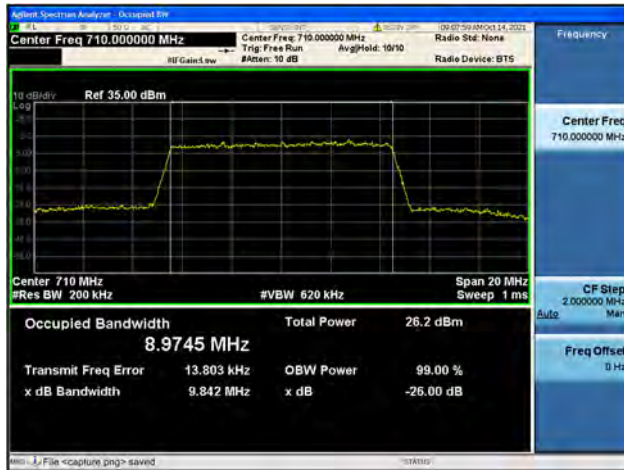
Band17 / 10MHz / Mid CH / QPSK



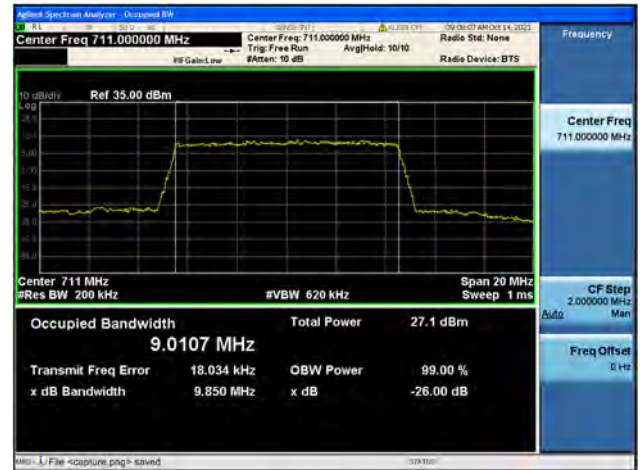
Band17 / 10MHz / Mid CH / 16QAM



Band17 / 10MHz / Mid CH / 64QAM



Band17 / 10MHz / High CH / QPSK



Band17 / 10MHz / High CH / 16QAM



Band17 / 10MHz / High CH / 64QAM

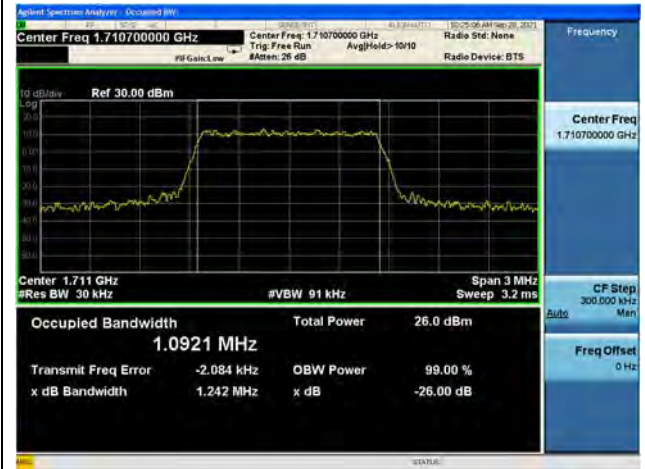




Band66 / 1.4MHz / Low CH / QPSK



Band66 / 1.4MHz / Low CH / 16QAM



Band66 / 1.4MHz / Low CH / 64QAM



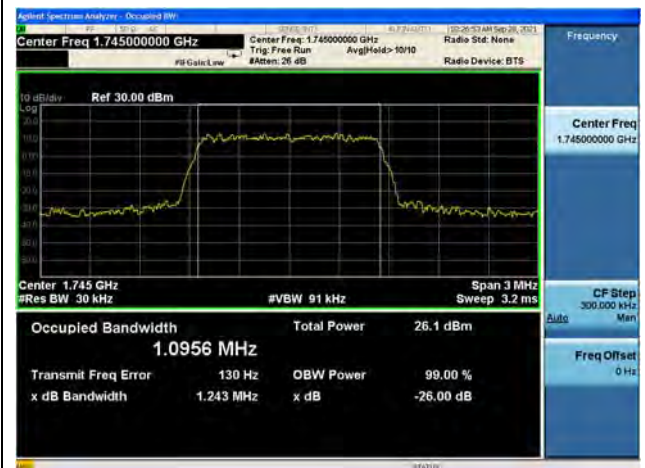
Band66 / 1.4MHz / Mid CH / QPSK

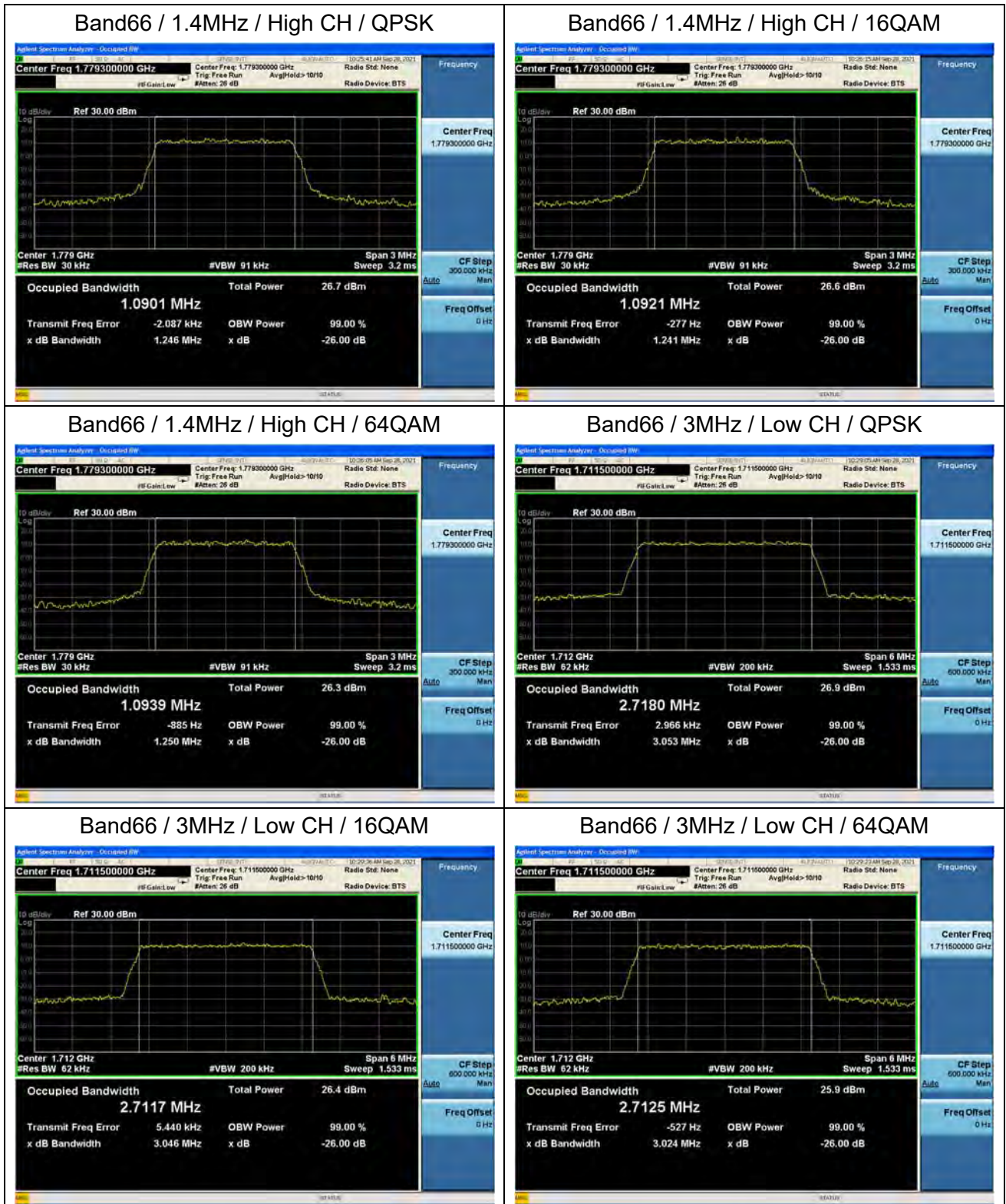


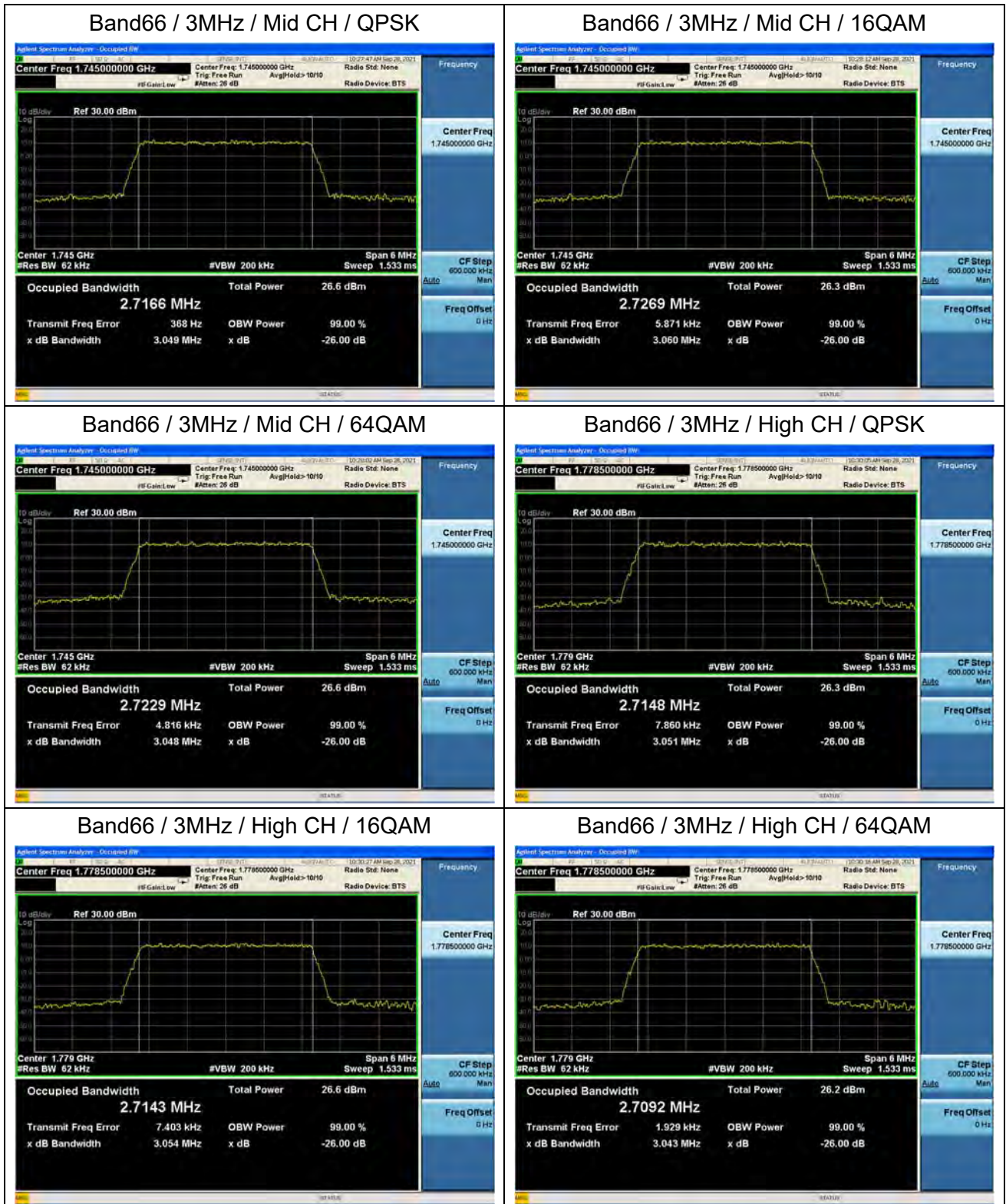
Band66 / 1.4MHz / Mid CH / 16QAM



Band66 / 1.4MHz / Mid CH / 64QAM

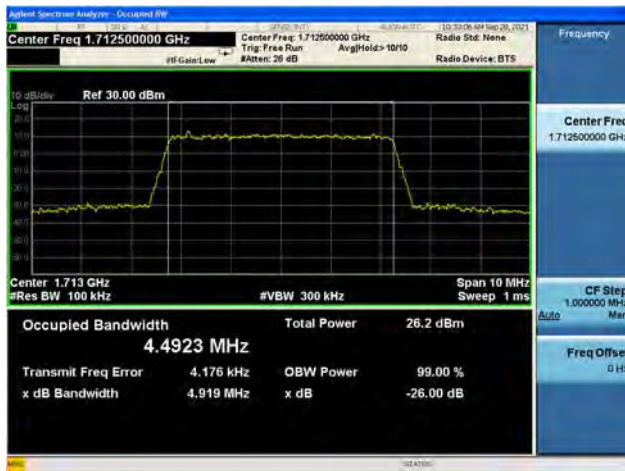




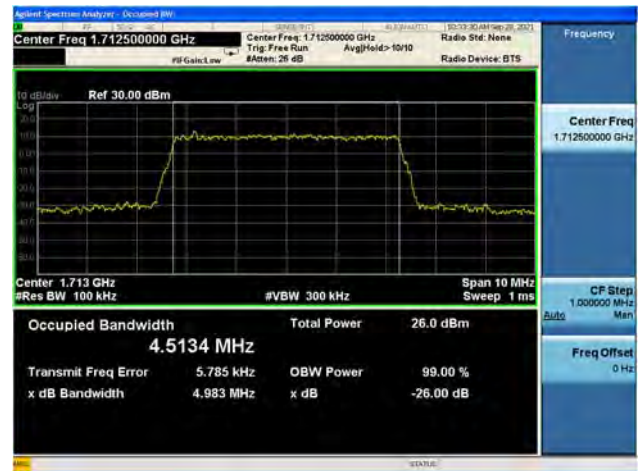




Band66 / 5MHz / Low CH / QPSK



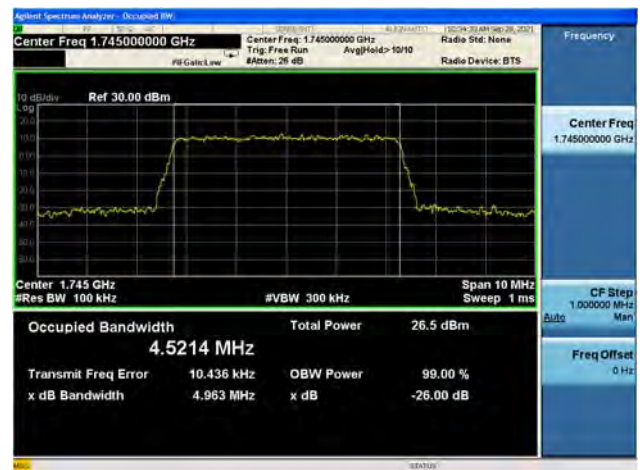
Band66 / 5MHz / Low CH / 16QAM



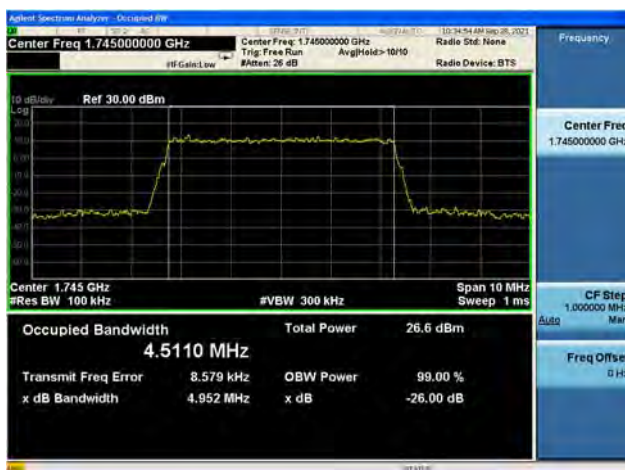
Band66 / 5MHz / Low CH / 64QAM



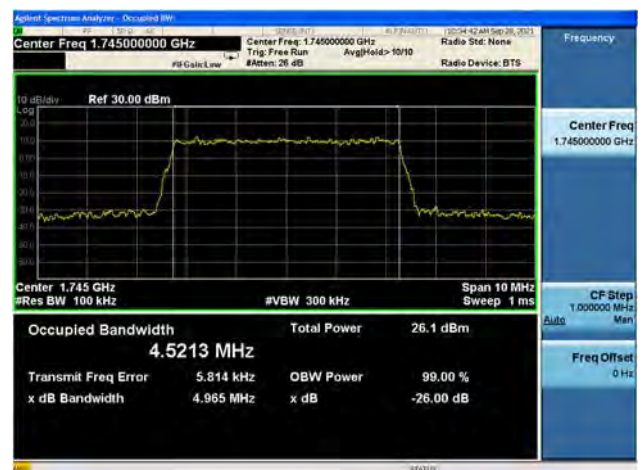
Band66 / 5MHz / Mid CH / QPSK



Band66 / 5MHz / Mid CH / 16QAM

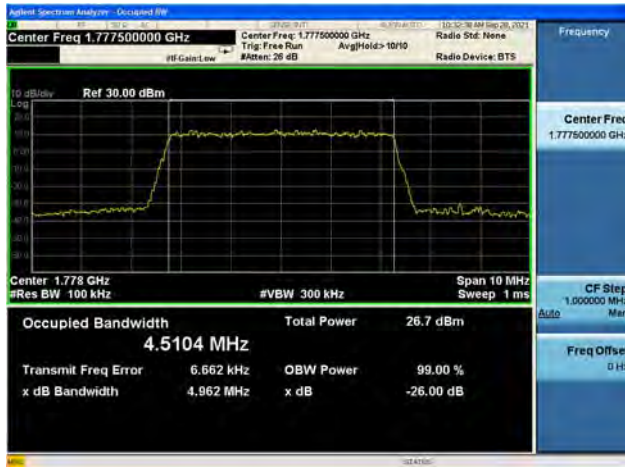


Band66 / 5MHz / Mid CH / 64QAM





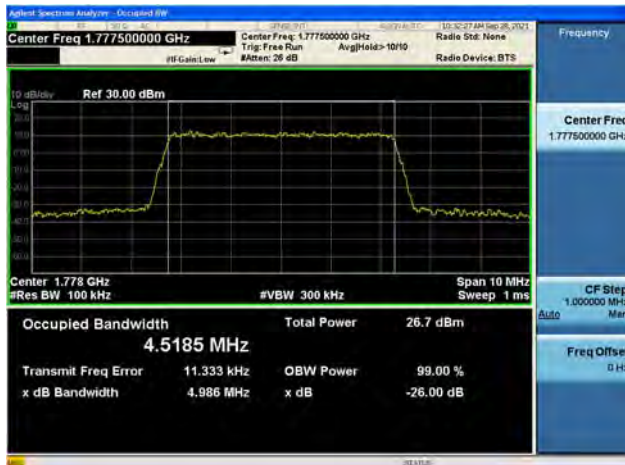
Band66 / 5MHz / High CH / QPSK



Band66 / 5MHz / High CH / 16QAM



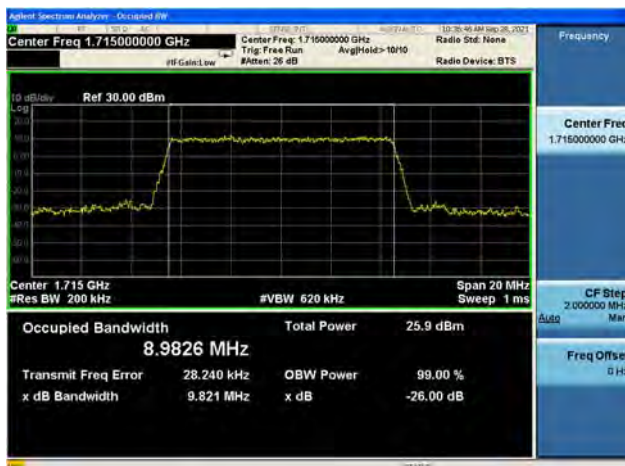
Band66 / 5MHz / High CH / 64QAM



Band66 / 10MHz / Low CH / QPSK



Band66 / 10MHz / Low CH / 16QAM



Band66 / 10MHz / Low CH / 64QAM

