



TEST REPORT

APPLICANT : BLU Products, Inc.

PRODUCT NAME : Tablet

MODEL NAME : M8L

BRAND NAME : BLU

FCC ID : YHLBLUM8L

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

RECEIPT DATE : 2021-06-02

TEST DATE : 2021-06-21 to 2021-07-28

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Edited by: Zeng Xiaoying
Zeng Xiaoying (Rapporteur)

Approved by: Shen Junsheng
Shen Junsheng (Supervisor)

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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	2021-08-02	First edition



1. Technical Information

Note: Provide by applicant.

1.1. Applicant and Manufacturer Information

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

1.2. Equipment Under Test (EUT) Description

Product Name:	Tablet	
Sample No.:	4#	
Hardware Version:	AD153-V0.2B	
Software Version:	BLU_M0171WW_V11.0.G.03.01_GENERIC_21-07-2021_1534	
Modulation Type:	QPSK, 16QAM, 64QAM	
Carrier Aggregation:	Not Support	
Operation Band:	Band 2 / 4 / 5 / 7 / 12 / 17 / 66	
Frequency Range:	LTE Band 2	Tx: 1850MHz–1910MHz
		Rx: 1930MHz–1990MHz
	LTE Band 4	Tx: 1710MHz–1755MHz
		Rx: 2110MHz–2155MHz
	LTE Band 5	Tx: 824MHz–849MHz
		Rx: 869MHz–894MHz
	LTE Band 7	Tx: 2500MHz–2570MHz
		Rx: 2620MHz–2690MHz
	LTE Band 12	Tx: 699MHz - 716MHz
		Rx: 729MHz – 746MHz
	LTE Band 17	Tx: 704MHz - 716MHz
		Rx: 734MHz – 746MHz
	LTE Band 66	Tx: 1710MHz –1780MHz
		Rx: 2110MHz –2200MHz



Channel Bandwidth:	LTE Band 2	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 4	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 5	1.4MHz, 3MHz, 5MHz, 10MHz
	LTE Band 7	5 MHz, 10MHz, 15MHz, 20MHz
	LTE Band 12	1.4MHz, 3 MHz, 5 MHz, 10MHz
	LTE Band 17	5 MHz, 10MHz
	LTE Band 66	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
Antenna Type:	PIFA Antenna	
Antenna Gain:	LTE Band 2	1.5dBi
	LTE Band 4	1.4dBi
	LTE Band 5	-0.7dBi
	LTE Band 7	1.5dBi
	LTE Band 12	-1.2dBi
	LTE Band 17	1.2dBi
	LTE Band 66	1.4dBi
Accessory Information:	Battery	
	Brand Name:	BLU
	Model No.:	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:	5.0V=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	0.270	0.220	0.203	18M0G7D	18M1W7D	18M1W7D	
15	0.269	0.218	0.190	13M5G7D	13M5W7D	13M5W7D	
10	0.267	0.207	0.200	9M02G7D	8M98W7D	9M00W7D	
5	0.265	0.218	0.199	4M52G7D	4M51W7D	4M50W7D	
3	0.263	0.213	0.193	2M72G7D	2M72W7D	2M73W7D	
1.4	0.261	0.206	0.197	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	0.267	0.236	0.231	18M0G7D	18M1W7D	18M0W7D	
15	0.261	0.237	0.213	13M5G7D	13M5W7D	13M5W7D	
10	0.261	0.237	0.216	9M03G7D	8M99W7D	9M00W7D	
5	0.252	0.237	0.231	4M51G7D	4M51W7D	4M50W7D	
3	0.258	0.238	0.231	2M72G7D	2M72W7D	2M72W7D	
1.4	0.256	0.231	0.238	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	0.114	0.098	0.093	9M01G7D	8M98W7D	9M00W7D	
5	0.112	0.098	0.093	4M49G7D	4M50W7D	4M49W7D	
3	0.111	0.094	0.096	2M72G7D	2M72W7D	2M72W7D	
1.4	0.112	0.091	0.094	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	0.170	0.159	0.144	18M0G7D	18M1W7D	18M1W7D	
15	0.168	0.158	0.140	13M5G7D	13M5W7D	13M5W7D	
10	0.164	0.159	0.141	9M03G7D	8M99W7D	9M01W7D	
5	0.165	0.162	0.147	4M51G7D	4M50W7D	4M49W7D	
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	0.098	0.091	0.080	9M05G7D	9M03W7D	9M04W7D	
5	0.096	0.091	0.081	4M51G7D	4M51W7D	4M50W7D	
3	0.096	0.088	0.085	2M72G7D	2M72W7D	2M73W7D	
1.4	0.095	0.085	0.084	1M10G7D	1M10W7D	1M10W7D	



LTE Band 17		Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
10	0.170	0.151	0.146	8M96G7D	8M93W7D	8M94W7D	
5	0.167	0.143	0.151	4M50G7D	4M51W7D	4M51W7D	
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	0.166	0.147	0.113	18M1G7D	18M1W7D	18M0W7D	
15	0.161	0.143	0.110	13M5G7D	13M5W7D	13M5W7D	
10	0.156	0.139	0.107	9M00G7D	9M00W7D	9M00W7D	
5	0.152	0.135	0.104	4M50G7D	4M50W7D	4M50W7D	
3	0.148	0.132	0.101	2M71G7D	2M71W7D	2M71W7D	
1.4	0.144	0.128	0.098	1M09G7D	1M09W7D	1M09W7D	



1.4. Test Standards and Results

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

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

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

Section	Description	Test Date	Test Engineer	Result	Method Determination /Remark
2.1046 22.913(a)(2) 24.232(c) 27.50(c)(10) 27.50(d)(4) 27.50(h)(2)	Transmitter Conducted Output Power and E.R.P./E.I.R.P.	Jul 27&28, 2021	Liang Yumei Lin Jiayong	PASS	No deviation
2.1049	Occupied Bandwidth	Jun 18&23, 2021	Ling Keye	PASS	No deviation
2.1055 22.355 24.235 27.54	Frequency Stability	Jun 23, 2021	Ling Keye	PASS	No deviation
24.232(d), 27.50(d)(5)	Peak to Average Radio	Jun 18&21, 2021	Ling Keye	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(g) 27.53(h) 27.53(m)(4)	Conducted Spurious Emissions	Jun 18&21&22, 2021	Ling Keye	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(g)	Band Edge	Jun 18&21, 2021	Ling Keye	PASS	No deviation



27.53(h) 27.53(m)(4)					
2.1051 22.917(a) 24.238(a) 27.53(g) 27.53(h) 27.53(m)(4)	Radiated Spurious Emissions	Jun 04&05, 2021	Lin Jiayong	PASS	No deviation

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

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

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

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

1.5. Environmental Conditions

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

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



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

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

2.1.1. Requirement

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

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

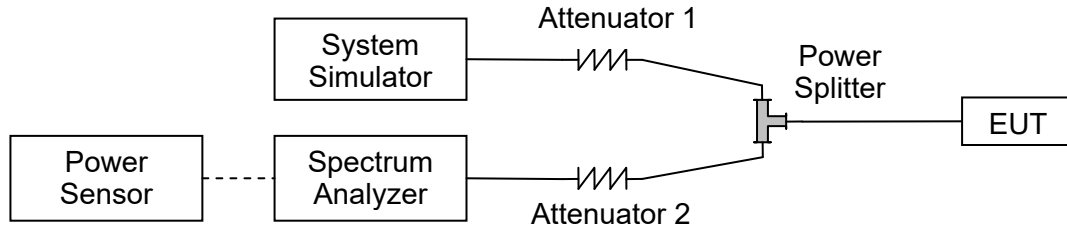
According to FCC section 27.50 (d)(4) for LTE Band 4/66, Fixed, mobile and portable (hand-held) stations in the 1710-1755MHz band are limited to 1wat E.I.R.P.

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

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

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

2.1.2. Test Description



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

2.1.3. Test Procedure

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

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

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



2.1.4. Result

Conducted Output Power:

LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18700	18900	19100
Frequency (MHz)				1860	1880	1900
20	QPSK	1	0	22.79	22.82	22.59
20	QPSK	1	49	22.51	22.35	22.31
20	QPSK	1	99	22.59	22.34	22.32
20	QPSK	50	0	21.15	21.26	20.93
20	QPSK	50	24	21.18	21.11	21.05
20	QPSK	50	50	21.13	21.09	20.86
20	QPSK	100	0	21.12	21.24	20.98
20	16QAM	1	0	21.92	21.76	21.86
20	16QAM	1	49	21.69	21.49	21.48
20	16QAM	1	99	21.65	21.51	21.68
20	16QAM	50	0	20.19	20.22	20.11
20	16QAM	50	24	20.21	20.31	20.02
20	16QAM	50	50	20.26	20.25	19.97
20	16QAM	100	0	20.25	20.36	20.16
20	64QAM	1	0	21.44	21.58	21.42
20	64QAM	1	49	21.32	21.11	21.09
20	64QAM	1	99	21.33	21.19	21.12
20	64QAM	50	0	20.32	20.60	20.16
20	64QAM	50	24	20.48	20.34	20.12
20	64QAM	50	50	20.27	20.18	20.47
20	64QAM	100	0	20.28	20.22	20.14



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18675	18900	19125
Frequency (MHz)				1857.5	1880	1902.5
15	QPSK	1	0	22.76	22.79	22.56
15	QPSK	1	37	22.48	22.32	22.28
15	QPSK	1	74	22.56	22.31	22.29
15	QPSK	36	0	21.11	21.26	20.98
15	QPSK	36	20	21.18	21.10	21.01
15	QPSK	36	39	21.17	21.22	20.81
15	QPSK	75	0	21.23	21.24	20.88
15	16QAM	1	0	21.88	21.84	21.44
15	16QAM	1	37	21.63	21.55	21.47
15	16QAM	1	74	21.67	21.83	21.67
15	16QAM	36	0	20.03	20.26	20.08
15	16QAM	36	20	20.26	19.95	20.07
15	16QAM	36	39	20.19	20.02	20.12
15	16QAM	75	0	20.38	20.14	20.14
15	64QAM	1	0	21.29	21.16	20.83
15	64QAM	1	37	21.25	21.17	21.07
15	64QAM	1	74	21.26	21.17	20.85
15	64QAM	36	0	20.26	20.27	20.22
15	64QAM	36	20	20.29	20.15	20.04
15	64QAM	36	39	20.23	20.14	19.90
15	64QAM	75	0	20.39	20.06	20.19



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18650	18900	19150
Frequency (MHz)				1855	1880	1905
10	QPSK	1	0	22.73	22.76	22.53
10	QPSK	1	25	22.45	22.29	22.25
10	QPSK	1	49	22.53	22.28	22.26
10	QPSK	25	0	21.05	21.26	20.84
10	QPSK	25	12	21.28	21.01	20.85
10	QPSK	25	25	21.25	20.99	20.86
10	QPSK	50	0	20.90	21.22	20.91
10	16QAM	1	0	21.61	21.65	21.27
10	16QAM	1	25	21.54	21.53	21.49
10	16QAM	1	49	21.57	21.25	21.24
10	16QAM	25	0	20.19	20.42	20.16
10	16QAM	25	12	20.43	20.29	20.17
10	16QAM	25	25	20.49	20.24	20.23
10	16QAM	50	0	20.15	20.25	19.93
10	64QAM	1	0	21.27	21.28	21.17
10	64QAM	1	25	21.45	21.40	21.50
10	64QAM	1	49	21.39	21.52	21.18
10	64QAM	25	0	20.40	20.49	20.10
10	64QAM	25	12	20.39	20.30	20.01
10	64QAM	25	25	20.49	20.30	20.20
10	64QAM	50	0	20.22	20.23	20.06



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18625	18900	19175
Frequency (MHz)				1852.5	1880	1907.5
5	QPSK	1	0	22.70	22.73	22.50
5	QPSK	1	12	22.42	22.26	22.22
5	QPSK	1	24	22.50	22.25	22.23
5	QPSK	12	0	21.23	21.24	20.87
5	QPSK	12	7	21.16	21.11	20.90
5	QPSK	12	13	21.20	20.98	20.79
5	QPSK	25	0	21.11	21.22	20.78
5	16QAM	1	0	21.85	21.89	21.46
5	16QAM	1	12	21.84	21.66	21.39
5	16QAM	1	24	21.66	21.39	21.40
5	16QAM	12	0	20.27	20.29	19.97
5	16QAM	12	7	20.29	20.19	20.03
5	16QAM	12	13	20.32	20.26	19.88
5	16QAM	25	0	20.49	20.54	20.08
5	64QAM	1	0	21.47	21.49	21.22
5	64QAM	1	12	21.28	21.01	21.04
5	64QAM	1	24	21.24	21.05	21.02
5	64QAM	12	0	20.22	20.39	20.10
5	64QAM	12	7	20.17	20.28	20.02
5	64QAM	12	13	20.32	20.40	20.07
5	64QAM	25	0	20.20	20.31	20.10



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18615	18900	19185
Frequency (MHz)				1851.5	1880	1908.5
3	QPSK	1	0	22.67	22.70	22.47
3	QPSK	1	8	22.39	22.23	22.19
3	QPSK	1	14	22.47	22.22	22.20
3	QPSK	8	0	21.16	21.18	20.86
3	QPSK	8	4	21.10	21.08	20.82
3	QPSK	8	7	21.26	21.06	20.83
3	QPSK	15	0	21.23	21.24	20.81
3	16QAM	1	0	21.64	21.78	21.32
3	16QAM	1	8	21.40	21.31	21.37
3	16QAM	1	14	21.64	21.29	21.29
3	16QAM	8	0	20.40	20.17	20.11
3	16QAM	8	4	20.46	20.25	20.06
3	16QAM	8	7	20.36	20.20	19.99
3	16QAM	15	0	20.29	20.30	20.14
3	64QAM	1	0	21.31	21.35	21.10
3	64QAM	1	8	21.23	21.31	20.98
3	64QAM	1	14	21.24	21.26	21.02
3	64QAM	8	0	20.34	20.44	20.11
3	64QAM	8	4	20.26	20.30	20.05
3	64QAM	8	7	20.17	20.04	20.01
3	64QAM	15	0	20.33	20.34	19.97



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18607	18900	19193
Frequency (MHz)				1850.7	1880	1909.3
1.4	QPSK	1	0	22.64	22.67	22.44
1.4	QPSK	1	3	22.36	22.20	22.16
1.4	QPSK	1	5	22.44	22.19	22.17
1.4	QPSK	3	0	22.07	22.17	21.89
1.4	QPSK	3	1	22.21	22.20	21.87
1.4	QPSK	3	3	22.20	22.08	21.90
1.4	QPSK	6	0	21.16	21.19	20.80
1.4	16QAM	1	0	21.36	21.47	21.33
1.4	16QAM	1	3	21.26	21.52	21.63
1.4	16QAM	1	5	21.43	21.49	21.27
1.4	16QAM	3	0	21.54	21.23	21.10
1.4	16QAM	3	1	21.52	21.36	21.22
1.4	16QAM	3	3	21.58	21.25	21.19
1.4	16QAM	6	0	20.22	19.88	19.75
1.4	64QAM	1	0	21.17	21.44	20.96
1.4	64QAM	1	3	21.18	21.32	21.01
1.4	64QAM	1	5	21.30	21.35	21.10
1.4	64QAM	3	0	21.33	21.34	21.04
1.4	64QAM	3	1	21.30	21.29	21.04
1.4	64QAM	3	3	21.30	21.07	20.92
1.4	64QAM	6	0	20.37	20.19	19.95



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	22.65	22.87	22.72
20	QPSK	1	49	22.45	22.58	22.53
20	QPSK	1	99	22.44	22.60	22.51
20	QPSK	50	0	21.55	21.64	21.58
20	QPSK	50	24	21.43	21.41	21.55
20	QPSK	50	50	21.27	21.45	21.64
20	QPSK	100	0	21.45	21.74	21.51
20	16QAM	1	0	22.24	22.33	22.30
20	16QAM	1	49	22.09	22.23	22.48
20	16QAM	1	99	22.01	21.98	22.05
20	16QAM	50	0	20.72	20.84	20.83
20	16QAM	50	24	20.56	20.62	20.76
20	16QAM	50	50	20.59	20.59	20.54
20	16QAM	100	0	20.64	20.64	20.69
20	64QAM	1	0	22.06	22.24	22.21
20	64QAM	1	49	21.92	22.11	22.02
20	64QAM	1	99	22.03	22.09	22.17
20	64QAM	50	0	20.72	20.74	20.80
20	64QAM	50	24	20.60	20.72	20.59
20	64QAM	50	50	20.66	20.73	20.56
20	64QAM	100	0	20.65	20.71	20.66



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	22.41	22.77	22.44
15	QPSK	1	37	22.38	22.39	22.51
15	QPSK	1	74	22.27	22.34	22.60
15	QPSK	36	0	21.56	21.60	21.57
15	QPSK	36	20	21.42	21.49	21.63
15	QPSK	36	39	21.45	21.56	21.53
15	QPSK	75	0	21.48	21.67	21.66
15	16QAM	1	0	22.00	22.35	21.98
15	16QAM	1	37	21.91	21.96	22.20
15	16QAM	1	74	22.19	21.89	21.93
15	16QAM	36	0	20.56	20.58	20.56
15	16QAM	36	20	20.57	20.60	20.62
15	16QAM	36	39	20.52	20.66	20.62
15	16QAM	75	0	20.63	20.78	20.73
15	64QAM	1	0	21.64	21.88	21.74
15	64QAM	1	37	21.38	21.52	21.39
15	64QAM	1	74	21.42	21.42	21.77
15	64QAM	36	0	20.65	20.83	20.75
15	64QAM	36	20	20.60	20.71	20.70
15	64QAM	36	39	20.54	20.52	20.74
15	64QAM	75	0	20.57	20.77	20.75



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	22.69	22.77	22.76
10	QPSK	1	25	22.57	22.54	22.53
10	QPSK	1	49	22.65	22.42	22.59
10	QPSK	25	0	21.56	21.58	21.54
10	QPSK	25	12	21.59	21.47	21.51
10	QPSK	25	25	21.42	21.47	21.56
10	QPSK	50	0	21.62	21.64	21.54
10	16QAM	1	0	22.27	22.35	21.98
10	16QAM	1	25	22.26	21.92	21.96
10	16QAM	1	49	21.98	22.25	21.97
10	16QAM	25	0	20.68	20.96	20.93
10	16QAM	25	12	20.79	20.59	20.91
10	16QAM	25	25	20.77	20.49	20.95
10	16QAM	50	0	20.64	20.63	20.64
10	64QAM	1	0	21.92	21.94	21.56
10	64QAM	1	25	21.86	21.57	21.85
10	64QAM	1	49	21.87	21.45	21.91
10	64QAM	25	0	20.59	20.88	20.76
10	64QAM	25	12	20.62	20.71	20.95
10	64QAM	25	25	20.51	20.62	20.84
10	64QAM	50	0	20.66	20.64	20.81



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19975	20175	20375
Frequency (MHz)				1712.5	1732.5	1752.5
5	QPSK	1	0	22.50	22.62	22.60
5	QPSK	1	12	22.44	22.48	22.67
5	QPSK	1	24	22.39	22.63	22.64
5	QPSK	12	0	21.51	21.68	21.66
5	QPSK	12	7	21.47	21.60	21.71
5	QPSK	12	13	21.49	21.54	21.66
5	QPSK	25	0	21.41	21.59	21.56
5	16QAM	1	0	22.10	22.33	21.94
5	16QAM	1	12	22.01	21.91	22.19
5	16QAM	1	24	22.34	21.87	21.86
5	16QAM	12	0	20.72	20.77	20.73
5	16QAM	12	7	20.66	20.66	20.75
5	16QAM	12	13	20.69	20.68	20.77
5	16QAM	25	0	20.65	20.82	20.98
5	64QAM	1	0	22.12	22.23	22.03
5	64QAM	1	12	21.90	21.74	21.89
5	64QAM	1	24	21.87	21.86	22.09
5	64QAM	12	0	20.70	20.78	20.77
5	64QAM	12	7	20.84	20.58	20.78
5	64QAM	12	13	20.64	20.73	20.82
5	64QAM	25	0	20.79	20.55	20.92



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	22.43	22.72	22.52
3	QPSK	1	8	22.43	22.60	22.47
3	QPSK	1	14	22.49	22.54	22.53
3	QPSK	8	0	21.58	21.59	21.58
3	QPSK	8	4	21.51	21.52	21.55
3	QPSK	8	7	21.48	21.54	21.65
3	QPSK	15	0	21.59	21.69	21.65
3	16QAM	1	0	22.08	22.37	22.09
3	16QAM	1	8	22.11	22.33	22.03
3	16QAM	1	14	21.98	21.95	22.03
3	16QAM	8	0	20.71	20.79	20.75
3	16QAM	8	4	20.64	20.85	20.79
3	16QAM	8	7	20.55	20.68	20.88
3	16QAM	15	0	20.70	20.79	20.69
3	64QAM	1	0	22.01	21.64	21.99
3	64QAM	1	8	22.00	21.58	22.05
3	64QAM	1	14	21.89	21.62	21.97
3	64QAM	8	0	20.59	20.65	20.60
3	64QAM	8	4	20.50	20.49	20.55
3	64QAM	8	7	20.69	20.52	20.55
3	64QAM	15	0	20.63	20.62	20.82



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19957	20175	20393
Frequency (MHz)				1710.7	1732.5	1754.3
1.4	QPSK	1	0	22.43	22.69	22.53
1.4	QPSK	1	3	22.5	22.49	22.52
1.4	QPSK	1	5	22.46	22.39	22.59
1.4	QPSK	3	0	22.57	22.58	22.47
1.4	QPSK	3	1	22.62	22.58	22.53
1.4	QPSK	3	3	22.62	22.54	22.58
1.4	QPSK	6	0	21.55	21.65	21.54
1.4	16QAM	1	0	22.11	22.22	22.2
1.4	16QAM	1	3	22.24	22.13	22.02
1.4	16QAM	1	5	22.01	22.15	22.46
1.4	16QAM	3	0	21.82	22.02	22.01
1.4	16QAM	3	1	21.63	21.75	21.93
1.4	16QAM	3	3	21.79	21.71	21.82
1.4	16QAM	6	0	20.54	20.56	20.35
1.4	64QAM	1	0	21.76	22.02	21.98
1.4	64QAM	1	3	21.7	21.63	22.1
1.4	64QAM	1	5	22.01	21.66	22.02
1.4	64QAM	3	0	21.54	21.93	21.61
1.4	64QAM	3	1	21.62	21.63	21.65
1.4	64QAM	3	3	21.57	21.61	21.59
1.4	64QAM	6	0	20.64	20.77	20.66



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20450	20525	20600
Frequency (MHz)				829	836.5	844
10	QPSK	1	0	22.93	23.41	23.16
10	QPSK	1	25	23.15	23.17	23.13
10	QPSK	1	49	23.14	23.18	23.11
10	QPSK	25	0	22.25	22.37	22.30
10	QPSK	25	12	22.21	22.35	22.21
10	QPSK	25	25	22.16	22.30	22.19
10	QPSK	50	0	22.20	22.37	22.17
10	16QAM	1	0	22.52	22.77	22.47
10	16QAM	1	25	22.37	22.76	22.66
10	16QAM	1	49	22.41	22.65	22.63
10	16QAM	25	0	21.35	21.65	21.54
10	16QAM	25	12	21.15	21.59	21.40
10	16QAM	25	25	21.21	21.60	21.47
10	16QAM	50	0	21.46	21.67	21.65
10	64QAM	1	0	22.13	22.13	22.10
10	64QAM	1	25	22.05	22.55	22.27
10	64QAM	1	49	22.24	22.30	22.22
10	64QAM	25	0	21.22	21.55	21.50
10	64QAM	25	12	21.08	21.51	21.46
10	64QAM	25	25	21.21	21.47	21.35
10	64QAM	50	0	21.48	21.69	21.66



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20425	20525	20625
Frequency (MHz)				826.5	836.5	846.5
5	QPSK	1	0	23.10	23.34	23.17
5	QPSK	1	12	23.15	23.27	23.23
5	QPSK	1	24	23.14	23.18	23.20
5	QPSK	12	0	22.09	22.21	22.14
5	QPSK	12	7	22.21	22.43	22.21
5	QPSK	12	13	22.16	22.54	22.15
5	QPSK	25	0	22.20	22.46	22.37
5	16QAM	1	0	22.64	22.77	22.66
5	16QAM	1	12	22.37	22.76	22.66
5	16QAM	1	24	22.41	22.65	22.63
5	16QAM	12	0	21.04	21.54	21.22
5	16QAM	12	7	21.15	21.49	21.40
5	16QAM	12	13	21.11	21.46	21.37
5	16QAM	25	0	21.36	21.81	21.65
5	64QAM	1	0	22.28	22.29	22.27
5	64QAM	1	12	22.05	22.55	22.27
5	64QAM	1	24	22.24	22.30	22.22
5	64QAM	12	0	21.31	21.67	21.25
5	64QAM	12	7	21.28	21.71	21.60
5	64QAM	12	13	21.23	21.47	21.65
5	64QAM	25	0	21.18	21.67	21.66



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	22.94	23.30	23.17
3	QPSK	1	8	22.90	22.93	23.19
3	QPSK	1	14	22.92	23.05	23.17
3	QPSK	8	0	22.10	22.44	22.41
3	QPSK	8	4	22.02	22.40	22.29
3	QPSK	8	7	22.11	22.39	22.19
3	QPSK	15	0	22.12	22.50	22.25
3	16QAM	1	0	22.17	22.58	22.43
3	16QAM	1	8	22.11	22.56	22.24
3	16QAM	1	14	22.23	22.52	22.12
3	16QAM	8	0	21.22	21.62	21.53
3	16QAM	8	4	21.33	21.60	21.61
3	16QAM	8	7	21.30	21.57	21.58
3	16QAM	15	0	21.25	21.69	21.43
3	64QAM	1	0	22.26	22.66	22.64
3	64QAM	1	8	22.20	22.46	22.51
3	64QAM	1	14	22.32	22.43	22.26
3	64QAM	8	0	21.41	21.62	21.52
3	64QAM	8	4	21.26	21.40	21.56
3	64QAM	8	7	21.13	21.44	21.39
3	64QAM	15	0	21.34	21.81	21.61



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20407	20525	20643
Frequency (MHz)				824.7	836.5	848.3
1.4	QPSK	1	0	23.03	23.33	23.26
1.4	QPSK	1	3	22.91	22.94	23.11
1.4	QPSK	1	5	22.89	22.96	23.08
1.4	QPSK	3	0	23.11	23.15	23.30
1.4	QPSK	3	1	23.16	23.20	23.23
1.4	QPSK	3	3	23.09	23.19	23.32
1.4	QPSK	6	0	22.06	22.43	22.15
1.4	16QAM	1	0	22.37	22.46	22.44
1.4	16QAM	1	3	22.31	22.76	22.28
1.4	16QAM	1	5	22.31	22.75	22.46
1.4	16QAM	3	0	22.31	22.80	22.40
1.4	16QAM	3	1	22.40	22.79	22.39
1.4	16QAM	3	3	22.36	22.80	22.33
1.4	16QAM	6	0	20.94	21.30	21.32
1.4	64QAM	1	0	22.30	22.59	22.25
1.4	64QAM	1	3	22.21	22.57	22.15
1.4	64QAM	1	5	22.15	22.52	22.13
1.4	64QAM	3	0	22.22	22.51	22.25
1.4	64QAM	3	1	22.17	22.56	22.19
1.4	64QAM	3	3	22.21	22.49	22.14
1.4	64QAM	6	0	21.11	21.60	21.59



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20850	21100	21350
Frequency (MHz)				2510	2535	2560
20	QPSK	1	0	20.61	20.80	20.64
20	QPSK	1	49	20.42	20.61	20.60
20	QPSK	1	99	20.59	20.61	20.74
20	QPSK	50	0	19.59	19.78	19.67
20	QPSK	50	24	19.62	19.75	19.24
20	QPSK	50	50	19.66	19.63	19.72
20	QPSK	100	0	19.67	19.74	19.63
20	16QAM	1	0	20.35	20.51	20.34
20	16QAM	1	49	20.36	20.32	20.27
20	16QAM	1	99	20.28	20.09	20.40
20	16QAM	50	0	18.82	18.85	18.80
20	16QAM	50	24	18.70	18.93	18.80
20	16QAM	50	50	18.80	18.83	18.87
20	16QAM	100	0	18.63	18.77	18.73
20	64QAM	1	0	19.72	20.07	19.97
20	64QAM	1	49	19.63	19.75	19.88
20	64QAM	1	99	19.91	20.03	19.90
20	64QAM	50	0	18.89	18.91	18.79
20	64QAM	50	24	18.70	18.63	18.78
20	64QAM	50	50	18.78	18.77	18.84
20	64QAM	100	0	18.68	18.78	19.02



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20825	21100	21375
Frequency (MHz)				2507.5	2535	2562.5
15	QPSK	1	0	20.55	20.75	20.51
15	QPSK	1	37	20.59	20.60	20.66
15	QPSK	1	74	20.60	20.56	20.38
15	QPSK	36	0	19.65	19.79	19.67
15	QPSK	36	20	19.70	19.71	19.70
15	QPSK	36	39	19.73	19.79	19.68
15	QPSK	75	0	19.60	19.54	19.74
15	16QAM	1	0	20.32	20.42	20.25
15	16QAM	1	37	20.49	20.15	20.33
15	16QAM	1	74	20.16	20.27	20.41
15	16QAM	36	0	18.75	18.77	18.73
15	16QAM	36	20	18.70	18.75	18.81
15	16QAM	36	39	18.72	18.64	18.75
15	16QAM	75	0	18.79	18.99	18.95
15	64QAM	1	0	19.82	19.97	19.96
15	64QAM	1	37	19.69	19.94	19.62
15	64QAM	1	74	19.85	19.92	19.95
15	64QAM	36	0	19.04	19.14	18.91
15	64QAM	36	20	18.77	18.77	18.98
15	64QAM	36	39	18.97	18.65	18.91
15	64QAM	75	0	18.79	18.77	18.93



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20800	21100	21400
Frequency (MHz)				2505	2535	2565
10	QPSK	1	0	20.43	20.66	20.50
10	QPSK	1	25	20.50	20.52	20.54
10	QPSK	1	49	20.45	20.48	20.61
10	QPSK	25	0	19.73	19.88	19.80
10	QPSK	25	12	19.57	19.57	19.78
10	QPSK	25	25	19.62	19.62	19.77
10	QPSK	50	0	19.94	19.60	19.72
10	16QAM	1	0	20.30	20.33	20.27
10	16QAM	1	25	20.51	20.16	20.26
10	16QAM	1	49	20.21	20.52	20.23
10	16QAM	25	0	18.71	18.94	19.10
10	16QAM	25	12	18.87	18.80	19.13
10	16QAM	25	25	18.72	18.72	19.21
10	16QAM	50	0	18.89	18.80	18.99
10	64QAM	1	0	19.69	19.90	19.87
10	64QAM	1	25	19.81	19.49	19.91
10	64QAM	1	49	19.86	19.92	19.98
10	64QAM	25	0	18.70	19.04	19.02
10	64QAM	25	12	18.80	18.58	19.03
10	64QAM	25	25	18.88	18.74	19.02
10	64QAM	50	0	18.83	18.73	18.93



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20775	21100	21425
Frequency (MHz)				2502.5	2535	2567.5
5	QPSK	1	0	20.56	20.68	20.53
5	QPSK	1	12	20.48	20.63	20.60
5	QPSK	1	24	20.60	20.48	20.24
5	QPSK	12	0	19.67	20.01	19.95
5	QPSK	12	7	19.72	19.65	19.99
5	QPSK	12	13	19.74	19.64	19.93
5	QPSK	25	0	19.75	19.71	20.02
5	16QAM	1	0	20.55	20.59	20.41
5	16QAM	1	12	20.26	20.32	20.43
5	16QAM	1	24	20.14	20.33	20.32
5	16QAM	12	0	18.62	19.10	19.04
5	16QAM	12	7	18.71	18.71	19.00
5	16QAM	12	13	18.71	18.75	19.05
5	16QAM	25	0	18.81	19.02	19.10
5	64QAM	1	0	19.75	20.13	20.17
5	64QAM	1	12	19.74	19.73	20.17
5	64QAM	1	24	19.70	19.80	19.91
5	64QAM	12	0	18.73	18.97	19.19
5	64QAM	12	7	18.85	18.92	18.90
5	64QAM	12	13	18.90	18.91	19.11
5	64QAM	25	0	18.75	18.99	19.19



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				23060	23095	23130
Frequency (MHz)				704	707.5	711
10	QPSK	1	0	23.11	23.27	23.16
10	QPSK	1	25	22.78	23.05	23.05
10	QPSK	1	49	22.95	23.14	22.94
10	QPSK	25	0	21.99	22.46	22.09
10	QPSK	25	12	22.23	22.21	21.97
10	QPSK	25	25	22.26	22.16	22.34
10	QPSK	50	0	22.60	22.29	22.19
10	16QAM	1	0	22.59	22.62	22.59
10	16QAM	1	25	22.57	22.59	22.91
10	16QAM	1	49	22.84	22.83	22.93
10	16QAM	25	0	21.21	21.35	21.31
10	16QAM	25	12	21.19	21.42	21.59
10	16QAM	25	25	21.12	21.30	21.42
10	16QAM	50	0	21.31	21.61	21.24
10	64QAM	1	0	22.24	22.38	22.30
10	64QAM	1	25	22.29	22.14	22.00
10	64QAM	1	49	22.39	22.32	22.29
10	64QAM	25	0	21.23	21.33	21.28
10	64QAM	25	12	21.60	21.47	21.27
10	64QAM	25	25	21.33	21.28	21.25
10	64QAM	50	0	21.36	21.66	21.34



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	22.94	23.19	23.01
5	QPSK	1	12	23.02	23.06	23.04
5	QPSK	1	24	22.80	22.93	22.99
5	QPSK	12	0	22.15	22.38	22.20
5	QPSK	12	7	22.23	22.22	22.32
5	QPSK	12	13	22.24	22.39	22.22
5	QPSK	25	0	22.25	22.32	22.26
5	16QAM	1	0	22.64	22.93	22.66
5	16QAM	1	12	22.79	22.76	22.55
5	16QAM	1	24	22.60	22.57	22.66
5	16QAM	12	0	21.28	21.41	21.40
5	16QAM	12	7	21.27	21.38	21.47
5	16QAM	12	13	21.21	21.22	21.46
5	16QAM	25	0	21.66	21.52	21.71
5	64QAM	1	0	22.14	22.46	22.31
5	64QAM	1	12	22.37	22.37	22.30
5	64QAM	1	24	22.35	22.11	22.07
5	64QAM	12	0	21.28	21.21	21.64
5	64QAM	12	7	21.17	21.15	21.64
5	64QAM	12	13	21.16	21.30	21.51
5	64QAM	25	0	21.34	21.48	21.82



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23025	23095	23165
Frequency (MHz)				700.5	707.5	714.5
3	QPSK	1	0	23.07	23.18	23.15
3	QPSK	1	8	23.13	23.16	23.14
3	QPSK	1	14	23.12	23.15	23.16
3	QPSK	8	0	22.26	22.37	22.33
3	QPSK	8	4	22.24	22.28	22.26
3	QPSK	8	7	22.18	22.26	21.97
3	QPSK	15	0	22.15	22.43	22.25
3	16QAM	1	0	22.80	22.51	22.79
3	16QAM	1	8	22.77	22.47	22.81
3	16QAM	1	14	22.80	22.33	22.65
3	16QAM	8	0	21.38	21.34	21.67
3	16QAM	8	4	21.56	21.58	21.83
3	16QAM	8	7	21.33	21.52	21.75
3	16QAM	15	0	21.28	21.43	21.74
3	64QAM	1	0	22.42	22.32	22.61
3	64QAM	1	8	22.50	22.62	22.47
3	64QAM	1	14	22.51	22.51	22.46
3	64QAM	8	0	21.40	21.14	21.55
3	64QAM	8	4	21.40	21.39	21.47
3	64QAM	8	7	21.16	21.47	21.59
3	64QAM	15	0	21.47	21.34	21.80



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23017	23095	23173
Frequency (MHz)				699.7	707.5	715.3
1.4	QPSK	1	0	23.05	23.15	23.09
1.4	QPSK	1	3	23.11	23.10	23.07
1.4	QPSK	1	5	23.10	23.07	23.05
1.4	QPSK	3	0	23.12	23.04	23.01
1.4	QPSK	3	1	23.07	23.09	23.08
1.4	QPSK	3	3	23.12	23.03	23.07
1.4	QPSK	6	0	22.26	22.48	22.30
1.4	16QAM	1	0	22.26	22.66	22.52
1.4	16QAM	1	3	22.23	22.62	22.58
1.4	16QAM	1	5	22.20	22.64	22.61
1.4	16QAM	3	0	22.34	22.59	22.52
1.4	16QAM	3	1	22.37	22.47	22.46
1.4	16QAM	3	3	22.30	22.52	22.21
1.4	16QAM	6	0	20.98	20.98	21.28
1.4	64QAM	1	0	22.32	22.48	22.33
1.4	64QAM	1	3	22.08	22.45	22.16
1.4	64QAM	1	5	22.47	22.39	22.23
1.4	64QAM	3	0	22.28	22.34	22.58
1.4	64QAM	3	1	22.41	22.37	22.46
1.4	64QAM	3	3	22.43	22.38	22.11
1.4	64QAM	6	0	21.33	21.40	21.64



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	23.16	23.26	23.11
10	QPSK	1	25	23.26	23.24	22.96
10	QPSK	1	49	23.19	23.26	23.00
10	QPSK	25	0	22.03	22.44	22.17
10	QPSK	25	12	22.20	21.98	22.30
10	QPSK	25	25	22.24	22.11	22.33
10	QPSK	50	0	22.17	22.28	22.27
10	16QAM	1	0	22.55	22.60	22.57
10	16QAM	1	25	22.50	22.43	22.49
10	16QAM	1	49	22.75	22.56	22.47
10	16QAM	25	0	21.17	21.46	21.42
10	16QAM	25	12	21.22	21.30	21.23
10	16QAM	25	25	21.16	21.39	21.24
10	16QAM	50	0	21.21	21.26	21.21
10	64QAM	1	0	22.56	22.58	22.28
10	64QAM	1	25	22.48	22.24	22.26
10	64QAM	1	49	22.41	22.22	22.23
10	64QAM	25	0	21.34	21.44	21.30
10	64QAM	25	12	21.28	21.53	21.28
10	64QAM	25	25	21.20	21.47	21.27
10	64QAM	50	0	21.34	21.31	21.30



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	23.14	23.19	23.13
5	QPSK	1	12	23.19	23.17	23.16
5	QPSK	1	24	23.18	23.11	23.13
5	QPSK	12	0	22.26	22.30	22.18
5	QPSK	12	7	22.23	22.28	22.19
5	QPSK	12	13	22.27	22.21	22.17
5	QPSK	25	0	22.31	22.48	22.47
5	16QAM	1	0	22.15	22.22	22.44
5	16QAM	1	12	22.30	22.54	22.51
5	16QAM	1	24	22.30	22.34	22.43
5	16QAM	12	0	21.35	21.32	21.30
5	16QAM	12	7	21.31	21.37	21.65
5	16QAM	12	13	21.29	21.47	21.62
5	16QAM	25	0	21.46	21.41	21.58
5	64QAM	1	0	22.59	22.57	22.24
5	64QAM	1	12	22.60	22.45	22.57
5	64QAM	1	24	22.73	22.28	22.47
5	64QAM	12	0	21.42	21.44	21.42
5	64QAM	12	7	21.40	21.32	21.34
5	64QAM	12	13	21.38	21.52	21.62
5	64QAM	25	0	21.29	21.55	21.76



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	20.57	20.79	20.74
20	QPSK	1	49	20.31	20.68	20.62
20	QPSK	1	99	20.53	20.52	20.40
20	QPSK	50	0	19.59	19.75	19.73
20	QPSK	50	24	19.49	19.68	19.71
20	QPSK	50	50	19.29	19.58	19.51
20	QPSK	100	0	19.53	19.49	19.71
20	16QAM	1	0	20.15	20.27	19.95
20	16QAM	1	49	20.25	19.98	20.08
20	16QAM	1	99	20.06	19.86	20.04
20	16QAM	50	0	18.62	18.73	18.71
20	16QAM	50	24	18.51	18.74	18.58
20	16QAM	50	50	18.67	18.70	18.72
20	16QAM	100	0	18.67	18.74	18.79
20	64QAM	1	0	19.02	19.13	19.04
20	64QAM	1	49	18.84	18.69	18.95
20	64QAM	1	99	18.96	18.64	18.63
20	64QAM	50	0	17.63	17.98	17.64
20	64QAM	50	24	17.61	18.00	17.50
20	64QAM	50	50	17.76	17.85	17.54
20	64QAM	100	0	17.86	17.82	17.64



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132047	132322	132597
Frequency (MHz)				1717.5	1745	1772.5
15	QPSK	1	0	20.45	20.67	20.62
15	QPSK	1	37	20.19	20.56	20.50
15	QPSK	1	74	20.41	20.40	20.28
15	QPSK	36	0	19.47	19.63	19.61
15	QPSK	36	20	19.37	19.56	19.59
15	QPSK	36	39	19.17	19.46	19.39
15	QPSK	75	0	19.41	19.37	19.59
15	16QAM	1	0	20.03	20.15	19.83
15	16QAM	1	37	20.13	19.86	19.96
15	16QAM	1	74	19.94	19.74	19.92
15	16QAM	36	0	18.50	18.61	18.59
15	16QAM	36	20	18.39	18.62	18.46
15	16QAM	36	39	18.55	18.58	18.60
15	16QAM	75	0	18.55	18.62	18.67
15	64QAM	1	0	18.90	19.01	18.92
15	64QAM	1	37	18.72	18.57	18.83
15	64QAM	1	74	18.84	18.52	18.51
15	64QAM	36	0	17.51	17.86	17.52
15	64QAM	36	20	17.49	17.88	17.38
15	64QAM	36	39	17.64	17.73	17.42
15	64QAM	75	0	17.74	18.00	17.52



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132022	132322	132622
Frequency (MHz)				1715	1745	1775
10	QPSK	1	0	20.32	20.54	20.49
10	QPSK	1	25	20.06	20.43	20.37
10	QPSK	1	49	20.28	20.27	20.15
10	QPSK	25	0	19.34	19.50	19.48
10	QPSK	25	12	19.24	19.43	19.46
10	QPSK	25	25	19.04	19.33	19.26
10	QPSK	50	0	19.28	19.24	19.46
10	16QAM	1	0	19.90	20.02	19.70
10	16QAM	1	25	20.00	19.73	19.83
10	16QAM	1	49	19.81	19.61	19.79
10	16QAM	25	0	18.37	18.48	18.46
10	16QAM	25	12	18.26	18.49	18.33
10	16QAM	25	25	18.42	18.45	18.47
10	16QAM	50	0	18.42	18.49	18.54
10	64QAM	1	0	18.77	18.88	18.79
10	64QAM	1	25	18.59	18.44	18.70
10	64QAM	1	49	18.71	18.39	18.38
10	64QAM	25	0	17.38	17.73	17.39
10	64QAM	25	12	17.36	17.75	17.25
10	64QAM	25	25	17.51	17.60	17.29
10	64QAM	50	0	17.61	17.87	17.39



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				131997	132322	132647
Frequency (MHz)				1712.5	1745	1777.5
5	QPSK	1	0	20.21	20.43	20.38
5	QPSK	1	12	19.95	20.32	20.26
5	QPSK	1	24	20.17	20.16	20.04
5	QPSK	12	0	19.23	19.39	19.37
5	QPSK	12	7	19.13	19.32	19.35
5	QPSK	12	13	18.93	19.22	19.15
5	QPSK	25	0	19.17	19.13	19.35
5	16QAM	1	0	19.79	19.91	19.59
5	16QAM	1	12	19.89	19.62	19.72
5	16QAM	1	24	19.70	19.50	19.68
5	16QAM	12	0	18.26	18.37	18.35
5	16QAM	12	7	18.15	18.38	18.22
5	16QAM	12	13	18.31	18.34	18.36
5	16QAM	25	0	18.31	18.38	18.43
5	64QAM	1	0	18.66	18.77	18.68
5	64QAM	1	12	18.48	18.33	18.59
5	64QAM	1	24	18.60	18.28	18.27
5	64QAM	12	0	17.27	17.62	17.28
5	64QAM	12	7	17.25	17.64	17.14
5	64QAM	12	13	17.40	17.49	17.18
5	64QAM	25	0	17.50	17.76	17.28



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				131987	132322	132657
Frequency (MHz)				1711.5	1745	1778.5
3	QPSK	1	0	20.09	20.31	20.26
3	QPSK	1	8	19.83	20.20	20.14
3	QPSK	1	14	20.05	20.04	19.92
3	QPSK	8	0	19.11	19.27	19.25
3	QPSK	8	4	19.01	19.20	19.23
3	QPSK	8	7	18.81	19.10	19.03
3	QPSK	15	0	19.05	19.01	19.23
3	16QAM	1	0	19.67	19.79	19.47
3	16QAM	1	8	19.77	19.50	19.60
3	16QAM	1	14	19.58	19.38	19.56
3	16QAM	8	0	18.14	18.25	18.23
3	16QAM	8	4	18.03	18.26	18.10
3	16QAM	8	7	18.19	18.22	18.24
3	16QAM	15	0	18.19	18.26	18.31
3	64QAM	1	0	18.54	18.65	18.56
3	64QAM	1	8	18.36	18.21	18.47
3	64QAM	1	14	18.48	18.16	18.15
3	64QAM	8	0	17.15	17.50	17.16
3	64QAM	8	4	17.13	17.52	17.02
3	64QAM	8	7	17.28	17.37	17.06
3	64QAM	15	0	17.38	17.64	17.16



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	19.97	20.19	20.14
1.4	QPSK	1	3	19.71	20.08	20.02
1.4	QPSK	1	5	19.93	19.92	19.80
1.4	QPSK	3	0	18.99	19.15	19.13
1.4	QPSK	3	1	18.89	19.08	19.11
1.4	QPSK	3	3	18.69	18.98	18.91
1.4	QPSK	6	0	18.93	18.89	19.11
1.4	16QAM	1	0	19.55	19.67	19.35
1.4	16QAM	1	3	19.65	19.38	19.48
1.4	16QAM	1	5	19.46	19.26	19.44
1.4	16QAM	3	0	18.02	18.13	18.11
1.4	16QAM	3	1	17.91	18.14	17.98
1.4	16QAM	3	3	18.07	18.10	18.12
1.4	16QAM	6	0	18.09	18.14	18.19
1.4	64QAM	1	0	18.42	18.53	18.44
1.4	64QAM	1	3	18.24	18.09	18.35
1.4	64QAM	1	5	18.36	18.04	18.03
1.4	64QAM	3	0	17.03	17.38	17.04
1.4	64QAM	3	1	17.01	17.40	16.90
1.4	64QAM	3	3	17.16	17.25	16.94
1.4	64QAM	6	0	17.26	17.52	17.04



Effective Radiated Power and Effective Isotropic Radiated Power

LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18700		18900		19100	
Frequency (MHz)				1860		1880		1900	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	24.29	0.269	24.32	0.270	24.09	0.256
20	QPSK	1	49	24.01	0.252	23.85	0.243	23.81	0.240
20	QPSK	1	99	24.09	0.256	23.84	0.242	23.82	0.241
20	QPSK	50	0	22.65	0.184	22.76	0.189	22.43	0.175
20	QPSK	50	24	22.68	0.185	22.61	0.182	22.55	0.180
20	QPSK	50	50	22.63	0.183	22.59	0.182	22.36	0.172
20	QPSK	100	0	22.62	0.183	22.74	0.188	22.48	0.177
20	16QAM	1	0	23.42	0.220	23.26	0.212	23.36	0.217
20	16QAM	1	49	23.19	0.208	22.99	0.199	22.98	0.199
20	16QAM	1	99	23.15	0.207	23.01	0.200	23.18	0.208
20	16QAM	50	0	21.69	0.148	21.72	0.149	21.61	0.145
20	16QAM	50	24	21.71	0.148	21.81	0.152	21.52	0.142
20	16QAM	50	50	21.76	0.150	21.75	0.150	21.47	0.140
20	16QAM	100	0	21.75	0.150	21.86	0.153	21.66	0.147
20	64QAM	1	0	22.94	0.197	23.08	0.203	22.92	0.196
20	64QAM	1	49	22.82	0.191	22.61	0.182	22.59	0.182
20	64QAM	1	99	22.83	0.192	22.69	0.186	22.62	0.183
20	64QAM	50	0	21.82	0.152	22.10	0.162	21.66	0.147
20	64QAM	50	24	21.98	0.158	21.84	0.153	21.62	0.145
20	64QAM	50	50	21.77	0.150	21.68	0.147	21.97	0.157
20	64QAM	100	0	21.78	0.151	21.72	0.149	21.64	0.146



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18675		18900		19125	
Frequency (MHz)				1857.5		1880		1902.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	24.26	0.267	24.29	0.269	24.06	0.255
15	QPSK	1	37	23.98	0.250	23.82	0.241	23.78	0.239
15	QPSK	1	74	24.06	0.255	23.81	0.240	23.79	0.239
15	QPSK	36	0	22.61	0.182	22.76	0.189	22.48	0.177
15	QPSK	36	20	22.68	0.185	22.60	0.182	22.51	0.178
15	QPSK	36	39	22.67	0.185	22.72	0.187	22.31	0.170
15	QPSK	75	0	22.73	0.187	22.74	0.188	22.38	0.173
15	16QAM	1	0	23.38	0.218	23.34	0.216	22.94	0.197
15	16QAM	1	37	23.13	0.206	23.05	0.202	22.97	0.198
15	16QAM	1	74	23.17	0.207	23.33	0.215	23.17	0.207
15	16QAM	36	0	21.53	0.142	21.76	0.150	21.58	0.144
15	16QAM	36	20	21.76	0.150	21.45	0.140	21.57	0.144
15	16QAM	36	39	21.69	0.148	21.52	0.142	21.62	0.145
15	16QAM	75	0	21.88	0.154	21.64	0.146	21.64	0.146
15	64QAM	1	0	22.79	0.190	22.66	0.185	22.33	0.171
15	64QAM	1	37	22.75	0.188	22.67	0.185	22.57	0.181
15	64QAM	1	74	22.76	0.189	22.67	0.185	22.35	0.172
15	64QAM	36	0	21.76	0.150	21.77	0.150	21.72	0.149
15	64QAM	36	20	21.79	0.151	21.65	0.146	21.54	0.143
15	64QAM	36	39	21.73	0.149	21.64	0.146	21.40	0.138
15	64QAM	75	0	21.89	0.155	21.56	0.143	21.69	0.148



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18650		18900		19150	
Frequency (MHz)				1855		1880		1905	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	24.23	0.265	24.26	0.267	24.03	0.253
10	QPSK	1	25	23.95	0.248	23.79	0.239	23.75	0.237
10	QPSK	1	49	24.03	0.253	23.78	0.239	23.76	0.238
10	QPSK	25	0	22.55	0.180	22.76	0.189	22.34	0.171
10	QPSK	25	12	22.78	0.190	22.51	0.178	22.35	0.172
10	QPSK	25	25	22.75	0.188	22.49	0.177	22.36	0.172
10	QPSK	50	0	22.40	0.174	22.72	0.187	22.41	0.174
10	16QAM	1	0	23.11	0.205	23.15	0.207	22.77	0.189
10	16QAM	1	25	23.04	0.201	23.03	0.201	22.99	0.199
10	16QAM	1	49	23.07	0.203	22.75	0.188	22.74	0.188
10	16QAM	25	0	21.69	0.148	21.92	0.156	21.66	0.147
10	16QAM	25	12	21.93	0.156	21.79	0.151	21.67	0.147
10	16QAM	25	25	21.99	0.158	21.74	0.149	21.73	0.149
10	16QAM	50	0	21.65	0.146	21.75	0.150	21.43	0.139
10	64QAM	1	0	22.77	0.189	22.78	0.190	22.67	0.185
10	64QAM	1	25	22.95	0.197	22.90	0.195	23.00	0.200
10	64QAM	1	49	22.89	0.195	23.02	0.200	22.68	0.185
10	64QAM	25	0	21.90	0.155	21.99	0.158	21.60	0.145
10	64QAM	25	12	21.89	0.155	21.80	0.151	21.51	0.142
10	64QAM	25	25	21.99	0.158	21.80	0.151	21.70	0.148
10	64QAM	50	0	21.72	0.149	21.73	0.149	21.56	0.143



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18625		18900		19175	
Frequency (MHz)				1852.5		1880		1907.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	24.20	0.263	24.23	0.265	24.00	0.251
5	QPSK	1	12	23.92	0.247	23.76	0.238	23.72	0.236
5	QPSK	1	24	24.00	0.251	23.75	0.237	23.73	0.236
5	QPSK	12	0	22.73	0.187	22.74	0.188	22.37	0.173
5	QPSK	12	7	22.66	0.185	22.61	0.182	22.40	0.174
5	QPSK	12	13	22.70	0.186	22.48	0.177	22.29	0.169
5	QPSK	25	0	22.61	0.182	22.72	0.187	22.28	0.169
5	16QAM	1	0	23.35	0.216	23.39	0.218	22.96	0.198
5	16QAM	1	12	23.34	0.216	23.16	0.207	22.89	0.195
5	16QAM	1	24	23.16	0.207	22.89	0.195	22.90	0.195
5	16QAM	12	0	21.77	0.150	21.79	0.151	21.47	0.140
5	16QAM	12	7	21.79	0.151	21.69	0.148	21.53	0.142
5	16QAM	12	13	21.82	0.152	21.76	0.150	21.38	0.137
5	16QAM	25	0	21.99	0.158	22.04	0.160	21.58	0.144
5	64QAM	1	0	22.97	0.198	22.99	0.199	22.72	0.187
5	64QAM	1	12	22.78	0.190	22.51	0.178	22.54	0.179
5	64QAM	1	24	22.74	0.188	22.55	0.180	22.52	0.179
5	64QAM	12	0	21.72	0.149	21.89	0.155	21.60	0.145
5	64QAM	12	7	21.67	0.147	21.78	0.151	21.52	0.142
5	64QAM	12	13	21.82	0.152	21.90	0.155	21.57	0.144
5	64QAM	25	0	21.70	0.148	21.81	0.152	21.60	0.145



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18615		18900		19185	
Frequency (MHz)				1851.5		1880		1908.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	24.17	0.261	24.2	0.263	23.97	0.249
3	QPSK	1	8	23.89	0.245	23.73	0.236	23.69	0.234
3	QPSK	1	14	23.97	0.249	23.72	0.236	23.70	0.234
3	QPSK	8	0	22.66	0.185	22.68	0.185	22.36	0.172
3	QPSK	8	4	22.60	0.182	22.58	0.181	22.32	0.171
3	QPSK	8	7	22.76	0.189	22.56	0.180	22.33	0.171
3	QPSK	15	0	22.73	0.187	22.74	0.188	22.31	0.170
3	16QAM	1	0	23.14	0.206	23.28	0.213	22.82	0.191
3	16QAM	1	8	22.9	0.195	22.81	0.191	22.87	0.194
3	16QAM	1	14	23.14	0.206	22.79	0.190	22.79	0.190
3	16QAM	8	0	21.9	0.155	21.67	0.147	21.61	0.145
3	16QAM	8	4	21.96	0.157	21.75	0.150	21.56	0.143
3	16QAM	8	7	21.86	0.153	21.70	0.148	21.49	0.141
3	16QAM	15	0	21.79	0.151	21.80	0.151	21.64	0.146
3	64QAM	1	0	22.81	0.191	22.85	0.193	22.6	0.182
3	64QAM	1	8	22.73	0.187	22.81	0.191	22.48	0.177
3	64QAM	1	14	22.74	0.188	22.76	0.189	22.52	0.179
3	64QAM	8	0	21.84	0.153	21.94	0.156	21.61	0.145
3	64QAM	8	4	21.76	0.150	21.8	0.151	21.55	0.143
3	64QAM	8	7	21.67	0.147	21.54	0.143	21.51	0.142
3	64QAM	15	0	21.83	0.152	21.84	0.153	21.47	0.140



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18607		18900		19193	
Frequency (MHz)				1850.7		1880		1909.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	24.14	0.259	24.17	0.261	23.94	0.248
1.4	QPSK	1	3	23.86	0.243	23.70	0.234	23.66	0.232
1.4	QPSK	1	5	23.94	0.248	23.69	0.234	23.67	0.233
1.4	QPSK	3	0	23.57	0.228	23.67	0.233	23.39	0.218
1.4	QPSK	3	1	23.71	0.235	23.70	0.234	23.37	0.217
1.4	QPSK	3	3	23.70	0.234	23.58	0.228	23.40	0.219
1.4	QPSK	6	0	22.66	0.185	22.69	0.186	22.30	0.170
1.4	16QAM	1	0	22.86	0.193	22.97	0.198	22.83	0.192
1.4	16QAM	1	3	22.76	0.189	23.02	0.200	23.13	0.206
1.4	16QAM	1	5	22.93	0.196	22.99	0.199	22.77	0.189
1.4	16QAM	3	0	23.04	0.201	22.73	0.187	22.60	0.182
1.4	16QAM	3	1	23.02	0.200	22.86	0.193	22.72	0.187
1.4	16QAM	3	3	23.08	0.203	22.75	0.188	22.69	0.186
1.4	16QAM	6	0	21.72	0.149	21.38	0.137	21.25	0.133
1.4	64QAM	1	0	22.67	0.185	22.94	0.197	22.46	0.176
1.4	64QAM	1	3	22.68	0.185	22.82	0.191	22.51	0.178
1.4	64QAM	1	5	22.80	0.191	22.85	0.193	22.60	0.182
1.4	64QAM	3	0	22.83	0.192	22.84	0.192	22.54	0.179
1.4	64QAM	3	1	22.80	0.191	22.79	0.190	22.54	0.179
1.4	64QAM	3	3	22.80	0.191	22.57	0.181	22.42	0.175
1.4	64QAM	6	0	21.87	0.154	21.69	0.148	21.45	0.140



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20050		20175		20300	
Frequency (MHz)				1720		1732.5		1745	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	24.05	0.254	24.27	0.267	24.12	0.258
20	QPSK	1	49	23.85	0.243	23.98	0.250	23.93	0.247
20	QPSK	1	99	23.84	0.242	24.00	0.251	23.91	0.246
20	QPSK	50	0	22.95	0.197	23.04	0.201	22.98	0.199
20	QPSK	50	24	22.83	0.192	22.81	0.191	22.95	0.197
20	QPSK	50	50	22.67	0.185	22.85	0.193	23.04	0.201
20	QPSK	100	0	22.85	0.193	23.14	0.206	22.91	0.195
20	16QAM	1	0	23.64	0.231	23.73	0.236	23.70	0.234
20	16QAM	1	49	23.49	0.223	23.63	0.231	23.88	0.244
20	16QAM	1	99	23.41	0.219	23.38	0.218	23.45	0.221
20	16QAM	50	0	22.12	0.163	22.24	0.167	22.23	0.167
20	16QAM	50	24	21.96	0.157	22.02	0.159	22.16	0.164
20	16QAM	50	50	21.99	0.158	21.99	0.158	21.94	0.156
20	16QAM	100	0	22.04	0.160	22.04	0.160	22.09	0.162
20	64QAM	1	0	23.46	0.222	23.64	0.231	23.61	0.230
20	64QAM	1	49	23.32	0.215	23.51	0.224	23.42	0.220
20	64QAM	1	99	23.43	0.220	23.49	0.223	23.57	0.228
20	64QAM	50	0	22.12	0.163	22.14	0.164	22.20	0.166
20	64QAM	50	24	22.00	0.158	22.12	0.163	21.99	0.158
20	64QAM	50	50	22.06	0.161	22.13	0.163	21.96	0.157
20	64QAM	100	0	22.05	0.160	22.11	0.163	22.06	0.161



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20025		20175		20325	
Frequency (MHz)				1717.5		1732.5		1747.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	23.81	0.240	24.17	0.261	23.84	0.242
15	QPSK	1	37	23.78	0.239	23.79	0.239	23.91	0.246
15	QPSK	1	74	23.67	0.233	23.74	0.237	24.00	0.251
15	QPSK	36	0	22.96	0.198	23.00	0.200	22.97	0.198
15	QPSK	36	20	22.82	0.191	22.89	0.195	23.03	0.201
15	QPSK	36	39	22.85	0.193	22.96	0.198	22.93	0.196
15	QPSK	75	0	22.88	0.194	23.07	0.203	23.06	0.202
15	16QAM	1	0	23.40	0.219	23.75	0.237	23.38	0.218
15	16QAM	1	37	23.31	0.214	23.36	0.217	23.60	0.229
15	16QAM	1	74	23.59	0.229	23.29	0.213	23.33	0.215
15	16QAM	36	0	21.96	0.157	21.98	0.158	21.96	0.157
15	16QAM	36	20	21.97	0.157	22.00	0.158	22.02	0.159
15	16QAM	36	39	21.92	0.156	22.06	0.161	22.02	0.159
15	16QAM	75	0	22.03	0.160	22.18	0.165	22.13	0.163
15	64QAM	1	0	23.04	0.201	23.28	0.213	23.14	0.206
15	64QAM	1	37	22.78	0.190	22.92	0.196	22.79	0.190
15	64QAM	1	74	22.82	0.191	22.82	0.191	23.17	0.207
15	64QAM	36	0	22.05	0.160	22.23	0.167	22.15	0.164
15	64QAM	36	20	22.00	0.158	22.11	0.163	22.10	0.162
15	64QAM	36	39	21.94	0.156	21.92	0.156	22.14	0.164
15	64QAM	75	0	21.97	0.157	22.17	0.165	22.15	0.164



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20000		20175		20350	
Frequency (MHz)				1715		1732.5		1750	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	24.09	0.256	24.17	0.261	24.16	0.261
10	QPSK	1	25	23.97	0.249	23.94	0.248	23.93	0.247
10	QPSK	1	49	24.05	0.254	23.82	0.241	23.99	0.251
10	QPSK	25	0	22.96	0.198	22.98	0.199	22.94	0.197
10	QPSK	25	12	22.99	0.199	22.87	0.194	22.91	0.195
10	QPSK	25	25	22.82	0.191	22.87	0.194	22.96	0.198
10	QPSK	50	0	23.02	0.200	23.04	0.201	22.94	0.197
10	16QAM	1	0	23.67	0.233	23.75	0.237	23.38	0.218
10	16QAM	1	25	23.66	0.232	23.32	0.215	23.36	0.217
10	16QAM	1	49	23.38	0.218	23.65	0.232	23.37	0.217
10	16QAM	25	0	22.08	0.161	22.36	0.172	22.33	0.171
10	16QAM	25	12	22.19	0.166	21.99	0.158	22.31	0.170
10	16QAM	25	25	22.17	0.165	21.89	0.155	22.35	0.172
10	16QAM	50	0	22.04	0.160	22.03	0.160	22.04	0.160
10	64QAM	1	0	23.32	0.215	23.34	0.216	22.96	0.198
10	64QAM	1	25	23.26	0.212	22.97	0.198	23.25	0.211
10	64QAM	1	49	23.27	0.212	22.85	0.193	23.31	0.214
10	64QAM	25	0	21.99	0.158	22.28	0.169	22.16	0.164
10	64QAM	25	12	22.02	0.159	22.11	0.163	22.35	0.172
10	64QAM	25	25	21.91	0.155	22.02	0.159	22.24	0.167
10	64QAM	50	0	22.06	0.161	22.04	0.160	22.21	0.166



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19975		20175		20375	
Frequency (MHz)				1712.5		1732.5		1752.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	23.90	0.245	24.02	0.252	24.00	0.251
5	QPSK	1	12	23.84	0.242	23.88	0.244	24.07	0.255
5	QPSK	1	24	23.79	0.239	24.03	0.253	24.04	0.254
5	QPSK	12	0	22.91	0.195	23.08	0.203	23.06	0.202
5	QPSK	12	7	22.87	0.194	23.00	0.200	23.11	0.205
5	QPSK	12	13	22.89	0.195	22.94	0.197	23.06	0.202
5	QPSK	25	0	22.81	0.191	22.99	0.199	22.96	0.198
5	16QAM	1	0	23.50	0.224	23.73	0.236	23.34	0.216
5	16QAM	1	12	23.41	0.219	23.31	0.214	23.59	0.229
5	16QAM	1	24	23.74	0.237	23.27	0.212	23.26	0.212
5	16QAM	12	0	22.12	0.163	22.17	0.165	22.13	0.163
5	16QAM	12	7	22.06	0.161	22.06	0.161	22.15	0.164
5	16QAM	12	13	22.09	0.162	22.08	0.161	22.17	0.165
5	16QAM	25	0	22.05	0.160	22.22	0.167	22.38	0.173
5	64QAM	1	0	23.52	0.225	23.63	0.231	23.43	0.220
5	64QAM	1	12	23.30	0.214	23.14	0.206	23.29	0.213
5	64QAM	1	24	23.27	0.212	23.26	0.212	23.49	0.223
5	64QAM	12	0	22.10	0.162	22.18	0.165	22.17	0.165
5	64QAM	12	7	22.24	0.167	21.98	0.158	22.18	0.165
5	64QAM	12	13	22.04	0.160	22.13	0.163	22.22	0.167
5	64QAM	25	0	22.19	0.166	21.95	0.157	22.32	0.171



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	23.83	0.242	24.12	0.258	23.92	0.247
3	QPSK	1	8	23.83	0.242	24.00	0.251	23.87	0.244
3	QPSK	1	14	23.89	0.245	23.94	0.248	23.93	0.247
3	QPSK	8	0	22.98	0.199	22.99	0.199	22.98	0.199
3	QPSK	8	4	22.91	0.195	22.92	0.196	22.95	0.197
3	QPSK	8	7	22.88	0.194	22.94	0.197	23.05	0.202
3	QPSK	15	0	22.99	0.199	23.09	0.204	23.05	0.202
3	16QAM	1	0	23.48	0.223	23.77	0.238	23.49	0.223
3	16QAM	1	8	23.51	0.224	23.73	0.236	23.43	0.220
3	16QAM	1	14	23.38	0.218	23.35	0.216	23.43	0.220
3	16QAM	8	0	22.11	0.163	22.19	0.166	22.15	0.164
3	16QAM	8	4	22.04	0.160	22.25	0.168	22.19	0.166
3	16QAM	8	7	21.95	0.157	22.08	0.161	22.28	0.169
3	16QAM	15	0	22.10	0.162	22.19	0.166	22.09	0.162
3	64QAM	1	0	23.41	0.219	23.04	0.201	23.39	0.218
3	64QAM	1	8	23.64	0.231	22.98	0.199	23.45	0.221
3	64QAM	1	14	23.49	0.223	22.94	0.197	23.37	0.217
3	64QAM	8	0	21.99	0.158	21.95	0.157	22.00	0.158
3	64QAM	8	4	21.90	0.155	21.89	0.155	21.95	0.157
3	64QAM	8	7	22.09	0.162	21.92	0.156	21.95	0.157
3	64QAM	15	0	22.03	0.160	22.02	0.159	22.22	0.167



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19957		20175		20393	
Frequency (MHz)				1710.7		1732.5		1754.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	23.83	0.242	24.09	0.256	23.93	0.247
1.4	QPSK	1	3	23.90	0.245	23.89	0.245	23.92	0.247
1.4	QPSK	1	5	23.86	0.243	23.79	0.239	23.99	0.251
1.4	QPSK	3	0	23.97	0.249	23.98	0.250	23.87	0.244
1.4	QPSK	3	1	24.02	0.252	23.98	0.250	23.93	0.247
1.4	QPSK	3	3	24.02	0.252	23.94	0.248	23.98	0.250
1.4	QPSK	6	0	22.95	0.197	23.05	0.202	22.94	0.197
1.4	16QAM	1	0	23.51	0.224	23.62	0.230	23.6	0.229
1.4	16QAM	1	3	23.64	0.231	23.53	0.225	23.42	0.220
1.4	16QAM	1	5	23.41	0.219	23.55	0.226	23.86	0.243
1.4	16QAM	3	0	23.22	0.210	23.42	0.220	23.41	0.219
1.4	16QAM	3	1	23.03	0.201	23.15	0.207	23.33	0.215
1.4	16QAM	3	3	23.19	0.208	23.11	0.205	23.22	0.210
1.4	16QAM	6	0	21.94	0.156	21.96	0.157	21.75	0.150
1.4	64QAM	1	0	23.16	0.207	23.13	0.206	23.76	0.238
1.4	64QAM	1	3	22.91	0.195	23.03	0.201	23.50	0.224
1.4	64QAM	1	5	23.41	0.219	22.96	0.198	23.42	0.220
1.4	64QAM	3	0	22.74	0.188	23.33	0.215	23.01	0.200
1.4	64QAM	3	1	23.02	0.200	23.00	0.200	23.05	0.202
1.4	64QAM	3	3	22.97	0.198	23.11	0.205	23.29	0.213
1.4	64QAM	6	0	22.04	0.160	21.91	0.155	22.17	0.165



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20450		20525		20600	
Frequency (MHz)				829		836.5		844	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	20.08	0.102	20.56	0.114	20.31	0.107
10	QPSK	1	25	20.30	0.107	20.32	0.108	20.28	0.107
10	QPSK	1	49	20.29	0.107	20.33	0.108	20.26	0.106
10	QPSK	25	0	19.40	0.087	19.52	0.090	19.45	0.088
10	QPSK	25	12	19.36	0.086	19.50	0.089	19.36	0.086
10	QPSK	25	25	19.31	0.085	19.45	0.088	19.34	0.086
10	QPSK	50	0	19.35	0.086	19.52	0.090	19.32	0.086
10	16QAM	1	0	19.67	0.093	19.92	0.098	19.62	0.092
10	16QAM	1	25	19.52	0.090	19.91	0.098	19.81	0.096
10	16QAM	1	49	19.56	0.090	19.80	0.095	19.78	0.095
10	16QAM	25	0	18.50	0.071	18.80	0.076	18.69	0.074
10	16QAM	25	12	18.30	0.068	18.74	0.075	18.55	0.072
10	16QAM	25	25	18.36	0.069	18.75	0.075	18.62	0.073
10	16QAM	50	0	18.61	0.073	18.82	0.076	18.80	0.076
10	64QAM	1	0	19.28	0.085	19.28	0.085	19.25	0.084
10	64QAM	1	25	19.20	0.083	19.70	0.093	19.42	0.087
10	64QAM	1	49	19.39	0.087	19.45	0.088	19.37	0.086
10	64QAM	25	0	18.37	0.069	18.70	0.074	18.65	0.073
10	64QAM	25	12	18.23	0.067	18.66	0.073	18.61	0.073
10	64QAM	25	25	18.36	0.069	18.62	0.073	18.50	0.071
10	64QAM	50	0	18.63	0.073	18.84	0.077	18.81	0.076



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20425		20525		20625	
Frequency (MHz)				826.5		836.5		846.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	20.25	0.106	20.49	0.112	20.32	0.108
5	QPSK	1	12	20.30	0.107	20.42	0.110	20.38	0.109
5	QPSK	1	24	20.29	0.107	20.33	0.108	20.35	0.108
5	QPSK	12	0	19.24	0.084	19.36	0.086	19.29	0.085
5	QPSK	12	7	19.36	0.086	19.58	0.091	19.36	0.086
5	QPSK	12	13	19.31	0.085	19.69	0.093	19.30	0.085
5	QPSK	25	0	19.35	0.086	19.61	0.091	19.52	0.090
5	16QAM	1	0	19.79	0.095	19.92	0.098	19.81	0.096
5	16QAM	1	12	19.52	0.090	19.91	0.098	19.81	0.096
5	16QAM	1	24	19.56	0.090	19.80	0.095	19.78	0.095
5	16QAM	12	0	18.19	0.066	18.69	0.074	18.37	0.069
5	16QAM	12	7	18.30	0.068	18.64	0.073	18.55	0.072
5	16QAM	12	13	18.26	0.067	18.61	0.073	18.52	0.071
5	16QAM	25	0	18.51	0.071	18.96	0.079	18.80	0.076
5	64QAM	1	0	19.43	0.088	19.44	0.088	19.42	0.087
5	64QAM	1	12	19.20	0.083	19.70	0.093	19.42	0.087
5	64QAM	1	24	19.39	0.087	19.45	0.088	19.37	0.086
5	64QAM	12	0	18.46	0.070	18.82	0.076	18.40	0.069
5	64QAM	12	7	18.43	0.070	18.86	0.077	18.75	0.075
5	64QAM	12	13	18.38	0.069	18.62	0.073	18.80	0.076
5	64QAM	25	0	18.33	0.068	18.82	0.076	18.81	0.076



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20415		20525		20635	
Frequency (MHz)				825.5		836.5		847.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	20.09	0.102	20.45	0.111	20.32	0.108
3	QPSK	1	8	20.05	0.101	20.08	0.102	20.34	0.108
3	QPSK	1	14	20.07	0.102	20.20	0.105	20.32	0.108
3	QPSK	8	0	19.25	0.084	19.59	0.091	19.56	0.090
3	QPSK	8	4	19.17	0.083	19.55	0.090	19.44	0.088
3	QPSK	8	7	19.26	0.084	19.54	0.090	19.34	0.086
3	QPSK	15	0	19.27	0.085	19.65	0.092	19.40	0.087
3	16QAM	1	0	19.32	0.086	19.73	0.094	19.58	0.091
3	16QAM	1	8	19.26	0.084	19.71	0.094	19.39	0.087
3	16QAM	1	14	19.38	0.087	19.67	0.093	19.27	0.085
3	16QAM	8	0	18.37	0.069	18.77	0.075	18.68	0.074
3	16QAM	8	4	18.48	0.070	18.75	0.075	18.76	0.075
3	16QAM	8	7	18.45	0.070	18.72	0.074	18.73	0.075
3	16QAM	15	0	18.40	0.069	18.84	0.077	18.58	0.072
3	64QAM	1	0	19.41	0.087	19.81	0.096	19.79	0.095
3	64QAM	1	8	19.35	0.086	19.61	0.091	19.66	0.092
3	64QAM	1	14	19.47	0.089	19.58	0.091	19.41	0.087
3	64QAM	8	0	18.56	0.072	18.77	0.075	18.67	0.074
3	64QAM	8	4	18.41	0.069	18.55	0.072	18.71	0.074
3	64QAM	8	7	18.28	0.067	18.59	0.072	18.54	0.071
3	64QAM	15	0	18.49	0.071	18.96	0.079	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				20407		20525		20643	
Frequency (MHz)				824.7		836.5		848.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	20.18	0.104	20.48	0.112	20.41	0.110
1.4	QPSK	1	3	20.06	0.101	20.09	0.102	20.26	0.106
1.4	QPSK	1	5	20.04	0.101	20.11	0.103	20.23	0.105
1.4	QPSK	3	0	20.26	0.106	20.30	0.107	20.45	0.111
1.4	QPSK	3	1	20.31	0.107	20.35	0.108	20.38	0.109
1.4	QPSK	3	3	20.24	0.106	20.34	0.108	20.47	0.111
1.4	QPSK	6	0	19.21	0.083	19.58	0.091	19.30	0.085
1.4	16QAM	1	0	19.52	0.090	19.61	0.091	19.59	0.091
1.4	16QAM	1	3	19.46	0.088	19.91	0.098	19.43	0.088
1.4	16QAM	1	5	19.46	0.088	19.90	0.098	19.61	0.091
1.4	16QAM	3	0	19.46	0.088	19.95	0.099	19.55	0.090
1.4	16QAM	3	1	19.55	0.090	19.94	0.099	19.54	0.090
1.4	16QAM	3	3	19.51	0.089	19.95	0.099	19.48	0.089
1.4	16QAM	6	0	18.09	0.064	18.45	0.070	18.47	0.070
1.4	64QAM	1	0	19.45	0.088	19.74	0.094	19.40	0.087
1.4	64QAM	1	3	19.36	0.086	19.72	0.094	19.30	0.085
1.4	64QAM	1	5	19.30	0.085	19.67	0.093	19.28	0.085
1.4	64QAM	3	0	19.37	0.086	19.66	0.092	19.40	0.087
1.4	64QAM	3	1	19.32	0.086	19.71	0.094	19.34	0.086
1.4	64QAM	3	3	19.36	0.086	19.64	0.092	19.29	0.085
1.4	64QAM	6	0	18.26	0.067	18.75	0.075	18.74	0.075



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20850		21100		21350	
Frequency (MHz)				2510		2535		2560	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	22.11	0.163	22.30	0.170	22.14	0.164
20	QPSK	1	49	21.92	0.156	22.11	0.163	22.10	0.162
20	QPSK	1	99	22.09	0.162	22.11	0.163	22.24	0.167
20	QPSK	50	0	21.09	0.129	21.28	0.134	21.17	0.131
20	QPSK	50	24	21.12	0.129	21.25	0.133	20.74	0.119
20	QPSK	50	50	21.16	0.131	21.13	0.130	21.22	0.132
20	QPSK	100	0	21.17	0.131	21.24	0.133	21.13	0.130
20	16QAM	1	0	21.85	0.153	22.01	0.159	21.84	0.153
20	16QAM	1	49	21.86	0.153	21.82	0.152	21.77	0.150
20	16QAM	1	99	21.78	0.151	21.59	0.144	21.90	0.155
20	16QAM	50	0	20.32	0.108	20.35	0.108	20.30	0.107
20	16QAM	50	24	20.20	0.105	20.43	0.110	20.30	0.107
20	16QAM	50	50	20.30	0.107	20.33	0.108	20.37	0.109
20	16QAM	100	0	20.13	0.103	20.27	0.106	20.23	0.105
20	64QAM	1	0	21.22	0.132	21.57	0.144	21.47	0.140
20	64QAM	1	49	21.13	0.130	21.25	0.133	21.38	0.137
20	64QAM	1	99	21.41	0.138	21.53	0.142	21.40	0.138
20	64QAM	50	0	20.39	0.109	20.41	0.110	20.29	0.107
20	64QAM	50	24	20.20	0.105	20.13	0.103	20.28	0.107
20	64QAM	50	50	20.28	0.107	20.27	0.106	20.34	0.108
20	64QAM	100	0	20.18	0.104	20.28	0.107	20.52	0.113



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20825		21100		21375	
Frequency (MHz)				2507.5		2535		2562.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	22.05	0.160	22.25	0.168	22.01	0.159
15	QPSK	1	37	22.09	0.162	22.10	0.162	22.16	0.164
15	QPSK	1	74	22.10	0.162	22.06	0.161	21.88	0.154
15	QPSK	36	0	21.15	0.130	21.29	0.135	21.17	0.131
15	QPSK	36	20	21.20	0.132	21.21	0.132	21.20	0.132
15	QPSK	36	39	21.23	0.133	21.29	0.135	21.18	0.131
15	QPSK	75	0	21.10	0.129	21.04	0.127	21.24	0.133
15	16QAM	1	0	21.82	0.152	21.92	0.156	21.75	0.150
15	16QAM	1	37	21.99	0.158	21.65	0.146	21.83	0.152
15	16QAM	1	74	21.66	0.147	21.77	0.150	21.91	0.155
15	16QAM	36	0	20.25	0.106	20.27	0.106	20.23	0.105
15	16QAM	36	20	20.20	0.105	20.25	0.106	20.31	0.107
15	16QAM	36	39	20.22	0.105	20.14	0.103	20.25	0.106
15	16QAM	75	0	20.29	0.107	20.49	0.112	20.45	0.111
15	64QAM	1	0	21.32	0.136	21.47	0.140	21.46	0.140
15	64QAM	1	37	21.19	0.132	21.44	0.139	21.12	0.129
15	64QAM	1	74	21.35	0.136	21.42	0.139	21.45	0.140
15	64QAM	36	0	20.54	0.113	20.64	0.116	20.41	0.110
15	64QAM	36	20	20.27	0.106	20.27	0.106	20.48	0.112
15	64QAM	36	39	20.47	0.111	20.15	0.104	20.41	0.110
15	64QAM	75	0	20.29	0.107	20.27	0.106	20.43	0.110



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20800		21100		21400	
Frequency (MHz)				2505		2535		2565	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	21.93	0.156	22.16	0.164	22.00	0.158
10	QPSK	1	25	22.00	0.158	22.02	0.159	22.04	0.160
10	QPSK	1	49	21.95	0.157	21.98	0.158	22.11	0.163
10	QPSK	25	0	21.23	0.133	21.38	0.137	21.30	0.135
10	QPSK	25	12	21.07	0.128	21.07	0.128	21.28	0.134
10	QPSK	25	25	21.12	0.129	21.12	0.129	21.27	0.134
10	QPSK	50	0	21.44	0.139	21.10	0.129	21.22	0.132
10	16QAM	1	0	21.80	0.151	21.83	0.152	21.77	0.150
10	16QAM	1	25	22.01	0.159	21.66	0.147	21.76	0.150
10	16QAM	1	49	21.71	0.148	22.02	0.159	21.73	0.149
10	16QAM	25	0	20.21	0.105	20.44	0.111	20.60	0.115
10	16QAM	25	12	20.37	0.109	20.30	0.107	20.63	0.116
10	16QAM	25	25	20.22	0.105	20.22	0.105	20.71	0.118
10	16QAM	50	0	20.39	0.109	20.30	0.107	20.49	0.112
10	64QAM	1	0	21.19	0.132	21.40	0.138	21.37	0.137
10	64QAM	1	25	21.31	0.135	20.99	0.126	21.41	0.138
10	64QAM	1	49	21.36	0.137	21.42	0.139	21.48	0.141
10	64QAM	25	0	20.20	0.105	20.54	0.113	20.52	0.113
10	64QAM	25	12	20.30	0.107	20.08	0.102	20.53	0.113
10	64QAM	25	25	20.38	0.109	20.24	0.106	20.52	0.113
10	64QAM	50	0	20.33	0.108	20.23	0.105	20.43	0.110



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20775		21100		21425	
Frequency (MHz)				2502.5		2535		2567.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	22.06	0.161	22.18	0.165	22.03	0.160
5	QPSK	1	12	21.98	0.158	22.13	0.163	22.10	0.162
5	QPSK	1	24	22.10	0.162	21.98	0.158	21.74	0.149
5	QPSK	12	0	21.17	0.131	21.51	0.142	21.45	0.140
5	QPSK	12	7	21.22	0.132	21.15	0.130	21.49	0.141
5	QPSK	12	13	21.24	0.133	21.14	0.130	21.43	0.139
5	QPSK	25	0	21.25	0.133	21.21	0.132	21.52	0.142
5	16QAM	1	0	22.05	0.160	22.09	0.162	21.91	0.155
5	16QAM	1	12	21.76	0.150	21.82	0.152	21.93	0.156
5	16QAM	1	24	21.64	0.146	21.83	0.152	21.82	0.152
5	16QAM	12	0	20.12	0.103	20.60	0.115	20.54	0.113
5	16QAM	12	7	20.21	0.105	20.21	0.105	20.50	0.112
5	16QAM	12	13	20.21	0.105	20.25	0.106	20.55	0.114
5	16QAM	25	0	20.31	0.107	20.52	0.113	20.60	0.115
5	64QAM	1	0	21.25	0.133	21.63	0.146	21.67	0.147
5	64QAM	1	12	21.24	0.133	21.23	0.133	21.67	0.147
5	64QAM	1	24	21.20	0.132	21.30	0.135	21.41	0.138
5	64QAM	12	0	20.23	0.105	20.47	0.111	20.69	0.117
5	64QAM	12	7	20.35	0.108	20.42	0.110	20.40	0.110
5	64QAM	12	13	20.40	0.110	20.41	0.110	20.61	0.115
5	64QAM	25	0	20.25	0.106	20.49	0.112	20.69	0.117



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	19.76	0.095	19.92	0.098	19.81	0.096
10	QPSK	1	25	19.43	0.088	19.70	0.093	19.70	0.093
10	QPSK	1	49	19.60	0.091	19.79	0.095	19.59	0.091
10	QPSK	25	0	18.64	0.073	19.11	0.081	18.74	0.075
10	QPSK	25	12	18.88	0.077	18.86	0.077	18.62	0.073
10	QPSK	25	25	18.91	0.078	18.81	0.076	18.99	0.079
10	QPSK	50	0	19.25	0.084	18.94	0.078	18.84	0.077
10	16QAM	1	0	19.24	0.084	19.27	0.085	19.24	0.084
10	16QAM	1	25	19.22	0.084	19.24	0.084	19.56	0.090
10	16QAM	1	49	19.49	0.089	19.48	0.089	19.58	0.091
10	16QAM	25	0	17.86	0.061	18.00	0.063	17.96	0.063
10	16QAM	25	12	17.84	0.061	18.07	0.064	18.24	0.067
10	16QAM	25	25	17.77	0.060	17.95	0.062	18.07	0.064
10	16QAM	50	0	17.96	0.063	18.26	0.067	17.89	0.062
10	64QAM	1	0	18.89	0.077	19.03	0.080	18.95	0.079
10	64QAM	1	25	18.94	0.078	18.79	0.076	18.65	0.073
10	64QAM	1	49	19.04	0.080	18.97	0.079	18.94	0.078
10	64QAM	25	0	17.88	0.061	17.98	0.063	17.93	0.062
10	64QAM	25	12	18.25	0.067	18.12	0.065	17.92	0.062
10	64QAM	25	25	17.98	0.063	17.93	0.062	17.90	0.062
10	64QAM	50	0	18.01	0.063	18.31	0.068	17.99	0.063



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23035		23095		23155	
Frequency (MHz)				701.5		707.5		713.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	19.59	0.091	19.84	0.096	19.66	0.092
5	QPSK	1	12	19.67	0.093	19.71	0.094	19.69	0.093
5	QPSK	1	24	19.45	0.088	19.58	0.091	19.64	0.092
5	QPSK	12	0	18.80	0.076	19.03	0.080	18.85	0.077
5	QPSK	12	7	18.88	0.077	18.87	0.077	18.97	0.079
5	QPSK	12	13	18.89	0.077	19.04	0.080	18.87	0.077
5	QPSK	25	0	18.90	0.078	18.97	0.079	18.91	0.078
5	16QAM	1	0	19.29	0.085	19.58	0.091	19.31	0.085
5	16QAM	1	12	19.44	0.088	19.41	0.087	19.20	0.083
5	16QAM	1	24	19.25	0.084	19.22	0.084	19.31	0.085
5	16QAM	12	0	17.93	0.062	18.06	0.064	18.05	0.064
5	16QAM	12	7	17.92	0.062	18.03	0.064	18.12	0.065
5	16QAM	12	13	17.86	0.061	17.87	0.061	18.11	0.065
5	16QAM	25	0	18.31	0.068	18.17	0.066	18.36	0.069
5	64QAM	1	0	18.79	0.076	19.11	0.081	18.96	0.079
5	64QAM	1	12	19.02	0.080	19.02	0.080	18.95	0.079
5	64QAM	1	24	19.00	0.079	18.76	0.075	18.72	0.074
5	64QAM	12	0	17.93	0.062	17.86	0.061	18.29	0.067
5	64QAM	12	7	17.82	0.061	17.80	0.060	18.29	0.067
5	64QAM	12	13	17.81	0.060	17.95	0.062	18.16	0.065
5	64QAM	25	0	17.99	0.063	18.13	0.065	18.47	0.070



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23025		23095		23165	
Frequency (MHz)				700.5		707.5		714.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	19.72	0.094	19.83	0.096	19.80	0.095
3	QPSK	1	8	19.78	0.095	19.81	0.096	19.79	0.095
3	QPSK	1	14	19.77	0.095	19.80	0.095	19.81	0.096
3	QPSK	8	0	18.91	0.078	19.02	0.080	18.98	0.079
3	QPSK	8	4	18.89	0.077	18.93	0.078	18.91	0.078
3	QPSK	8	7	18.83	0.076	18.91	0.078	18.62	0.073
3	QPSK	15	0	18.80	0.076	19.08	0.081	18.90	0.078
3	16QAM	1	0	19.45	0.088	19.16	0.082	19.44	0.088
3	16QAM	1	8	19.42	0.087	19.12	0.082	19.46	0.088
3	16QAM	1	14	19.45	0.088	18.98	0.079	19.30	0.085
3	16QAM	8	0	18.03	0.064	17.99	0.063	18.32	0.068
3	16QAM	8	4	18.21	0.066	18.23	0.067	18.48	0.070
3	16QAM	8	7	17.98	0.063	18.17	0.066	18.40	0.069
3	16QAM	15	0	17.93	0.062	18.08	0.064	18.39	0.069
3	64QAM	1	0	19.07	0.081	18.97	0.079	19.26	0.084
3	64QAM	1	8	19.15	0.082	19.27	0.085	19.12	0.082
3	64QAM	1	14	19.16	0.082	19.16	0.082	19.11	0.081
3	64QAM	8	0	18.05	0.064	17.79	0.060	18.20	0.066
3	64QAM	8	4	18.05	0.064	18.04	0.064	18.12	0.065
3	64QAM	8	7	17.81	0.060	18.12	0.065	18.24	0.067
3	64QAM	15	0	18.12	0.065	17.99	0.063	18.45	0.070



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23017		23095		23173	
Frequency (MHz)				699.7		707.5		715.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	19.70	0.093	19.80	0.095	19.74	0.094
1.4	QPSK	1	3	19.76	0.095	19.75	0.094	19.72	0.094
1.4	QPSK	1	5	19.75	0.094	19.72	0.094	19.70	0.093
1.4	QPSK	3	0	19.77	0.095	19.69	0.093	19.66	0.092
1.4	QPSK	3	1	19.72	0.094	19.74	0.094	19.73	0.094
1.4	QPSK	3	3	19.77	0.095	19.68	0.093	19.72	0.094
1.4	QPSK	6	0	18.91	0.078	19.13	0.082	18.95	0.079
1.4	16QAM	1	0	18.91	0.078	19.31	0.085	19.17	0.083
1.4	16QAM	1	3	18.88	0.077	19.27	0.085	19.23	0.084
1.4	16QAM	1	5	18.85	0.077	19.29	0.085	19.26	0.084
1.4	16QAM	3	0	18.99	0.079	19.24	0.084	19.17	0.083
1.4	16QAM	3	1	19.02	0.080	19.12	0.082	19.11	0.081
1.4	16QAM	3	3	18.95	0.079	19.17	0.083	18.86	0.077
1.4	16QAM	6	0	17.63	0.058	17.63	0.058	17.93	0.062
1.4	64QAM	1	0	18.97	0.079	19.13	0.082	18.98	0.079
1.4	64QAM	1	3	18.73	0.075	19.10	0.081	18.81	0.076
1.4	64QAM	1	5	19.12	0.082	19.04	0.080	18.88	0.077
1.4	64QAM	3	0	18.93	0.078	18.99	0.079	19.23	0.084
1.4	64QAM	3	1	19.06	0.081	19.02	0.080	19.11	0.081
1.4	64QAM	3	3	19.08	0.081	19.03	0.080	18.76	0.075
1.4	64QAM	6	0	17.98	0.063	18.05	0.064	18.29	0.067



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	22.21	0.166	22.31	0.170	22.16	0.164
10	QPSK	1	25	22.31	0.170	22.29	0.169	22.01	0.159
10	QPSK	1	49	22.24	0.167	22.31	0.170	22.05	0.160
10	QPSK	25	0	21.08	0.128	21.49	0.141	21.22	0.132
10	QPSK	25	12	21.25	0.133	21.03	0.127	21.35	0.136
10	QPSK	25	25	21.29	0.135	21.16	0.131	21.38	0.137
10	QPSK	50	0	21.22	0.132	21.33	0.136	21.32	0.136
10	16QAM	1	0	21.60	0.145	21.65	0.146	21.62	0.145
10	16QAM	1	25	21.55	0.143	21.48	0.141	21.54	0.143
10	16QAM	1	49	21.80	0.151	21.61	0.145	21.52	0.142
10	16QAM	25	0	20.22	0.105	20.51	0.112	20.47	0.111
10	16QAM	25	12	20.27	0.106	20.35	0.108	20.28	0.107
10	16QAM	25	25	20.21	0.105	20.44	0.111	20.29	0.107
10	16QAM	50	0	20.26	0.106	20.31	0.107	20.26	0.106
10	64QAM	1	0	21.61	0.145	21.63	0.146	21.33	0.136
10	64QAM	1	25	21.53	0.142	21.29	0.135	21.31	0.135
10	64QAM	1	49	21.46	0.140	21.27	0.134	21.28	0.134
10	64QAM	25	0	20.39	0.109	20.49	0.112	20.35	0.108
10	64QAM	25	12	20.33	0.108	20.58	0.114	20.33	0.108
10	64QAM	25	25	20.25	0.106	20.52	0.113	20.32	0.108
10	64QAM	50	0	20.39	0.109	20.36	0.109	20.35	0.108



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	22.19	0.166	22.24	0.167	22.18	0.165
5	QPSK	1	12	22.24	0.167	22.22	0.167	22.21	0.166
5	QPSK	1	24	22.23	0.167	22.16	0.164	22.18	0.165
5	QPSK	12	0	21.31	0.135	21.35	0.136	21.23	0.133
5	QPSK	12	7	21.28	0.134	21.33	0.136	21.24	0.133
5	QPSK	12	13	21.32	0.136	21.26	0.134	21.22	0.132
5	QPSK	25	0	21.36	0.137	21.53	0.142	21.52	0.142
5	16QAM	1	0	21.20	0.132	21.27	0.134	21.49	0.141
5	16QAM	1	12	21.35	0.136	21.59	0.144	21.56	0.143
5	16QAM	1	24	21.35	0.136	21.39	0.138	21.48	0.141
5	16QAM	12	0	20.40	0.110	20.37	0.109	20.35	0.108
5	16QAM	12	7	20.36	0.109	20.42	0.110	20.70	0.117
5	16QAM	12	13	20.34	0.108	20.52	0.113	20.67	0.117
5	16QAM	25	0	20.51	0.112	20.46	0.111	20.63	0.116
5	64QAM	1	0	21.64	0.146	21.62	0.145	21.29	0.135
5	64QAM	1	12	21.65	0.146	21.50	0.141	21.62	0.145
5	64QAM	1	24	21.78	0.151	21.33	0.136	21.52	0.142
5	64QAM	12	0	20.47	0.111	20.49	0.112	20.47	0.111
5	64QAM	12	7	20.45	0.111	20.37	0.109	20.39	0.109
5	64QAM	12	13	20.43	0.110	20.57	0.114	20.67	0.117
5	64QAM	25	0	20.34	0.108	20.60	0.115	20.81	0.121



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	21.97	0.157	22.19	0.166	22.14	0.164
20	QPSK	1	49	21.71	0.148	22.08	0.161	22.02	0.159
20	QPSK	1	99	21.93	0.156	21.92	0.156	21.80	0.151
20	QPSK	50	0	20.99	0.126	21.15	0.130	21.13	0.130
20	QPSK	50	24	20.89	0.123	21.08	0.128	21.11	0.129
20	QPSK	50	50	20.69	0.117	20.98	0.125	20.91	0.123
20	QPSK	100	0	20.93	0.124	20.89	0.123	21.11	0.129
20	16QAM	1	0	21.55	0.143	21.67	0.147	21.35	0.136
20	16QAM	1	49	21.65	0.146	21.38	0.137	21.48	0.141
20	16QAM	1	99	21.46	0.140	21.26	0.134	21.44	0.139
20	16QAM	50	0	20.02	0.100	20.13	0.103	20.11	0.103
20	16QAM	50	24	19.91	0.098	20.14	0.103	19.98	0.100
20	16QAM	50	50	20.07	0.102	20.10	0.102	20.12	0.103
20	16QAM	100	0	20.07	0.102	20.14	0.103	20.19	0.104
20	64QAM	1	0	20.42	0.110	20.53	0.113	20.44	0.111
20	64QAM	1	49	20.24	0.106	20.09	0.102	20.35	0.108
20	64QAM	1	99	20.36	0.109	20.04	0.101	20.03	0.101
20	64QAM	50	0	19.03	0.080	19.38	0.087	19.04	0.080
20	64QAM	50	24	19.01	0.080	19.40	0.087	18.90	0.078
20	64QAM	50	50	19.16	0.082	19.25	0.084	18.94	0.078
20	64QAM	100	0	19.26	0.084	19.22	0.084	19.04	0.080



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132047		132322		132597	
Frequency (MHz)				1717.5		1745		1772.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	21.85	0.153	22.07	0.161	22.02	0.159
15	QPSK	1	37	21.59	0.144	21.96	0.157	21.90	0.155
15	QPSK	1	74	21.81	0.152	21.80	0.151	21.68	0.147
15	QPSK	36	0	20.87	0.122	21.03	0.127	21.01	0.126
15	QPSK	36	20	20.77	0.119	20.96	0.125	20.99	0.126
15	QPSK	36	39	20.57	0.114	20.86	0.122	20.79	0.120
15	QPSK	75	0	20.81	0.121	20.77	0.119	20.99	0.126
15	16QAM	1	0	21.43	0.139	21.55	0.143	21.23	0.133
15	16QAM	1	37	21.53	0.142	21.26	0.134	21.36	0.137
15	16QAM	1	74	21.34	0.136	21.14	0.130	21.32	0.136
15	16QAM	36	0	19.90	0.098	20.01	0.100	19.99	0.100
15	16QAM	36	20	19.79	0.095	20.02	0.100	19.86	0.097
15	16QAM	36	39	19.95	0.099	19.98	0.100	20.00	0.100
15	16QAM	75	0	19.95	0.099	20.02	0.100	20.07	0.102
15	64QAM	1	0	20.30	0.107	20.41	0.110	20.32	0.108
15	64QAM	1	37	20.12	0.103	19.97	0.099	20.23	0.105
15	64QAM	1	74	20.24	0.106	19.92	0.098	19.91	0.098
15	64QAM	36	0	18.91	0.078	19.26	0.084	18.92	0.078
15	64QAM	36	20	18.89	0.077	19.28	0.085	18.78	0.076
15	64QAM	36	39	19.04	0.080	19.13	0.082	18.82	0.076
15	64QAM	75	0	19.14	0.082	19.40	0.087	18.92	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				132022		132322		132622	
Frequency (MHz)				1715		1745		1775	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	21.72	0.149	21.94	0.156	21.89	0.155
10	QPSK	1	25	21.46	0.140	21.83	0.152	21.77	0.150
10	QPSK	1	49	21.68	0.147	21.67	0.147	21.55	0.143
10	QPSK	25	0	20.74	0.119	20.90	0.123	20.88	0.122
10	QPSK	25	12	20.64	0.116	20.83	0.121	20.86	0.122
10	QPSK	25	25	20.44	0.111	20.73	0.118	20.66	0.116
10	QPSK	50	0	20.68	0.117	20.64	0.116	20.86	0.122
10	16QAM	1	0	21.30	0.135	21.42	0.139	21.10	0.129
10	16QAM	1	25	21.40	0.138	21.13	0.130	21.23	0.133
10	16QAM	1	49	21.21	0.132	21.01	0.126	21.19	0.132
10	16QAM	25	0	19.77	0.095	19.88	0.097	19.86	0.097
10	16QAM	25	12	19.66	0.092	19.89	0.097	19.73	0.094
10	16QAM	25	25	19.82	0.096	19.85	0.097	19.87	0.097
10	16QAM	50	0	19.82	0.096	19.89	0.097	19.94	0.099
10	64QAM	1	0	20.17	0.104	20.28	0.107	20.19	0.104
10	64QAM	1	25	19.99	0.100	19.84	0.096	20.10	0.102
10	64QAM	1	49	20.11	0.103	19.79	0.095	19.78	0.095
10	64QAM	25	0	18.78	0.076	19.13	0.082	18.79	0.076
10	64QAM	25	12	18.76	0.075	19.15	0.082	18.65	0.073
10	64QAM	25	25	18.91	0.078	19.00	0.079	18.69	0.074
10	64QAM	50	0	19.01	0.080	19.27	0.085	18.79	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				131997		132322		132647	
Frequency (MHz)				1712.5		1745		1777.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	21.61	0.145	21.83	0.152	21.78	0.151
5	QPSK	1	12	21.35	0.136	21.72	0.149	21.66	0.147
5	QPSK	1	24	21.57	0.144	21.56	0.143	21.44	0.139
5	QPSK	12	0	20.63	0.116	20.79	0.120	20.77	0.119
5	QPSK	12	7	20.53	0.113	20.72	0.118	20.75	0.119
5	QPSK	12	13	20.33	0.108	20.62	0.115	20.55	0.114
5	QPSK	25	0	20.57	0.114	20.53	0.113	20.75	0.119
5	16QAM	1	0	21.19	0.132	21.31	0.135	20.99	0.126
5	16QAM	1	12	21.29	0.135	21.02	0.126	21.12	0.129
5	16QAM	1	24	21.10	0.129	20.90	0.123	21.08	0.128
5	16QAM	12	0	19.66	0.092	19.77	0.095	19.75	0.094
5	16QAM	12	7	19.55	0.090	19.78	0.095	19.62	0.092
5	16QAM	12	13	19.71	0.094	19.74	0.094	19.76	0.095
5	16QAM	25	0	19.71	0.094	19.78	0.095	19.83	0.096
5	64QAM	1	0	20.06	0.101	20.17	0.104	20.08	0.102
5	64QAM	1	12	19.88	0.097	19.73	0.094	19.99	0.100
5	64QAM	1	24	20.00	0.100	19.68	0.093	19.67	0.093
5	64QAM	12	0	18.67	0.074	19.02	0.080	18.68	0.074
5	64QAM	12	7	18.65	0.073	19.04	0.080	18.54	0.071
5	64QAM	12	13	18.80	0.076	18.89	0.077	18.58	0.072
5	64QAM	25	0	18.90	0.078	19.16	0.082	18.68	0.074



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	21.49	0.141	21.71	0.148	21.66	0.147
3	QPSK	1	8	21.23	0.133	21.60	0.145	21.54	0.143
3	QPSK	1	14	21.45	0.140	21.44	0.139	21.32	0.136
3	QPSK	8	0	20.51	0.112	20.67	0.117	20.65	0.116
3	QPSK	8	4	20.41	0.110	20.60	0.115	20.63	0.116
3	QPSK	8	7	20.21	0.105	20.50	0.112	20.43	0.110
3	QPSK	15	0	20.45	0.111	20.41	0.110	20.63	0.116
3	16QAM	1	0	21.07	0.128	21.19	0.132	20.87	0.122
3	16QAM	1	8	21.17	0.131	20.90	0.123	21.00	0.126
3	16QAM	1	14	20.98	0.125	20.78	0.120	20.96	0.125
3	16QAM	8	0	19.54	0.090	19.65	0.092	19.63	0.092
3	16QAM	8	4	19.43	0.088	19.66	0.092	19.50	0.089
3	16QAM	8	7	19.59	0.091	19.62	0.092	19.64	0.092
3	16QAM	15	0	19.59	0.091	19.66	0.092	19.71	0.094
3	64QAM	1	0	19.94	0.099	20.05	0.101	19.96	0.099
3	64QAM	1	8	19.76	0.095	19.61	0.091	19.87	0.097
3	64QAM	1	14	19.88	0.097	19.56	0.090	19.55	0.090
3	64QAM	8	0	18.55	0.072	18.90	0.078	18.56	0.072
3	64QAM	8	4	18.53	0.071	18.92	0.078	18.42	0.070
3	64QAM	8	7	18.68	0.074	18.77	0.075	18.46	0.070
3	64QAM	15	0	18.78	0.076	19.04	0.080	18.56	0.072



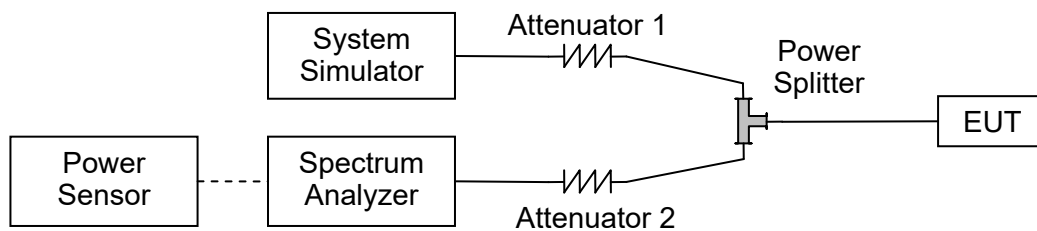
LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131979		132322		132665	
Frequency (MHz)				1710.7		1745		1779.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	21.37	0.137	21.59	0.144	21.54	0.143
1.4	QPSK	1	3	21.11	0.129	21.48	0.141	21.42	0.139
1.4	QPSK	1	5	21.33	0.136	21.32	0.136	21.20	0.132
1.4	QPSK	3	0	20.39	0.109	20.55	0.114	20.53	0.113
1.4	QPSK	3	1	20.29	0.107	20.48	0.112	20.51	0.112
1.4	QPSK	3	3	20.09	0.102	20.38	0.109	20.31	0.107
1.4	QPSK	6	0	20.33	0.108	20.29	0.107	20.51	0.112
1.4	16QAM	1	0	20.95	0.124	21.07	0.128	20.75	0.119
1.4	16QAM	1	3	21.05	0.127	20.78	0.120	20.88	0.122
1.4	16QAM	1	5	20.86	0.122	20.66	0.116	20.84	0.121
1.4	16QAM	3	0	19.42	0.087	19.53	0.090	19.51	0.089
1.4	16QAM	3	1	19.31	0.085	19.54	0.090	19.38	0.087
1.4	16QAM	3	3	19.47	0.089	19.50	0.089	19.52	0.090
1.4	16QAM	6	0	19.49	0.089	19.54	0.090	19.59	0.091
1.4	64QAM	1	0	19.82	0.096	19.93	0.098	19.84	0.096
1.4	64QAM	1	3	19.64	0.092	19.49	0.089	19.75	0.094
1.4	64QAM	1	5	19.76	0.095	19.44	0.088	19.43	0.088
1.4	64QAM	3	0	18.43	0.070	18.78	0.076	18.44	0.070
1.4	64QAM	3	1	18.41	0.069	18.80	0.076	18.30	0.068
1.4	64QAM	3	3	18.56	0.072	18.65	0.073	18.34	0.068
1.4	64QAM	6	0	18.66	0.073	18.92	0.078	18.44	0.070

2.2. Occupied Bandwidth

2.2.1. Requirement

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

2.2.2. Test Description



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

2.2.3. Test Procedure

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

2.2.4. Test Result



LTE Band 2				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.24
	Low	16QAM	1.10	1.26
	Low	64QAM	1.10	1.24
	Mid	QPSK	1.10	1.24
	Mid	16QAM	1.10	1.25
	Mid	64QAM	1.10	1.25
	High	QPSK	1.10	1.24
	High	16QAM	1.10	1.25
	High	64QAM	1.10	1.25
3	Low	QPSK	2.71	3.04
	Low	16QAM	2.71	3.05
	Low	64QAM	2.72	3.07
	Mid	QPSK	2.72	3.03
	Mid	16QAM	2.72	3.07
	Mid	64QAM	2.72	3.06
	High	QPSK	2.72	3.05
	High	16QAM	2.72	3.03
	High	64QAM	2.73	3.06
5	Low	QPSK	4.50	4.97
	Low	16QAM	4.50	4.97
	Low	64QAM	4.49	4.95
	Mid	QPSK	4.50	4.98
	Mid	16QAM	4.51	5.01
	Mid	64QAM	4.50	4.96
	High	QPSK	4.52	4.87
	High	16QAM	4.49	4.97
	High	64QAM	4.50	4.95
10	Low	QPSK	9.02	9.82
	Low	16QAM	8.97	9.79
	Low	64QAM	8.98	9.82
	Mid	QPSK	9.01	9.95
	Mid	16QAM	8.98	9.82
	Mid	64QAM	8.99	9.92
	High	QPSK	9.01	9.94
	High	16QAM	8.97	9.83
	High	64QAM	9.00	9.83



15	Low	QPSK	13.46	14.91
	Low	16QAM	13.45	14.84
	Low	64QAM	13.45	14.9
	Mid	QPSK	13.50	14.96
	Mid	16QAM	13.51	15.06
	Mid	64QAM	13.51	15.04
	High	QPSK	13.46	14.76
	High	16QAM	13.43	14.99
	High	64QAM	13.44	14.81
20	Low	QPSK	17.92	19.68
	Low	16QAM	17.96	19.69
	Low	64QAM	17.93	19.71
	Mid	QPSK	18.04	19.89
	Mid	16QAM	18.09	19.95
	Mid	64QAM	18.05	19.87
	High	QPSK	17.89	19.61
	High	16QAM	17.93	19.77
	High	64QAM	17.91	19.62



LTE Band 4				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.24
	Low	16QAM	1.10	1.25
	Low	64QAM	1.10	1.25
	Mid	QPSK	1.10	1.24
	Mid	16QAM	1.10	1.25
	Mid	64QAM	1.10	1.24
	High	QPSK	1.10	1.24
	High	16QAM	1.10	1.25
	High	64QAM	1.10	1.25
3	Low	QPSK	2.72	3.04
	Low	16QAM	2.72	3.04
	Low	64QAM	2.71	3.06
	Mid	QPSK	2.72	3.05
	Mid	16QAM	2.71	3.06
	Mid	64QAM	2.72	3.06
	High	QPSK	2.71	3.04
	High	16QAM	2.71	3.05
	High	64QAM	2.72	3.04
5	Low	QPSK	4.50	4.97
	Low	16QAM	4.51	5.00
	Low	64QAM	4.48	4.97
	Mid	QPSK	4.51	4.98
	Mid	16QAM	4.50	4.98
	Mid	64QAM	4.49	4.97
	High	QPSK	4.50	4.97
	High	16QAM	4.50	4.97
	High	64QAM	4.50	4.95
10	Low	QPSK	9.03	9.92
	Low	16QAM	8.99	9.81
	Low	64QAM	8.99	9.86
	Mid	QPSK	9.02	9.96
	Mid	16QAM	8.97	9.82
	Mid	64QAM	9.00	9.84
	High	QPSK	9.02	9.89
	High	16QAM	8.97	9.82
	High	64QAM	9.00	9.88



15	Low	QPSK	13.52	15.00
	Low	16QAM	13.51	14.95
	Low	64QAM	13.50	14.98
	Mid	QPSK	13.51	14.86
	Mid	16QAM	13.49	15.00
	Mid	64QAM	13.49	15.01
	High	QPSK	13.48	14.96
	High	16QAM	13.48	14.96
	High	64QAM	13.47	14.93
20	Low	QPSK	18.00	19.70
	Low	16QAM	18.07	19.91
	Low	64QAM	18.04	19.68
	Mid	QPSK	17.99	19.19
	Mid	16QAM	18.03	19.71
	Mid	64QAM	17.99	19.72
	High	QPSK	18.01	19.75
	High	16QAM	18.04	19.80
	High	64QAM	18.01	19.77



LTE Band 5				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.23
	Low	16QAM	1.10	1.25
	Low	64QAM	1.10	1.25
	Mid	QPSK	1.10	1.24
	Mid	16QAM	1.10	1.26
	Mid	64QAM	1.10	1.25
	High	QPSK	1.09	1.23
	High	16QAM	1.10	1.25
	High	64QAM	1.10	1.25
3	Low	QPSK	2.72	3.04
	Low	16QAM	2.71	3.06
	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	3.05
	High	16QAM	2.72	3.07
	High	64QAM	2.72	3.05
5	Low	QPSK	4.49	4.99
	Low	16QAM	4.50	4.99
	Low	64QAM	4.49	4.97
	Mid	QPSK	4.49	4.97
	Mid	16QAM	4.50	4.97
	Mid	64QAM	4.50	4.97
	High	QPSK	4.49	4.98
	High	16QAM	4.50	4.89
	High	64QAM	4.49	4.96
10	Low	QPSK	9.00	9.57
	Low	16QAM	8.98	9.83
	Low	64QAM	9.00	9.87
	Mid	QPSK	8.99	9.91
	Mid	16QAM	8.96	9.86
	Mid	64QAM	8.99	9.86
	High	QPSK	9.01	9.94
	High	16QAM	8.98	9.84
	High	64QAM	8.99	9.89



LTE Band 7				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.51	4.95
	Low	16QAM	4.50	4.97
	Low	64QAM	4.49	4.97
	Mid	QPSK	4.49	4.98
	Mid	16QAM	4.50	4.96
	Mid	64QAM	4.49	4.98
	High	QPSK	4.50	4.99
	High	16QAM	4.50	4.98
	High	64QAM	4.49	4.97
10	Low	QPSK	9.02	9.86
	Low	16QAM	8.98	9.83
	Low	64QAM	9.00	9.90
	Mid	QPSK	8.99	9.89
	Mid	16QAM	8.98	9.88
	Mid	64QAM	9.00	9.85
	High	QPSK	9.03	9.95
	High	16QAM	8.99	9.88
	High	64QAM	9.01	9.90
15	Low	QPSK	13.47	14.72
	Low	16QAM	13.48	14.89
	Low	64QAM	13.49	14.94
	Mid	QPSK	13.54	14.96
	Mid	16QAM	13.52	15.01
	Mid	64QAM	13.54	14.97
	High	QPSK	13.51	14.89
	High	16QAM	13.49	14.85
	High	64QAM	13.49	14.89
20	Low	QPSK	17.93	19.66
	Low	16QAM	17.93	19.66
	Low	64QAM	17.93	19.59
	Mid	QPSK	18.04	19.90
	Mid	16QAM	18.09	19.81
	Mid	64QAM	18.08	19.79
	High	QPSK	17.99	19.73
	High	16QAM	17.99	19.70
	High	64QAM	17.95	19.76



LTE Band 12				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.24
	Low	16QAM	1.10	1.25
	Low	64QAM	1.10	1.25
	Mid	QPSK	1.10	1.24
	Mid	16QAM	1.10	1.25
	Mid	64QAM	1.10	1.25
	High	QPSK	1.10	1.24
	High	16QAM	1.10	1.25
	High	64QAM	1.10	1.25
3	Low	QPSK	2.72	3.04
	Low	16QAM	2.71	3.06
	Low	64QAM	2.72	3.05
	Mid	QPSK	2.71	3.04
	Mid	16QAM	2.71	3.05
	Mid	64QAM	2.72	3.04
	High	QPSK	2.72	3.04
	High	16QAM	2.72	3.05
	High	64QAM	2.73	3.06
5	Low	QPSK	4.49	4.95
	Low	16QAM	4.50	4.96
	Low	64QAM	4.50	4.95
	Mid	QPSK	4.50	4.96
	Mid	16QAM	4.50	5.02
	Mid	64QAM	4.50	4.96
	High	QPSK	4.51	4.97
	High	16QAM	4.51	4.98
	High	64QAM	4.50	4.97
10	Low	QPSK	9.05	9.90
	Low	16QAM	9.03	9.89
	Low	64QAM	9.04	9.88
	Mid	QPSK	8.99	9.81
	Mid	16QAM	8.96	9.82
	Mid	64QAM	8.98	9.79
	High	QPSK	8.97	9.83
	High	16QAM	8.93	9.79
	High	64QAM	8.93	9.82



LTE Band 17				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.50	4.97
	Low	16QAM	4.51	5.00
	Low	64QAM	4.50	4.94
	Mid	QPSK	4.48	4.93
	Mid	16QAM	4.48	4.96
	Mid	64QAM	4.47	4.92
	High	QPSK	4.50	4.98
	High	16QAM	4.51	4.99
	High	64QAM	4.51	4.96
10	Low	QPSK	8.94	9.81
	Low	16QAM	8.92	9.76
	Low	64QAM	8.94	9.76
	Mid	QPSK	8.95	9.75
	Mid	16QAM	8.92	9.81
	Mid	64QAM	8.93	9.80
	High	QPSK	8.96	9.85
	High	16QAM	8.93	9.83
	High	64QAM	8.93	9.85



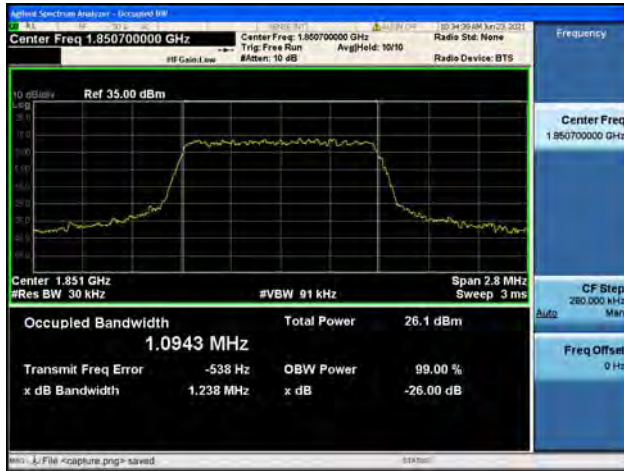
LTE Band 66				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.24
	Low	16QAM	1.09	1.24
	Low	64QAM	1.09	1.24
	Mid	QPSK	1.09	1.24
	Mid	16QAM	1.09	1.23
	Mid	64QAM	1.09	1.23
	High	QPSK	1.09	1.24
	High	16QAM	1.09	1.24
	High	64QAM	1.09	1.23
3	Low	QPSK	2.71	3.05
	Low	16QAM	2.71	3.05
	Low	64QAM	2.71	3.04
	Mid	QPSK	2.71	3.05
	Mid	16QAM	2.71	3.03
	Mid	64QAM	2.70	3.04
	High	QPSK	2.71	3.05
	High	16QAM	2.71	3.05
	High	64QAM	2.71	3.05
5	Low	QPSK	4.50	4.98
	Low	16QAM	4.50	4.94
	Low	64QAM	4.50	4.96
	Mid	QPSK	4.50	4.95
	Mid	16QAM	4.50	4.94
	Mid	64QAM	4.49	4.92
	High	QPSK	4.50	4.95
	High	16QAM	4.49	4.95
	High	64QAM	4.50	4.99
10	Low	QPSK	8.97	9.87
	Low	16QAM	8.99	9.83
	Low	64QAM	8.97	9.86
	Mid	QPSK	8.98	9.86
	Mid	16QAM	8.98	9.74
	Mid	64QAM	8.99	9.82
	High	QPSK	9.00	9.81
	High	16QAM	9.00	9.88
	High	64QAM	9.00	9.87



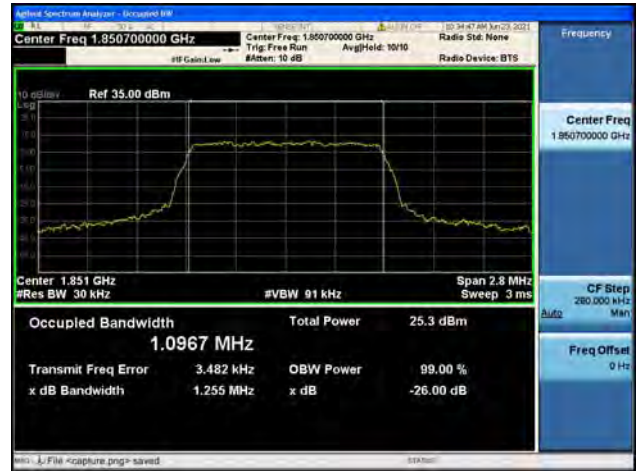
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	Low	16QAM	13.50	14.75
	Low	64QAM	13.47	14.82
	Mid	QPSK	13.48	14.67
	Mid	16QAM	13.48	14.79
	Mid	64QAM	13.47	14.75
	High	QPSK	13.52	14.81
	High	16QAM	13.47	14.82
	High	64QAM	13.50	14.86
20	Low	QPSK	18.04	19.72
	Low	16QAM	18.05	19.77
	Low	64QAM	18.02	19.72
	Mid	QPSK	18.01	19.60
	Mid	16QAM	18.01	19.63
	Mid	64QAM	18.01	19.78
	High	QPSK	18.05	19.54
	High	16QAM	18.05	19.76
	High	64QAM	18.04	19.68



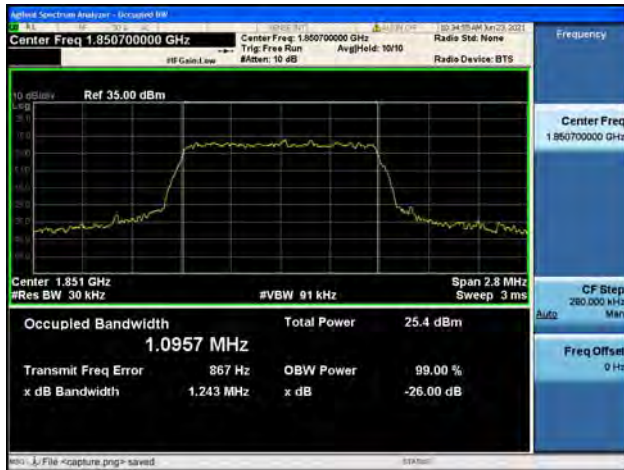
Band2 / 1.4MHz / Low CH / QPSK



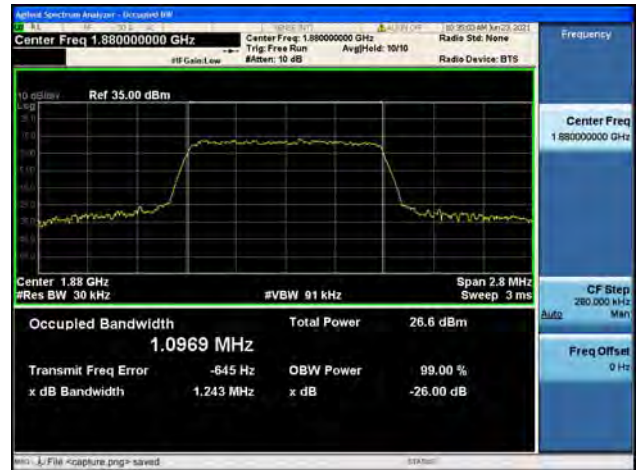
Band2 / 1.4MHz / Low CH / 16QAM



Band2 / 1.4MHz / Low CH / 64QAM



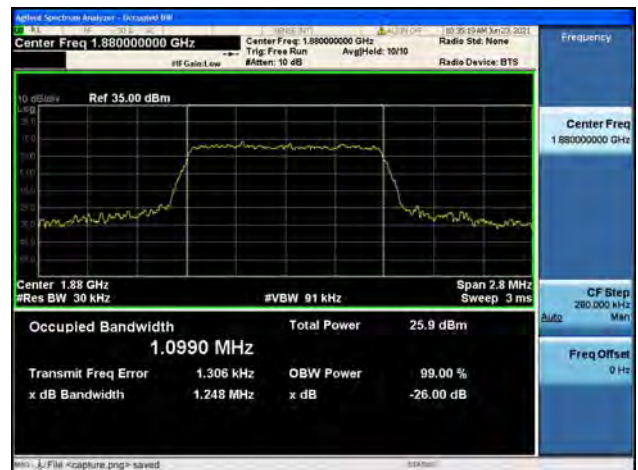
Band2 / 1.4MHz / Mid CH / QPSK

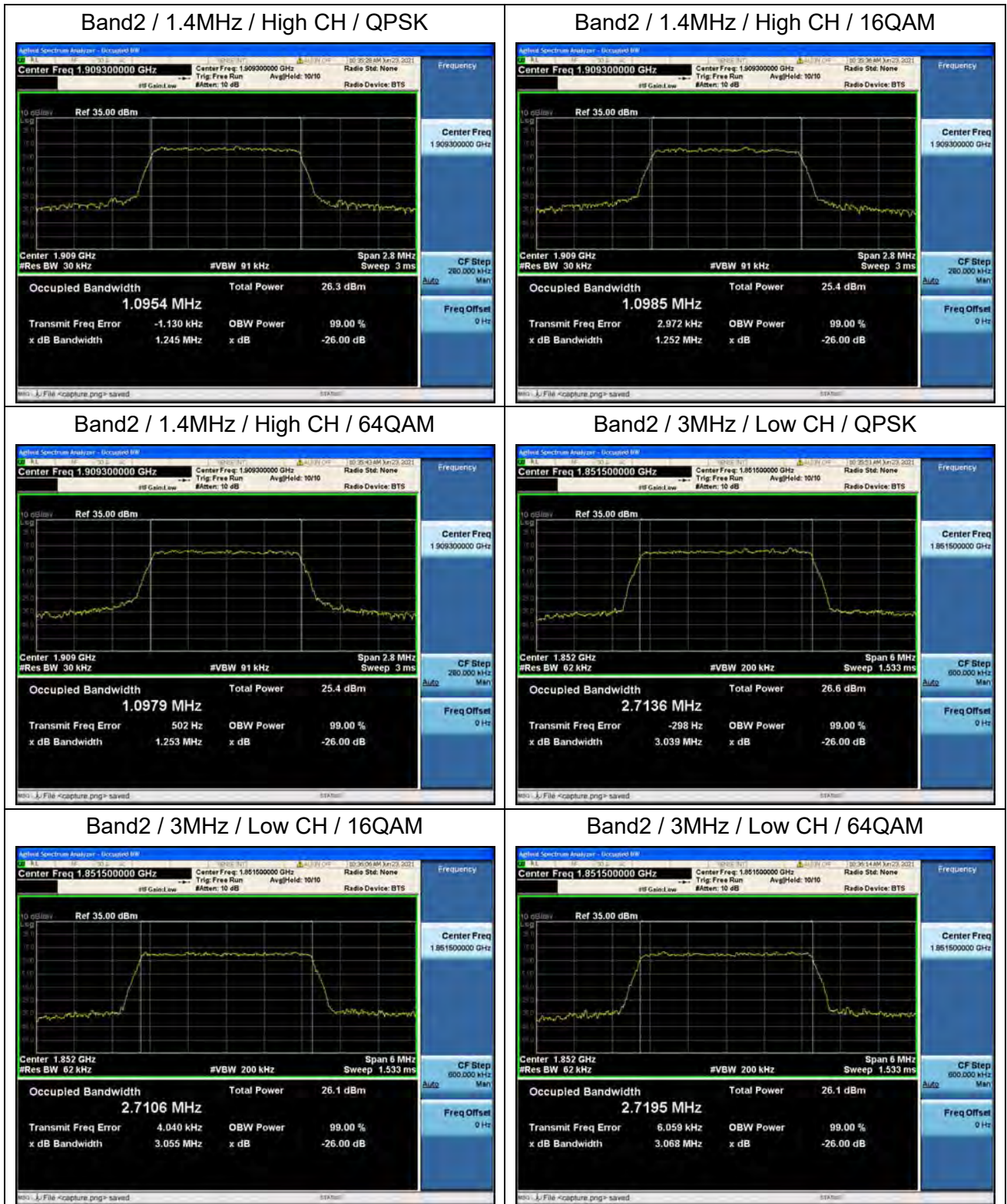


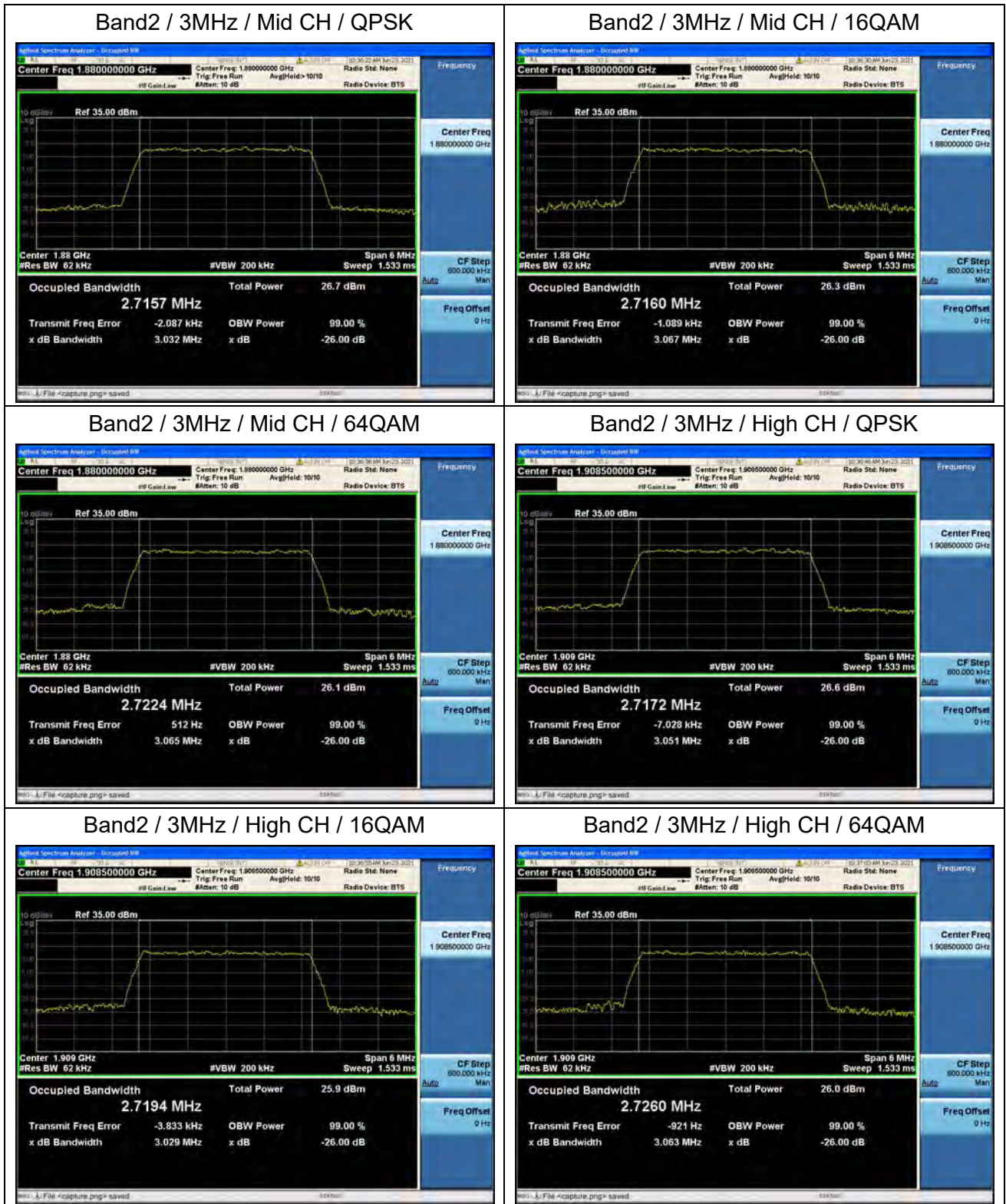
Band2 / 1.4MHz / Mid CH / 16QAM



Band2 / 1.4MHz / Mid CH / 64QAM

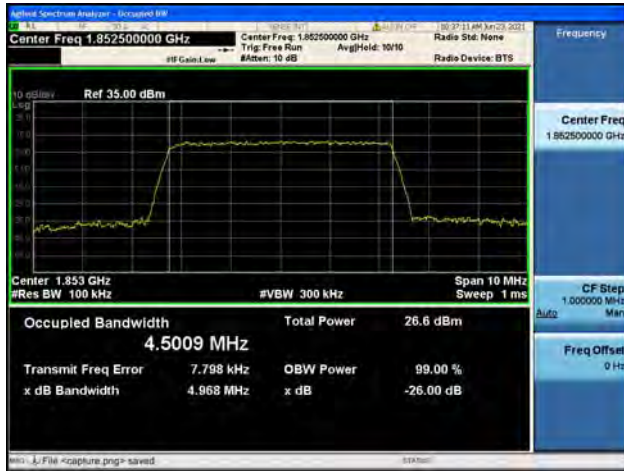




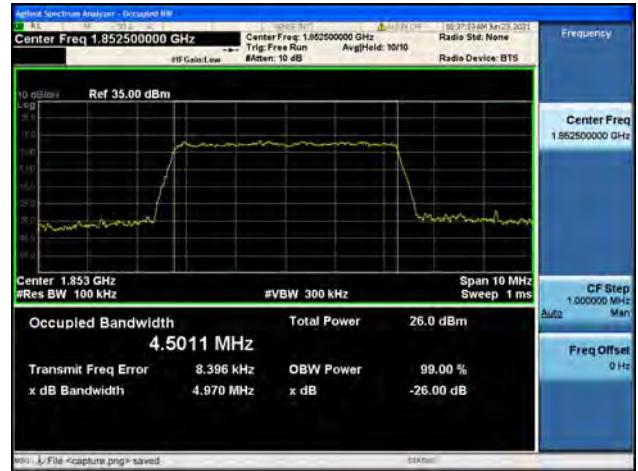




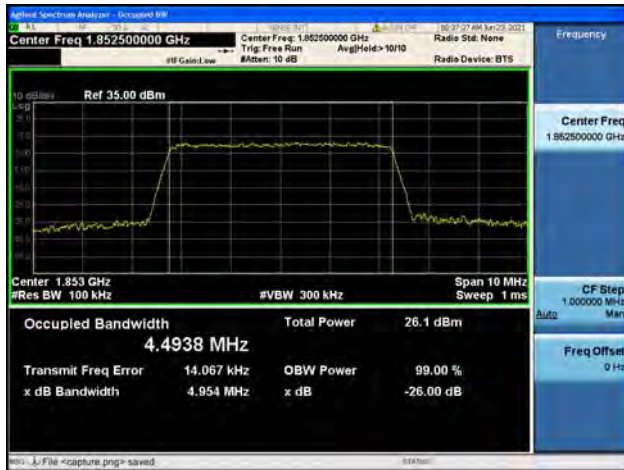
Band2 / 5MHz / Low CH / QPSK



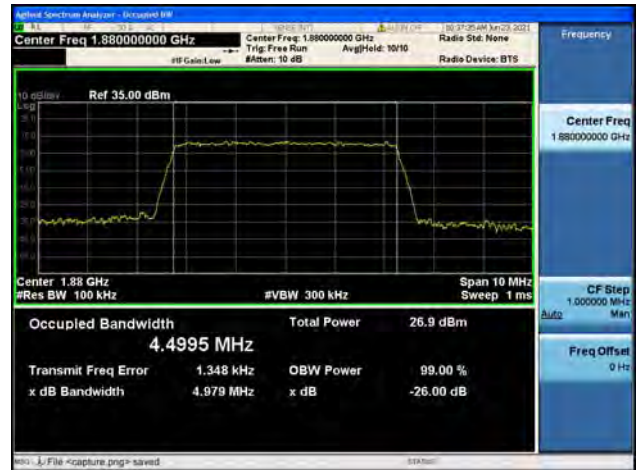
Band2 / 5MHz / Low CH / 16QAM



Band2 / 5MHz / Low CH / 64QAM



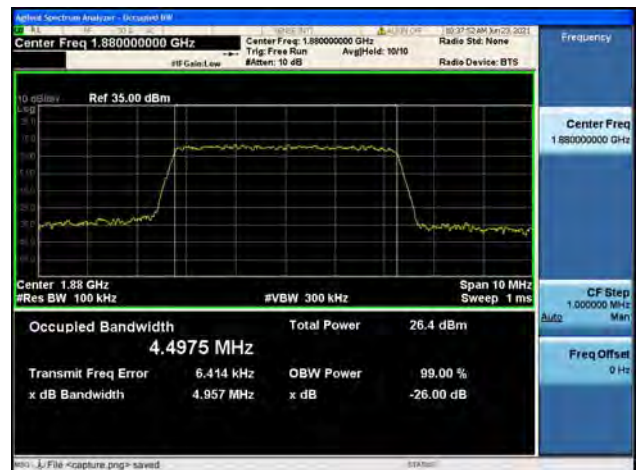
Band2 / 5MHz / Mid CH / QPSK



Band2 / 5MHz / Mid CH / 16QAM

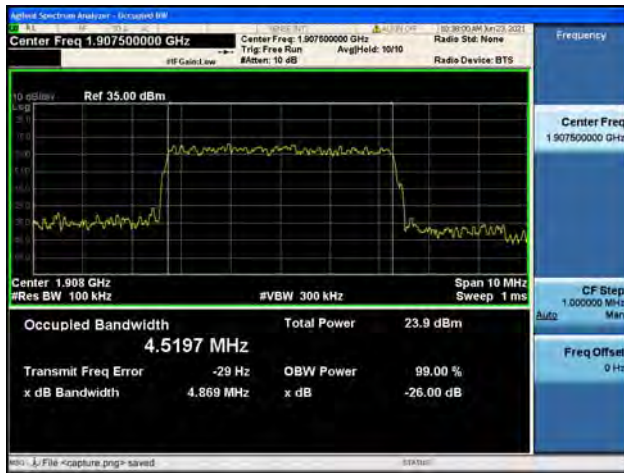


Band2 / 5MHz / Mid CH / 64QAM





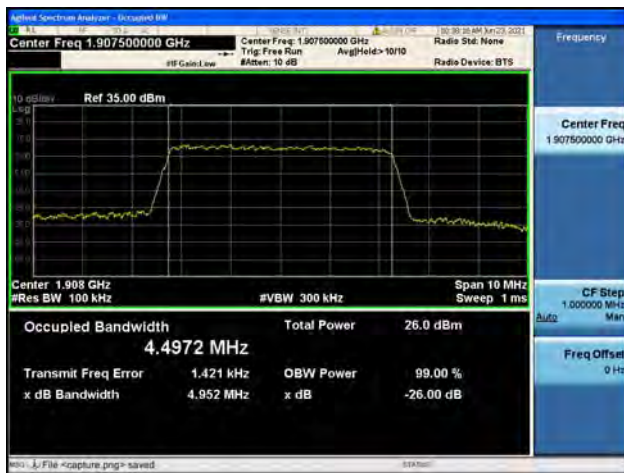
Band2 / 5MHz / High CH / QPSK



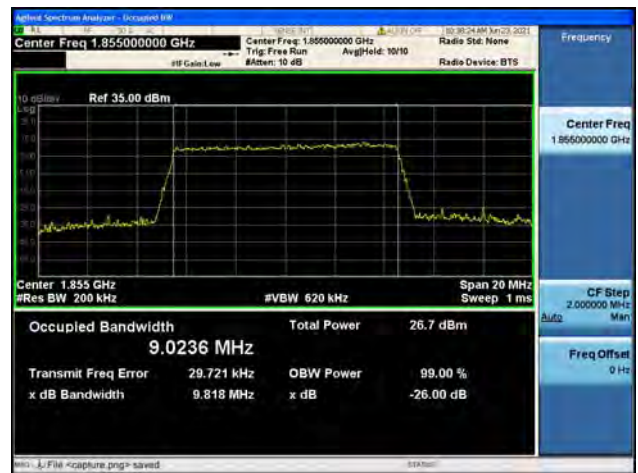
Band2 / 5MHz / High CH / 16QAM



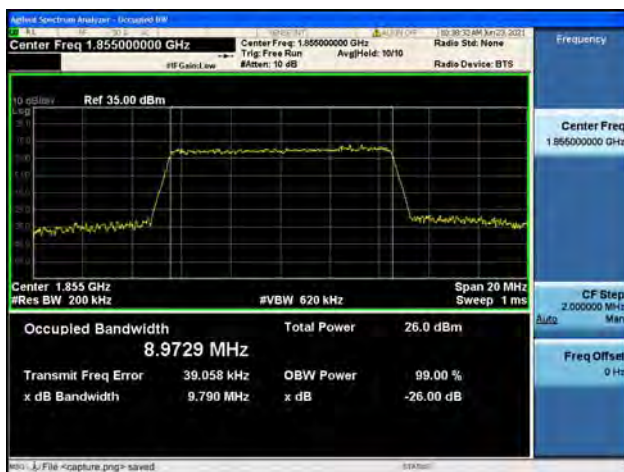
Band2 / 5MHz / High CH / 64QAM



Band2 / 10MHz / Low CH / QPSK



Band2 / 10MHz / Low CH / 16QAM

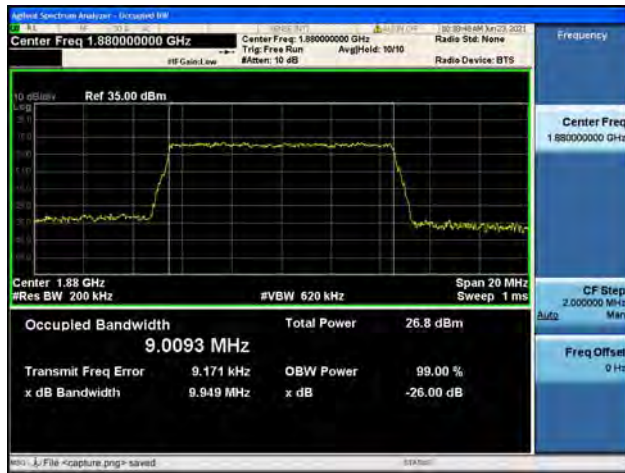


Band2 / 10MHz / Low CH / 64QAM

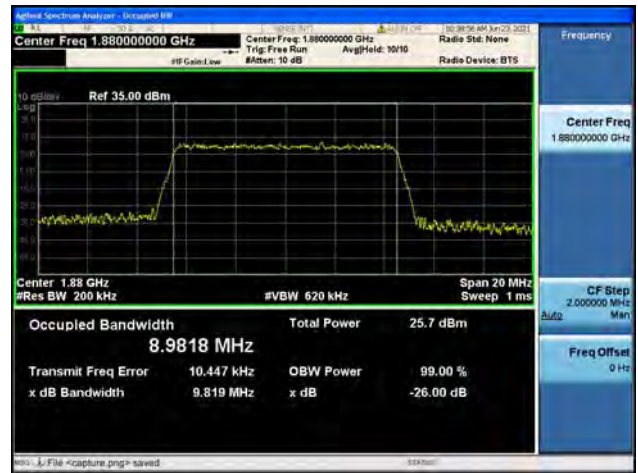




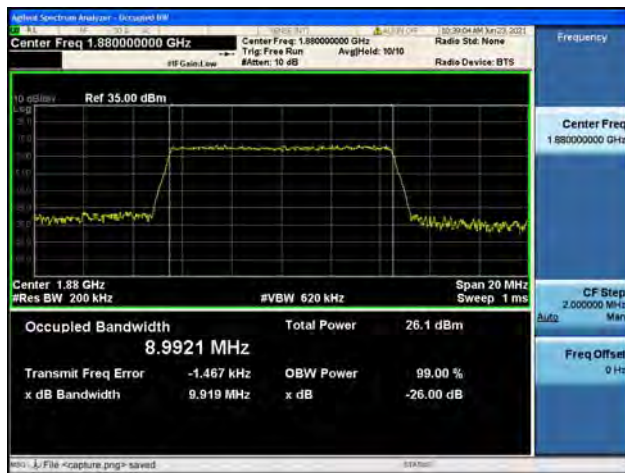
Band2 / 10MHz / Mid CH / QPSK



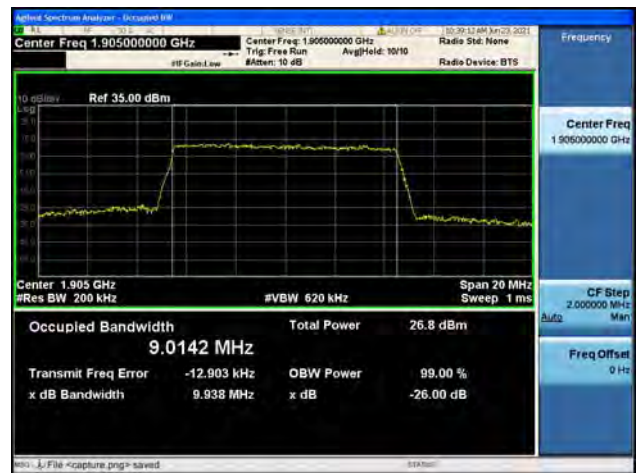
Band2 / 10MHz / Mid CH / 16QAM



Band2 / 10MHz / Mid CH / 64QAM



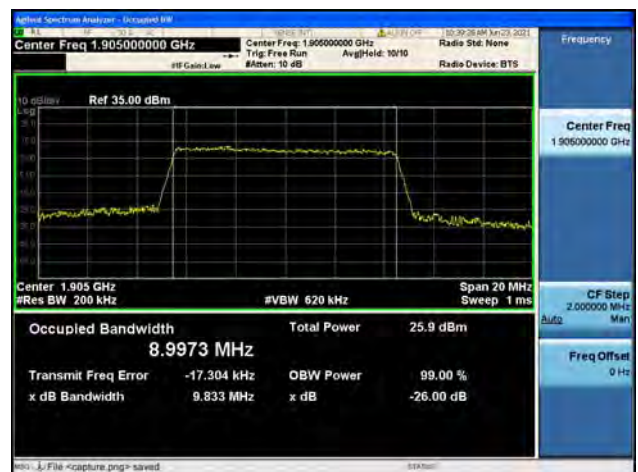
Band2 / 10MHz / High CH / QPSK



Band2 / 10MHz / High CH / 16QAM

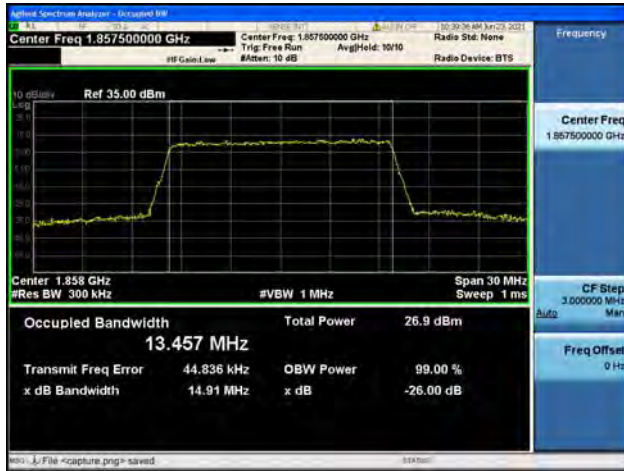


Band2 / 10MHz / High CH / 64QAM

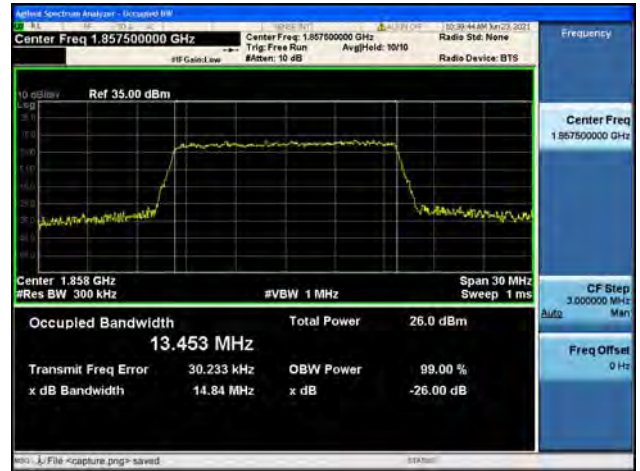




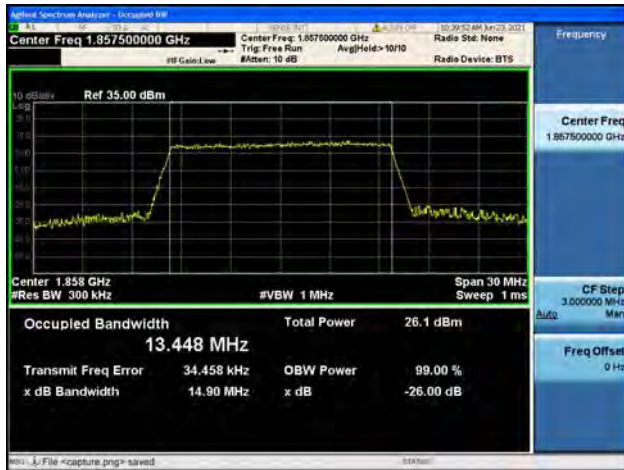
Band2 / 15MHz / Low CH / QPSK



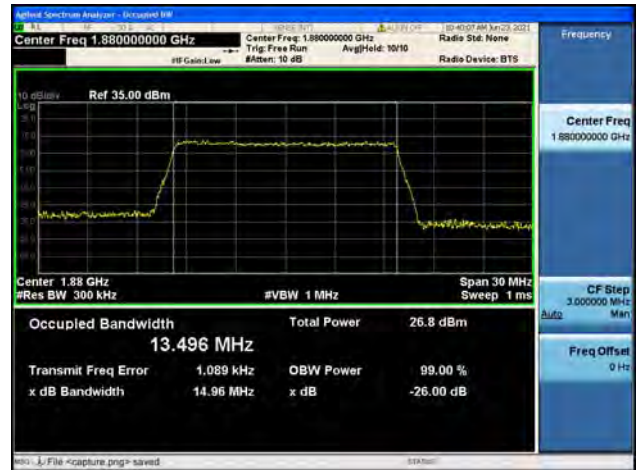
Band2 / 15MHz / Low CH / 16QAM



Band2 / 15MHz / Low CH / 64QAM



Band2 / 15MHz / Mid CH / QPSK



Band2 / 15MHz / Mid CH / 16QAM

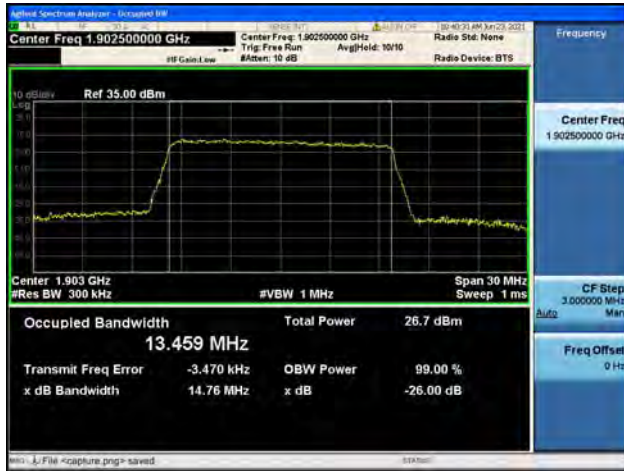


Band2 / 15MHz / Mid CH / 64QAM

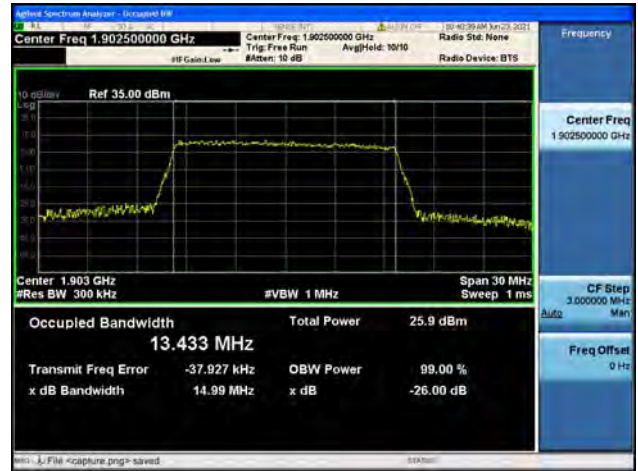




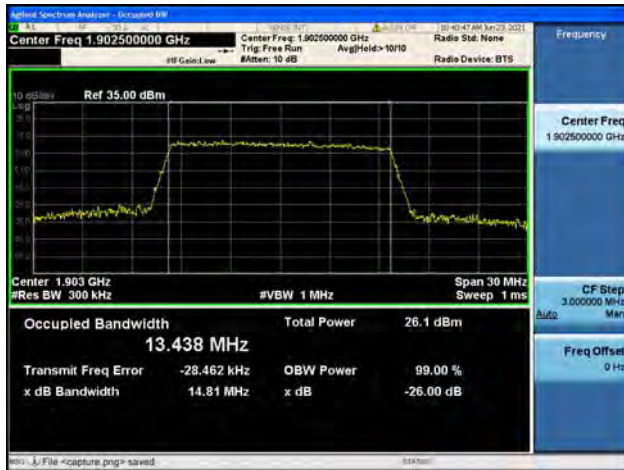
Band2 / 15MHz / High CH / QPSK



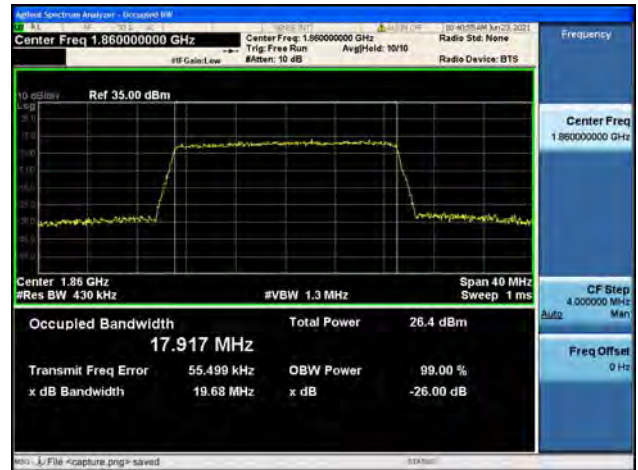
Band2 / 15MHz / High CH / 16QAM



Band2 / 15MHz / High CH / 64QAM



Band2 / 20MHz / Low CH / QPSK



Band2 / 20MHz / Low CH / 16QAM

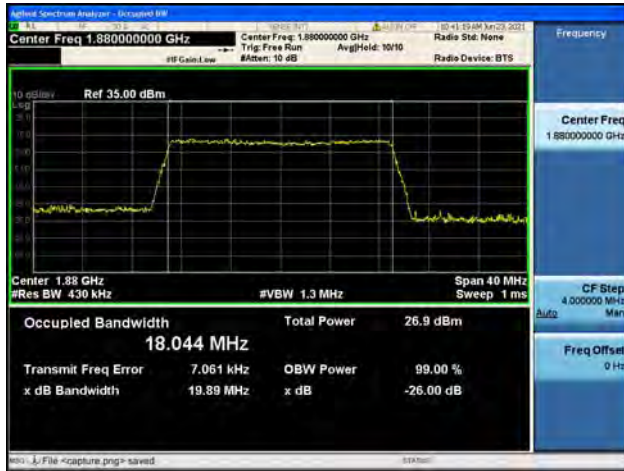


Band2 / 20MHz / Low CH / 64QAM

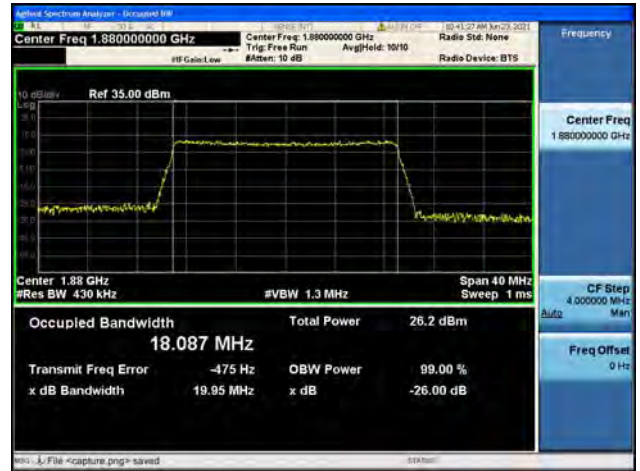




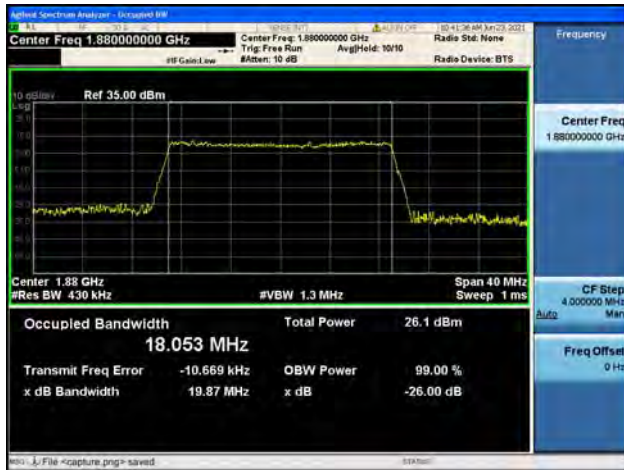
Band2 / 20MHz / Mid CH / QPSK



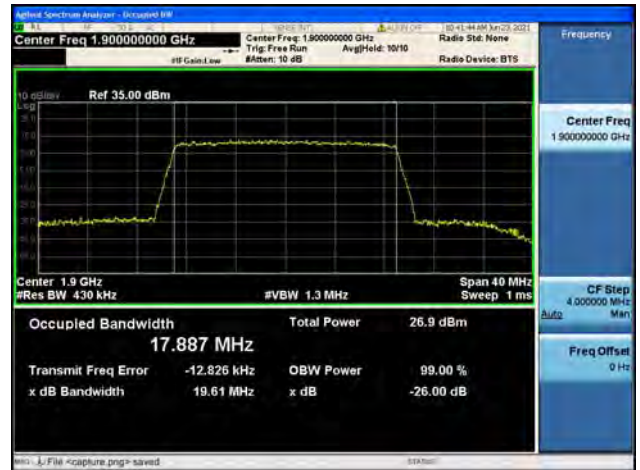
Band2 / 20MHz / Mid CH / 16QAM



Band2 / 20MHz / Mid CH / 64QAM



Band2 / 20MHz / High CH / QPSK

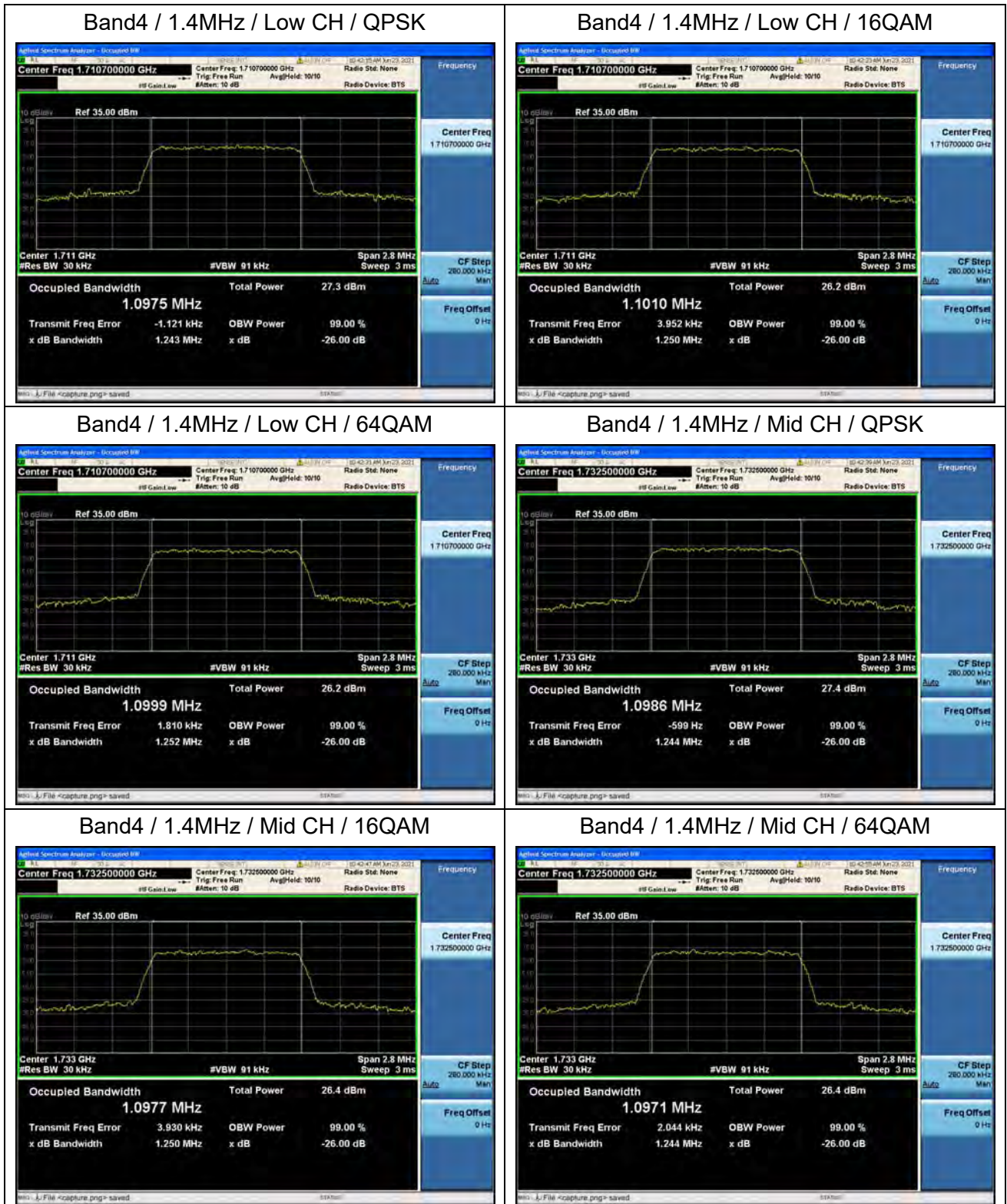


Band2 / 20MHz / High CH / 16QAM



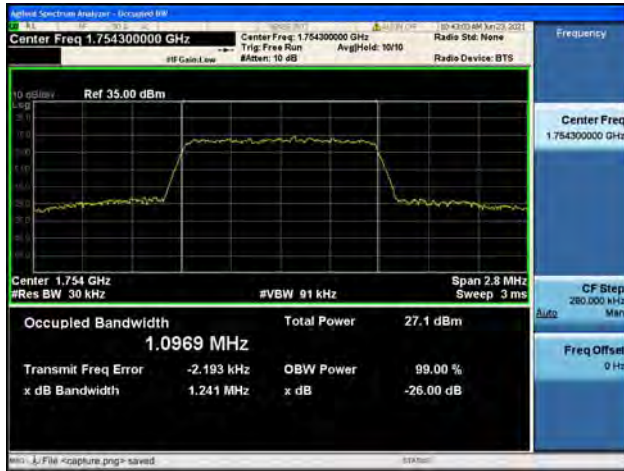
Band2 / 20MHz / High CH / 64QAM







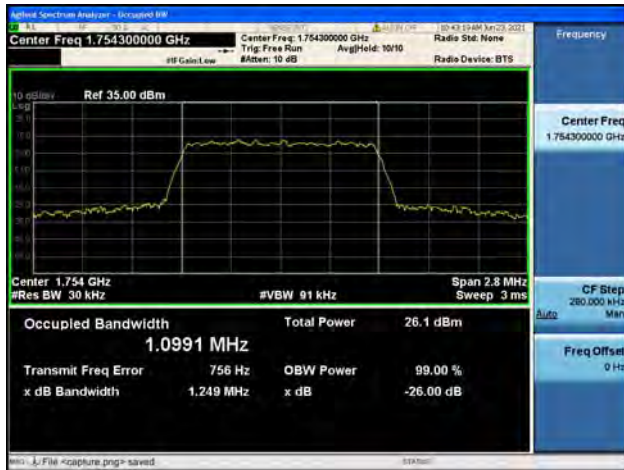
Band4 / 1.4MHz / High CH / QPSK



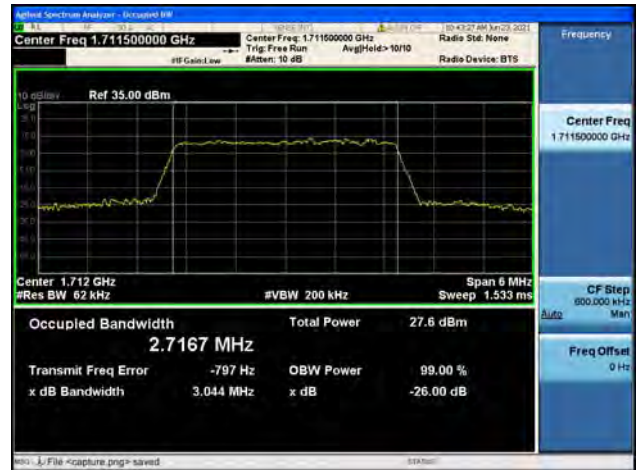
Band4 / 1.4MHz / High CH / 16QAM



Band4 / 1.4MHz / High CH / 64QAM



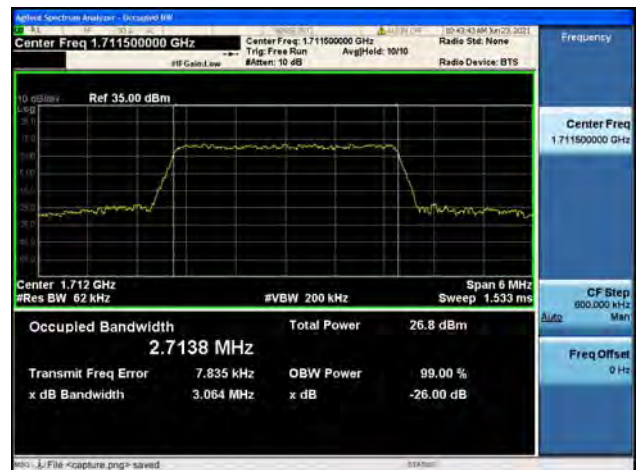
Band4 / 3MHz / Low CH / QPSK



Band4 / 3MHz / Low CH / 16QAM

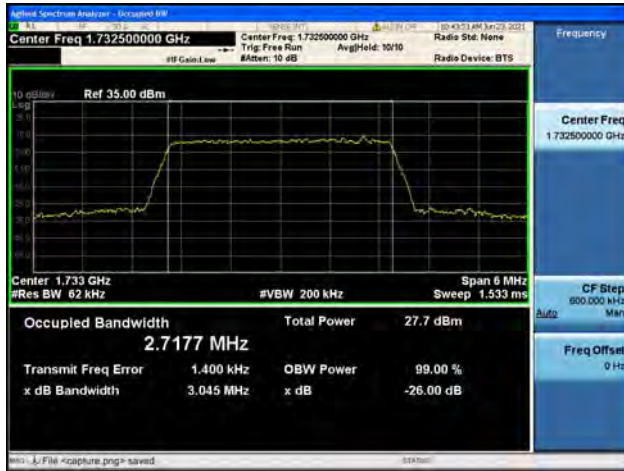


Band4 / 3MHz / Low CH / 64QAM

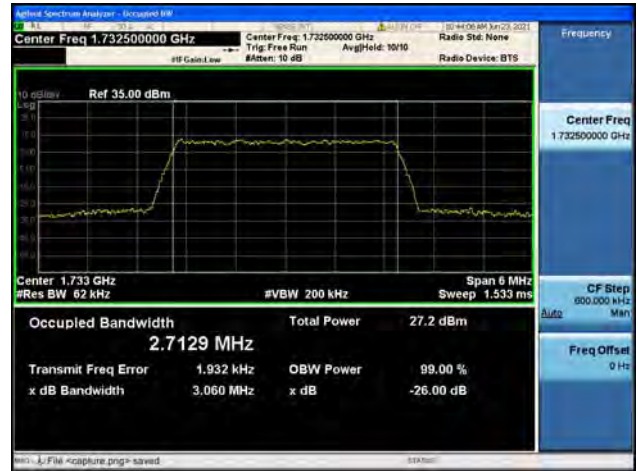




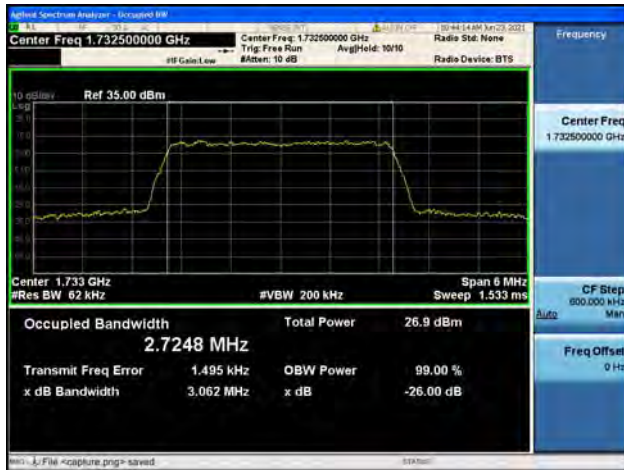
Band4 / 3MHz / Mid CH / QPSK



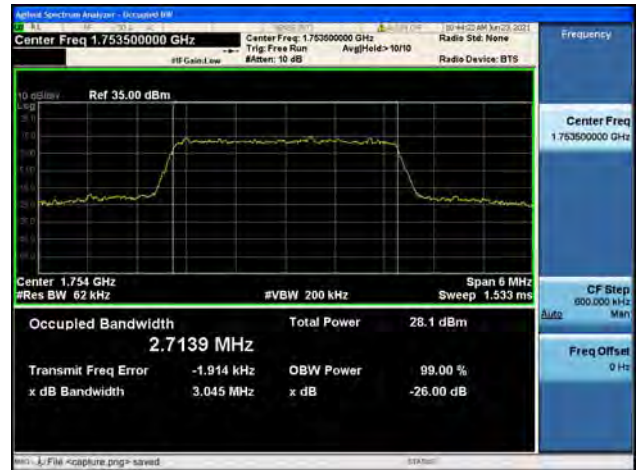
Band4 / 3MHz / Mid CH / 16QAM



Band4 / 3MHz / Mid CH / 64QAM



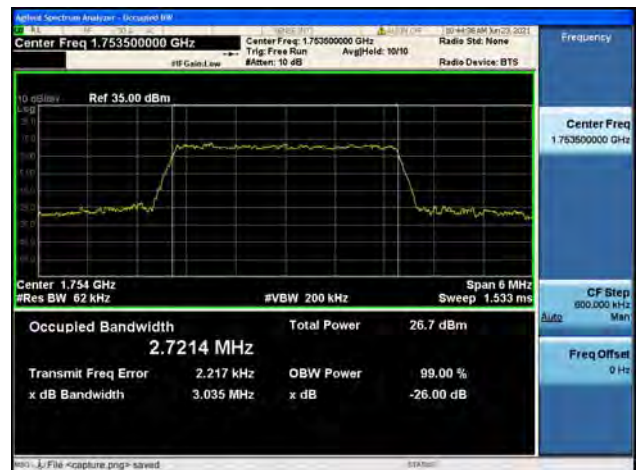
Band4 / 3MHz / High CH / QPSK



Band4 / 3MHz / High CH / 16QAM

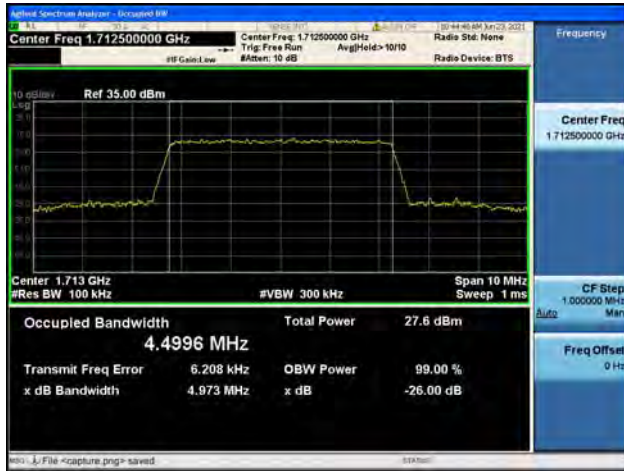


Band4 / 3MHz / High CH / 64QAM





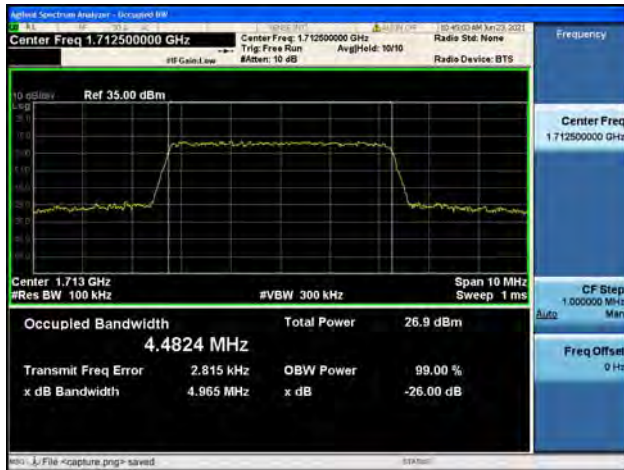
Band4 / 5MHz / Low CH / QPSK



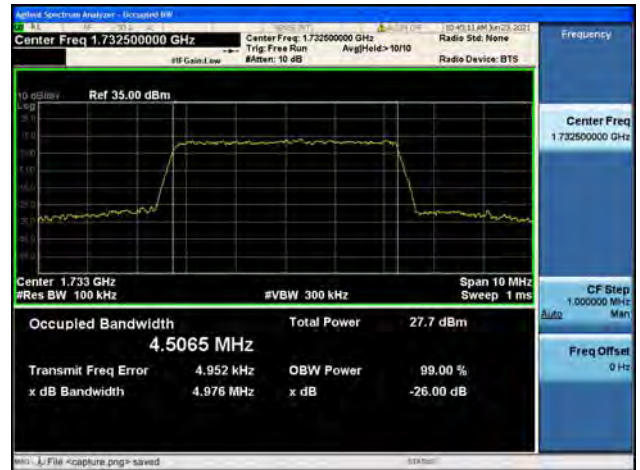
Band4 / 5MHz / Low CH / 16QAM



Band4 / 5MHz / Low CH / 64QAM



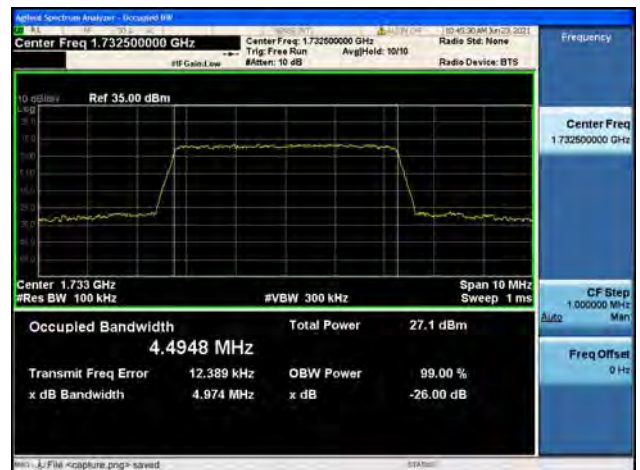
Band4 / 5MHz / Mid CH / QPSK



Band4 / 5MHz / Mid CH / 16QAM

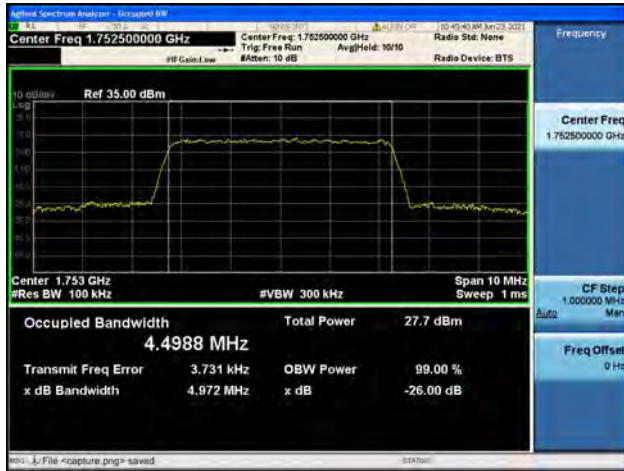


Band4 / 5MHz / Mid CH / 64QAM

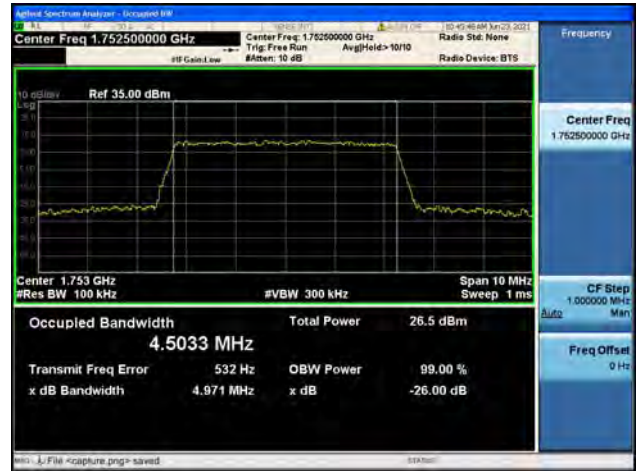




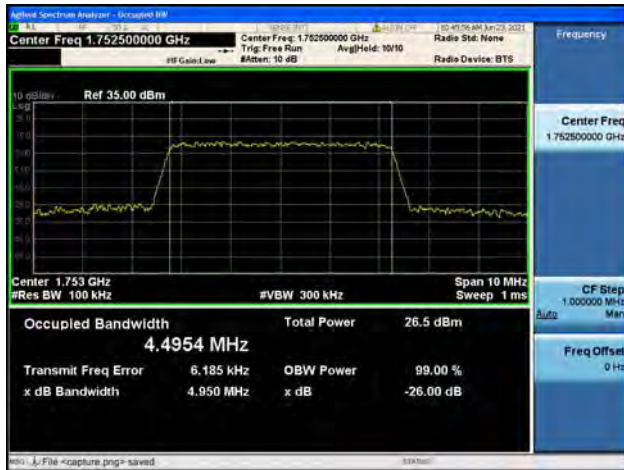
Band4 / 5MHz / High CH / QPSK



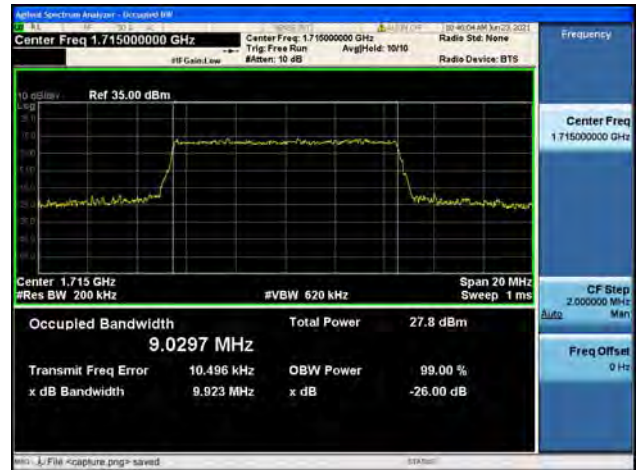
Band4 / 5MHz / High CH / 16QAM



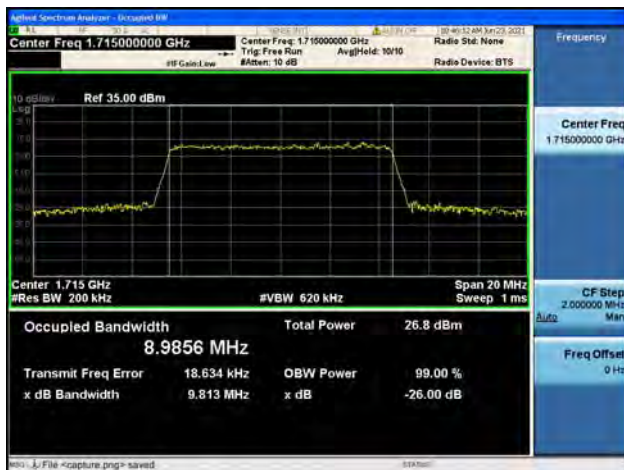
Band4 / 5MHz / High CH / 64QAM



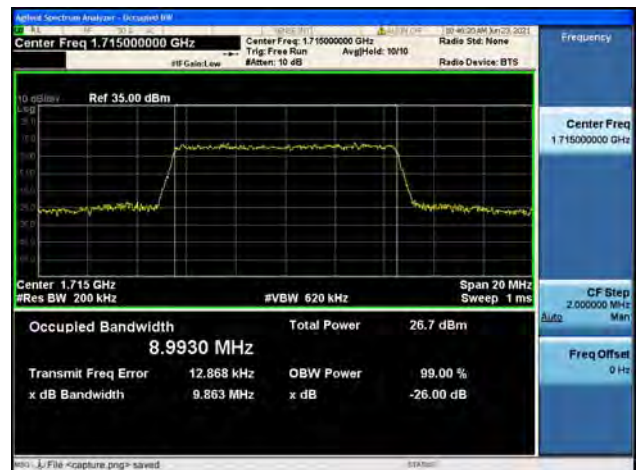
Band4 / 10MHz / Low CH / QPSK



Band4 / 10MHz / Low CH / 16QAM

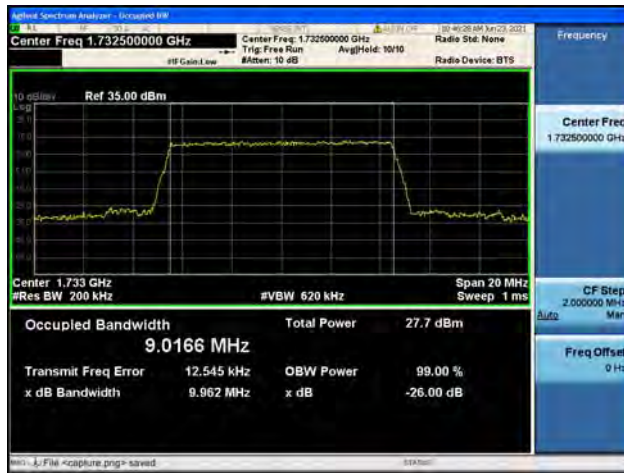


Band4 / 10MHz / Low CH / 64QAM

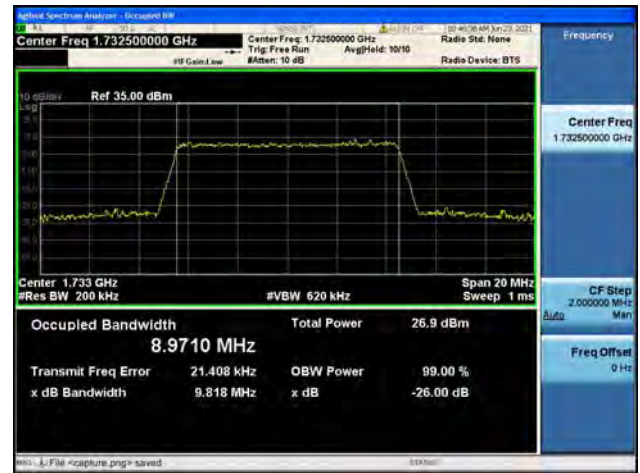




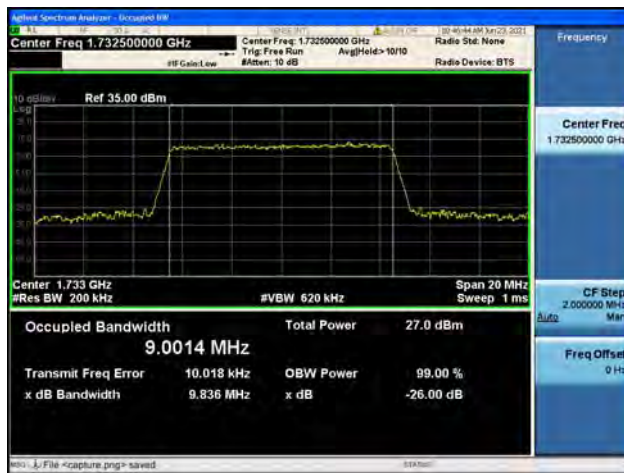
Band4 / 10MHz / Mid CH / QPSK



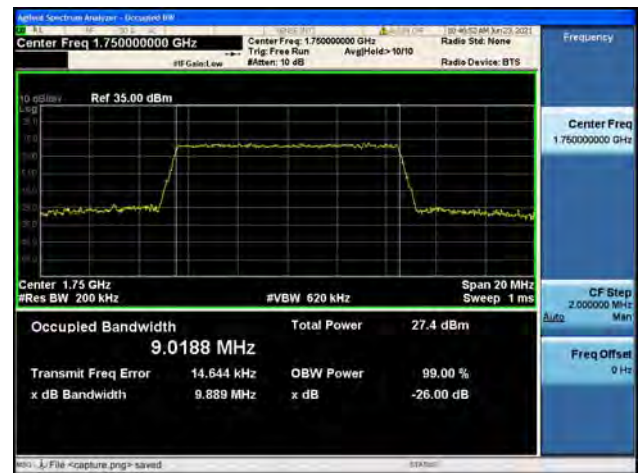
Band4 / 10MHz / Mid CH / 16QAM



Band4 / 10MHz / Mid CH / 64QAM



Band4 / 10MHz / High CH / QPSK



Band4 / 10MHz / High CH / 16QAM

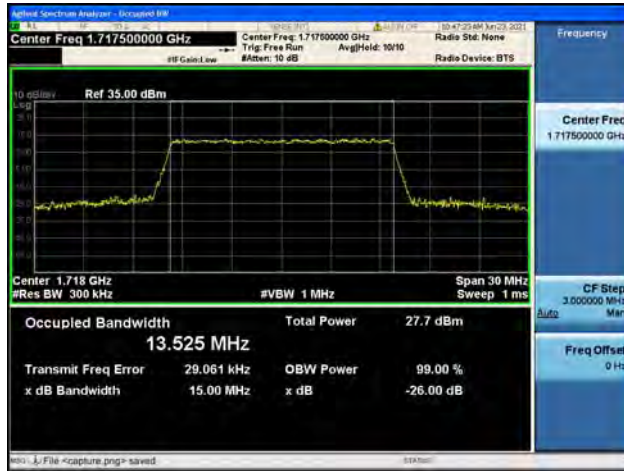


Band4 / 10MHz / High CH / 64QAM

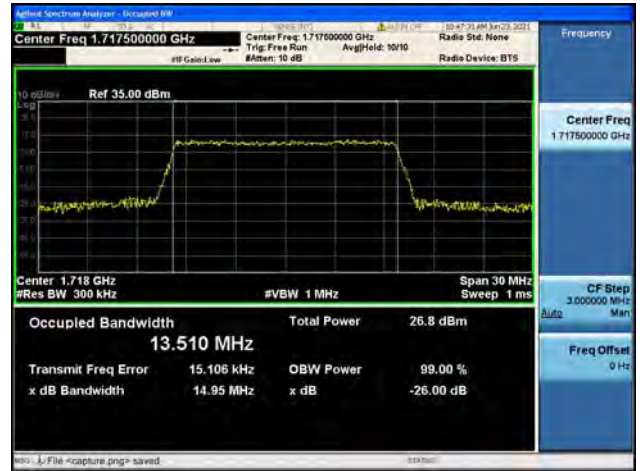




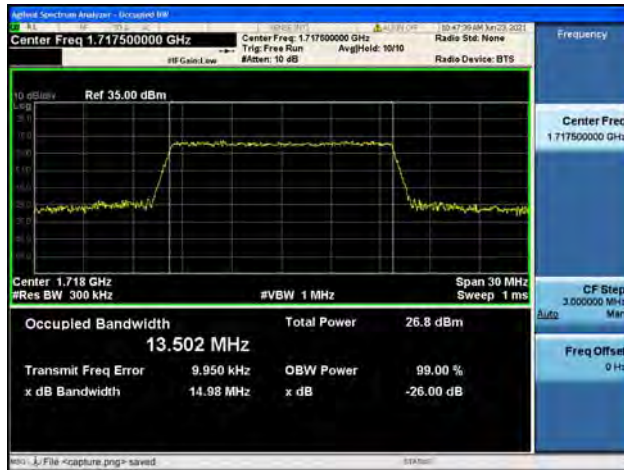
Band4 / 15MHz / Low CH / QPSK



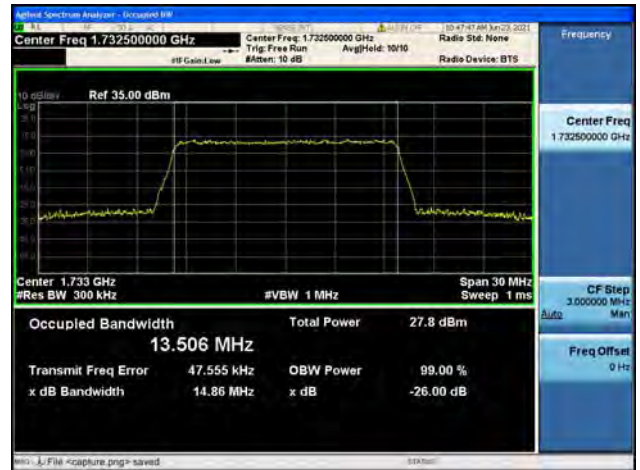
Band4 / 15MHz / Low CH / 16QAM



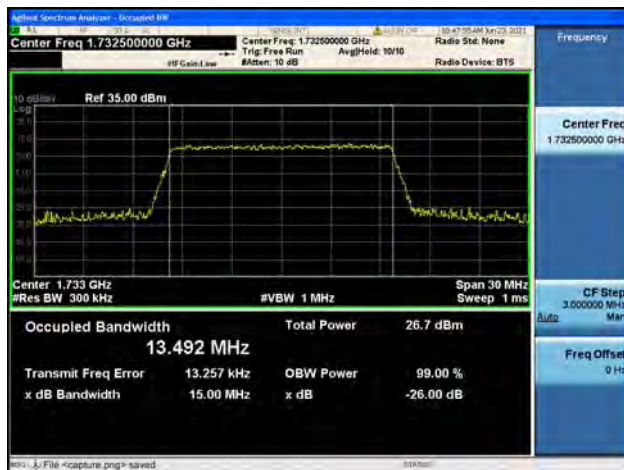
Band4 / 15MHz / Low CH / 64QAM



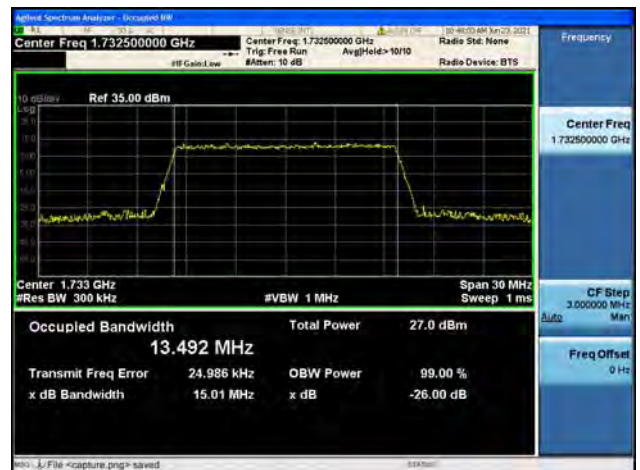
Band4 / 15MHz / Mid CH / QPSK



Band4 / 15MHz / Mid CH / 16QAM

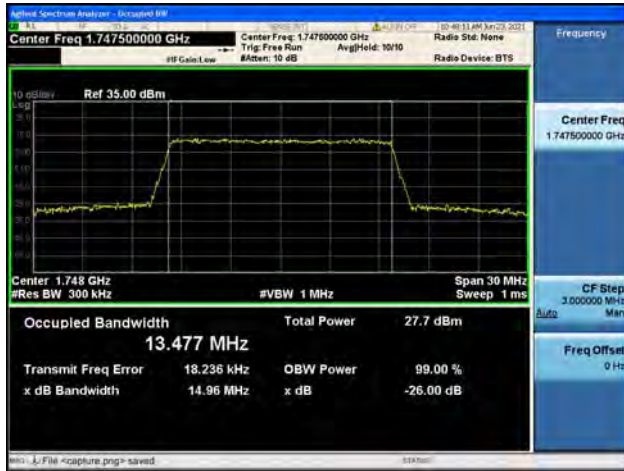


Band4 / 15MHz / Mid CH / 64QAM

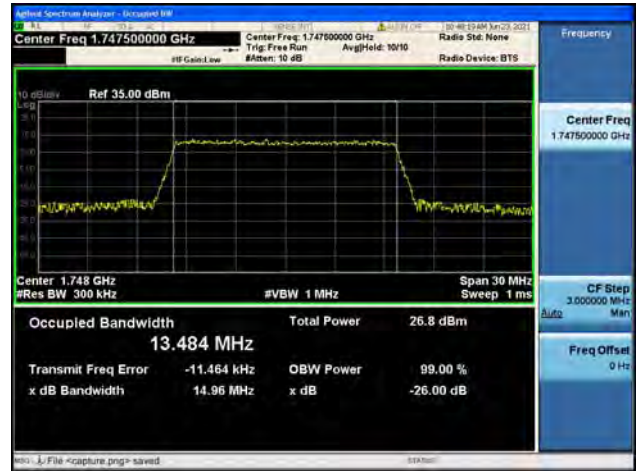




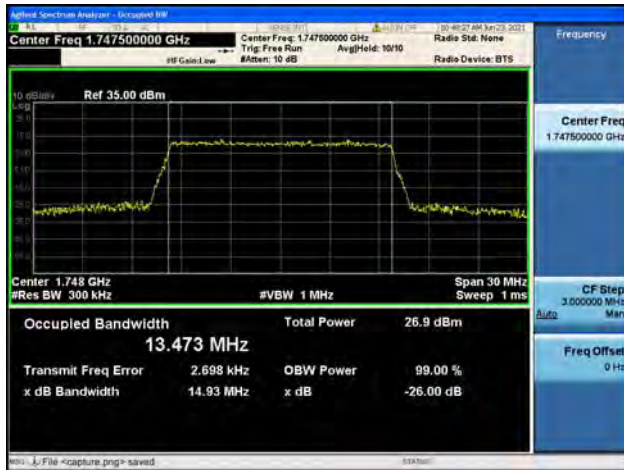
Band4 / 15MHz / High CH / QPSK



Band4 / 15MHz / High CH / 16QAM



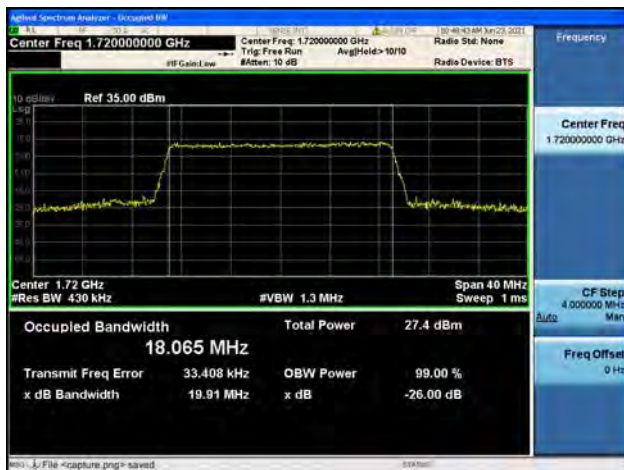
Band4 / 15MHz / High CH / 64QAM



Band4 / 20MHz / Low CH / QPSK



Band4 / 20MHz / Low CH / 16QAM

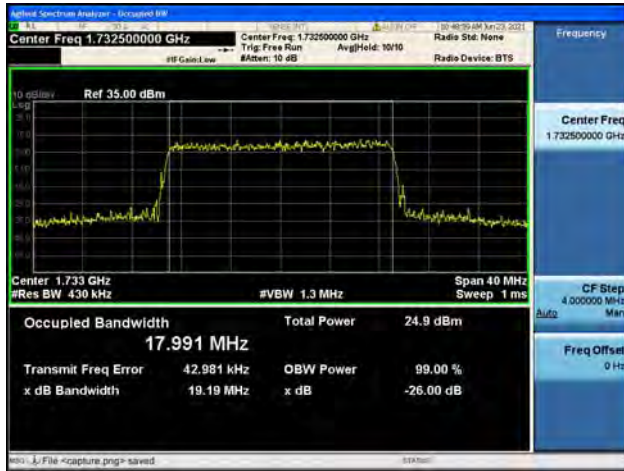


Band4 / 20MHz / Low CH / 64QAM

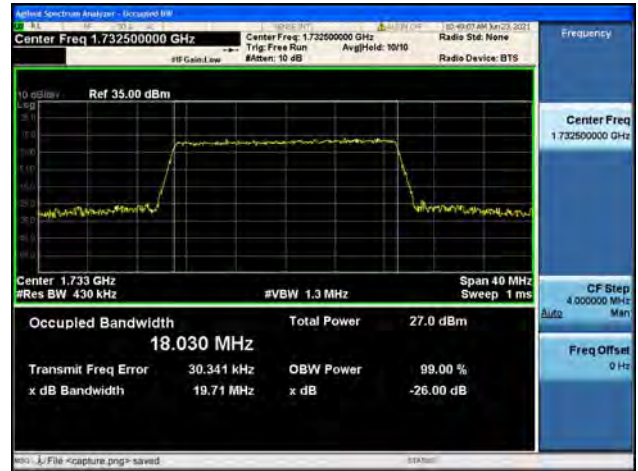




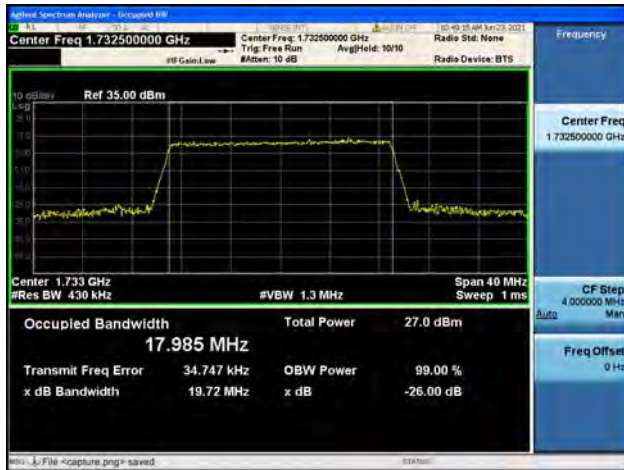
Band4 / 20MHz / Mid CH / QPSK



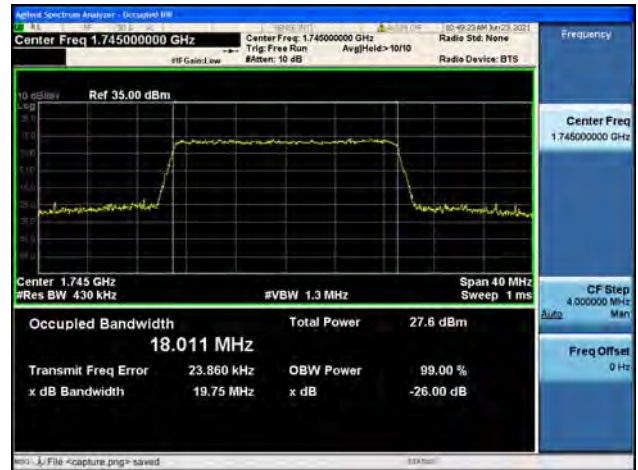
Band4 / 20MHz / Mid CH / 16QAM



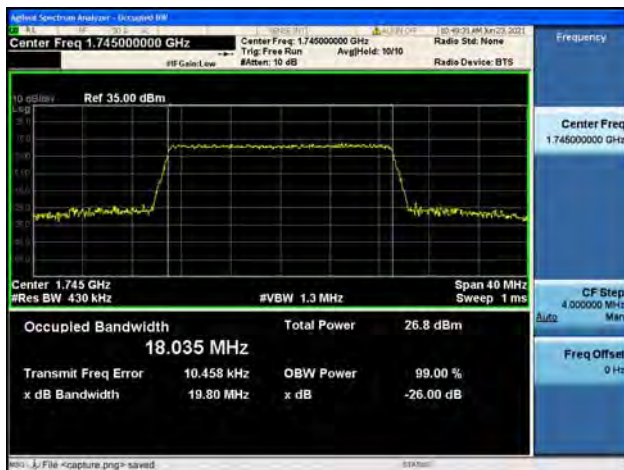
Band4 / 20MHz / Mid CH / 64QAM



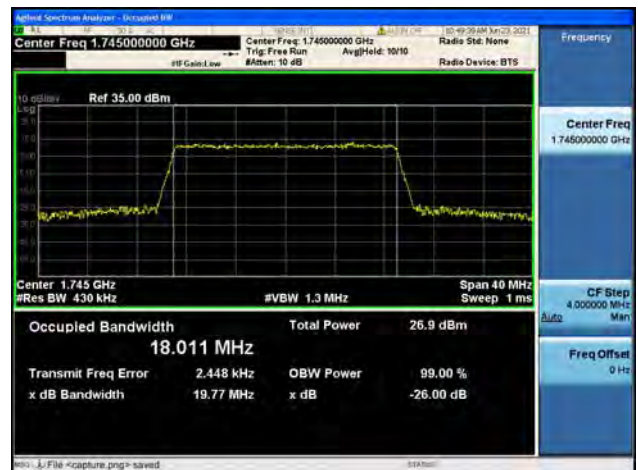
Band4 / 20MHz / High CH / QPSK



Band4 / 20MHz / High CH / 16QAM

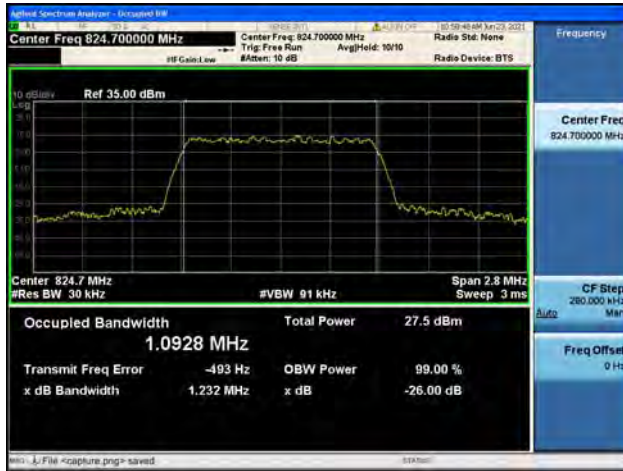


Band4 / 20MHz / High CH / 64QAM

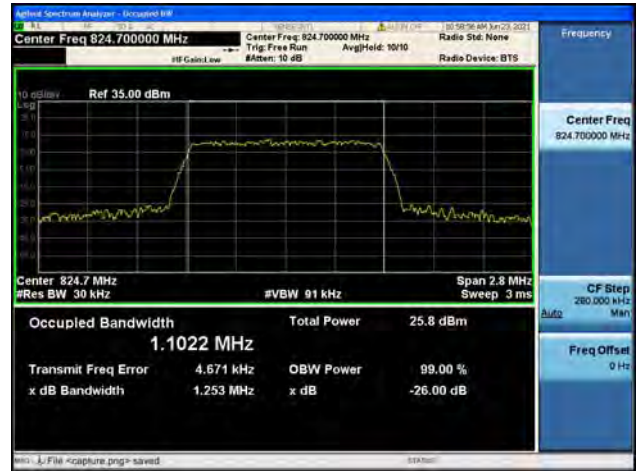




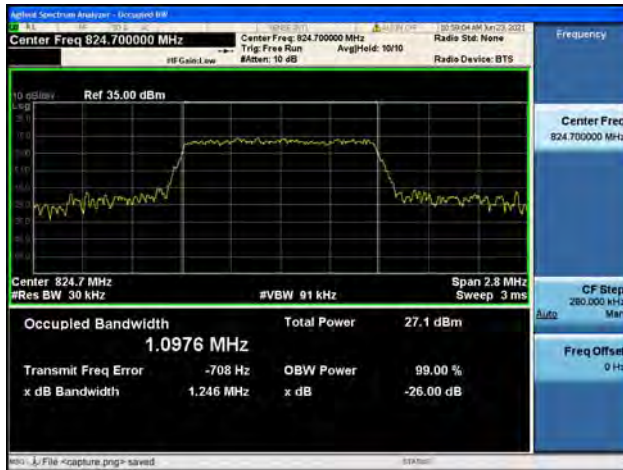
Band5 / 1.4MHz / Low CH / QPSK



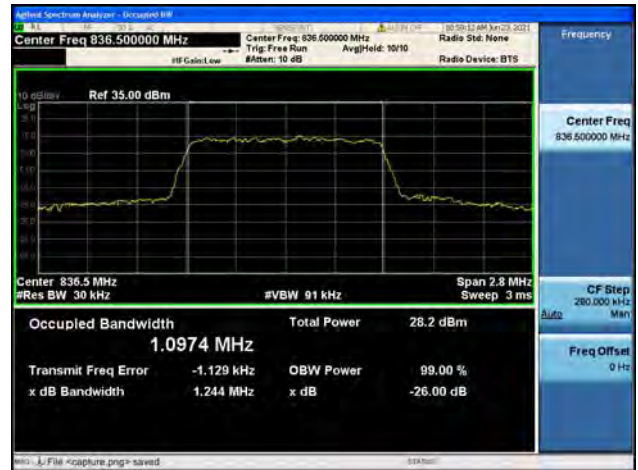
Band5 / 1.4MHz / Low CH / 16QAM



Band5 / 1.4MHz / Low CH / 64QAM



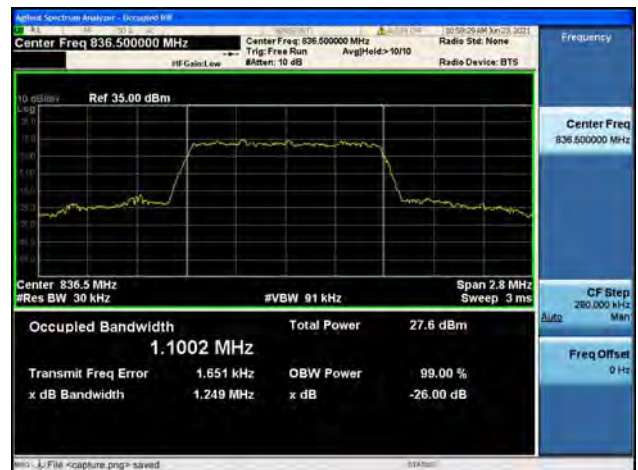
Band5 / 1.4MHz / Mid CH / QPSK



Band5 / 1.4MHz / Mid CH / 16QAM

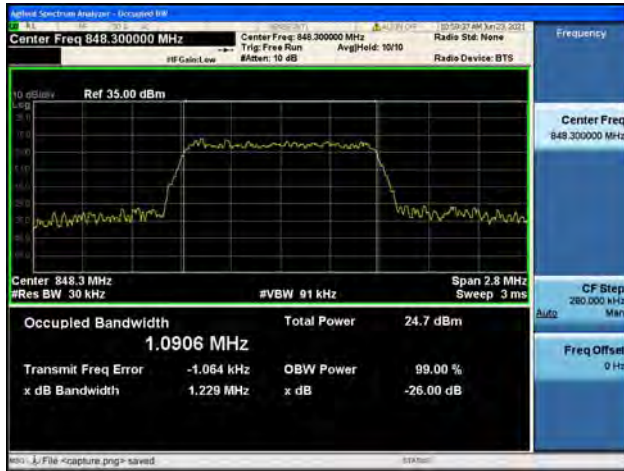


Band5 / 1.4MHz / Mid CH / 64QAM

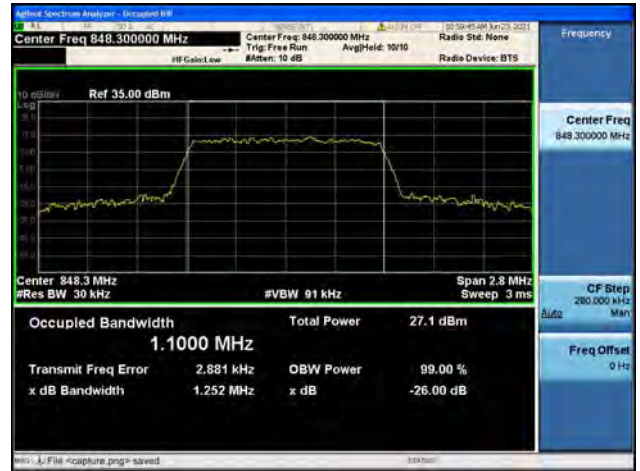




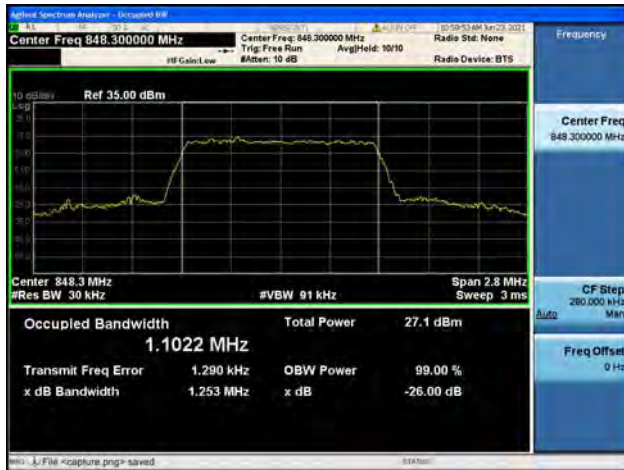
Band5 / 1.4MHz / High CH / QPSK



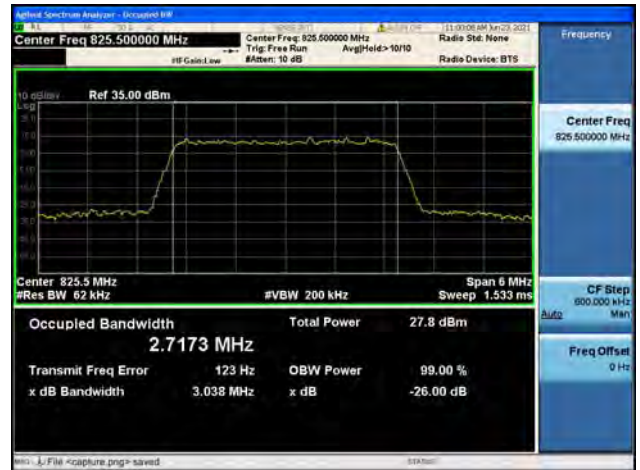
Band5 / 1.4MHz / High CH / 16QAM



Band5 / 1.4MHz / High CH / 64QAM



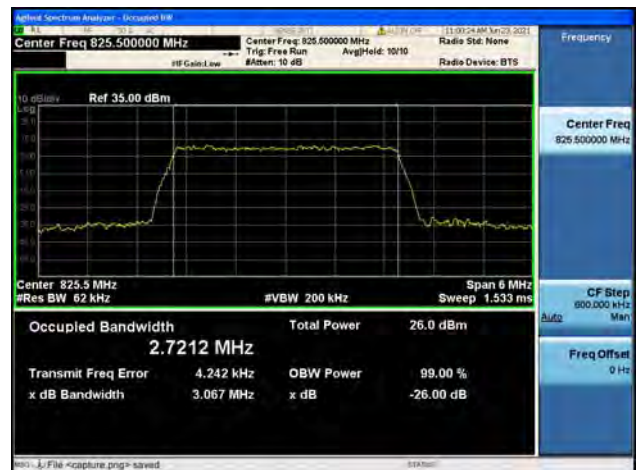
Band5 / 3MHz / Low CH / QPSK



Band5 / 3MHz / Low CH / 16QAM



Band5 / 3MHz / Low CH / 64QAM

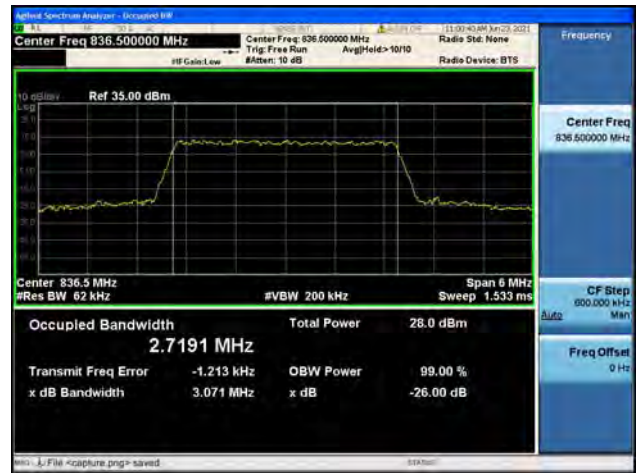




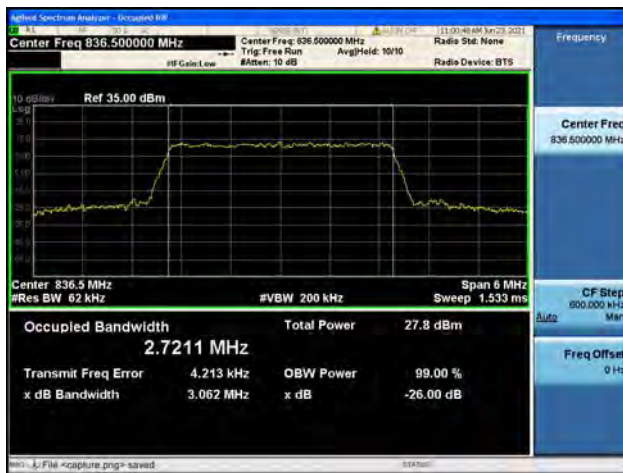
Band5 / 3MHz / Mid CH / QPSK



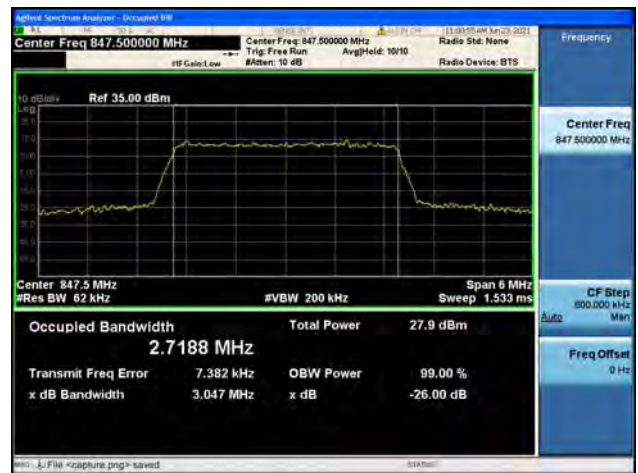
Band5 / 3MHz / Mid CH / 16QAM



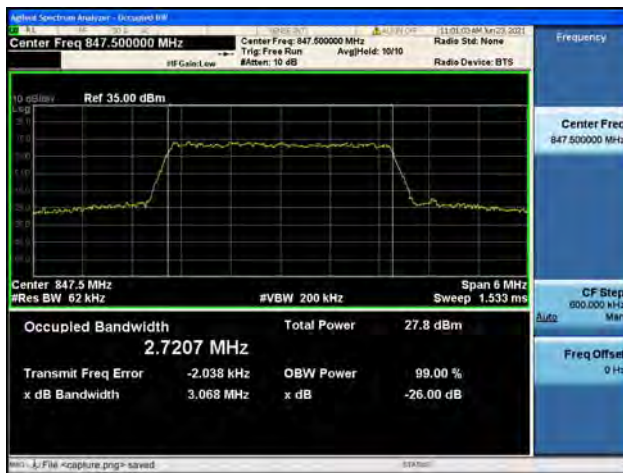
Band5 / 3MHz / Mid CH / 64QAM



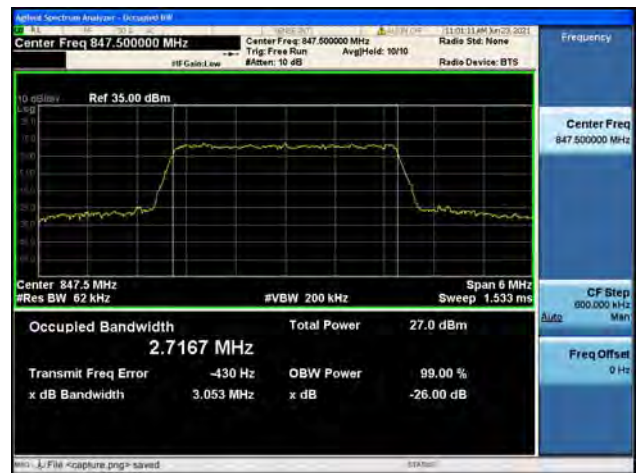
Band5 / 3MHz / High CH / QPSK



Band5 / 3MHz / High CH / 16QAM



Band5 / 3MHz / High CH / 64QAM

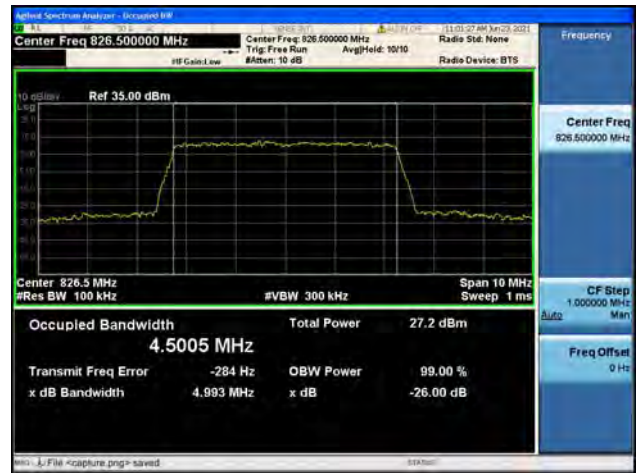




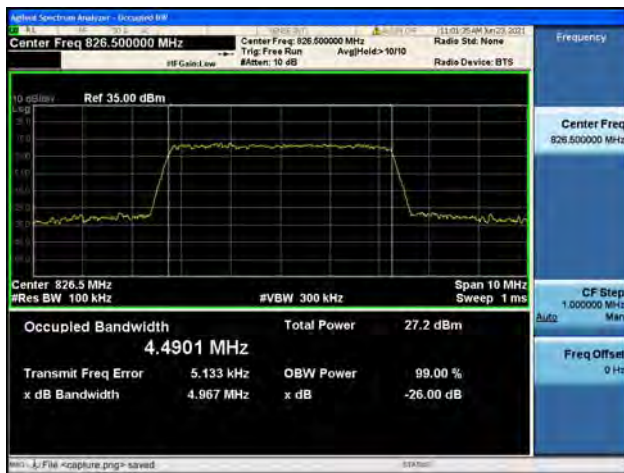
Band5 / 5MHz / Low CH / QPSK



Band5 / 5MHz / Low CH / 16QAM



Band5 / 5MHz / Low CH / 64QAM



Band5 / 5MHz / Mid CH / QPSK



Band5 / 5MHz / Mid CH / 16QAM

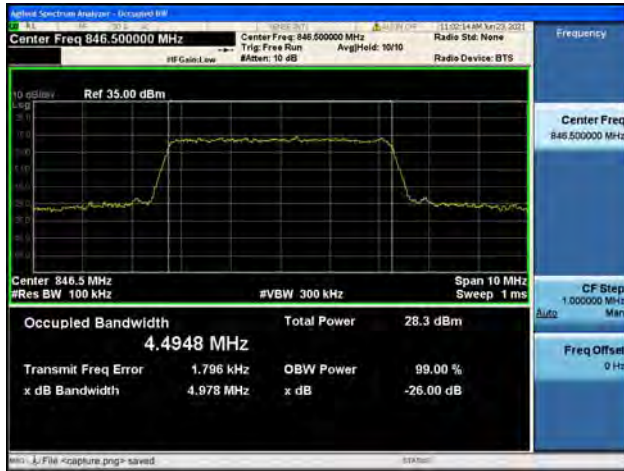


Band5 / 5MHz / Mid CH / 64QAM





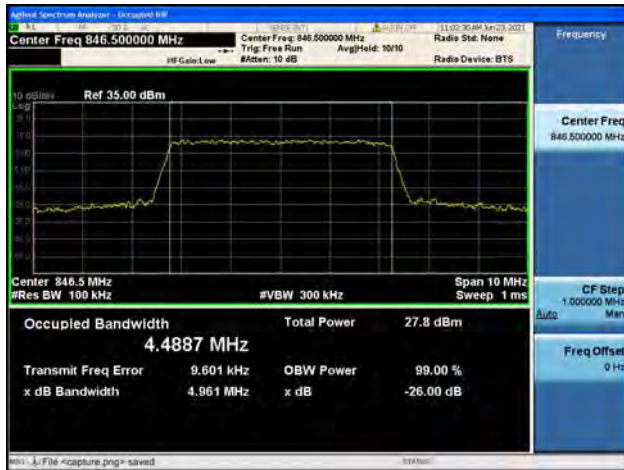
Band5 / 5MHz / High CH / QPSK



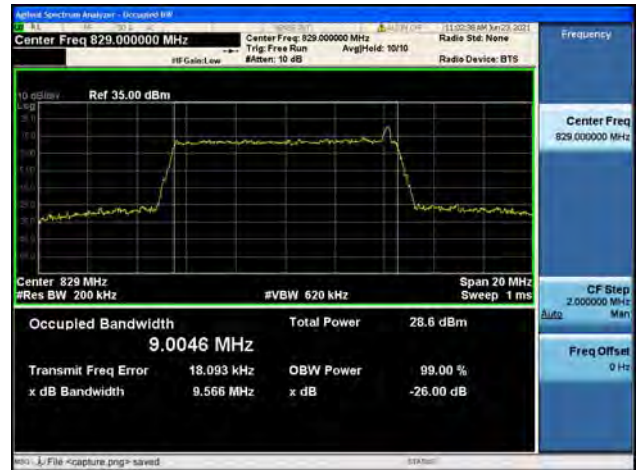
Band5 / 5MHz / High CH / 16QAM



Band5 / 5MHz / High CH / 64QAM



Band5 / 10MHz / Low CH / QPSK



Band5 / 10MHz / Low CH / 16QAM



Band5 / 10MHz / Low CH / 64QAM





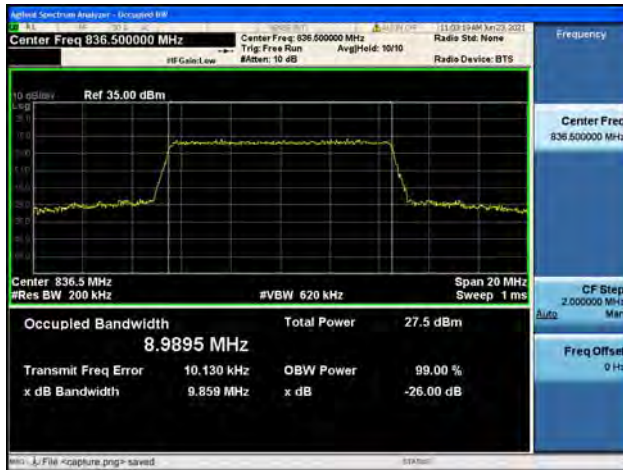
Band5 / 10MHz / Mid CH / QPSK



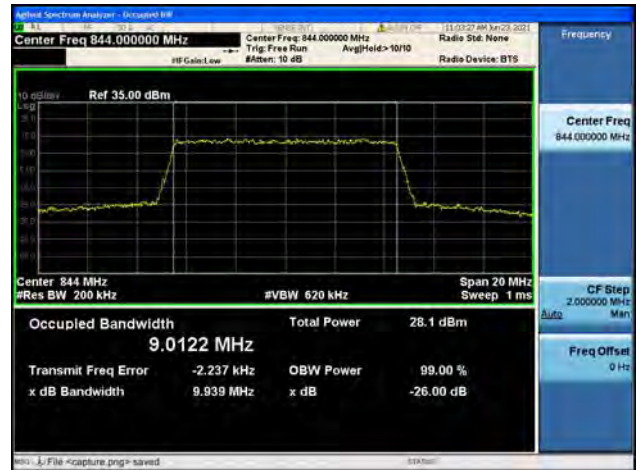
Band5 / 10MHz / Mid CH / 16QAM



Band5 / 10MHz / Mid CH / 64QAM



Band5 / 10MHz / High CH / QPSK



Band5 / 10MHz / High CH / 16QAM

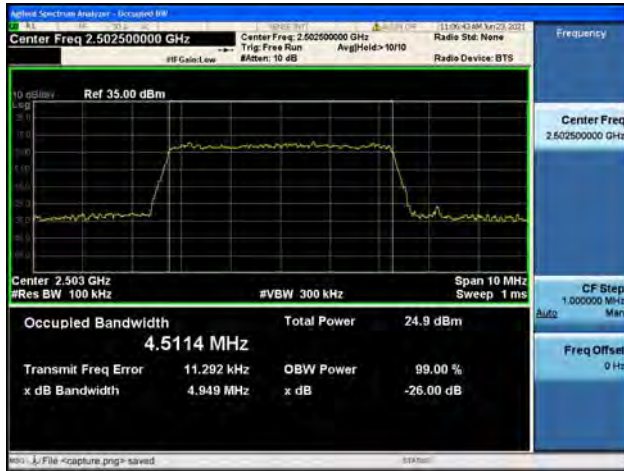


Band5 / 10MHz / High CH / 64QAM

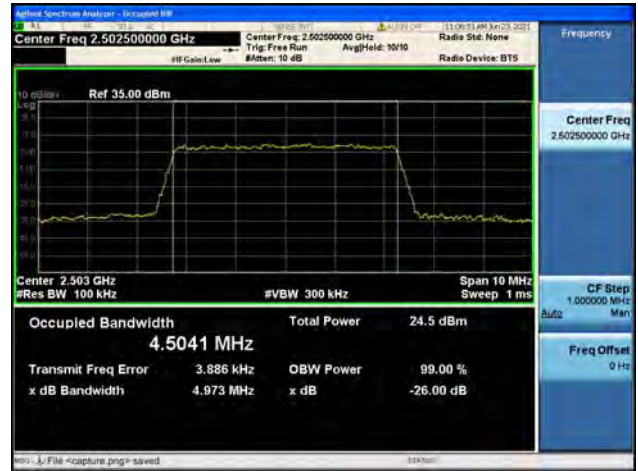




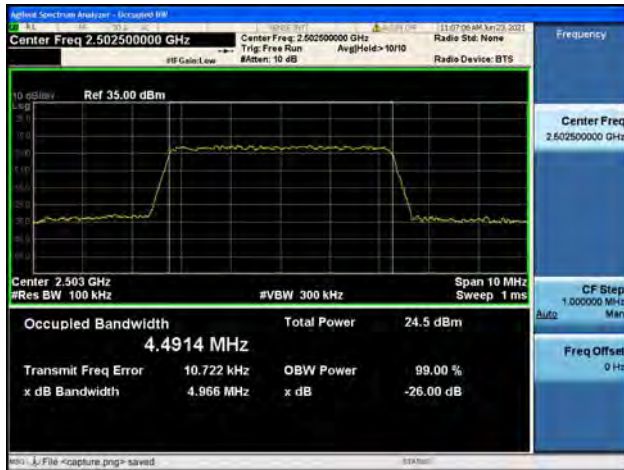
Band7 / 5MHz / Low CH / QPSK



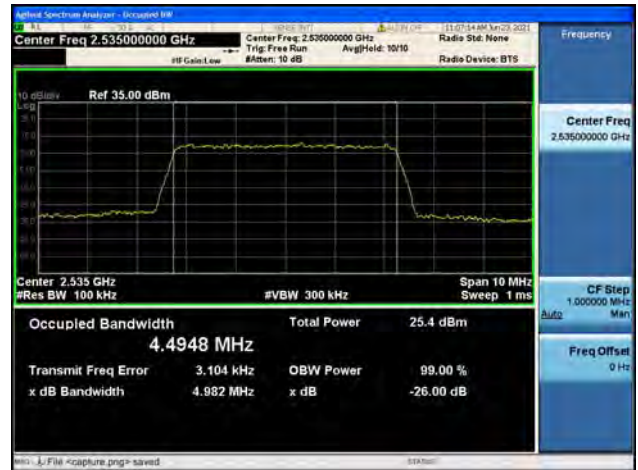
Band7 / 5MHz / Low CH / 16QAM



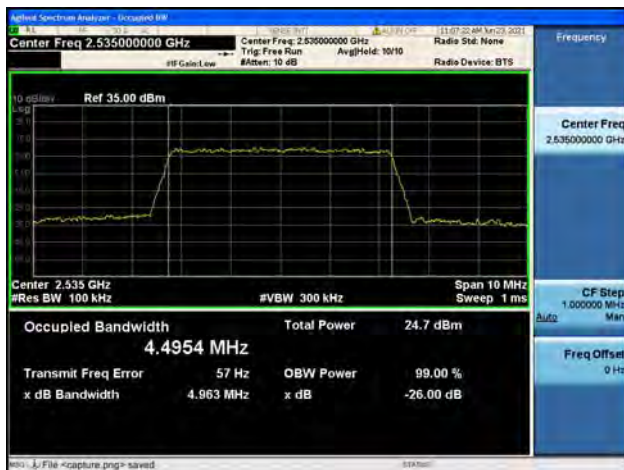
Band7 / 5MHz / Low CH / 64QAM



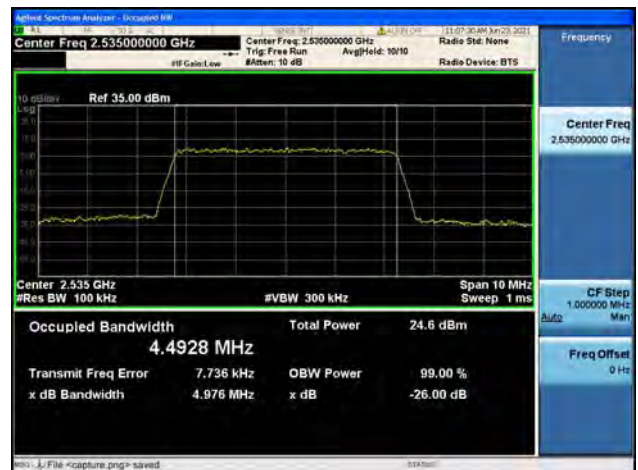
Band7 / 5MHz / Mid CH / QPSK



Band7 / 5MHz / Mid CH / 16QAM

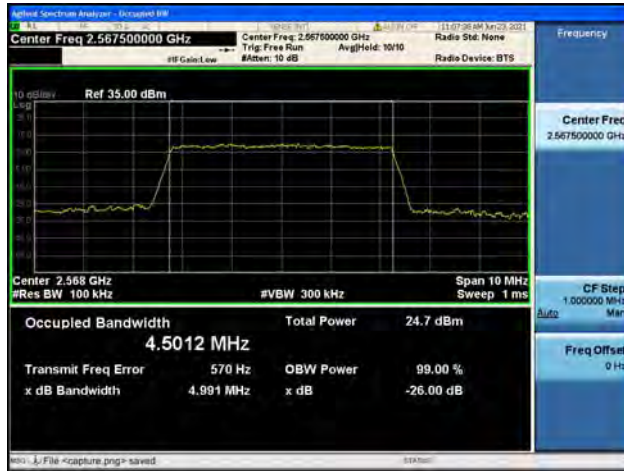


Band7 / 5MHz / Mid CH / 64QAM

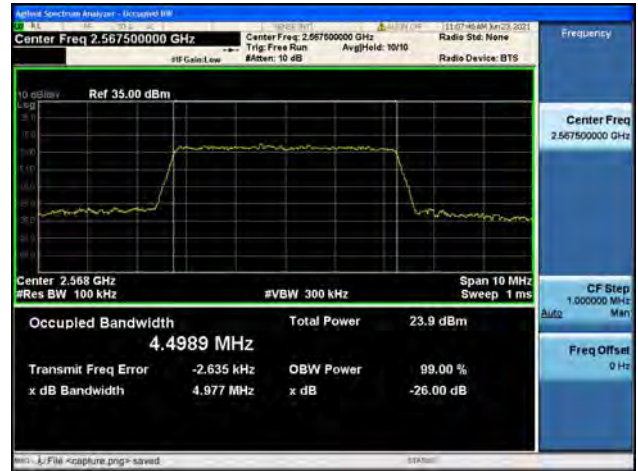




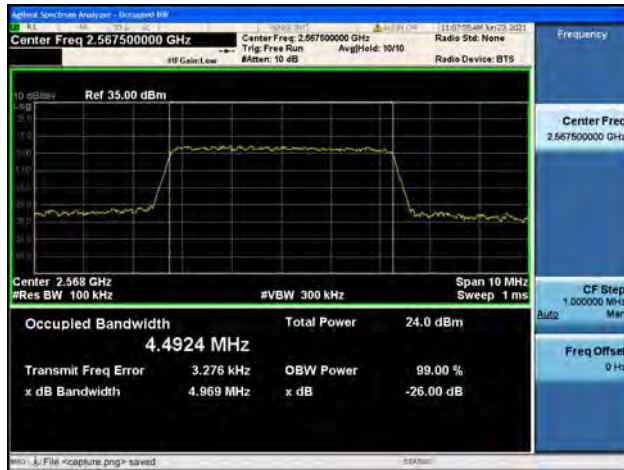
Band7 / 5MHz / High CH / QPSK



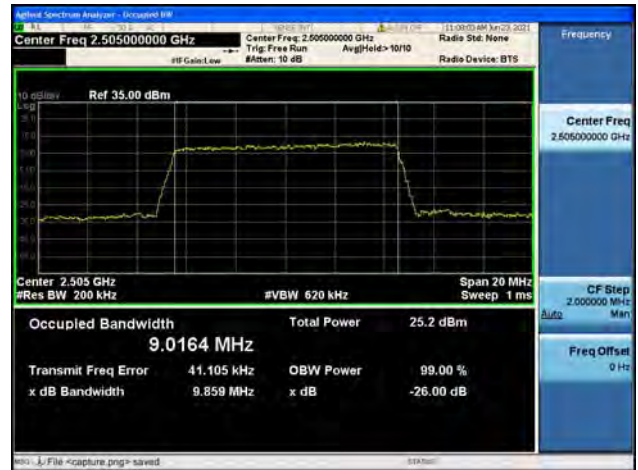
Band7 / 5MHz / High CH / 16QAM



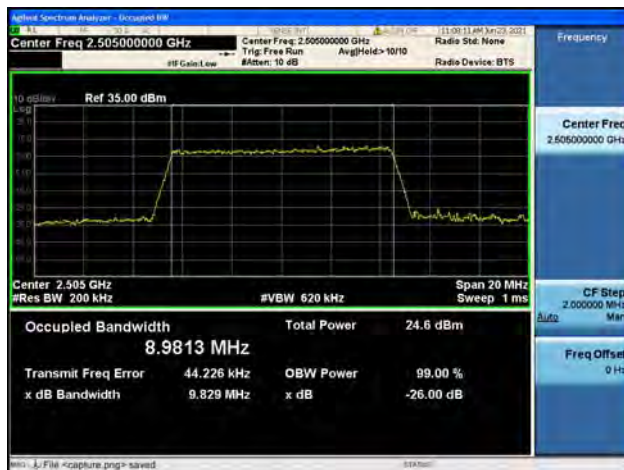
Band7 / 5MHz / High CH / 64QAM



Band7 / 10MHz / Low CH / QPSK



Band7 / 10MHz / Low CH / 16QAM

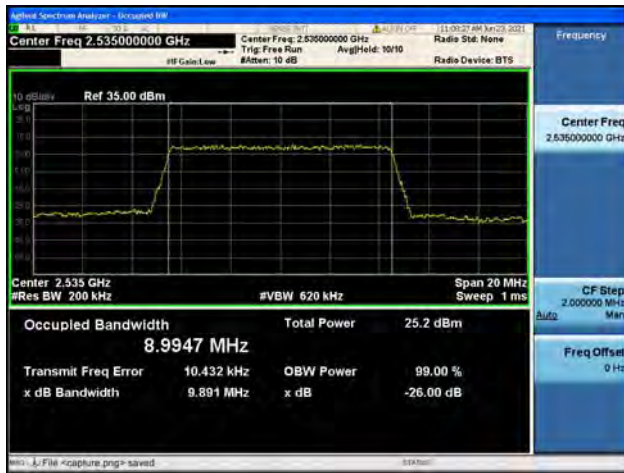


Band7 / 10MHz / Low CH / 64QAM

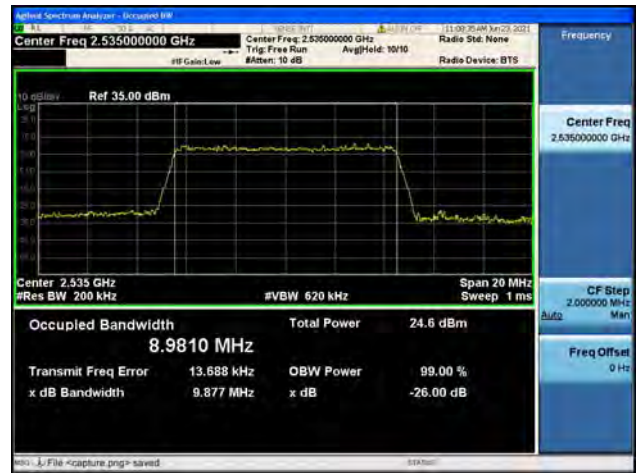




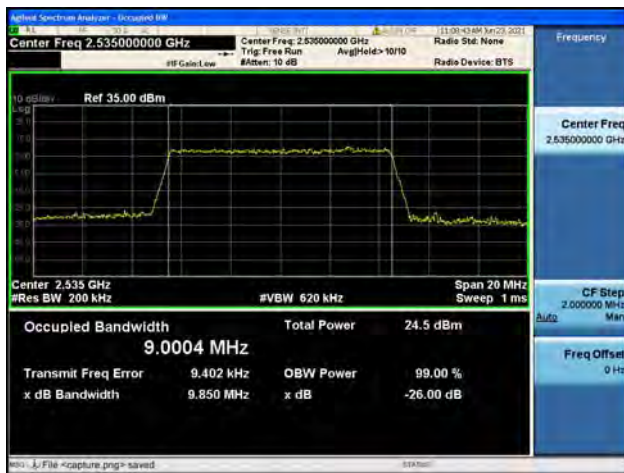
Band7 / 10MHz / Mid CH / QPSK



Band7 / 10MHz / Mid CH / 16QAM



Band7 / 10MHz / Mid CH / 64QAM



Band7 / 10MHz / High CH / QPSK



Band7 / 10MHz / High CH / 16QAM

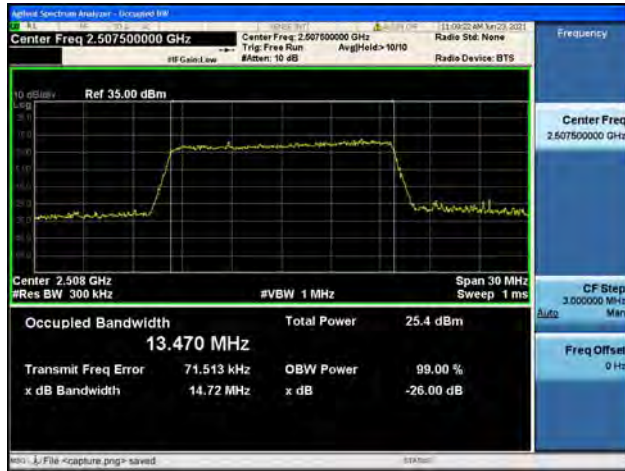


Band7 / 10MHz / High CH / 64QAM

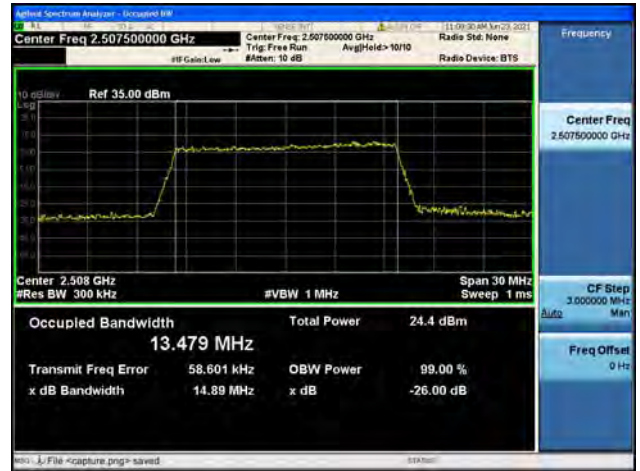




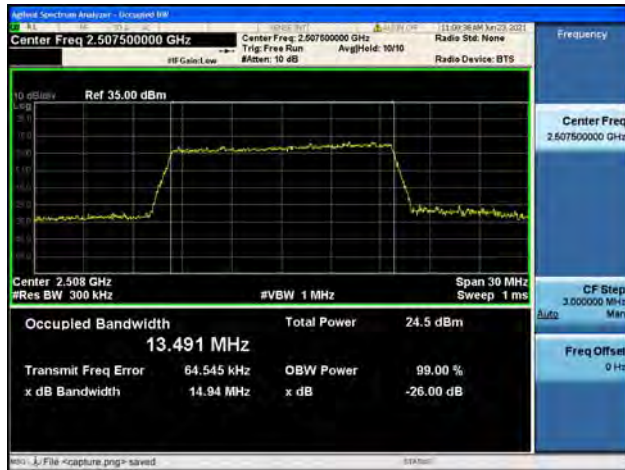
Band7 / 15MHz / Low CH / QPSK



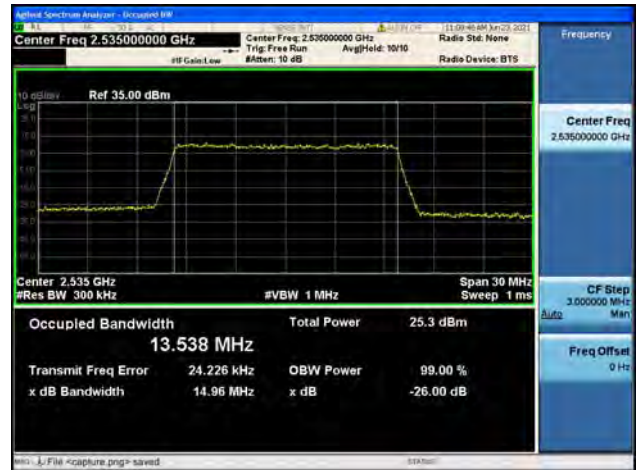
Band7 / 15MHz / Low CH / 16QAM



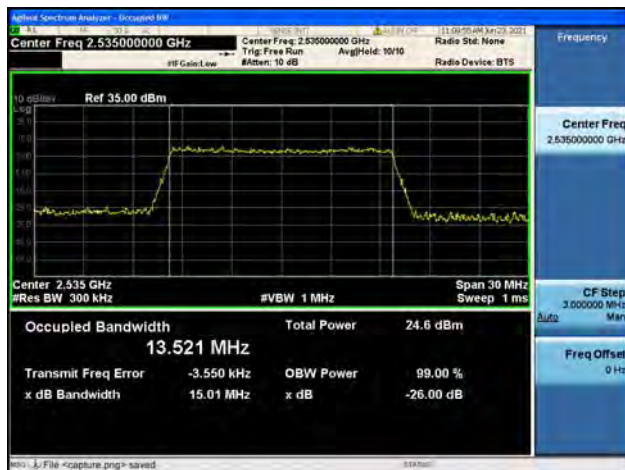
Band7 / 15MHz / Low CH / 64QAM



Band7 / 15MHz / Mid CH / QPSK



Band7 / 15MHz / Mid CH / 16QAM

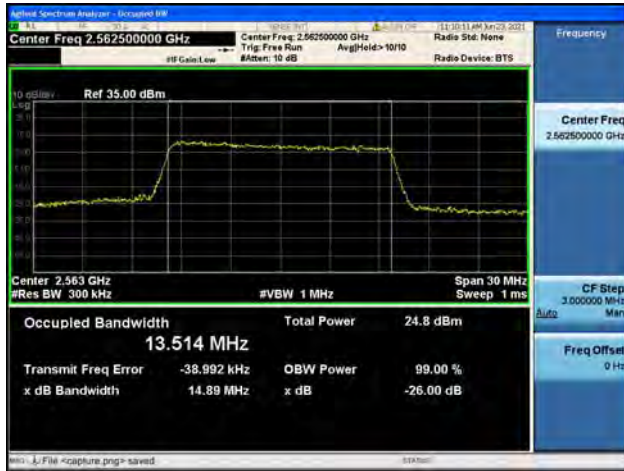


Band7 / 15MHz / Mid CH / 64QAM





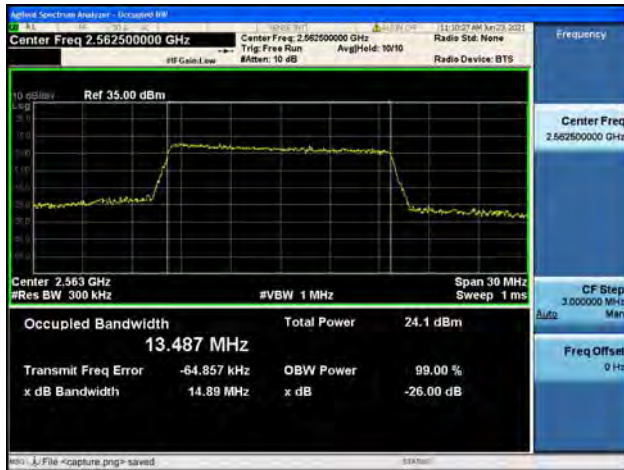
Band7 / 15MHz / High CH / QPSK



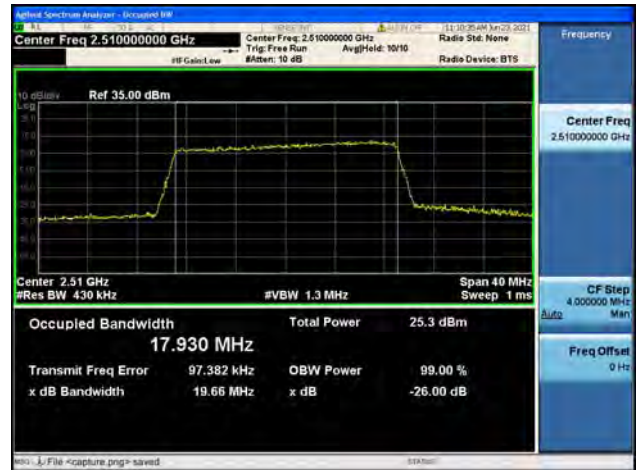
Band7 / 15MHz / High CH / 16QAM



Band7 / 15MHz / High CH / 64QAM



Band7 / 20MHz / Low CH / QPSK



Band7 / 20MHz / Low CH / 16QAM

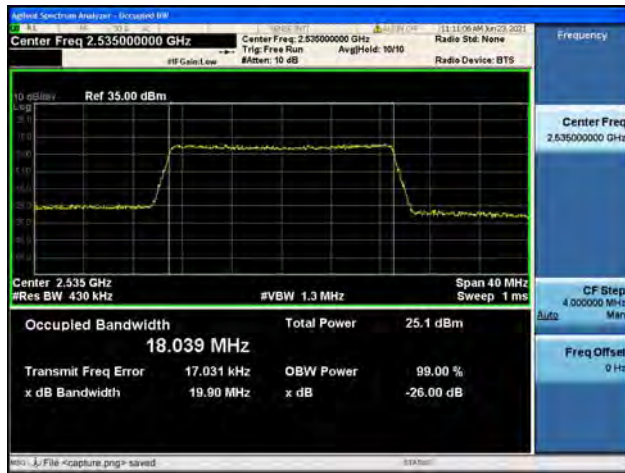


Band7 / 20MHz / Low CH / 64QAM

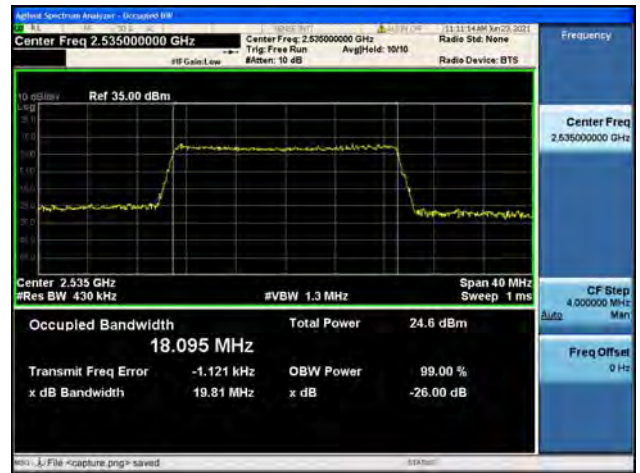




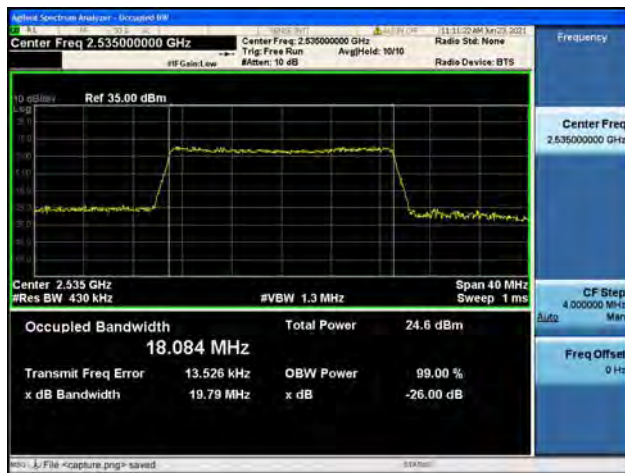
Band7 / 20MHz / Mid CH / QPSK



Band7 / 20MHz / Mid CH / 16QAM



Band7 / 20MHz / Mid CH / 64QAM



Band7 / 20MHz / High CH / QPSK



Band7 / 20MHz / High CH / 16QAM

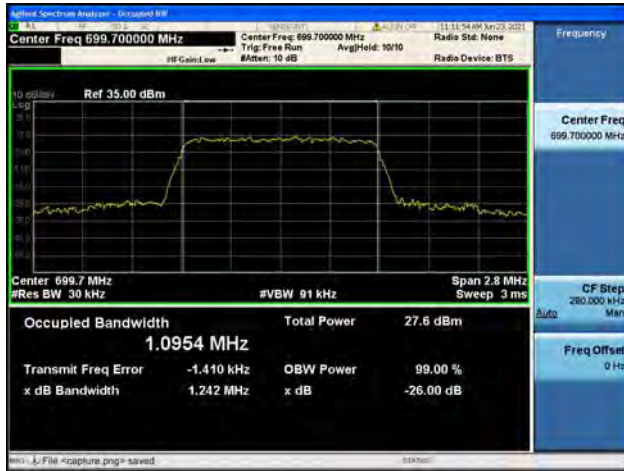


Band7 / 20MHz / High CH / 64QAM

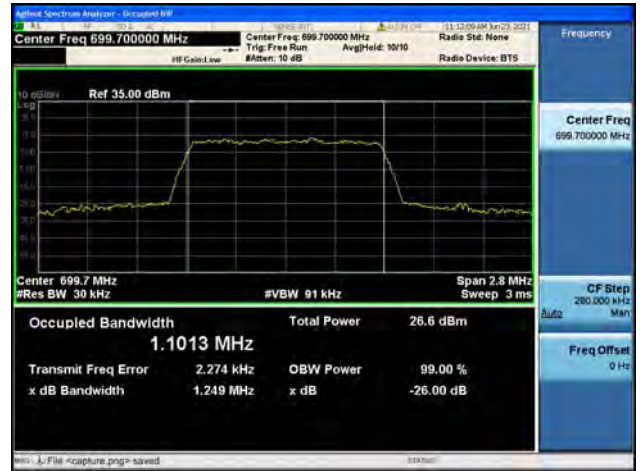




Band12 / 1.4MHz / Low CH / QPSK



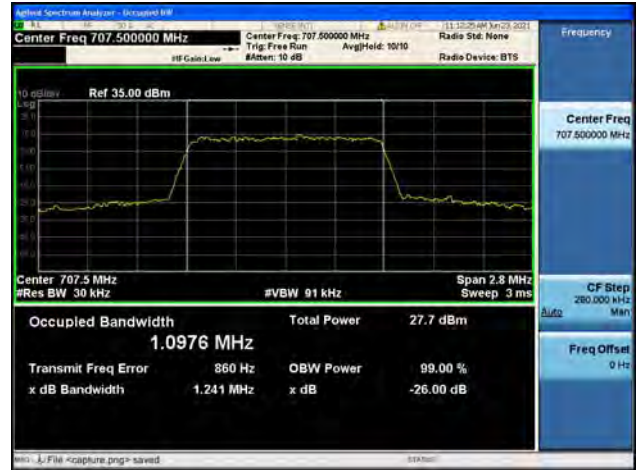
Band12 / 1.4MHz / Low CH / 16QAM



Band12 / 1.4MHz / Low CH / 64QAM



Band12 / 1.4MHz / Mid CH / QPSK



Band12 / 1.4MHz / Mid CH / 16QAM

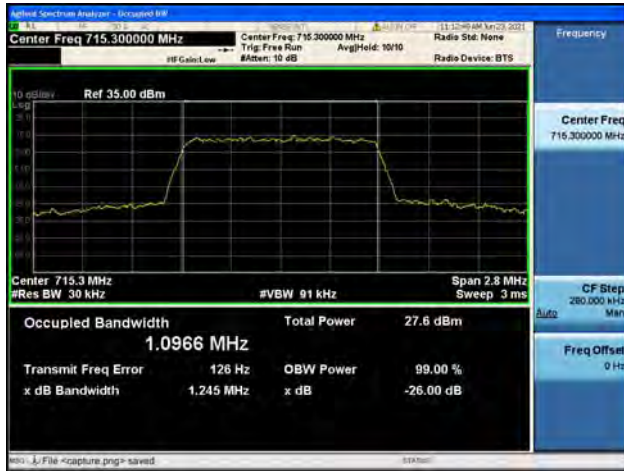


Band12 / 1.4MHz / Mid CH / 64QAM





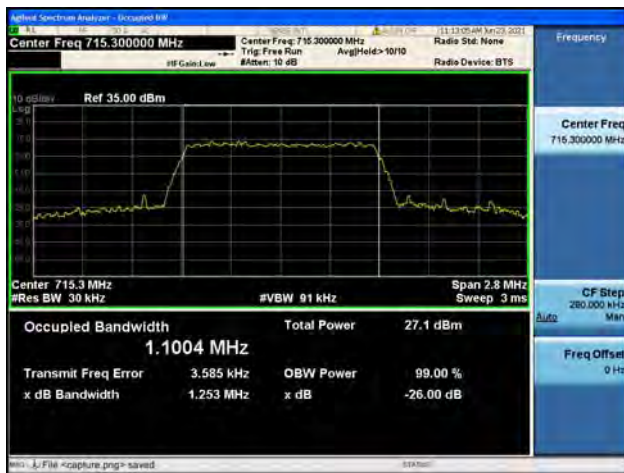
Band12 / 1.4MHz / High CH / QPSK



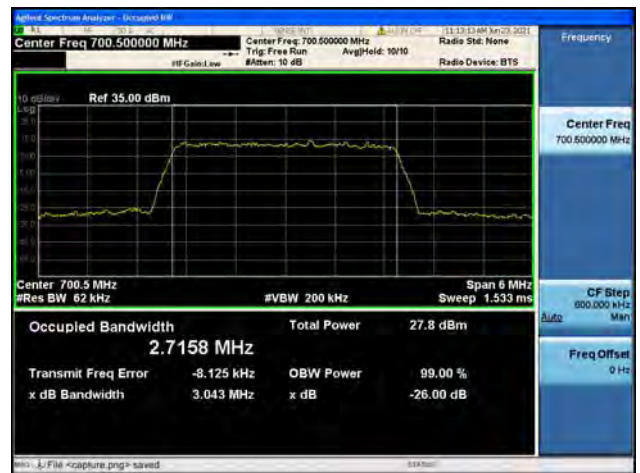
Band12 / 1.4MHz / High CH / 16QAM



Band12 / 1.4MHz / High CH / 64QAM



Band12 / 3MHz / Low CH / QPSK



Band12 / 3MHz / Low CH / 16QAM

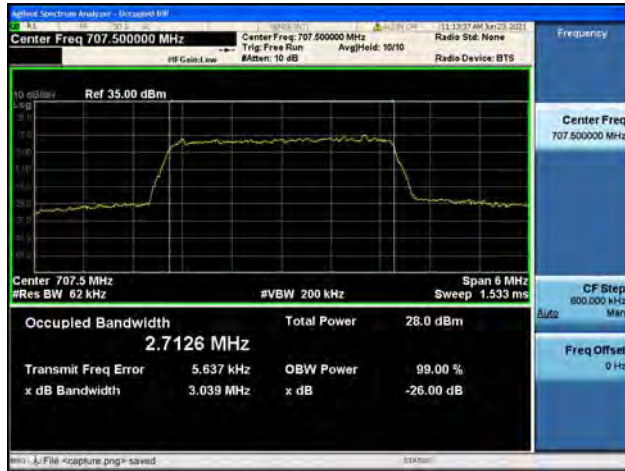


Band12 / 3MHz / Low CH / 64QAM





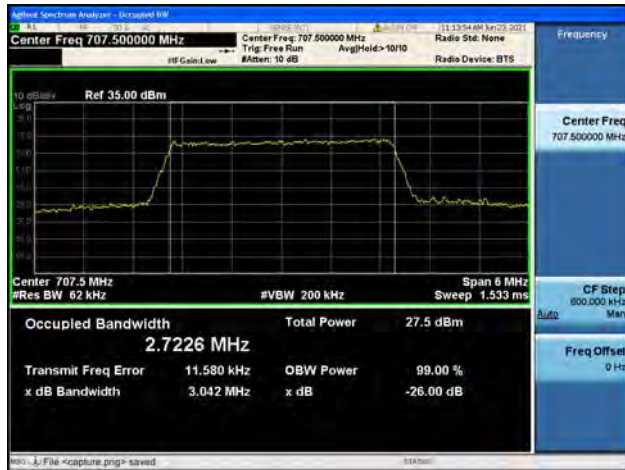
Band12 / 3MHz / Mid CH / QPSK



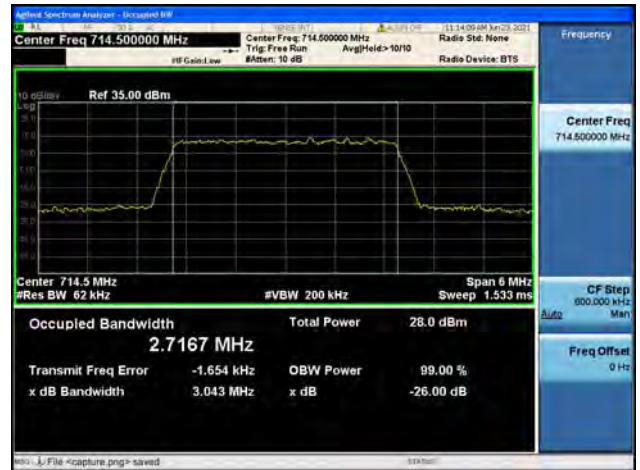
Band12 / 3MHz / Mid CH / 16QAM



Band12 / 3MHz / Mid CH / 64QAM



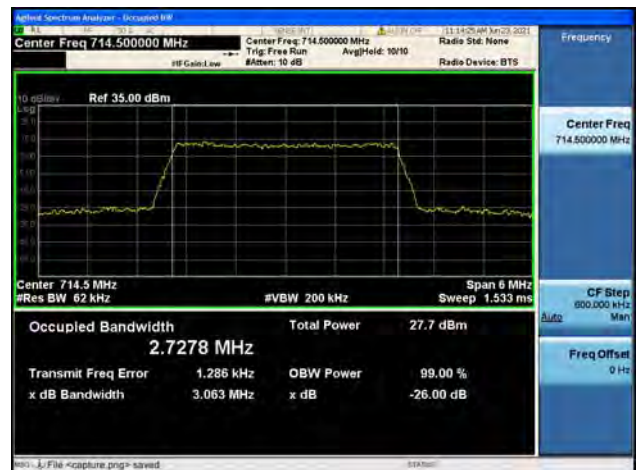
Band12 / 3MHz / High CH / QPSK



Band12 / 3MHz / High CH / 16QAM

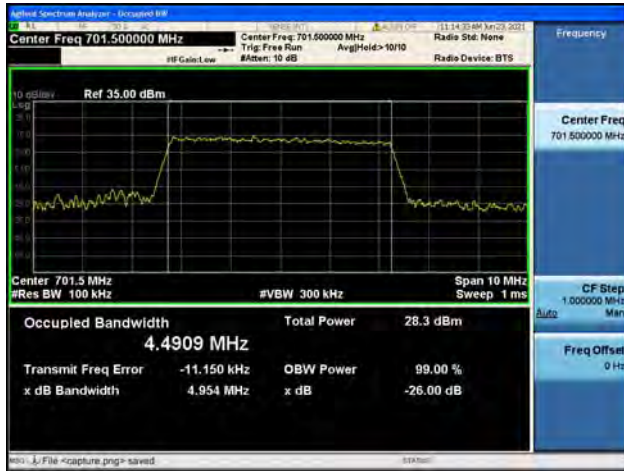


Band12 / 3MHz / High CH / 64QAM





Band12 / 5MHz / Low CH / QPSK



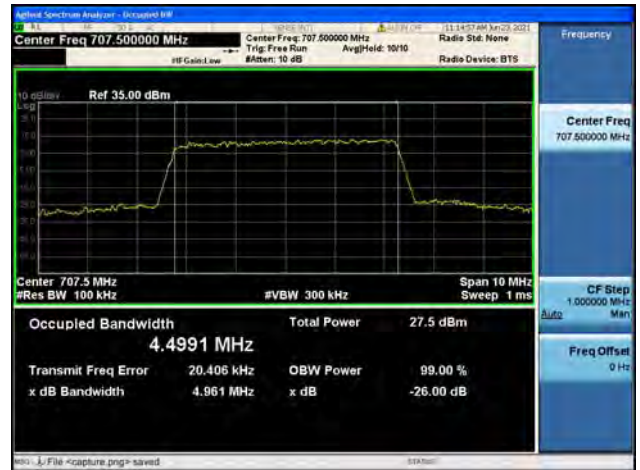
Band12 / 5MHz / Low CH / 16QAM



Band12 / 5MHz / Low CH / 64QAM



Band12 / 5MHz / Mid CH / QPSK



Band12 / 5MHz / Mid CH / 16QAM

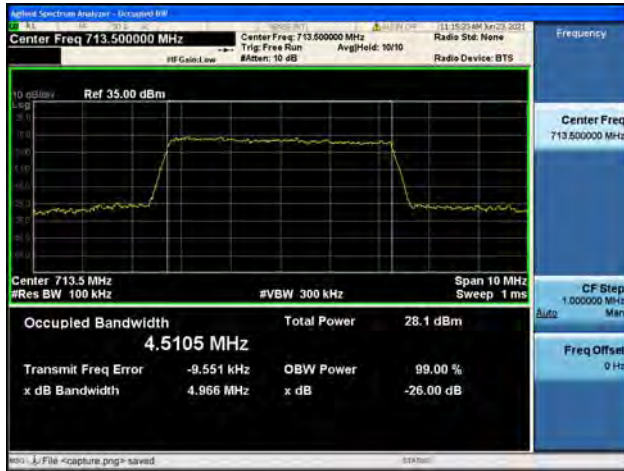


Band12 / 5MHz / Mid CH / 64QAM





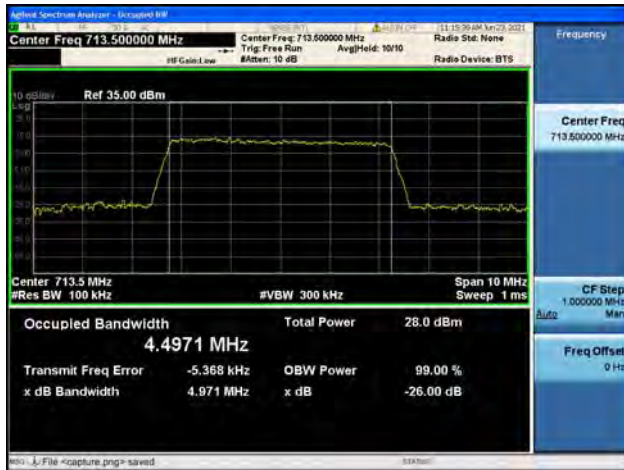
Band12 / 5MHz / High CH / QPSK



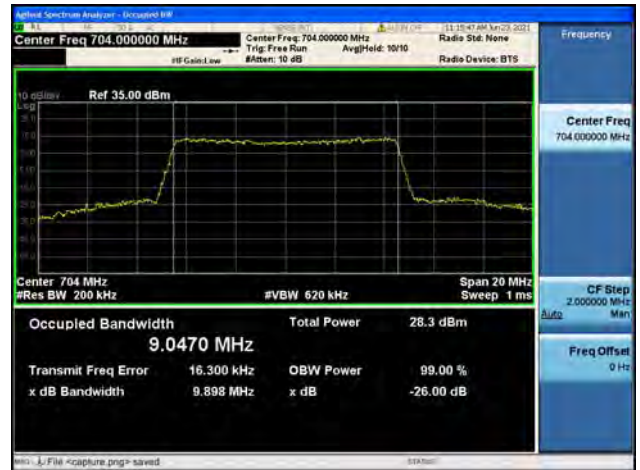
Band12 / 5MHz / High CH / 16QAM



Band12 / 5MHz / High CH / 64QAM



Band12 / 10MHz / Low CH / QPSK



Band12 / 10MHz / Low CH / 16QAM

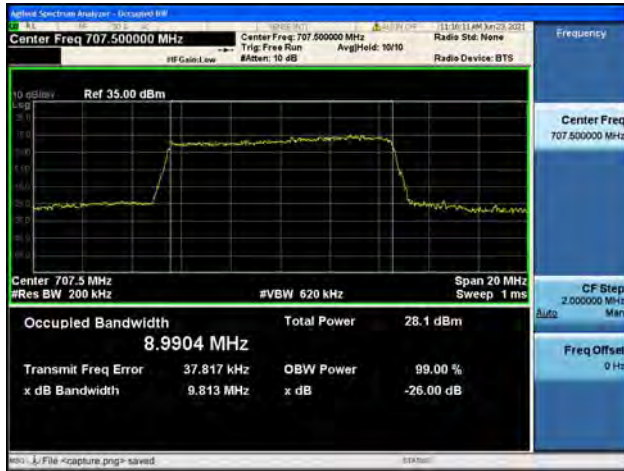


Band12 / 10MHz / Low CH / 64QAM





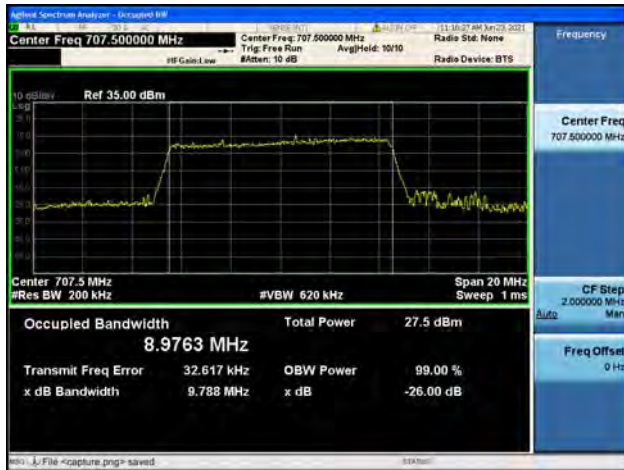
Band12 / 10MHz / Mid CH / QPSK



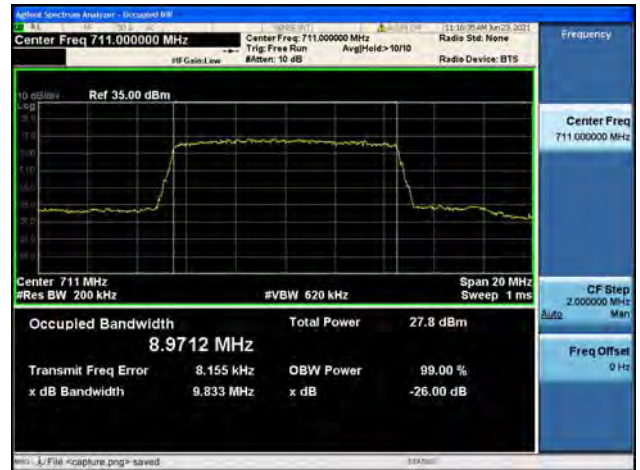
Band12 / 10MHz / Mid CH / 16QAM



Band12 / 10MHz / Mid CH / 64QAM



Band12 / 10MHz / High CH / QPSK



Band12 / 10MHz / High CH / 16QAM



Band12 / 10MHz / High CH / 64QAM

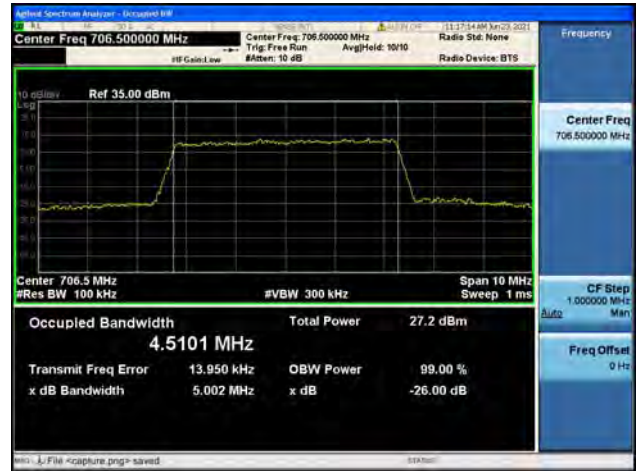




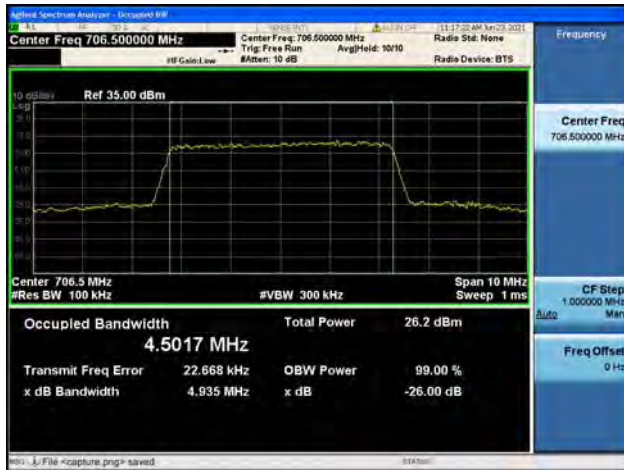
Band17 / 5MHz / Low CH / QPSK



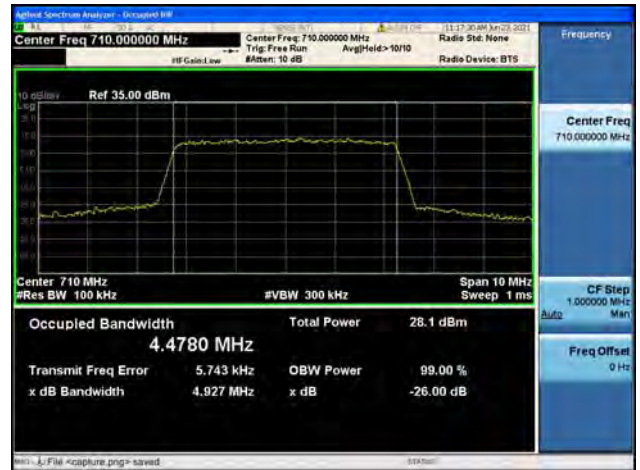
Band17 / 5MHz / Low CH / 16QAM



Band17 / 5MHz / Low CH / 64QAM



Band17 / 5MHz / Mid CH / QPSK



Band17 / 5MHz / Mid CH / 16QAM

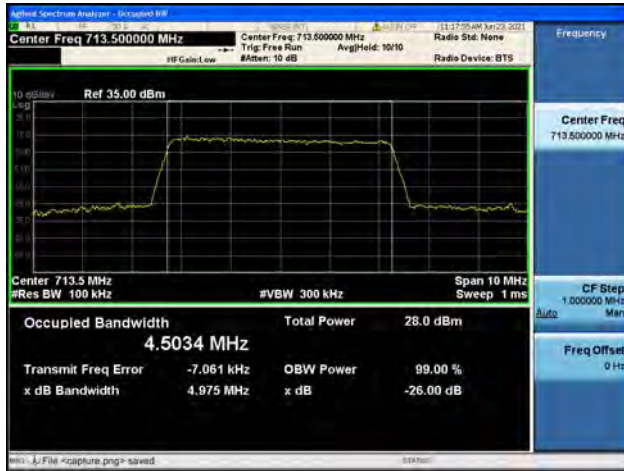


Band17 / 5MHz / Mid CH / 64QAM





Band17 / 5MHz / High CH / QPSK



Band17 / 5MHz / High CH / 16QAM



Band17 / 5MHz / High CH / 64QAM



Band17 / 10MHz / Low CH / QPSK



Band17 / 10MHz / Low CH / 16QAM

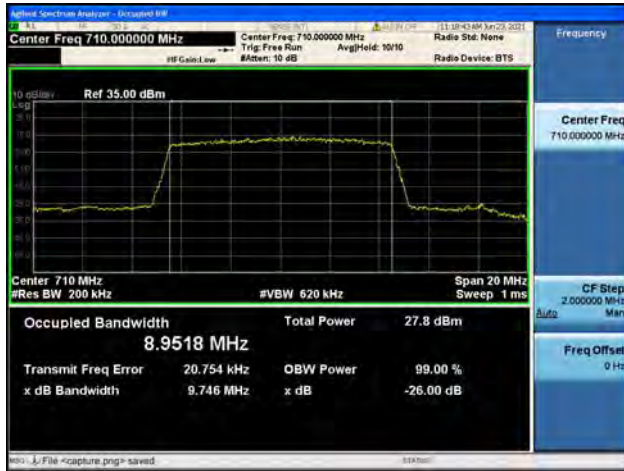


Band17 / 10MHz / Low CH / 64QAM

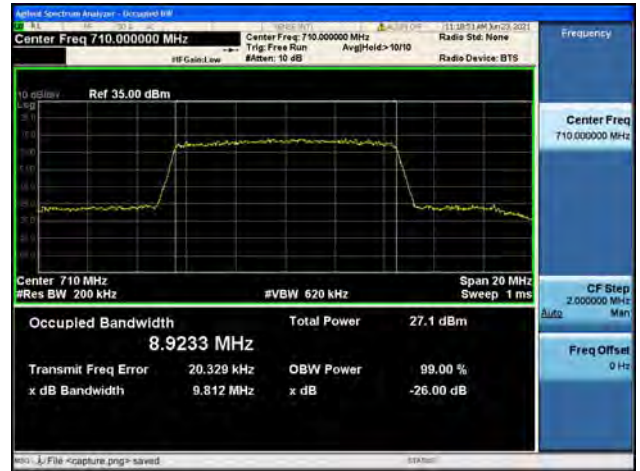




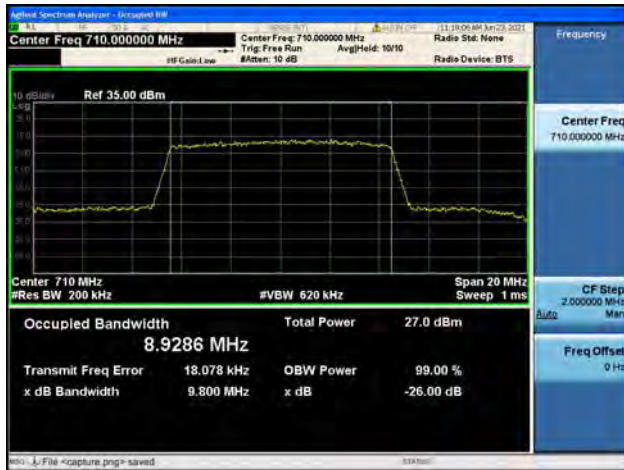
Band17 / 10MHz / Mid CH / QPSK



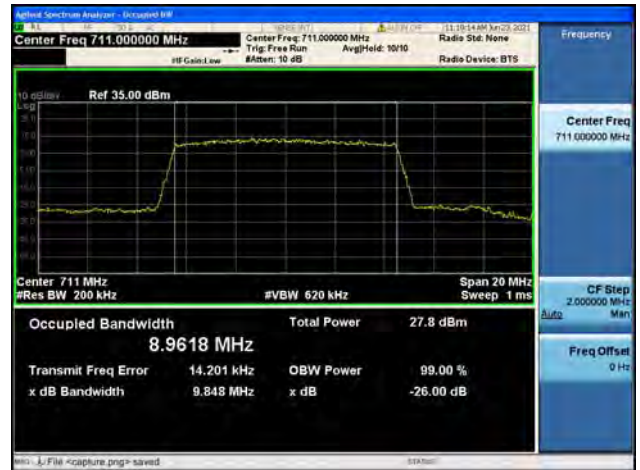
Band17 / 10MHz / Mid CH / 16QAM



Band17 / 10MHz / Mid CH / 64QAM



Band17 / 10MHz / High CH / QPSK



Band17 / 10MHz / High CH / 16QAM

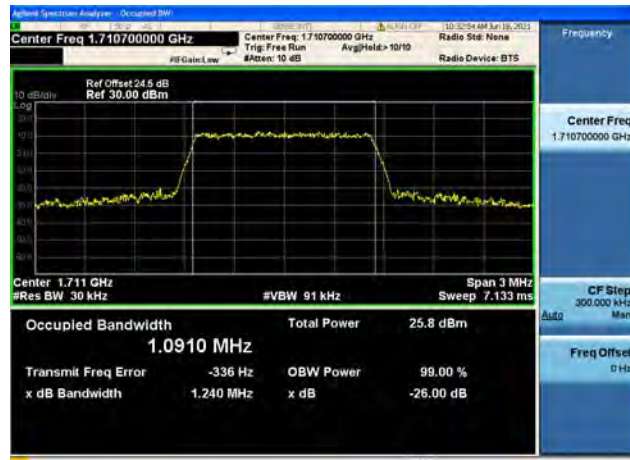


Band17 / 10MHz / High CH / 64QAM





Band66 / 1.4MHz / Low CH / QPSK



Band66 / 1.4MHz / Low CH / 16QAM



Band66 / 1.4MHz / Low CH / 64QAM



Band66 / 1.4MHz / Mid CH / QPSK



Band66 / 1.4MHz / Mid CH / 16QAM



Band66 / 1.4MHz / Mid CH / 64QAM

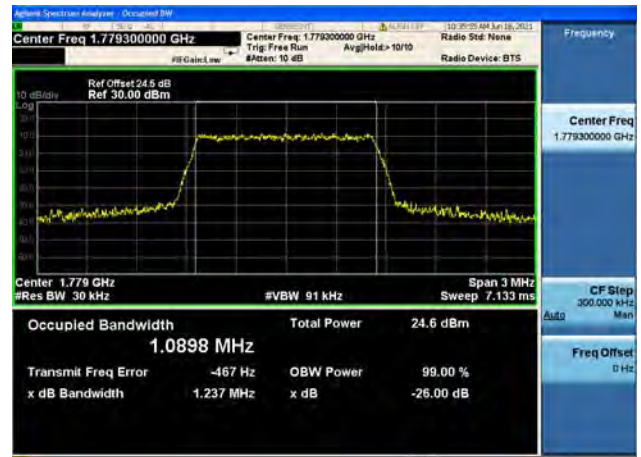




Band66 / 1.4MHz / High CH / QPSK



Band66 / 1.4MHz / High CH / 16QAM



Band66 / 1.4MHz / High CH / 64QAM



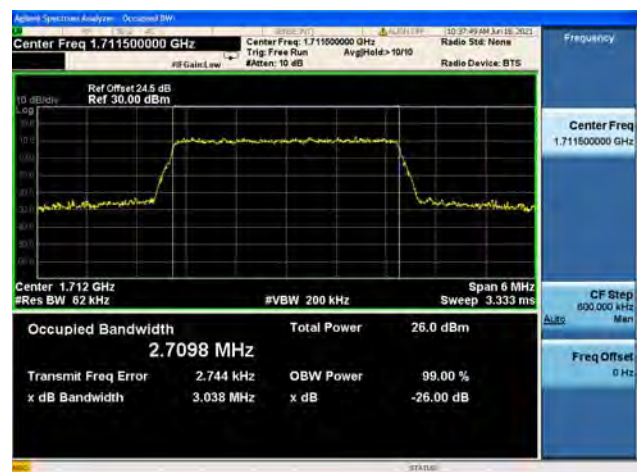
Band66 / 3MHz / Low CH / QPSK



Band66 / 3MHz / Low CH / 16QAM

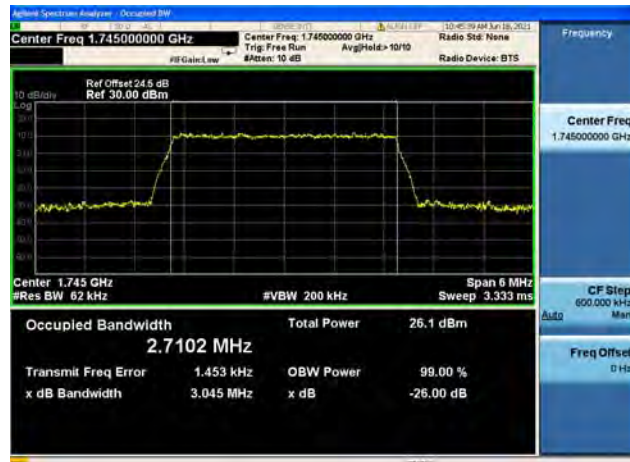


Band66 / 3MHz / Low CH / 64QAM

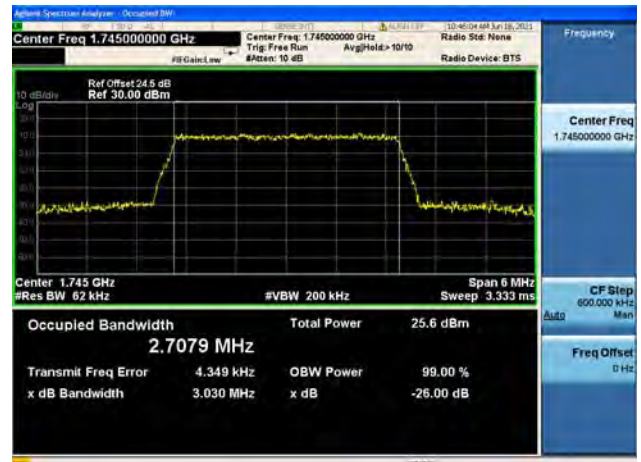




Band66 / 3MHz / Mid CH / QPSK



Band66 / 3MHz / Mid CH / 16QAM



Band66 / 3MHz / Mid CH / 64QAM



Band66 / 3MHz / High CH / QPSK

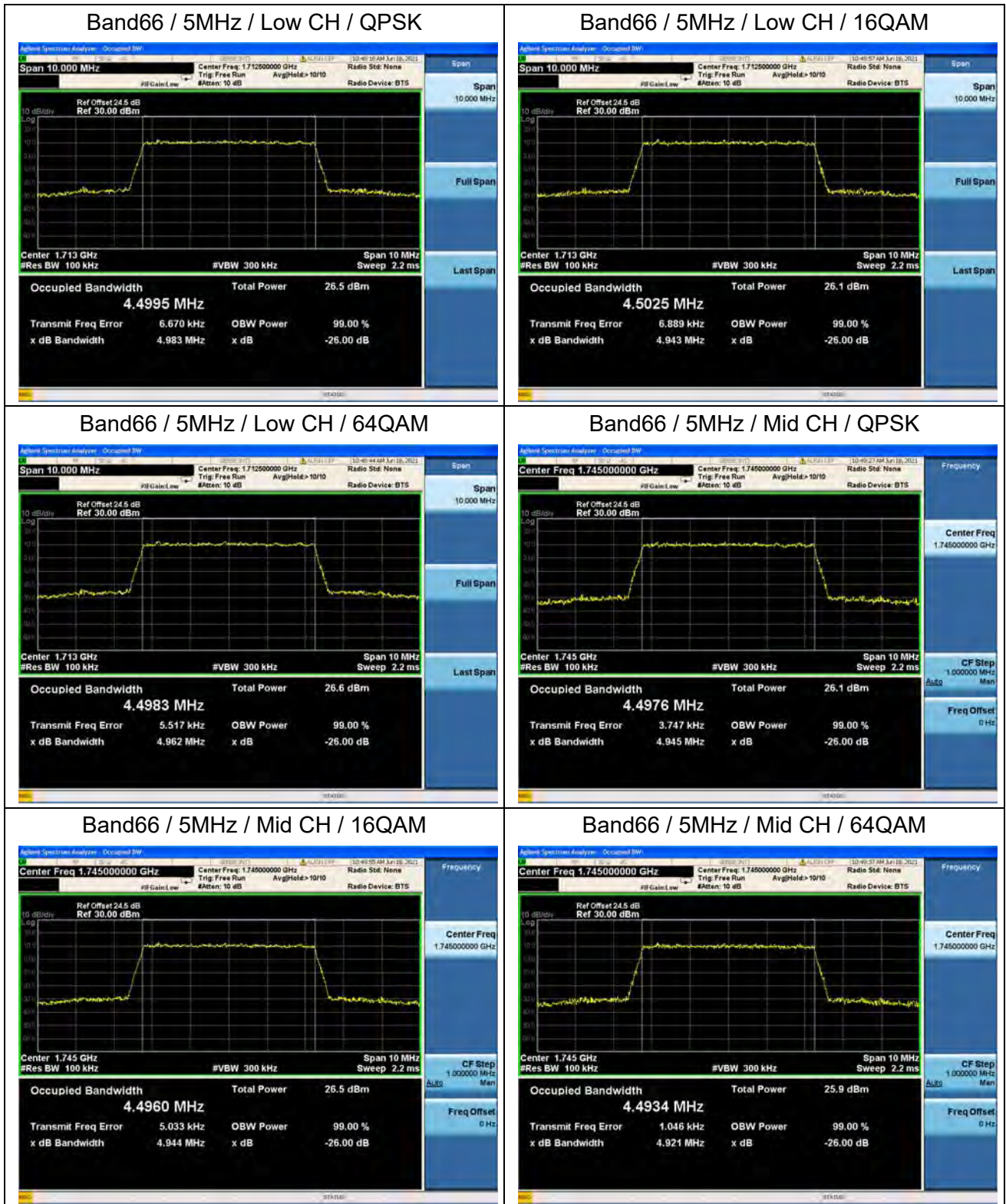


Band66 / 3MHz / High CH / 16QAM



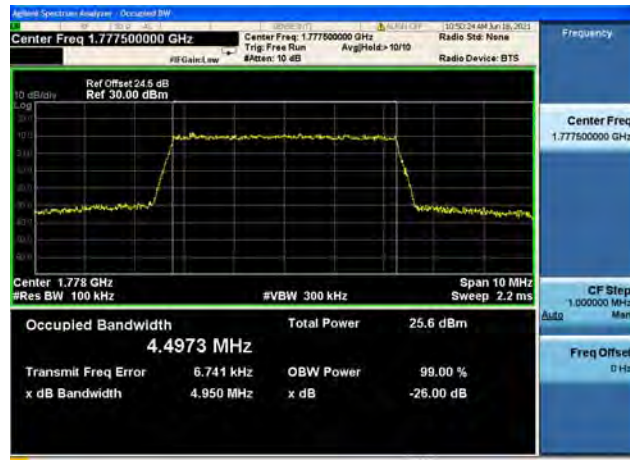
Band66 / 3MHz / High CH / 64QAM



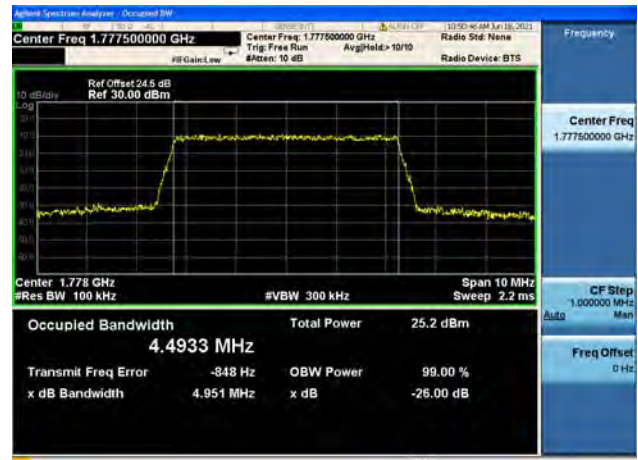




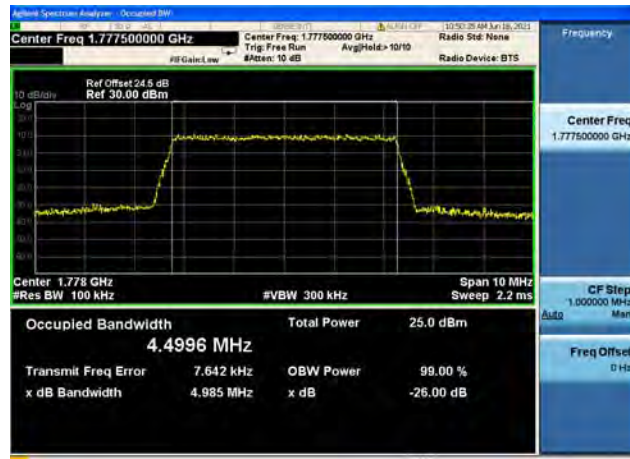
Band66 / 5MHz / High CH / QPSK



Band66 / 5MHz / High CH / 16QAM



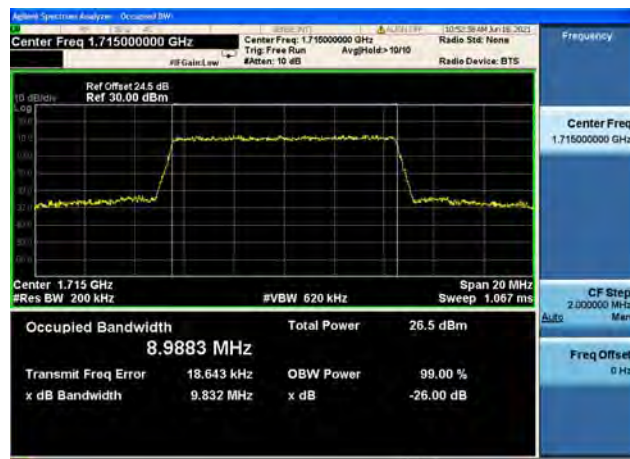
Band66 / 5MHz / High CH / 64QAM



Band66 / 10MHz / Low CH / QPSK



Band66 / 10MHz / Low CH / 16QAM



Band66 / 10MHz / Low CH / 64QAM





Band66 / 10MHz / Mid CH / QPSK



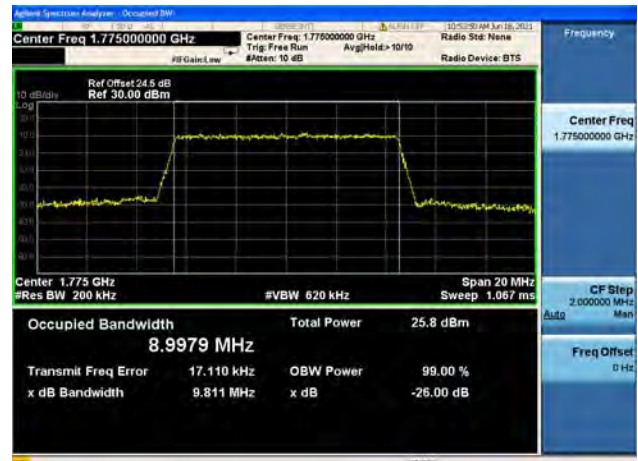
Band66 / 10MHz / Mid CH / 16QAM



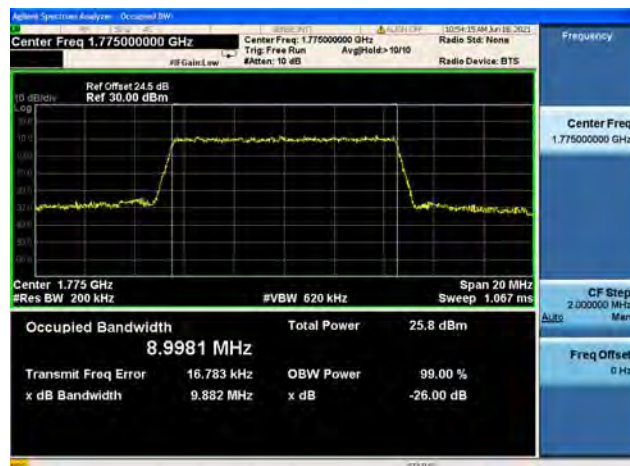
Band66 / 10MHz / Mid CH / 64QAM



Band66 / 10MHz / High CH / QPSK



Band66 / 10MHz / High CH / 16QAM



Band66 / 10MHz / High CH / 64QAM

