



# TEST REPORT

**APPLICANT** : BLU Products, Inc.

**PRODUCT NAME** : Smart Phone

**MODEL NAME** : G71+

**BRAND NAME** : BLU

**FCC ID** : YHLBLUG71P

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

**RECEIPT DATE** : 2021-11-19

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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 ..... 258**
- Annex A Test Uncertainty ..... 282**
- Annex B Testing Laboratory Information ..... 283**

Change History		
Version	Date	Reason for change
1.0	2022-01-10	First edition



# 1. Technical Information

Note: Provide by applicant.

## 1.1. Applicant and Manufacturer Information

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

## 1.2. Equipment Under Test (EUT) Description

<b>Product Name:</b>	Smart Phone	
<b>Sample No.:</b>	5#	
<b>Hardware Version:</b>	BLU_G0570WW_V11.0.04.01_GENERIC	
<b>Software Version:</b>	V2.0	
<b>Modulation Type:</b>	QPSK, 16QAM, 64QAM	
<b>Carrier Aggregation:</b>	Not Support	
<b>Operation Band:</b>	Band 2 / 4 / 5 / 7 / 12 / 17 / 66	
<b>Frequency Range:</b>	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



<b>Channel Bandwidth:</b>	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
<b>Antenna Type:</b>	Fixed Internal Antenna	
<b>Antenna Gain:</b>	LTE Band 2	-0.4dBi
	LTE Band 4	-1.0dBi
	LTE Band 5	-5.2dBi
	LTE Band 7	-0.5dBi
	LTE Band 12	-5.9dBi
	LTE Band 17	-5.9dBi
	LTE Band 66	2.0dBi
<b>Accessory Information:</b>	Battery	
	Brand Name:	BLU
	Model No.:	C956545490P
	Serial No.:	N/A
	Capacity:	4900mAh
	Rated Voltage:	3.85V
	Charge Limit:	4.4V
	Manufacturer:	Zhongshan TMB Battery CO.,LTD
	AC Adapter	
	Brand Name:	BLU
	Model No.:	US-CR-2000
	Serial No.:	N/A
	Rated Output:	5V $\pm$ 2000mA
	Rated Input:	100-240V $\sim$ 50/60Hz, 0.3A
	Manufacturer:	Shenzhen BaiJunda Electronics 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

<b>LTE Band 2</b>		<b>Maximum E.R.P./E.I.R.P. (W)</b>			<b>Emission Designator (99%OBW)</b>		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
20	0.139	0.129	0.111	18M0G7D	18M0W7D	18M0W7D	
15	0.137	0.127	0.110	13M5G7D	13M5W7D	13M5W7D	
10	0.136	0.126	0.109	9M02G7D	8M98W7D	9M00W7D	
5	0.135	0.125	0.108	4M51G7D	4M50W7D	4M50W7D	
3	0.133	0.124	0.107	2M72G7D	2M72W7D	2M72W7D	
1.4	0.132	0.122	0.106	1M10G7D	1M10W7D	1M10W7D	
<b>LTE Band 4</b>		<b>Maximum E.R.P./E.I.R.P. (W)</b>			<b>Emission Designator (99%OBW)</b>		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
20	0.158	0.132	0.132	18M0G7D	18M0W7D	18M0W7D	
15	0.156	0.131	0.130	13M5G7D	13M5W7D	13M5W7D	
10	0.155	0.130	0.129	9M04G7D	8M98W7D	9M00W7D	
5	0.153	0.129	0.128	4M50G7D	4M51W7D	4M50W7D	
3	0.152	0.127	0.127	2M72G7D	2M72W7D	2M72W7D	
1.4	0.151	0.127	0.126	1M10G7D	1M10W7D	1M10W7D	
<b>LTE Band 5</b>		<b>Maximum E.R.P./E.I.R.P. (W)</b>			<b>Emission Designator (99%OBW)</b>		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
10	0.034	0.030	0.025	9M01G7D	8M99W7D	9M00W7D	
5	0.034	0.030	0.025	4M50G7D	4M50W7D	4M50W7D	
3	0.034	0.029	0.025	2M72G7D	2M71W7D	2M73W7D	
1.4	0.034	0.029	0.025	1M10G7D	1M10W7D	1M10W7D	
<b>LTE Band 7</b>		<b>Maximum E.R.P./E.I.R.P. (W)</b>			<b>Emission Designator (99%OBW)</b>		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
20	0.113	0.104	0.089	18M0G7D	18M0W7D	18M0W7D	
15	0.112	0.104	0.088	13M5G7D	13M5W7D	13M5W7D	
10	0.111	0.103	0.087	9M02G7D	8M99W7D	9M00W7D	
5	0.111	0.102	0.087	4M51G7D	4M50W7D	4M50W7D	
<b>LTE Band 12</b>		<b>Maximum E.R.P./E.I.R.P. (W)</b>			<b>Emission Designator (99%OBW)</b>		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
10	0.030	0.025	0.020	9M02G7D	8M99W7D	9M00W7D	
5	0.030	0.025	0.020	4M51G7D	4M51W7D	4M50W7D	
3	0.030	0.025	0.020	2M72G7D	2M72W7D	2M73W7D	
1.4	0.029	0.024	0.019	1M10G7D	1M10W7D	1M10W7D	



<b>LTE Band 17</b>	<b>Maximum E.R.P./E.I.R.P. (W)</b>			<b>Emission Designator (99%OBW)</b>		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10	0.030	0.026	0.021	9M02G7D	8M99W7D	9M00W7D
5	0.021	0.026	0.021	4M51G7D	4M51W7D	4M50W7D
<b>LTE Band 66</b>	<b>Maximum E.R.P./E.I.R.P. (W)</b>			<b>Emission Designator (99%OBW)</b>		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.250	0.206	0.171	18M0G7D	18M0W7D	18M0W7D
15	0.247	0.203	0.168	13M5G7D	13M5W7D	13M5W7D
10	0.243	0.200	0.166	9M01G7D	8M98W7D	9M01W7D
5	0.241	0.199	0.164	4M50G7D	4M51W7D	4M50W7D
3	0.239	0.197	0.163	2M72G7D	2M72W7D	2M72W7D
1.4	0.237	0.195	0.161	1M10G7D	1M10W7D	1M10W7D



## 1.4. Test Standards and Results

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

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

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

Section	Description	Test Date	Test Engineer	Result	Method Determination /Remark
2.1046 22.913(a)(2) 24.232(c) 27.50(c)(10) 27.50(d)(4) 27.50(h)(2)	Transmitter Conducted Output Power and E.R.P./E.I.R.P.	Jan 06, 2022	Tan Xiaowei Li Huaijie	PASS	No deviation
2.1049	Occupied Bandwidth	Nov 24&25, 2021	Li Huaijie	PASS	No deviation
2.1055 22.355 24.235 27.54	Frequency Stability	Nov 26, 2021	Li Huaijie	PASS	No deviation
24.232(d), 27.50(d)(5)	Peak to Average Radio	Nov 24&25, 2021	Li Huaijie	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(g) 27.53(h) 27.53(m)(4)	Conducted Spurious Emissions	Nov 24, 2021	Li Huaijie	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(g)	Band Edge	Nov 23, 2021	Li Huaijie	PASS	No deviation



27.53(h) 27.53(m)(4)					
2.1051 22.917(a) 24.238(a) 27.53(g) 27.53(h) 27.53(m)(4)	Radiated Spurious Emissions	Dec 03, 2021	Gao Jianrou	PASS	No deviation

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

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

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

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

## 1.5. Environmental Conditions

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

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





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

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

#### **2.1.1. Requirement**

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

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

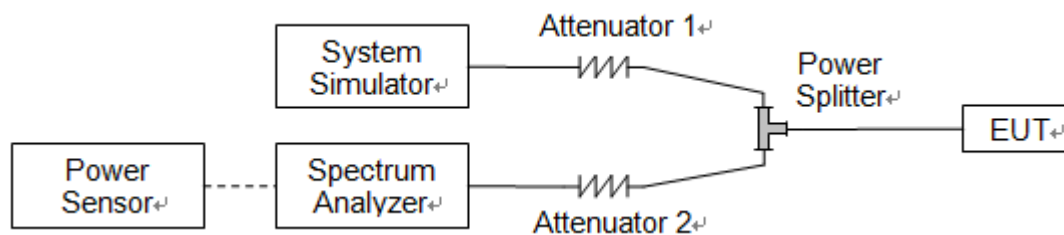
According to FCC section 27.50 (d)(4) for LTE Band 4/66, Fixed, mobile and portable (hand-held) stations in the 1710-1755MHz band are limited to 1wat E.I.R.P.

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

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

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

### 2.1.2. Test Description



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

### 2.1.3. Test Procedure

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

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

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



2.1.4. Result

Conducted Output Power:

LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18700	18900	19100
Frequency (MHz)				1860	1880	1900
20	QPSK	1	0	21.66	21.83	21.69
20	QPSK	1	49	21.40	21.36	21.79
20	QPSK	1	99	21.60	21.39	21.46
20	QPSK	50	0	20.63	20.68	20.66
20	QPSK	50	24	20.25	20.54	20.41
20	QPSK	50	50	20.56	20.51	20.57
20	QPSK	100	0	20.58	20.57	20.64
20	16QAM	1	0	21.48	21.50	21.27
20	16QAM	1	49	21.26	21.30	21.21
20	16QAM	1	99	21.18	21.41	21.23
20	16QAM	50	0	19.75	19.72	19.76
20	16QAM	50	24	19.63	19.76	19.93
20	16QAM	50	50	19.67	19.63	19.85
20	16QAM	100	0	19.41	19.57	19.89
20	64QAM	1	0	20.87	20.52	20.67
20	64QAM	1	49	20.65	20.61	20.83
20	64QAM	1	99	20.39	20.55	20.65
20	64QAM	50	0	19.54	19.60	19.74
20	64QAM	50	24	19.47	19.48	19.70
20	64QAM	50	50	19.26	19.42	19.52
20	64QAM	100	0	19.63	19.40	19.48



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18675	18900	19125
Frequency (MHz)				1857.5	1880	1902.5
15	QPSK	1	0	21.60	21.77	21.63
15	QPSK	1	37	21.34	21.30	21.73
15	QPSK	1	74	21.54	21.33	21.40
15	QPSK	36	0	20.57	20.62	20.60
15	QPSK	36	20	20.19	20.48	20.35
15	QPSK	36	39	20.50	20.45	20.51
15	QPSK	75	0	20.52	20.51	20.58
15	16QAM	1	0	21.42	21.44	21.21
15	16QAM	1	37	21.20	21.24	21.15
15	16QAM	1	74	21.12	21.35	21.17
15	16QAM	36	0	19.69	19.66	19.70
15	16QAM	36	20	19.57	19.70	19.87
15	16QAM	36	39	19.61	19.57	19.79
15	16QAM	75	0	19.35	19.51	19.83
15	64QAM	1	0	20.81	20.46	20.61
15	64QAM	1	37	20.59	20.55	20.77
15	64QAM	1	74	20.33	20.49	20.59
15	64QAM	36	0	19.48	19.54	19.68
15	64QAM	36	20	19.41	19.42	19.64
15	64QAM	36	39	19.20	19.36	19.46
15	64QAM	75	0	19.57	19.34	19.42



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18650	18900	19150
Frequency (MHz)				1855	1880	1905
10	QPSK	1	0	21.56	21.73	21.59
10	QPSK	1	25	21.30	21.26	21.69
10	QPSK	1	49	21.50	21.29	21.36
10	QPSK	25	0	20.53	20.58	20.56
10	QPSK	25	12	20.15	20.44	20.31
10	QPSK	25	25	20.46	20.41	20.47
10	QPSK	50	0	20.48	20.47	20.54
10	16QAM	1	0	21.38	21.40	21.17
10	16QAM	1	25	21.16	21.20	21.11
10	16QAM	1	49	21.08	21.31	21.13
10	16QAM	25	0	19.65	19.62	19.66
10	16QAM	25	12	19.53	19.66	19.83
10	16QAM	25	25	19.57	19.53	19.75
10	16QAM	50	0	19.31	19.47	19.79
10	64QAM	1	0	20.77	20.42	20.57
10	64QAM	1	25	20.55	20.51	20.73
10	64QAM	1	49	20.29	20.45	20.55
10	64QAM	25	0	19.44	19.50	19.64
10	64QAM	25	12	19.42	19.38	19.60
10	64QAM	25	25	19.16	19.32	19.42
10	64QAM	50	0	19.53	19.30	19.38



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	21.52	21.69	21.55
5	QPSK	1	12	21.26	21.22	21.65
5	QPSK	1	24	21.46	21.25	21.32
5	QPSK	12	0	20.49	20.54	20.52
5	QPSK	12	7	20.11	20.40	20.27
5	QPSK	12	13	20.42	20.37	20.43
5	QPSK	25	0	20.44	20.43	20.50
5	16QAM	1	0	21.34	21.36	21.13
5	16QAM	1	12	21.12	21.16	21.07
5	16QAM	1	24	21.04	21.27	21.09
5	16QAM	12	0	19.61	19.58	19.62
5	16QAM	12	7	19.49	19.62	19.79
5	16QAM	12	13	19.53	19.49	19.71
5	16QAM	25	0	19.27	19.43	19.75
5	64QAM	1	0	20.73	20.38	20.53
5	64QAM	1	12	20.51	20.47	20.69
5	64QAM	1	24	20.25	20.41	20.51
5	64QAM	12	0	19.40	19.46	19.60
5	64QAM	12	7	19.38	19.34	19.56
5	64QAM	12	13	19.12	19.28	19.38
5	64QAM	25	0	19.49	19.26	19.34



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18615	18900	19185
Frequency (MHz)				1851.5	1880	1908.5
3	QPSK	1	0	21.48	21.65	21.51
3	QPSK	1	8	21.22	21.18	21.61
3	QPSK	1	14	21.42	21.21	21.28
3	QPSK	8	0	20.45	20.50	20.48
3	QPSK	8	4	20.07	20.36	20.23
3	QPSK	8	7	20.38	20.33	20.39
3	QPSK	15	0	20.40	20.39	20.46
3	16QAM	1	0	21.30	21.32	21.09
3	16QAM	1	8	21.08	21.12	21.03
3	16QAM	1	14	21.00	21.23	21.05
3	16QAM	8	0	19.57	19.54	19.58
3	16QAM	8	4	19.45	19.58	19.75
3	16QAM	8	7	19.49	19.45	19.67
3	16QAM	15	0	19.23	19.39	19.71
3	64QAM	1	0	20.69	20.34	20.49
3	64QAM	1	8	20.47	20.43	20.65
3	64QAM	1	14	20.21	20.37	20.47
3	64QAM	8	0	19.36	19.42	19.56
3	64QAM	8	4	19.34	19.30	19.52
3	64QAM	8	7	19.08	19.24	19.34
3	64QAM	15	0	19.45	19.22	19.30



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18607	18900	19193
Frequency (MHz)				1850.7	1880	1909.3
1.4	QPSK	1	0	21.43	21.60	21.46
1.4	QPSK	1	3	21.17	21.13	21.56
1.4	QPSK	1	5	21.37	21.16	21.23
1.4	QPSK	3	0	20.40	20.45	20.43
1.4	QPSK	3	1	20.02	20.31	20.18
1.4	QPSK	3	3	20.33	20.28	20.34
1.4	QPSK	6	0	20.35	20.34	20.41
1.4	16QAM	1	0	21.25	21.27	21.04
1.4	16QAM	1	3	21.03	21.07	20.98
1.4	16QAM	1	5	20.95	21.18	21.00
1.4	16QAM	3	0	19.52	19.49	19.53
1.4	16QAM	3	1	19.40	19.53	19.70
1.4	16QAM	3	3	19.44	19.40	19.62
1.4	16QAM	6	0	19.18	19.34	19.66
1.4	64QAM	1	0	20.64	20.29	20.44
1.4	64QAM	1	3	20.42	20.38	20.60
1.4	64QAM	1	5	20.16	20.32	20.42
1.4	64QAM	3	0	19.31	19.37	19.51
1.4	64QAM	3	1	19.29	19.25	19.47
1.4	64QAM	3	3	19.03	19.19	19.29
1.4	64QAM	6	0	19.40	19.17	19.25





LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20050	20175	20300
Frequency (MHz)				1720	1732.5	1745
20	QPSK	1	0	22.95	22.98	22.88
20	QPSK	1	49	22.72	22.58	22.54
20	QPSK	1	99	22.53	22.55	22.48
20	QPSK	50	0	21.12	21.15	20.94
20	QPSK	50	24	21.04	20.89	20.69
20	QPSK	50	50	21.01	20.90	20.68
20	QPSK	100	0	21.07	20.95	20.92
20	16QAM	1	0	22.18	22.22	22.15
20	16QAM	1	49	22.19	22.06	22.03
20	16QAM	1	99	21.93	22.05	22.01
20	16QAM	50	0	20.16	20.17	19.80
20	16QAM	50	24	20.14	19.80	19.74
20	16QAM	50	50	20.08	20.18	19.72
20	16QAM	100	0	20.28	20.16	19.84
20	64QAM	1	0	21.70	21.76	22.10
20	64QAM	1	49	22.03	22.10	21.84
20	64QAM	1	99	22.20	22.08	21.86
20	64QAM	50	0	19.94	20.13	19.96
20	64QAM	50	24	20.02	20.09	19.73
20	64QAM	50	50	20.19	20.07	19.75
20	64QAM	100	0	20.19	19.82	19.77



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	22.89	22.92	22.82
15	QPSK	1	37	22.66	22.52	22.48
15	QPSK	1	74	22.47	22.49	22.42
15	QPSK	36	0	21.06	21.09	20.88
15	QPSK	36	20	20.98	20.83	20.63
15	QPSK	36	39	20.95	20.84	20.62
15	QPSK	75	0	21.01	20.89	20.86
15	16QAM	1	0	22.12	22.16	22.09
15	16QAM	1	37	22.13	22.00	21.97
15	16QAM	1	74	21.87	21.99	21.95
15	16QAM	36	0	20.10	20.11	19.74
15	16QAM	36	20	20.08	19.74	19.68
15	16QAM	36	39	20.02	20.12	19.66
15	16QAM	75	0	20.22	20.10	19.78
15	64QAM	1	0	21.64	21.70	22.04
15	64QAM	1	37	21.97	22.04	21.78
15	64QAM	1	74	22.14	22.02	21.80
15	64QAM	36	0	19.88	20.07	19.90
15	64QAM	36	20	19.96	20.03	19.67
15	64QAM	36	39	20.13	20.01	19.69
15	64QAM	75	0	20.13	19.76	19.71



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	22.87	22.90	22.80
10	QPSK	1	25	22.64	22.50	22.46
10	QPSK	1	49	22.45	22.47	22.40
10	QPSK	25	0	21.04	21.07	20.86
10	QPSK	25	12	20.96	20.81	20.61
10	QPSK	25	25	20.93	20.82	20.60
10	QPSK	50	0	20.99	20.87	20.84
10	16QAM	1	0	22.10	22.14	22.07
10	16QAM	1	25	22.11	21.98	21.95
10	16QAM	1	49	21.85	21.97	21.93
10	16QAM	25	0	20.08	20.09	19.72
10	16QAM	25	12	20.06	19.72	19.66
10	16QAM	25	25	20.00	20.10	19.64
10	16QAM	50	0	20.20	20.08	19.76
10	64QAM	1	0	21.62	21.68	22.02
10	64QAM	1	25	21.95	22.02	21.76
10	64QAM	1	49	22.12	22.00	21.78
10	64QAM	25	0	19.86	20.05	19.88
10	64QAM	25	12	19.94	20.01	19.65
10	64QAM	25	25	20.11	19.99	19.67
10	64QAM	50	0	20.11	19.74	19.69



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	22.83	22.86	22.76
5	QPSK	1	12	22.60	22.46	22.42
5	QPSK	1	24	22.41	22.43	22.36
5	QPSK	12	0	21.00	21.03	20.82
5	QPSK	12	7	20.92	20.77	20.57
5	QPSK	12	13	20.89	20.78	20.56
5	QPSK	25	0	20.95	20.83	20.80
5	16QAM	1	0	22.06	22.10	22.03
5	16QAM	1	12	22.07	21.94	21.91
5	16QAM	1	24	21.81	21.93	21.89
5	16QAM	12	0	20.04	20.05	19.68
5	16QAM	12	7	20.02	19.68	19.62
5	16QAM	12	13	19.96	20.06	19.60
5	16QAM	25	0	20.16	20.04	19.72
5	64QAM	1	0	21.58	21.64	21.98
5	64QAM	1	12	21.91	21.98	21.72
5	64QAM	1	24	22.08	21.96	21.74
5	64QAM	12	0	19.82	20.01	19.84
5	64QAM	12	7	19.90	19.97	19.61
5	64QAM	12	13	20.07	19.95	19.63
5	64QAM	25	0	20.07	19.70	19.65



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	22.78	22.81	22.71
3	QPSK	1	8	22.55	22.41	22.37
3	QPSK	1	14	22.36	22.38	22.31
3	QPSK	8	0	20.95	20.98	20.77
3	QPSK	8	4	20.87	20.72	20.52
3	QPSK	8	7	20.84	20.73	20.51
3	QPSK	15	0	20.90	20.78	20.75
3	16QAM	1	0	22.01	22.05	21.98
3	16QAM	1	8	22.02	21.89	21.86
3	16QAM	1	14	21.76	21.88	21.84
3	16QAM	8	0	19.99	20.00	19.63
3	16QAM	8	4	19.97	19.63	19.57
3	16QAM	8	7	19.91	20.01	19.55
3	16QAM	15	0	20.11	19.99	19.67
3	64QAM	1	0	21.53	21.59	21.93
3	64QAM	1	8	21.86	21.93	21.67
3	64QAM	1	14	22.03	21.91	21.69
3	64QAM	8	0	19.77	19.96	19.79
3	64QAM	8	4	19.85	19.92	19.56
3	64QAM	8	7	20.02	19.90	19.58
3	64QAM	15	0	20.02	19.65	19.60



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	22.76	22.79	22.69
1.4	QPSK	1	3	22.53	22.39	22.35
1.4	QPSK	1	5	22.34	22.36	22.29
1.4	QPSK	3	0	20.93	20.96	20.75
1.4	QPSK	3	1	20.85	20.70	20.50
1.4	QPSK	3	3	20.82	20.71	20.49
1.4	QPSK	6	0	20.88	20.76	20.73
1.4	16QAM	1	0	21.99	22.03	21.96
1.4	16QAM	1	3	22.00	21.87	21.84
1.4	16QAM	1	5	21.74	21.86	21.82
1.4	16QAM	3	0	19.97	19.98	19.61
1.4	16QAM	3	1	19.95	19.61	19.55
1.4	16QAM	3	3	19.89	19.99	19.53
1.4	16QAM	6	0	20.09	19.97	19.65
1.4	64QAM	1	0	21.51	21.57	21.91
1.4	64QAM	1	3	21.84	21.91	21.65
1.4	64QAM	1	5	22.01	21.89	21.67
1.4	64QAM	3	0	19.75	19.94	19.77
1.4	64QAM	3	1	19.83	19.90	19.54
1.4	64QAM	3	3	20.00	19.88	19.56
1.4	64QAM	6	0	20.00	19.63	19.58



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	22.40	22.69	22.53
10	QPSK	1	25	22.28	22.29	22.52
10	QPSK	1	49	22.33	22.28	22.22
10	QPSK	25	0	21.53	21.71	21.47
10	QPSK	25	12	21.31	21.65	21.59
10	QPSK	25	25	21.37	21.56	21.40
10	QPSK	50	0	21.26	21.64	21.51
10	16QAM	1	0	22.09	22.06	22.03
10	16QAM	1	25	21.91	21.88	22.08
10	16QAM	1	49	21.94	21.90	21.94
10	16QAM	25	0	20.47	20.26	20.30
10	16QAM	25	12	20.32	20.42	20.37
10	16QAM	25	25	20.34	20.68	20.56
10	16QAM	50	0	20.45	20.32	20.42
10	64QAM	1	0	21.28	21.21	21.40
10	64QAM	1	25	21.06	21.33	21.28
10	64QAM	1	49	21.17	21.04	21.14
10	64QAM	25	0	20.13	20.19	20.06
10	64QAM	25	12	20.06	20.33	20.28
10	64QAM	25	25	20.17	20.04	20.14
10	64QAM	50	0	20.40	20.23	20.26



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20425	20525	20625
Frequency (MHz)				826.5	836.5	846.5
5	QPSK	1	0	22.38	22.67	22.51
5	QPSK	1	12	22.26	22.27	22.50
5	QPSK	1	24	22.31	22.26	22.20
5	QPSK	12	0	21.51	21.69	21.45
5	QPSK	12	7	21.29	21.63	21.57
5	QPSK	12	13	21.35	21.54	21.38
5	QPSK	25	0	21.24	21.62	21.49
5	16QAM	1	0	22.07	22.04	22.01
5	16QAM	1	12	21.89	21.86	22.06
5	16QAM	1	24	21.92	21.88	21.92
5	16QAM	12	0	20.45	20.24	20.28
5	16QAM	12	7	20.30	20.40	20.35
5	16QAM	12	13	20.32	20.66	20.54
5	16QAM	25	0	20.43	20.30	20.40
5	64QAM	1	0	21.26	21.19	21.38
5	64QAM	1	12	21.04	21.31	21.26
5	64QAM	1	24	21.15	21.02	21.12
5	64QAM	12	0	20.11	20.17	20.04
5	64QAM	12	7	20.04	20.31	20.26
5	64QAM	12	13	20.15	20.02	20.12
5	64QAM	25	0	20.38	20.21	20.24





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	22.35	22.64	22.48
3	QPSK	1	8	22.23	22.24	22.47
3	QPSK	1	14	22.28	22.23	22.17
3	QPSK	8	0	21.48	21.66	21.42
3	QPSK	8	4	21.26	21.60	21.54
3	QPSK	8	7	21.32	21.51	21.35
3	QPSK	15	0	21.21	21.59	21.46
3	16QAM	1	0	22.04	22.01	21.98
3	16QAM	1	8	21.86	21.83	22.03
3	16QAM	1	14	21.89	21.85	21.89
3	16QAM	8	0	20.42	20.21	20.25
3	16QAM	8	4	20.27	20.37	20.32
3	16QAM	8	7	20.29	20.63	20.51
3	16QAM	15	0	20.40	20.27	20.37
3	64QAM	1	0	21.23	21.16	21.35
3	64QAM	1	8	21.01	21.28	21.23
3	64QAM	1	14	21.12	20.99	21.09
3	64QAM	8	0	20.08	20.14	20.01
3	64QAM	8	4	20.01	20.28	20.23
3	64QAM	8	7	20.12	19.99	20.09
3	64QAM	15	0	20.35	20.18	20.21



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20407	20525	20643
Frequency (MHz)				824.7	836.5	848.3
1.4	QPSK	1	0	22.32	22.61	22.45
1.4	QPSK	1	3	22.20	22.21	22.44
1.4	QPSK	1	5	22.25	22.20	22.14
1.4	QPSK	3	0	21.45	21.63	21.39
1.4	QPSK	3	1	21.23	21.57	21.51
1.4	QPSK	3	3	21.29	21.48	21.32
1.4	QPSK	6	0	21.18	21.56	21.43
1.4	16QAM	1	0	22.01	21.98	21.95
1.4	16QAM	1	3	21.83	21.80	22.00
1.4	16QAM	1	5	21.86	21.82	21.86
1.4	16QAM	3	0	20.39	20.18	20.22
1.4	16QAM	3	1	20.24	20.34	20.29
1.4	16QAM	3	3	20.26	20.60	20.48
1.4	16QAM	6	0	20.37	20.24	20.34
1.4	64QAM	1	0	21.20	21.13	21.32
1.4	64QAM	1	3	20.98	21.25	21.20
1.4	64QAM	1	5	21.09	20.96	21.06
1.4	64QAM	3	0	20.05	20.11	19.98
1.4	64QAM	3	1	19.98	20.25	20.20
1.4	64QAM	3	3	20.09	19.96	20.06
1.4	64QAM	6	0	20.32	20.15	20.18



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	20.86	21.03	20.82
20	QPSK	1	49	20.59	20.56	20.53
20	QPSK	1	99	20.99	20.61	20.57
20	QPSK	50	0	19.61	19.82	19.75
20	QPSK	50	24	19.43	19.73	19.79
20	QPSK	50	50	19.79	19.58	19.64
20	QPSK	100	0	19.37	19.48	19.46
20	16QAM	1	0	20.68	20.25	20.20
20	16QAM	1	49	20.39	20.59	20.65
20	16QAM	1	99	20.67	20.44	20.50
20	16QAM	50	0	19.63	19.58	19.53
20	16QAM	50	24	19.62	19.67	19.98
20	16QAM	50	50	20.01	19.77	19.83
20	16QAM	100	0	19.01	18.69	18.54
20	64QAM	1	0	19.98	19.75	19.63
20	64QAM	1	49	19.97	19.83	19.89
20	64QAM	1	99	19.87	19.75	19.60
20	64QAM	50	0	18.71	18.75	18.41
20	64QAM	50	24	18.79	18.55	18.61
20	64QAM	50	50	18.89	18.57	18.57
20	64QAM	100	0	18.58	18.73	18.74



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	20.83	21.00	20.79
15	QPSK	1	37	20.56	20.53	20.50
15	QPSK	1	74	20.96	20.58	20.54
15	QPSK	36	0	19.58	19.79	19.72
15	QPSK	36	20	19.40	19.70	19.76
15	QPSK	36	39	19.76	19.55	19.61
15	QPSK	75	0	19.34	19.45	19.43
15	16QAM	1	0	20.65	20.22	20.17
15	16QAM	1	37	20.36	20.56	20.62
15	16QAM	1	74	20.64	20.41	20.47
15	16QAM	36	0	19.60	19.55	19.50
15	16QAM	36	20	19.59	19.64	19.95
15	16QAM	36	39	19.98	19.74	19.80
15	16QAM	75	0	18.98	18.66	18.51
15	64QAM	1	0	19.95	19.72	19.60
15	64QAM	1	37	19.94	19.80	19.86
15	64QAM	1	74	19.84	19.72	19.57
15	64QAM	36	0	18.68	18.72	18.38
15	64QAM	36	20	18.76	18.52	18.58
15	64QAM	36	39	18.86	18.54	18.54
15	64QAM	75	0	18.55	18.70	18.71



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	20.80	20.97	20.76
10	QPSK	1	25	20.53	20.50	20.47
10	QPSK	1	49	20.93	20.55	20.51
10	QPSK	25	0	19.55	19.76	19.69
10	QPSK	25	12	19.37	19.67	19.73
10	QPSK	25	25	19.73	19.52	19.58
10	QPSK	50	0	19.31	19.42	19.40
10	16QAM	1	0	20.62	20.19	20.14
10	16QAM	1	25	20.33	20.53	20.59
10	16QAM	1	49	20.61	20.38	20.44
10	16QAM	25	0	19.57	19.52	19.47
10	16QAM	25	12	19.56	19.61	19.92
10	16QAM	25	25	19.95	19.71	19.77
10	16QAM	50	0	18.95	18.63	18.48
10	64QAM	1	0	19.92	19.69	19.57
10	64QAM	1	25	19.91	19.77	19.83
10	64QAM	1	49	19.81	19.69	19.54
10	64QAM	25	0	18.65	18.69	18.35
10	64QAM	25	12	18.73	18.49	18.55
10	64QAM	25	25	18.83	18.51	18.51
10	64QAM	50	0	18.52	18.67	18.68



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	20.77	20.94	20.73
5	QPSK	1	12	20.50	20.47	20.44
5	QPSK	1	24	20.90	20.52	20.48
5	QPSK	12	0	19.52	19.73	19.66
5	QPSK	12	7	19.34	19.64	19.70
5	QPSK	12	13	19.70	19.49	19.55
5	QPSK	25	0	19.28	19.39	19.37
5	16QAM	1	0	20.59	20.16	20.11
5	16QAM	1	12	20.30	20.50	20.56
5	16QAM	1	24	20.58	20.35	20.41
5	16QAM	12	0	19.54	19.49	19.44
5	16QAM	12	7	19.53	19.58	19.89
5	16QAM	12	13	19.92	19.68	19.74
5	16QAM	25	0	18.92	18.60	18.45
5	64QAM	1	0	19.89	19.66	19.54
5	64QAM	1	12	19.88	19.74	19.80
5	64QAM	1	24	19.78	19.66	19.51
5	64QAM	12	0	18.62	18.66	18.32
5	64QAM	12	7	18.70	18.46	18.52
5	64QAM	12	13	18.80	18.48	18.48
5	64QAM	25	0	18.49	18.64	18.65



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23060	23095	23130
Frequency (MHz)				704	707.5	711
10	QPSK	1	0	22.83	22.89	22.84
10	QPSK	1	25	22.78	22.51	22.54
10	QPSK	1	49	22.53	22.43	22.45
10	QPSK	25	0	21.84	21.98	21.88
10	QPSK	25	12	21.79	21.59	21.56
10	QPSK	25	25	21.59	21.60	21.63
10	QPSK	50	0	21.90	21.52	21.85
10	16QAM	1	0	22.08	21.92	21.88
10	16QAM	1	25	21.69	21.70	21.73
10	16QAM	1	49	22.00	21.62	21.95
10	16QAM	25	0	21.17	20.88	20.70
10	16QAM	25	12	20.78	20.79	20.82
10	16QAM	25	25	21.09	20.71	21.04
10	16QAM	50	0	20.98	20.49	20.74
10	64QAM	1	0	20.88	20.89	21.05
10	64QAM	1	25	20.97	20.90	20.92
10	64QAM	1	49	20.86	20.84	20.62
10	64QAM	25	0	20.43	20.27	20.10
10	64QAM	25	12	20.42	20.34	20.47
10	64QAM	25	25	20.41	20.12	20.17
10	64QAM	50	0	20.50	20.03	20.09



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	22.77	22.83	22.78
5	QPSK	1	12	22.72	22.45	22.48
5	QPSK	1	24	22.47	22.37	22.39
5	QPSK	12	0	21.78	21.92	21.82
5	QPSK	12	7	21.73	21.53	21.50
5	QPSK	12	13	21.53	21.54	21.57
5	QPSK	25	0	21.84	21.46	21.79
5	16QAM	1	0	22.02	21.86	21.82
5	16QAM	1	12	21.63	21.64	21.67
5	16QAM	1	24	21.94	21.56	21.89
5	16QAM	12	0	21.11	20.82	20.64
5	16QAM	12	7	20.72	20.73	20.76
5	16QAM	12	13	21.03	20.65	20.98
5	16QAM	25	0	20.92	20.43	20.68
5	64QAM	1	0	20.85	20.86	21.02
5	64QAM	1	12	20.94	20.87	20.89
5	64QAM	1	24	20.83	20.81	20.59
5	64QAM	12	0	20.40	20.24	20.07
5	64QAM	12	7	20.39	20.31	20.44
5	64QAM	12	13	20.38	20.09	20.14
5	64QAM	25	0	20.47	20.00	20.06





LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23025	23095	23165
Frequency (MHz)				700.5	707.5	714.5
3	QPSK	1	0	22.74	22.80	22.75
3	QPSK	1	8	22.69	22.42	22.45
3	QPSK	1	14	22.44	22.34	22.36
3	QPSK	8	0	21.75	21.89	21.79
3	QPSK	8	4	21.70	21.50	21.47
3	QPSK	8	7	21.50	21.51	21.54
3	QPSK	15	0	21.81	21.43	21.76
3	16QAM	1	0	21.99	21.83	21.79
3	16QAM	1	8	21.60	21.61	21.64
3	16QAM	1	14	21.91	21.53	21.86
3	16QAM	8	0	21.08	20.79	20.61
3	16QAM	8	4	20.69	20.70	20.73
3	16QAM	8	7	21.00	20.62	20.95
3	16QAM	15	0	20.89	20.40	20.65
3	64QAM	1	0	20.82	20.83	20.99
3	64QAM	1	8	20.91	20.84	20.86
3	64QAM	1	14	20.80	20.78	20.56
3	64QAM	8	0	20.37	20.21	20.04
3	64QAM	8	4	20.36	20.28	20.41
3	64QAM	8	7	20.35	20.06	20.11
3	64QAM	15	0	20.44	19.97	20.03



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23017	23095	23173
Frequency (MHz)				699.7	707.5	715.3
1.4	QPSK	1	0	22.68	22.74	22.69
1.4	QPSK	1	3	22.63	22.36	22.39
1.4	QPSK	1	5	22.38	22.28	22.30
1.4	QPSK	3	0	21.69	21.83	21.73
1.4	QPSK	3	1	21.64	21.44	21.41
1.4	QPSK	3	3	21.44	21.45	21.48
1.4	QPSK	6	0	21.75	21.37	21.70
1.4	16QAM	1	0	21.93	21.77	21.73
1.4	16QAM	1	3	21.54	21.55	21.58
1.4	16QAM	1	5	21.85	21.47	21.80
1.4	16QAM	3	0	21.02	20.73	20.55
1.4	16QAM	3	1	20.63	20.64	20.67
1.4	16QAM	3	3	20.94	20.56	20.89
1.4	16QAM	6	0	20.83	20.34	20.59
1.4	64QAM	1	0	20.76	20.77	20.93
1.4	64QAM	1	3	20.85	20.78	20.80
1.4	64QAM	1	5	20.74	20.72	20.50
1.4	64QAM	3	0	20.31	20.15	19.98
1.4	64QAM	3	1	20.30	20.22	20.35
1.4	64QAM	3	3	20.29	20.00	20.05
1.4	64QAM	6	0	20.38	19.91	19.97



LTE Band 17						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23780	23790	23800
Frequency (MHz)				709	710	711
10	QPSK	1	0	22.62	22.75	22.60
10	QPSK	1	25	22.27	22.29	22.48
10	QPSK	1	49	22.55	22.51	22.54
10	QPSK	25	0	21.63	21.74	21.68
10	QPSK	25	12	21.53	21.69	21.67
10	QPSK	25	25	21.42	21.43	21.56
10	QPSK	50	0	21.27	21.68	21.67
10	16QAM	1	0	22.24	21.86	21.97
10	16QAM	1	25	22.03	22.19	22.17
10	16QAM	1	49	21.92	21.93	22.06
10	16QAM	25	0	20.68	20.69	20.34
10	16QAM	25	12	20.50	20.66	20.64
10	16QAM	25	25	20.39	20.40	20.53
10	16QAM	50	0	20.59	20.71	20.70
10	64QAM	1	0	21.27	20.85	21.04
10	64QAM	1	25	20.95	20.96	21.09
10	64QAM	1	49	21.15	21.27	21.26
10	64QAM	25	0	20.03	19.92	19.80
10	64QAM	25	12	19.79	19.80	19.93
10	64QAM	25	25	19.99	20.11	20.10
10	64QAM	50	0	19.95	20.10	20.11



LTE Band 17						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23755	23790	23825
Frequency (MHz)				706.5	710	713.5
5	QPSK	1	0	22.56	22.69	22.54
5	QPSK	1	12	22.21	22.23	22.42
5	QPSK	1	24	22.49	22.45	22.48
5	QPSK	12	0	21.57	21.68	21.62
5	QPSK	12	7	21.47	21.63	21.61
5	QPSK	12	13	21.36	21.37	21.50
5	QPSK	25	0	21.21	21.62	21.61
5	16QAM	1	0	22.18	21.80	21.91
5	16QAM	1	12	21.97	22.13	22.11
5	16QAM	1	24	21.86	21.87	22.00
5	16QAM	12	0	20.62	20.63	20.28
5	16QAM	12	7	20.44	20.60	20.58
5	16QAM	12	13	20.33	20.34	20.47
5	16QAM	25	0	20.53	20.65	20.64
5	64QAM	1	0	21.21	20.79	20.98
5	64QAM	1	12	20.89	20.90	21.03
5	64QAM	1	24	21.09	21.21	21.20
5	64QAM	12	0	19.97	19.86	19.74
5	64QAM	12	7	19.73	19.74	19.87
5	64QAM	12	13	19.93	20.05	20.04
5	64QAM	25	0	19.89	20.04	20.05



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132072	132322	132572
Frequency (MHz)				1720	1745	1770
20	QPSK	1	0	21.88	21.98	21.93
20	QPSK	1	49	21.82	21.91	21.74
20	QPSK	1	99	21.64	21.54	21.55
20	QPSK	50	0	21.13	21.14	21.06
20	QPSK	50	24	21.05	20.81	20.89
20	QPSK	50	50	20.78	20.64	20.84
20	QPSK	100	0	21.09	20.87	21.11
20	16QAM	1	0	21.13	20.97	21.00
20	16QAM	1	49	21.14	20.90	20.98
20	16QAM	1	99	20.87	20.73	20.93
20	16QAM	50	0	19.87	19.81	19.80
20	16QAM	50	24	19.96	19.72	19.80
20	16QAM	50	50	19.69	19.55	19.75
20	16QAM	100	0	19.86	19.83	20.05
20	64QAM	1	0	19.91	20.32	19.97
20	64QAM	1	49	19.96	19.82	20.02
20	64QAM	1	99	20.13	20.10	20.32
20	64QAM	50	0	19.08	18.75	19.07
20	64QAM	50	24	18.72	18.58	18.78
20	64QAM	50	50	18.89	18.86	19.08
20	64QAM	100	0	18.81	18.68	18.67



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	21.82	21.92	21.87
15	QPSK	1	37	21.76	21.85	21.68
15	QPSK	1	74	21.58	21.48	21.49
15	QPSK	36	0	21.07	21.08	21.00
15	QPSK	36	20	20.99	20.75	20.83
15	QPSK	36	39	20.72	20.58	20.78
15	QPSK	75	0	21.03	20.81	21.05
15	16QAM	1	0	21.07	20.91	20.94
15	16QAM	1	37	21.08	20.84	20.92
15	16QAM	1	74	20.81	20.67	20.87
15	16QAM	36	0	19.81	19.75	19.74
15	16QAM	36	20	19.90	19.66	19.74
15	16QAM	36	39	19.63	19.49	19.69
15	16QAM	75	0	19.80	19.77	19.99
15	64QAM	1	0	19.85	20.26	19.91
15	64QAM	1	37	19.90	19.76	19.96
15	64QAM	1	74	20.07	20.04	20.26
15	64QAM	36	0	19.02	18.69	19.01
15	64QAM	36	20	18.66	18.52	18.72
15	64QAM	36	39	18.83	18.80	19.02
15	64QAM	75	0	18.75	18.62	18.61



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132022	132322	132622
Frequency (MHz)				1715	1745	1775
10	QPSK	1	0	21.76	21.86	21.81
10	QPSK	1	25	21.70	21.79	21.62
10	QPSK	1	49	21.52	21.42	21.43
10	QPSK	25	0	21.01	21.02	20.94
10	QPSK	25	12	20.93	20.69	20.77
10	QPSK	25	25	20.66	20.52	20.72
10	QPSK	50	0	20.97	20.75	20.99
10	16QAM	1	0	21.01	20.85	20.88
10	16QAM	1	25	21.02	20.78	20.86
10	16QAM	1	49	20.75	20.61	20.81
10	16QAM	25	0	19.75	19.69	19.68
10	16QAM	25	12	19.84	19.60	19.68
10	16QAM	25	25	19.57	19.43	19.63
10	16QAM	50	0	19.74	19.71	19.93
10	64QAM	1	0	19.79	20.20	19.85
10	64QAM	1	25	19.84	19.70	19.90
10	64QAM	1	49	20.01	19.98	20.20
10	64QAM	25	0	18.96	18.63	18.95
10	64QAM	25	12	18.60	18.46	18.66
10	64QAM	25	25	18.77	18.74	18.96
10	64QAM	50	0	18.69	18.56	18.55



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	21.72	21.82	21.77
5	QPSK	1	12	21.66	21.75	21.58
5	QPSK	1	24	21.48	21.38	21.39
5	QPSK	12	0	20.97	20.98	20.90
5	QPSK	12	7	20.89	20.65	20.73
5	QPSK	12	13	20.62	20.48	20.68
5	QPSK	25	0	20.93	20.71	20.95
5	16QAM	1	0	20.97	20.81	20.84
5	16QAM	1	12	20.98	20.74	20.82
5	16QAM	1	24	20.71	20.57	20.77
5	16QAM	12	0	19.71	19.65	19.64
5	16QAM	12	7	19.80	19.56	19.64
5	16QAM	12	13	19.53	19.39	19.59
5	16QAM	25	0	19.70	19.67	19.89
5	64QAM	1	0	19.75	20.16	19.81
5	64QAM	1	12	19.80	19.66	19.86
5	64QAM	1	24	19.97	19.94	20.16
5	64QAM	12	0	18.92	18.59	18.91
5	64QAM	12	7	18.56	18.42	18.62
5	64QAM	12	13	18.73	18.70	18.92
5	64QAM	25	0	18.65	18.52	18.51





LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				131987	132322	132657
Frequency (MHz)				1711.5	1745	1778.5
3	QPSK	1	0	21.68	21.78	21.73
3	QPSK	1	8	21.62	21.71	21.54
3	QPSK	1	14	21.44	21.34	21.35
3	QPSK	8	0	20.93	20.94	20.86
3	QPSK	8	4	20.85	20.61	20.69
3	QPSK	8	7	20.58	20.44	20.64
3	QPSK	15	0	20.89	20.67	20.91
3	16QAM	1	0	20.93	20.77	20.80
3	16QAM	1	8	20.94	20.70	20.78
3	16QAM	1	14	20.67	20.53	20.73
3	16QAM	8	0	19.67	19.61	19.60
3	16QAM	8	4	19.76	19.52	19.60
3	16QAM	8	7	19.49	19.35	19.55
3	16QAM	15	0	19.66	19.63	19.85
3	64QAM	1	0	19.71	20.12	19.77
3	64QAM	1	8	19.76	19.62	19.82
3	64QAM	1	14	19.93	19.90	20.12
3	64QAM	8	0	18.88	18.55	18.87
3	64QAM	8	4	18.52	18.38	18.58
3	64QAM	8	7	18.69	18.66	18.88
3	64QAM	15	0	18.61	18.48	18.47



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				131979	132322	132665
Frequency (MHz)				1710.7	1745	1779.3
1.4	QPSK	1	0	21.64	21.74	21.69
1.4	QPSK	1	3	21.58	21.67	21.50
1.4	QPSK	1	5	21.40	21.30	21.31
1.4	QPSK	3	0	20.89	20.90	20.82
1.4	QPSK	3	1	20.81	20.57	20.65
1.4	QPSK	3	3	20.54	20.40	20.60
1.4	QPSK	6	0	20.85	20.63	20.87
1.4	16QAM	1	0	20.89	20.73	20.76
1.4	16QAM	1	3	20.90	20.66	20.74
1.4	16QAM	1	5	20.63	20.49	20.69
1.4	16QAM	3	0	19.63	19.57	19.56
1.4	16QAM	3	1	19.72	19.48	19.56
1.4	16QAM	3	3	19.45	19.31	19.51
1.4	16QAM	6	0	19.62	19.59	19.81
1.4	64QAM	1	0	19.67	20.08	19.73
1.4	64QAM	1	3	19.72	19.58	19.78
1.4	64QAM	1	5	19.89	19.86	20.08
1.4	64QAM	3	0	18.84	18.51	18.83
1.4	64QAM	3	1	18.48	18.34	18.54
1.4	64QAM	3	3	18.65	18.62	18.84
1.4	64QAM	6	0	18.57	18.44	18.43



**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	21.26	0.134	21.43	0.139	21.29	0.135
20	QPSK	1	49	21.00	0.126	20.96	0.125	21.39	0.138
20	QPSK	1	99	21.20	0.132	20.99	0.126	21.06	0.128
20	QPSK	50	0	20.23	0.105	20.28	0.107	20.26	0.106
20	QPSK	50	24	19.85	0.097	20.14	0.103	20.01	0.100
20	QPSK	50	50	20.16	0.104	20.11	0.103	20.17	0.104
20	QPSK	100	0	20.18	0.104	20.17	0.104	20.24	0.106
20	16QAM	1	0	21.08	0.128	21.10	0.129	20.87	0.122
20	16QAM	1	49	20.86	0.122	20.90	0.123	20.81	0.121
20	16QAM	1	99	20.78	0.120	21.01	0.126	20.83	0.121
20	16QAM	50	0	19.35	0.086	19.32	0.086	19.36	0.086
20	16QAM	50	24	19.23	0.084	19.36	0.086	19.53	0.090
20	16QAM	50	50	19.27	0.085	19.23	0.084	19.45	0.088
20	16QAM	100	0	19.01	0.080	19.17	0.083	19.49	0.089
20	64QAM	1	0	20.47	0.111	20.12	0.103	20.27	0.106
20	64QAM	1	49	20.25	0.106	20.21	0.105	20.43	0.110
20	64QAM	1	99	19.99	0.100	20.15	0.104	20.25	0.106
20	64QAM	50	0	19.14	0.082	19.20	0.083	19.34	0.086
20	64QAM	50	24	19.07	0.081	19.08	0.081	19.30	0.085
20	64QAM	50	50	18.86	0.077	19.02	0.080	19.12	0.082
20	64QAM	100	0	19.23	0.084	19.00	0.079	19.08	0.081



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18675		18900		19125	
Frequency (MHz)				1857.5		1880		1902.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	21.20	0.132	21.37	0.137	21.23	0.133
15	QPSK	1	37	20.94	0.124	20.90	0.123	21.33	0.136
15	QPSK	1	74	21.14	0.130	20.93	0.124	21.00	0.126
15	QPSK	36	0	20.17	0.104	20.22	0.105	20.20	0.105
15	QPSK	36	20	19.79	0.095	20.08	0.102	19.95	0.099
15	QPSK	36	39	20.10	0.102	20.05	0.101	20.11	0.103
15	QPSK	75	0	20.12	0.103	20.11	0.103	20.18	0.104
15	16QAM	1	0	21.02	0.126	21.04	0.127	20.81	0.121
15	16QAM	1	37	20.80	0.120	20.84	0.121	20.75	0.119
15	16QAM	1	74	20.72	0.118	20.95	0.124	20.77	0.119
15	16QAM	36	0	19.29	0.085	19.26	0.084	19.30	0.085
15	16QAM	36	20	19.17	0.083	19.30	0.085	19.47	0.089
15	16QAM	36	39	19.21	0.083	19.17	0.083	19.39	0.087
15	16QAM	75	0	18.95	0.079	19.11	0.081	19.43	0.088
15	64QAM	1	0	20.41	0.110	20.06	0.101	20.21	0.105
15	64QAM	1	37	20.19	0.104	20.15	0.104	20.37	0.109
15	64QAM	1	74	19.93	0.098	20.09	0.102	20.19	0.104
15	64QAM	36	0	19.08	0.081	19.14	0.082	19.28	0.085
15	64QAM	36	20	19.01	0.080	19.02	0.080	19.24	0.084
15	64QAM	36	39	18.80	0.076	18.96	0.079	19.06	0.081
15	64QAM	75	0	19.17	0.083	18.94	0.078	19.02	0.080



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18650		18900		19150	
Frequency (MHz)				1855		1880		1905	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	21.16	0.131	21.33	0.136	21.19	0.132
10	QPSK	1	25	20.90	0.123	20.86	0.122	21.29	0.135
10	QPSK	1	49	21.10	0.129	20.89	0.123	20.96	0.125
10	QPSK	25	0	20.13	0.103	20.18	0.104	20.16	0.104
10	QPSK	25	12	19.75	0.094	20.04	0.101	19.91	0.098
10	QPSK	25	25	20.06	0.101	20.01	0.100	20.07	0.102
10	QPSK	50	0	20.08	0.102	20.07	0.102	20.14	0.103
10	16QAM	1	0	20.98	0.125	21.00	0.126	20.77	0.119
10	16QAM	1	25	20.76	0.119	20.80	0.120	20.71	0.118
10	16QAM	1	49	20.68	0.117	20.91	0.123	20.73	0.118
10	16QAM	25	0	19.25	0.084	19.22	0.084	19.26	0.084
10	16QAM	25	12	19.13	0.082	19.26	0.084	19.43	0.088
10	16QAM	25	25	19.17	0.083	19.13	0.082	19.35	0.086
10	16QAM	50	0	18.91	0.078	19.07	0.081	19.39	0.087
10	64QAM	1	0	20.37	0.109	20.02	0.100	20.17	0.104
10	64QAM	1	25	20.15	0.104	20.11	0.103	20.33	0.108
10	64QAM	1	49	19.89	0.097	20.05	0.101	20.15	0.104
10	64QAM	25	0	19.04	0.080	19.10	0.081	19.24	0.084
10	64QAM	25	12	19.02	0.080	18.98	0.079	19.20	0.083
10	64QAM	25	25	18.76	0.075	18.92	0.078	19.02	0.080
10	64QAM	50	0	19.13	0.082	18.90	0.078	18.98	0.079



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	21.12	0.129	21.29	0.135	21.15	0.130
5	QPSK	1	12	20.86	0.122	20.82	0.121	21.25	0.133
5	QPSK	1	24	21.06	0.128	20.85	0.122	20.92	0.124
5	QPSK	12	0	20.09	0.102	20.14	0.103	20.12	0.103
5	QPSK	12	7	19.71	0.094	20.00	0.100	19.87	0.097
5	QPSK	12	13	20.02	0.100	19.97	0.099	20.03	0.101
5	QPSK	25	0	20.04	0.101	20.03	0.101	20.10	0.102
5	16QAM	1	0	20.94	0.124	20.96	0.125	20.73	0.118
5	16QAM	1	12	20.72	0.118	20.76	0.119	20.67	0.117
5	16QAM	1	24	20.64	0.116	20.87	0.122	20.69	0.117
5	16QAM	12	0	19.21	0.083	19.18	0.083	19.22	0.084
5	16QAM	12	7	19.09	0.081	19.22	0.084	19.39	0.087
5	16QAM	12	13	19.13	0.082	19.09	0.081	19.31	0.085
5	16QAM	25	0	18.87	0.077	19.03	0.080	19.35	0.086
5	64QAM	1	0	20.33	0.108	19.98	0.100	20.13	0.103
5	64QAM	1	12	20.11	0.103	20.07	0.102	20.29	0.107
5	64QAM	1	24	19.85	0.097	20.01	0.100	20.11	0.103
5	64QAM	12	0	19.00	0.079	19.06	0.081	19.20	0.083
5	64QAM	12	7	18.98	0.079	18.94	0.078	19.16	0.082
5	64QAM	12	13	18.72	0.074	18.88	0.077	18.98	0.079
5	64QAM	25	0	19.09	0.081	18.86	0.077	18.94	0.078



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	21.08	0.128	21.25	0.133	21.11	0.129
3	QPSK	1	8	20.82	0.121	20.78	0.120	21.21	0.132
3	QPSK	1	14	21.02	0.126	20.81	0.121	20.88	0.122
3	QPSK	8	0	20.05	0.101	20.10	0.102	20.08	0.102
3	QPSK	8	4	19.67	0.093	19.96	0.099	19.83	0.096
3	QPSK	8	7	19.98	0.100	19.93	0.098	19.99	0.100
3	QPSK	15	0	20.00	0.100	19.99	0.100	20.06	0.101
3	16QAM	1	0	20.90	0.123	20.92	0.124	20.69	0.117
3	16QAM	1	8	20.68	0.117	20.72	0.118	20.63	0.116
3	16QAM	1	14	20.60	0.115	20.83	0.121	20.65	0.116
3	16QAM	8	0	19.17	0.083	19.14	0.082	19.18	0.083
3	16QAM	8	4	19.05	0.080	19.18	0.083	19.35	0.086
3	16QAM	8	7	19.09	0.081	19.05	0.080	19.27	0.085
3	16QAM	15	0	18.83	0.076	18.99	0.079	19.31	0.085
3	64QAM	1	0	20.29	0.107	19.94	0.099	20.09	0.102
3	64QAM	1	8	20.07	0.102	20.03	0.101	20.25	0.106
3	64QAM	1	14	19.81	0.096	19.97	0.099	20.07	0.102
3	64QAM	8	0	18.96	0.079	19.02	0.080	19.16	0.082
3	64QAM	8	4	18.94	0.078	18.90	0.078	19.12	0.082
3	64QAM	8	7	18.68	0.074	18.84	0.077	18.94	0.078
3	64QAM	15	0	19.05	0.080	18.82	0.076	18.90	0.078



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18607		18900		19193	
Frequency (MHz)				1850.7		1880		1909.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	21.03	0.127	21.20	0.132	21.06	0.128
1.4	QPSK	1	3	20.77	0.119	20.73	0.118	21.16	0.131
1.4	QPSK	1	5	20.97	0.125	20.76	0.119	20.83	0.121
1.4	QPSK	3	0	20.00	0.100	20.05	0.101	20.03	0.101
1.4	QPSK	3	1	19.62	0.092	19.91	0.098	19.78	0.095
1.4	QPSK	3	3	19.93	0.098	19.88	0.097	19.94	0.099
1.4	QPSK	6	0	19.95	0.099	19.94	0.099	20.01	0.100
1.4	16QAM	1	0	20.85	0.122	20.87	0.122	20.64	0.116
1.4	16QAM	1	3	20.63	0.116	20.67	0.117	20.58	0.114
1.4	16QAM	1	5	20.55	0.114	20.78	0.120	20.60	0.115
1.4	16QAM	3	0	19.12	0.082	19.09	0.081	19.13	0.082
1.4	16QAM	3	1	19.00	0.079	19.13	0.082	19.30	0.085
1.4	16QAM	3	3	19.04	0.080	19.00	0.079	19.22	0.084
1.4	16QAM	6	0	18.78	0.076	18.94	0.078	19.26	0.084
1.4	64QAM	1	0	20.24	0.106	19.89	0.097	20.04	0.101
1.4	64QAM	1	3	20.02	0.100	19.98	0.100	20.20	0.105
1.4	64QAM	1	5	19.76	0.095	19.92	0.098	20.02	0.100
1.4	64QAM	3	0	18.91	0.078	18.97	0.079	19.11	0.081
1.4	64QAM	3	1	18.89	0.077	18.85	0.077	19.07	0.081
1.4	64QAM	3	3	18.63	0.073	18.79	0.076	18.89	0.077
1.4	64QAM	6	0	19.00	0.079	18.77	0.075	18.85	0.077





LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20050		20175		20300	
Frequency (MHz)				1720		1732.5		1745	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	21.95	0.157	21.98	0.157	21.88	0.154
20	QPSK	1	49	21.72	0.149	21.58	0.149	21.54	0.143
20	QPSK	1	99	21.53	0.142	21.55	0.142	21.48	0.141
20	QPSK	50	0	20.12	0.103	20.15	0.103	19.94	0.099
20	QPSK	50	24	20.04	0.101	19.89	0.101	19.69	0.093
20	QPSK	50	50	20.01	0.100	19.90	0.100	19.68	0.093
20	QPSK	100	0	20.07	0.102	19.95	0.102	19.92	0.098
20	16QAM	1	0	21.18	0.131	21.22	0.131	21.15	0.130
20	16QAM	1	49	21.19	0.132	21.06	0.132	21.03	0.127
20	16QAM	1	99	20.93	0.124	21.05	0.124	21.01	0.126
20	16QAM	50	0	19.16	0.082	19.17	0.082	18.80	0.076
20	16QAM	50	24	19.14	0.082	18.80	0.082	18.74	0.075
20	16QAM	50	50	19.08	0.081	19.18	0.081	18.72	0.074
20	16QAM	100	0	19.28	0.085	19.16	0.085	18.84	0.077
20	64QAM	1	0	20.70	0.117	20.76	0.117	21.10	0.129
20	64QAM	1	49	21.03	0.127	21.10	0.127	20.84	0.121
20	64QAM	1	99	21.20	0.132	21.08	0.132	20.86	0.122
20	64QAM	50	0	18.94	0.078	19.13	0.078	18.96	0.079
20	64QAM	50	24	19.02	0.080	19.09	0.080	18.73	0.075
20	64QAM	50	50	19.19	0.083	19.07	0.083	18.75	0.075
20	64QAM	100	0	19.19	0.083	18.82	0.083	18.77	0.075



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20025		20175		20325	
Frequency (MHz)				1717.5		1732.5		1747.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	21.89	0.155	21.92	0.156	21.82	0.152
15	QPSK	1	37	21.66	0.147	21.52	0.142	21.48	0.141
15	QPSK	1	74	21.47	0.140	21.49	0.141	21.42	0.139
15	QPSK	36	0	20.06	0.101	20.09	0.102	19.88	0.097
15	QPSK	36	20	19.98	0.100	19.83	0.096	19.63	0.092
15	QPSK	36	39	19.95	0.099	19.84	0.096	19.62	0.092
15	QPSK	75	0	20.01	0.100	19.89	0.097	19.86	0.097
15	16QAM	1	0	21.12	0.129	21.16	0.131	21.09	0.129
15	16QAM	1	37	21.13	0.130	21.00	0.126	20.97	0.125
15	16QAM	1	74	20.87	0.122	20.99	0.126	20.95	0.124
15	16QAM	36	0	19.10	0.081	19.11	0.081	18.74	0.075
15	16QAM	36	20	19.08	0.081	18.74	0.075	18.68	0.074
15	16QAM	36	39	19.02	0.080	19.12	0.082	18.66	0.073
15	16QAM	75	0	19.22	0.084	19.10	0.081	18.78	0.076
15	64QAM	1	0	20.64	0.116	20.70	0.117	21.04	0.127
15	64QAM	1	37	20.97	0.125	21.04	0.127	20.78	0.120
15	64QAM	1	74	21.14	0.130	21.02	0.126	20.80	0.120
15	64QAM	36	0	18.88	0.077	19.07	0.081	18.90	0.078
15	64QAM	36	20	18.96	0.079	19.03	0.080	18.67	0.074
15	64QAM	36	39	19.13	0.082	19.01	0.080	18.69	0.074
15	64QAM	75	0	19.13	0.082	18.76	0.075	18.71	0.074



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20000		20175		20350	
Frequency (MHz)				1715		1732.5		1750	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	21.87	0.154	21.90	0.155	21.80	0.151
10	QPSK	1	25	21.64	0.146	21.50	0.141	21.46	0.140
10	QPSK	1	49	21.45	0.140	21.47	0.140	21.40	0.138
10	QPSK	25	0	20.04	0.101	20.07	0.102	19.86	0.097
10	QPSK	25	12	19.96	0.099	19.81	0.096	19.61	0.091
10	QPSK	25	25	19.93	0.098	19.82	0.096	19.60	0.091
10	QPSK	50	0	19.99	0.100	19.87	0.097	19.84	0.096
10	16QAM	1	0	21.10	0.129	21.14	0.130	21.07	0.128
10	16QAM	1	25	21.11	0.129	20.98	0.125	20.95	0.124
10	16QAM	1	49	20.85	0.122	20.97	0.125	20.93	0.124
10	16QAM	25	0	19.08	0.081	19.09	0.081	18.72	0.074
10	16QAM	25	12	19.06	0.081	18.72	0.074	18.66	0.073
10	16QAM	25	25	19.00	0.079	19.10	0.081	18.64	0.073
10	16QAM	50	0	19.20	0.083	19.08	0.081	18.76	0.075
10	64QAM	1	0	20.62	0.115	20.68	0.117	21.02	0.126
10	64QAM	1	25	20.95	0.124	21.02	0.126	20.76	0.119
10	64QAM	1	49	21.12	0.129	21.00	0.126	20.78	0.120
10	64QAM	25	0	18.86	0.077	19.05	0.080	18.88	0.077
10	64QAM	25	12	18.94	0.078	19.01	0.080	18.65	0.073
10	64QAM	25	25	19.11	0.081	18.99	0.079	18.67	0.074
10	64QAM	50	0	19.11	0.081	18.74	0.075	18.69	0.074



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19975		20175		20375	
Frequency (MHz)				1712.5		1732.5		1752.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	21.83	0.152	21.86	0.153	21.76	0.150
5	QPSK	1	12	21.60	0.145	21.46	0.140	21.42	0.139
5	QPSK	1	24	21.41	0.138	21.43	0.139	21.36	0.137
5	QPSK	12	0	20.00	0.100	20.03	0.101	19.82	0.096
5	QPSK	12	7	19.92	0.098	19.77	0.095	19.57	0.091
5	QPSK	12	13	19.89	0.097	19.78	0.095	19.56	0.090
5	QPSK	25	0	19.95	0.099	19.83	0.096	19.80	0.095
5	16QAM	1	0	21.06	0.128	21.10	0.129	21.03	0.127
5	16QAM	1	12	21.07	0.128	20.94	0.124	20.91	0.123
5	16QAM	1	24	20.81	0.121	20.93	0.124	20.89	0.123
5	16QAM	12	0	19.04	0.080	19.05	0.080	18.68	0.074
5	16QAM	12	7	19.02	0.080	18.68	0.074	18.62	0.073
5	16QAM	12	13	18.96	0.079	19.06	0.081	18.60	0.072
5	16QAM	25	0	19.16	0.082	19.04	0.080	18.72	0.074
5	64QAM	1	0	20.58	0.114	20.64	0.116	20.98	0.125
5	64QAM	1	12	20.91	0.123	20.98	0.125	20.72	0.118
5	64QAM	1	24	21.08	0.128	20.96	0.125	20.74	0.119
5	64QAM	12	0	18.82	0.076	19.01	0.080	18.84	0.077
5	64QAM	12	7	18.90	0.078	18.97	0.079	18.61	0.073
5	64QAM	12	13	19.07	0.081	18.95	0.079	18.63	0.073
5	64QAM	25	0	19.07	0.081	18.70	0.074	18.65	0.073



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19965		20175		20385	
Frequency (MHz)				1711.5		1732.5		1753.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	21.78	0.151	21.81	0.152	21.71	0.148
3	QPSK	1	8	21.55	0.143	21.41	0.138	21.37	0.137
3	QPSK	1	14	21.36	0.137	21.38	0.137	21.31	0.135
3	QPSK	8	0	19.95	0.099	19.98	0.100	19.77	0.095
3	QPSK	8	4	19.87	0.097	19.72	0.094	19.52	0.090
3	QPSK	8	7	19.84	0.096	19.73	0.094	19.51	0.089
3	QPSK	15	0	19.90	0.098	19.78	0.095	19.75	0.094
3	16QAM	1	0	21.01	0.126	21.05	0.127	20.98	0.125
3	16QAM	1	8	21.02	0.126	20.89	0.123	20.86	0.122
3	16QAM	1	14	20.76	0.119	20.88	0.122	20.84	0.121
3	16QAM	8	0	18.99	0.079	19.00	0.079	18.63	0.073
3	16QAM	8	4	18.97	0.079	18.63	0.073	18.57	0.072
3	16QAM	8	7	18.91	0.078	19.01	0.080	18.55	0.072
3	16QAM	15	0	19.11	0.081	18.99	0.079	18.67	0.074
3	64QAM	1	0	20.53	0.113	20.59	0.115	20.93	0.124
3	64QAM	1	8	20.86	0.122	20.93	0.124	20.67	0.117
3	64QAM	1	14	21.03	0.127	20.91	0.123	20.69	0.117
3	64QAM	8	0	18.77	0.075	18.96	0.079	18.79	0.076
3	64QAM	8	4	18.85	0.077	18.92	0.078	18.56	0.072
3	64QAM	8	7	19.02	0.080	18.90	0.078	18.58	0.072
3	64QAM	15	0	19.02	0.080	18.65	0.073	18.60	0.072



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19957		20175		20393	
Frequency (MHz)				1710.7		1732.5		1754.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	21.76	0.150	21.79	0.151	21.69	0.148
1.4	QPSK	1	3	21.53	0.142	21.39	0.138	21.35	0.136
1.4	QPSK	1	5	21.34	0.136	21.36	0.137	21.29	0.135
1.4	QPSK	3	0	19.93	0.098	19.96	0.099	19.75	0.094
1.4	QPSK	3	1	19.85	0.097	19.70	0.093	19.50	0.089
1.4	QPSK	3	3	19.82	0.096	19.71	0.094	19.49	0.089
1.4	QPSK	6	0	19.88	0.097	19.76	0.095	19.73	0.094
1.4	16QAM	1	0	20.99	0.126	21.03	0.127	20.96	0.125
1.4	16QAM	1	3	21.00	0.126	20.87	0.122	20.84	0.121
1.4	16QAM	1	5	20.74	0.119	20.86	0.122	20.82	0.121
1.4	16QAM	3	0	18.97	0.079	18.98	0.079	18.61	0.073
1.4	16QAM	3	1	18.95	0.079	18.61	0.073	18.55	0.072
1.4	16QAM	3	3	18.89	0.077	18.99	0.079	18.53	0.071
1.4	16QAM	6	0	19.09	0.081	18.97	0.079	18.65	0.073
1.4	64QAM	1	0	20.51	0.112	20.57	0.114	20.91	0.123
1.4	64QAM	1	3	20.84	0.121	20.91	0.123	20.65	0.116
1.4	64QAM	1	5	21.01	0.126	20.89	0.123	20.67	0.117
1.4	64QAM	3	0	18.75	0.075	18.94	0.078	18.77	0.075
1.4	64QAM	3	1	18.83	0.076	18.90	0.078	18.54	0.071
1.4	64QAM	3	3	19.00	0.079	18.88	0.077	18.56	0.072
1.4	64QAM	6	0	19.00	0.079	18.63	0.073	18.58	0.072



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	15.05	0.032	15.34	0.034	15.18	0.033
10	QPSK	1	25	14.93	0.031	14.94	0.031	15.17	0.033
10	QPSK	1	49	14.98	0.031	14.93	0.031	14.87	0.031
10	QPSK	25	0	14.18	0.026	14.36	0.027	14.12	0.026
10	QPSK	25	12	13.96	0.025	14.30	0.027	14.24	0.027
10	QPSK	25	25	14.02	0.025	14.21	0.026	14.05	0.025
10	QPSK	50	0	13.91	0.025	14.29	0.027	14.16	0.026
10	16QAM	1	0	14.74	0.030	14.71	0.030	14.68	0.029
10	16QAM	1	25	14.56	0.029	14.53	0.028	14.73	0.030
10	16QAM	1	49	14.59	0.029	14.55	0.029	14.59	0.029
10	16QAM	25	0	13.12	0.021	12.91	0.020	12.95	0.020
10	16QAM	25	12	12.97	0.020	13.07	0.020	13.02	0.020
10	16QAM	25	25	12.99	0.020	13.33	0.022	13.21	0.021
10	16QAM	50	0	13.10	0.020	12.97	0.020	13.07	0.020
10	64QAM	1	0	13.93	0.025	13.86	0.024	14.05	0.025
10	64QAM	1	25	13.71	0.023	13.98	0.025	13.93	0.025
10	64QAM	1	49	13.82	0.024	13.69	0.023	13.79	0.024
10	64QAM	25	0	12.78	0.019	12.84	0.019	12.71	0.019
10	64QAM	25	12	12.71	0.019	12.98	0.020	12.93	0.020
10	64QAM	25	25	12.82	0.019	12.69	0.019	12.79	0.019
10	64QAM	50	0	13.05	0.020	12.88	0.019	12.91	0.020



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	15.03	0.032	15.32	0.034	15.16	0.033
5	QPSK	1	12	14.91	0.031	14.92	0.031	15.15	0.033
5	QPSK	1	24	14.96	0.031	14.91	0.031	14.85	0.031
5	QPSK	12	0	14.16	0.026	14.34	0.027	14.10	0.026
5	QPSK	12	7	13.94	0.025	14.28	0.027	14.22	0.026
5	QPSK	12	13	14.00	0.025	14.19	0.026	14.03	0.025
5	QPSK	25	0	13.89	0.024	14.27	0.027	14.14	0.026
5	16QAM	1	0	14.72	0.030	14.69	0.029	14.66	0.029
5	16QAM	1	12	14.54	0.028	14.51	0.028	14.71	0.030
5	16QAM	1	24	14.57	0.029	14.53	0.028	14.57	0.029
5	16QAM	12	0	13.10	0.020	12.89	0.019	12.93	0.020
5	16QAM	12	7	12.95	0.020	13.05	0.020	13.00	0.020
5	16QAM	12	13	12.97	0.020	13.31	0.021	13.19	0.021
5	16QAM	25	0	13.08	0.020	12.95	0.020	13.05	0.020
5	64QAM	1	0	13.91	0.025	13.84	0.024	14.03	0.025
5	64QAM	1	12	13.69	0.023	13.96	0.025	13.91	0.025
5	64QAM	1	24	13.80	0.024	13.67	0.023	13.77	0.024
5	64QAM	12	0	12.76	0.019	12.82	0.019	12.69	0.019
5	64QAM	12	7	12.69	0.019	12.96	0.020	12.91	0.020
5	64QAM	12	13	12.80	0.019	12.67	0.018	12.77	0.019
5	64QAM	25	0	13.03	0.020	12.86	0.019	12.89	0.019





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	15.00	0.032	15.29	0.034	15.13	0.033
3	QPSK	1	8	14.88	0.031	14.89	0.031	15.12	0.033
3	QPSK	1	14	14.93	0.031	14.88	0.031	14.82	0.030
3	QPSK	8	0	14.13	0.026	14.31	0.027	14.07	0.026
3	QPSK	8	4	13.91	0.025	14.25	0.027	14.19	0.026
3	QPSK	8	7	13.97	0.025	14.16	0.026	14.00	0.025
3	QPSK	15	0	13.86	0.024	14.24	0.027	14.11	0.026
3	16QAM	1	0	14.69	0.029	14.66	0.029	14.63	0.029
3	16QAM	1	8	14.51	0.028	14.48	0.028	14.68	0.029
3	16QAM	1	14	14.54	0.028	14.50	0.028	14.54	0.028
3	16QAM	8	0	13.07	0.020	12.86	0.019	12.90	0.019
3	16QAM	8	4	12.92	0.020	13.02	0.020	12.97	0.020
3	16QAM	8	7	12.94	0.020	13.28	0.021	13.16	0.021
3	16QAM	15	0	13.05	0.020	12.92	0.020	13.02	0.020
3	64QAM	1	0	13.88	0.024	13.81	0.024	14.00	0.025
3	64QAM	1	8	13.66	0.023	13.93	0.025	13.88	0.024
3	64QAM	1	14	13.77	0.024	13.64	0.023	13.74	0.024
3	64QAM	8	0	12.73	0.019	12.79	0.019	12.66	0.018
3	64QAM	8	4	12.66	0.018	12.93	0.020	12.88	0.019
3	64QAM	8	7	12.77	0.019	12.64	0.018	12.74	0.019
3	64QAM	15	0	13.00	0.020	12.83	0.019	12.86	0.019



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	14.97	0.031	15.26	0.034	15.10	0.032
1.4	QPSK	1	3	14.85	0.031	14.86	0.031	15.09	0.032
1.4	QPSK	1	5	14.90	0.031	14.85	0.031	14.79	0.030
1.4	QPSK	3	0	14.10	0.026	14.28	0.027	14.04	0.025
1.4	QPSK	3	1	13.88	0.024	14.22	0.026	14.16	0.026
1.4	QPSK	3	3	13.94	0.025	14.13	0.026	13.97	0.025
1.4	QPSK	6	0	13.83	0.024	14.21	0.026	14.08	0.026
1.4	16QAM	1	0	14.66	0.029	14.63	0.029	14.60	0.029
1.4	16QAM	1	3	14.48	0.028	14.45	0.028	14.65	0.029
1.4	16QAM	1	5	14.51	0.028	14.47	0.028	14.51	0.028
1.4	16QAM	3	0	13.04	0.020	12.83	0.019	12.87	0.019
1.4	16QAM	3	1	12.89	0.019	12.99	0.020	12.94	0.020
1.4	16QAM	3	3	12.91	0.020	13.25	0.021	13.13	0.021
1.4	16QAM	6	0	13.02	0.020	12.89	0.019	12.99	0.020
1.4	64QAM	1	0	13.85	0.024	13.78	0.024	13.97	0.025
1.4	64QAM	1	3	13.63	0.023	13.90	0.025	13.85	0.024
1.4	64QAM	1	5	13.74	0.024	13.61	0.023	13.71	0.023
1.4	64QAM	3	0	12.70	0.019	12.76	0.019	12.63	0.018
1.4	64QAM	3	1	12.63	0.018	12.90	0.019	12.85	0.019
1.4	64QAM	3	3	12.74	0.019	12.61	0.018	12.71	0.019
1.4	64QAM	6	0	12.97	0.020	12.80	0.019	12.83	0.019



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20850		21100		21350	
Frequency (MHz)				2510		2535		2560	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	20.36	0.109	20.53	0.113	20.32	0.108
20	QPSK	1	49	20.09	0.102	20.06	0.101	20.03	0.101
20	QPSK	1	99	20.49	0.112	20.11	0.103	20.07	0.102
20	QPSK	50	0	19.11	0.081	19.32	0.086	19.25	0.084
20	QPSK	50	24	18.93	0.078	19.23	0.084	19.29	0.085
20	QPSK	50	50	19.29	0.085	19.08	0.081	19.14	0.082
20	QPSK	100	0	18.87	0.077	18.98	0.079	18.96	0.079
20	16QAM	1	0	20.18	0.104	19.75	0.094	19.70	0.093
20	16QAM	1	49	19.89	0.097	20.09	0.102	20.15	0.104
20	16QAM	1	99	20.17	0.104	19.94	0.099	20.00	0.100
20	16QAM	50	0	19.13	0.082	19.08	0.081	19.03	0.080
20	16QAM	50	24	19.12	0.082	19.17	0.083	19.48	0.089
20	16QAM	50	50	19.51	0.089	19.27	0.085	19.33	0.086
20	16QAM	100	0	18.51	0.071	18.19	0.066	18.04	0.064
20	64QAM	1	0	19.48	0.089	19.25	0.084	19.13	0.082
20	64QAM	1	49	19.47	0.089	19.33	0.086	19.39	0.087
20	64QAM	1	99	19.37	0.086	19.25	0.084	19.10	0.081
20	64QAM	50	0	18.21	0.066	18.25	0.067	17.91	0.062
20	64QAM	50	24	18.29	0.067	18.05	0.064	18.11	0.065
20	64QAM	50	50	18.39	0.069	18.07	0.064	18.07	0.064
20	64QAM	100	0	18.08	0.064	18.23	0.067	18.24	0.067



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20825		21100		21375	
Frequency (MHz)				2507.5		2535		2562.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	20.33	0.108	20.50	0.112	20.29	0.107
15	QPSK	1	37	20.06	0.101	20.03	0.101	20.00	0.100
15	QPSK	1	74	20.46	0.111	20.08	0.102	20.04	0.101
15	QPSK	36	0	19.08	0.081	19.29	0.085	19.22	0.084
15	QPSK	36	20	18.90	0.078	19.20	0.083	19.26	0.084
15	QPSK	36	39	19.26	0.084	19.05	0.080	19.11	0.081
15	QPSK	75	0	18.84	0.077	18.95	0.079	18.93	0.078
15	16QAM	1	0	20.15	0.104	19.72	0.094	19.67	0.093
15	16QAM	1	37	19.86	0.097	20.06	0.101	20.12	0.103
15	16QAM	1	74	20.14	0.103	19.91	0.098	19.97	0.099
15	16QAM	36	0	19.10	0.081	19.05	0.080	19.00	0.079
15	16QAM	36	20	19.09	0.081	19.14	0.082	19.45	0.088
15	16QAM	36	39	19.48	0.089	19.24	0.084	19.30	0.085
15	16QAM	75	0	18.48	0.070	18.16	0.065	18.01	0.063
15	64QAM	1	0	19.45	0.088	19.22	0.084	19.10	0.081
15	64QAM	1	37	19.44	0.088	19.30	0.085	19.36	0.086
15	64QAM	1	74	19.34	0.086	19.22	0.084	19.07	0.081
15	64QAM	36	0	18.18	0.066	18.22	0.066	17.88	0.061
15	64QAM	36	20	18.26	0.067	18.02	0.063	18.08	0.064
15	64QAM	36	39	18.36	0.069	18.04	0.064	18.04	0.064
15	64QAM	75	0	18.05	0.064	18.20	0.066	18.21	0.066



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20800		21100		21400	
Frequency (MHz)				2505		2535		2565	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	20.30	0.107	20.47	0.111	20.26	0.106
10	QPSK	1	25	20.03	0.101	20.00	0.100	19.97	0.099
10	QPSK	1	49	20.43	0.110	20.05	0.101	20.01	0.100
10	QPSK	25	0	19.05	0.080	19.26	0.084	19.19	0.083
10	QPSK	25	12	18.87	0.077	19.17	0.083	19.23	0.084
10	QPSK	25	25	19.23	0.084	19.02	0.080	19.08	0.081
10	QPSK	50	0	18.81	0.076	18.92	0.078	18.90	0.078
10	16QAM	1	0	20.12	0.103	19.69	0.093	19.64	0.092
10	16QAM	1	25	19.83	0.096	20.03	0.101	20.09	0.102
10	16QAM	1	49	20.11	0.103	19.88	0.097	19.94	0.099
10	16QAM	25	0	19.07	0.081	19.02	0.080	18.97	0.079
10	16QAM	25	12	19.06	0.081	19.11	0.081	19.42	0.087
10	16QAM	25	25	19.45	0.088	19.21	0.083	19.27	0.085
10	16QAM	50	0	18.45	0.070	18.13	0.065	17.98	0.063
10	64QAM	1	0	19.42	0.087	19.19	0.083	19.07	0.081
10	64QAM	1	25	19.41	0.087	19.27	0.085	19.33	0.086
10	64QAM	1	49	19.31	0.085	19.19	0.083	19.04	0.080
10	64QAM	25	0	18.15	0.065	18.19	0.066	17.85	0.061
10	64QAM	25	12	18.23	0.067	17.99	0.063	18.05	0.064
10	64QAM	25	25	18.33	0.068	18.01	0.063	18.01	0.063
10	64QAM	50	0	18.02	0.063	18.17	0.066	18.18	0.066



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20775		21100		21425	
Frequency (MHz)				2502.5		2535		2567.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	20.27	0.106	20.44	0.111	20.23	0.105
5	QPSK	1	12	20.00	0.100	19.97	0.099	19.94	0.099
5	QPSK	1	24	20.40	0.110	20.02	0.100	19.98	0.100
5	QPSK	12	0	19.02	0.080	19.23	0.084	19.16	0.082
5	QPSK	12	7	18.84	0.077	19.14	0.082	19.20	0.083
5	QPSK	12	13	19.20	0.083	18.99	0.079	19.05	0.080
5	QPSK	25	0	18.78	0.076	18.89	0.077	18.87	0.077
5	16QAM	1	0	20.09	0.102	19.66	0.092	19.61	0.091
5	16QAM	1	12	19.80	0.095	20.00	0.100	20.06	0.101
5	16QAM	1	24	20.08	0.102	19.85	0.097	19.91	0.098
5	16QAM	12	0	19.04	0.080	18.99	0.079	18.94	0.078
5	16QAM	12	7	19.03	0.080	19.08	0.081	19.39	0.087
5	16QAM	12	13	19.42	0.087	19.18	0.083	19.24	0.084
5	16QAM	25	0	18.42	0.070	18.10	0.065	17.95	0.062
5	64QAM	1	0	19.39	0.087	19.16	0.082	19.04	0.080
5	64QAM	1	12	19.38	0.087	19.24	0.084	19.30	0.085
5	64QAM	1	24	19.28	0.085	19.16	0.082	19.01	0.080
5	64QAM	12	0	18.12	0.065	18.16	0.065	17.82	0.061
5	64QAM	12	7	18.20	0.066	17.96	0.063	18.02	0.063
5	64QAM	12	13	18.30	0.068	17.98	0.063	17.98	0.063
5	64QAM	25	0	17.99	0.063	18.14	0.065	18.15	0.065



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	14.78	0.030	14.84	0.030	14.79	0.030
10	QPSK	1	25	14.73	0.030	14.46	0.028	14.49	0.028
10	QPSK	1	49	14.48	0.028	14.38	0.027	14.40	0.028
10	QPSK	25	0	13.79	0.024	13.93	0.025	13.83	0.024
10	QPSK	25	12	13.74	0.024	13.54	0.023	13.51	0.022
10	QPSK	25	25	13.54	0.023	13.55	0.023	13.58	0.023
10	QPSK	50	0	13.85	0.024	13.47	0.022	13.80	0.024
10	16QAM	1	0	14.03	0.025	13.87	0.024	13.83	0.024
10	16QAM	1	25	13.64	0.023	13.65	0.023	13.68	0.023
10	16QAM	1	49	13.95	0.025	13.57	0.023	13.90	0.025
10	16QAM	25	0	13.12	0.021	12.83	0.019	12.65	0.018
10	16QAM	25	12	12.73	0.019	12.74	0.019	12.77	0.019
10	16QAM	25	25	13.04	0.020	12.66	0.018	12.99	0.020
10	16QAM	50	0	12.93	0.020	12.44	0.018	12.69	0.019
10	64QAM	1	0	12.83	0.019	12.84	0.019	13.00	0.020
10	64QAM	1	25	12.92	0.020	12.85	0.019	12.87	0.019
10	64QAM	1	49	12.81	0.019	12.79	0.019	12.57	0.018
10	64QAM	25	0	12.38	0.017	12.22	0.017	12.05	0.016
10	64QAM	25	12	12.37	0.017	12.29	0.017	12.42	0.017
10	64QAM	25	25	12.36	0.017	12.07	0.016	12.12	0.016
10	64QAM	50	0	12.45	0.018	11.98	0.016	12.04	0.016



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	14.72	0.030	14.78	0.030	14.73	0.030
5	QPSK	1	12	14.67	0.029	14.40	0.028	14.43	0.028
5	QPSK	1	24	14.42	0.028	14.32	0.027	14.34	0.027
5	QPSK	12	0	13.73	0.024	13.87	0.024	13.77	0.024
5	QPSK	12	7	13.68	0.023	13.48	0.022	13.45	0.022
5	QPSK	12	13	13.48	0.022	13.49	0.022	13.52	0.022
5	QPSK	25	0	13.79	0.024	13.41	0.022	13.74	0.024
5	16QAM	1	0	13.97	0.025	13.81	0.024	13.77	0.024
5	16QAM	1	12	13.58	0.023	13.59	0.023	13.62	0.023
5	16QAM	1	24	13.89	0.024	13.51	0.022	13.84	0.024
5	16QAM	12	0	13.06	0.020	12.77	0.019	12.59	0.018
5	16QAM	12	7	12.67	0.018	12.68	0.019	12.71	0.019
5	16QAM	12	13	12.98	0.020	12.60	0.018	12.93	0.020
5	16QAM	25	0	12.87	0.019	12.38	0.017	12.63	0.018
5	64QAM	1	0	12.80	0.019	12.81	0.019	12.97	0.020
5	64QAM	1	12	12.89	0.019	12.82	0.019	12.84	0.019
5	64QAM	1	24	12.78	0.019	12.76	0.019	12.54	0.018
5	64QAM	12	0	12.35	0.017	12.19	0.017	12.02	0.016
5	64QAM	12	7	12.34	0.017	12.26	0.017	12.39	0.017
5	64QAM	12	13	12.33	0.017	12.04	0.016	12.09	0.016
5	64QAM	25	0	12.42	0.017	11.95	0.016	12.01	0.016





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	14.69	0.029	14.75	0.030	14.70	0.030
3	QPSK	1	8	14.64	0.029	14.37	0.027	14.40	0.028
3	QPSK	1	14	14.39	0.027	14.29	0.027	14.31	0.027
3	QPSK	8	0	13.70	0.023	13.84	0.024	13.74	0.024
3	QPSK	8	4	13.65	0.023	13.45	0.022	13.42	0.022
3	QPSK	8	7	13.45	0.022	13.46	0.022	13.49	0.022
3	QPSK	15	0	13.76	0.024	13.38	0.022	13.71	0.023
3	16QAM	1	0	13.94	0.025	13.78	0.024	13.74	0.024
3	16QAM	1	8	13.55	0.023	13.56	0.023	13.59	0.023
3	16QAM	1	14	13.86	0.024	13.48	0.022	13.81	0.024
3	16QAM	8	0	13.03	0.020	12.74	0.019	12.56	0.018
3	16QAM	8	4	12.64	0.018	12.65	0.018	12.68	0.019
3	16QAM	8	7	12.95	0.020	12.57	0.018	12.90	0.019
3	16QAM	15	0	12.84	0.019	12.35	0.017	12.60	0.018
3	64QAM	1	0	12.77	0.019	12.78	0.019	12.94	0.020
3	64QAM	1	8	12.86	0.019	12.79	0.019	12.81	0.019
3	64QAM	1	14	12.75	0.019	12.73	0.019	12.51	0.018
3	64QAM	8	0	12.32	0.017	12.16	0.016	11.99	0.016
3	64QAM	8	4	12.31	0.017	12.23	0.017	12.36	0.017
3	64QAM	8	7	12.30	0.017	12.01	0.016	12.06	0.016
3	64QAM	15	0	12.39	0.017	11.92	0.016	11.98	0.016



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	14.63	0.029	14.69	0.029	14.64	0.029
1.4	QPSK	1	3	14.58	0.029	14.31	0.027	14.34	0.027
1.4	QPSK	1	5	14.33	0.027	14.23	0.026	14.25	0.027
1.4	QPSK	3	0	13.64	0.023	13.78	0.024	13.68	0.023
1.4	QPSK	3	1	13.59	0.023	13.39	0.022	13.36	0.022
1.4	QPSK	3	3	13.39	0.022	13.40	0.022	13.43	0.022
1.4	QPSK	6	0	13.70	0.023	13.32	0.021	13.65	0.023
1.4	16QAM	1	0	13.88	0.024	13.72	0.024	13.68	0.023
1.4	16QAM	1	3	13.49	0.022	13.50	0.022	13.53	0.023
1.4	16QAM	1	5	13.80	0.024	13.42	0.022	13.75	0.024
1.4	16QAM	3	0	12.97	0.020	12.68	0.019	12.50	0.018
1.4	16QAM	3	1	12.58	0.018	12.59	0.018	12.62	0.018
1.4	16QAM	3	3	12.89	0.019	12.51	0.018	12.84	0.019
1.4	16QAM	6	0	12.78	0.019	12.29	0.017	12.54	0.018
1.4	64QAM	1	0	12.71	0.019	12.72	0.019	12.88	0.019
1.4	64QAM	1	3	12.80	0.019	12.73	0.019	12.75	0.019
1.4	64QAM	1	5	12.69	0.019	12.67	0.018	12.45	0.018
1.4	64QAM	3	0	12.26	0.017	12.10	0.016	11.93	0.016
1.4	64QAM	3	1	12.25	0.017	12.17	0.016	12.30	0.017
1.4	64QAM	3	3	12.24	0.017	11.95	0.016	12.00	0.016
1.4	64QAM	6	0	12.33	0.017	11.86	0.015	11.92	0.016



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	14.57	0.029	14.70	0.030	14.55	0.029
10	QPSK	1	25	14.22	0.026	14.24	0.027	14.43	0.028
10	QPSK	1	49	14.50	0.028	14.46	0.028	14.49	0.028
10	QPSK	25	0	13.58	0.023	13.69	0.023	13.63	0.023
10	QPSK	25	12	13.48	0.022	13.64	0.023	13.62	0.023
10	QPSK	25	25	13.37	0.022	13.38	0.022	13.51	0.022
10	QPSK	50	0	13.22	0.021	13.63	0.023	13.62	0.023
10	16QAM	1	0	14.19	0.026	13.81	0.024	13.92	0.025
10	16QAM	1	25	13.98	0.025	14.14	0.026	14.12	0.026
10	16QAM	1	49	13.87	0.024	13.88	0.024	14.01	0.025
10	16QAM	25	0	12.63	0.018	12.64	0.018	12.29	0.017
10	16QAM	25	12	12.45	0.018	12.61	0.018	12.59	0.018
10	16QAM	25	25	12.34	0.017	12.35	0.017	12.48	0.018
10	16QAM	50	0	12.54	0.018	12.66	0.018	12.65	0.018
10	64QAM	1	0	13.22	0.021	12.80	0.019	12.99	0.020
10	64QAM	1	25	12.90	0.019	12.91	0.020	13.04	0.020
10	64QAM	1	49	13.10	0.020	13.22	0.021	13.21	0.021
10	64QAM	25	0	11.98	0.016	11.87	0.015	11.75	0.015
10	64QAM	25	12	11.74	0.015	11.75	0.015	11.88	0.015
10	64QAM	25	25	11.94	0.016	12.06	0.016	12.05	0.016
10	64QAM	50	0	11.90	0.015	12.05	0.016	12.06	0.016



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	14.51	0.028	14.64	0.029	14.49	0.028
5	QPSK	1	12	14.16	0.026	14.18	0.026	14.37	0.027
5	QPSK	1	24	14.44	0.028	14.40	0.028	14.43	0.028
5	QPSK	12	0	13.52	0.022	13.63	0.023	13.57	0.023
5	QPSK	12	7	13.42	0.022	13.58	0.023	13.56	0.023
5	QPSK	12	13	13.31	0.021	13.32	0.021	13.45	0.022
5	QPSK	25	0	13.16	0.021	13.57	0.023	13.56	0.023
5	16QAM	1	0	14.13	0.026	13.75	0.024	13.86	0.024
5	16QAM	1	12	13.92	0.025	14.08	0.026	14.06	0.025
5	16QAM	1	24	13.81	0.024	13.82	0.024	13.95	0.025
5	16QAM	12	0	12.57	0.018	12.58	0.018	12.23	0.017
5	16QAM	12	7	12.39	0.017	12.55	0.018	12.53	0.018
5	16QAM	12	13	12.28	0.017	12.29	0.017	12.42	0.017
5	16QAM	25	0	12.48	0.018	12.60	0.018	12.59	0.018
5	64QAM	1	0	13.16	0.021	12.74	0.019	12.93	0.020
5	64QAM	1	12	12.84	0.019	12.85	0.019	12.98	0.020
5	64QAM	1	24	13.04	0.020	13.16	0.021	13.15	0.021
5	64QAM	12	0	11.92	0.016	11.81	0.015	11.69	0.015
5	64QAM	12	7	11.68	0.015	11.69	0.015	11.82	0.015
5	64QAM	12	13	11.88	0.015	12.00	0.016	11.99	0.016
5	64QAM	25	0	11.84	0.015	11.99	0.016	12.00	0.016



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132072		132322		132572	
Frequency (MHz)				1720		1745		1770	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	23.88	0.244	23.98	0.250	23.93	0.247
20	QPSK	1	49	23.82	0.241	23.91	0.246	23.74	0.237
20	QPSK	1	99	23.64	0.231	23.54	0.226	23.55	0.226
20	QPSK	50	0	23.13	0.206	23.14	0.206	23.06	0.202
20	QPSK	50	24	23.05	0.202	22.81	0.191	22.89	0.195
20	QPSK	50	50	22.78	0.190	22.64	0.184	22.84	0.192
20	QPSK	100	0	23.09	0.204	22.87	0.194	23.11	0.205
20	16QAM	1	0	23.13	0.206	22.97	0.198	23.00	0.200
20	16QAM	1	49	23.14	0.206	22.90	0.195	22.98	0.199
20	16QAM	1	99	22.87	0.194	22.73	0.187	22.93	0.196
20	16QAM	50	0	21.87	0.154	21.81	0.152	21.80	0.151
20	16QAM	50	24	21.96	0.157	21.72	0.149	21.80	0.151
20	16QAM	50	50	21.69	0.148	21.55	0.143	21.75	0.150
20	16QAM	100	0	21.86	0.153	21.83	0.152	22.05	0.160
20	64QAM	1	0	21.91	0.155	22.32	0.171	21.97	0.157
20	64QAM	1	49	21.96	0.157	21.82	0.152	22.02	0.159
20	64QAM	1	99	22.13	0.163	22.10	0.162	22.32	0.171
20	64QAM	50	0	21.08	0.128	20.75	0.119	21.07	0.128
20	64QAM	50	24	20.72	0.118	20.58	0.114	20.78	0.120
20	64QAM	50	50	20.89	0.123	20.86	0.122	21.08	0.128
20	64QAM	100	0	20.81	0.121	20.68	0.117	20.67	0.117



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132047		132322		132597	
Frequency (MHz)				1717.5		1745		1772.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	23.82	0.241	23.92	0.247	23.87	0.244
15	QPSK	1	37	23.76	0.238	23.85	0.243	23.68	0.233
15	QPSK	1	74	23.58	0.228	23.48	0.223	23.49	0.223
15	QPSK	36	0	23.07	0.203	23.08	0.203	23.00	0.200
15	QPSK	36	20	22.99	0.199	22.75	0.188	22.83	0.192
15	QPSK	36	39	22.72	0.187	22.58	0.181	22.78	0.190
15	QPSK	75	0	23.03	0.201	22.81	0.191	23.05	0.202
15	16QAM	1	0	23.07	0.203	22.91	0.195	22.94	0.197
15	16QAM	1	37	23.08	0.203	22.84	0.192	22.92	0.196
15	16QAM	1	74	22.81	0.191	22.67	0.185	22.87	0.194
15	16QAM	36	0	21.81	0.152	21.75	0.150	21.74	0.149
15	16QAM	36	20	21.90	0.155	21.66	0.147	21.74	0.149
15	16QAM	36	39	21.63	0.146	21.49	0.141	21.69	0.148
15	16QAM	75	0	21.80	0.151	21.77	0.150	21.99	0.158
15	64QAM	1	0	21.85	0.153	22.26	0.168	21.91	0.155
15	64QAM	1	37	21.90	0.155	21.76	0.150	21.96	0.157
15	64QAM	1	74	22.07	0.161	22.04	0.160	22.26	0.168
15	64QAM	36	0	21.02	0.126	20.69	0.117	21.01	0.126
15	64QAM	36	20	20.66	0.116	20.52	0.113	20.72	0.118
15	64QAM	36	39	20.83	0.121	20.80	0.120	21.02	0.126
15	64QAM	75	0	20.75	0.119	20.62	0.115	20.61	0.115



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132022		132322		132622	
Frequency (MHz)				1715		1745		1775	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	23.76	0.238	23.86	0.243	23.81	0.240
10	QPSK	1	25	23.70	0.234	23.79	0.239	23.62	0.230
10	QPSK	1	49	23.52	0.225	23.42	0.220	23.43	0.220
10	QPSK	25	0	23.01	0.200	23.02	0.200	22.94	0.197
10	QPSK	25	12	22.93	0.196	22.69	0.186	22.77	0.189
10	QPSK	25	25	22.66	0.185	22.52	0.179	22.72	0.187
10	QPSK	50	0	22.97	0.198	22.75	0.188	22.99	0.199
10	16QAM	1	0	23.01	0.200	22.85	0.193	22.88	0.194
10	16QAM	1	25	23.02	0.200	22.78	0.190	22.86	0.193
10	16QAM	1	49	22.75	0.188	22.61	0.182	22.81	0.191
10	16QAM	25	0	21.75	0.150	21.69	0.148	21.68	0.147
10	16QAM	25	12	21.84	0.153	21.60	0.145	21.68	0.147
10	16QAM	25	25	21.57	0.144	21.43	0.139	21.63	0.146
10	16QAM	50	0	21.74	0.149	21.71	0.148	21.93	0.156
10	64QAM	1	0	21.79	0.151	22.20	0.166	21.85	0.153
10	64QAM	1	25	21.84	0.153	21.70	0.148	21.90	0.155
10	64QAM	1	49	22.01	0.159	21.98	0.158	22.20	0.166
10	64QAM	25	0	20.96	0.125	20.63	0.116	20.95	0.124
10	64QAM	25	12	20.60	0.115	20.46	0.111	20.66	0.116
10	64QAM	25	25	20.77	0.119	20.74	0.119	20.96	0.125
10	64QAM	50	0	20.69	0.117	20.56	0.114	20.55	0.114



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131997		132322		132647	
Frequency (MHz)				1712.5		1745		1777.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	23.72	0.236	23.82	0.241	23.77	0.238
5	QPSK	1	12	23.66	0.232	23.75	0.237	23.58	0.228
5	QPSK	1	24	23.48	0.223	23.38	0.218	23.39	0.218
5	QPSK	12	0	22.97	0.198	22.98	0.199	22.90	0.195
5	QPSK	12	7	22.89	0.195	22.65	0.184	22.73	0.187
5	QPSK	12	13	22.62	0.183	22.48	0.177	22.68	0.185
5	QPSK	25	0	22.93	0.196	22.71	0.187	22.95	0.197
5	16QAM	1	0	22.97	0.198	22.81	0.191	22.84	0.192
5	16QAM	1	12	22.98	0.199	22.74	0.188	22.82	0.191
5	16QAM	1	24	22.71	0.187	22.57	0.181	22.77	0.189
5	16QAM	12	0	21.71	0.148	21.65	0.146	21.64	0.146
5	16QAM	12	7	21.80	0.151	21.56	0.143	21.64	0.146
5	16QAM	12	13	21.53	0.142	21.39	0.138	21.59	0.144
5	16QAM	25	0	21.70	0.148	21.67	0.147	21.89	0.155
5	64QAM	1	0	21.75	0.150	22.16	0.164	21.81	0.152
5	64QAM	1	12	21.80	0.151	21.66	0.147	21.86	0.153
5	64QAM	1	24	21.97	0.157	21.94	0.156	22.16	0.164
5	64QAM	12	0	20.92	0.124	20.59	0.115	20.91	0.123
5	64QAM	12	7	20.56	0.114	20.42	0.110	20.62	0.115
5	64QAM	12	13	20.73	0.118	20.70	0.117	20.92	0.124
5	64QAM	25	0	20.65	0.116	20.52	0.113	20.51	0.112





LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131987		132322		132657	
Frequency (MHz)				1711.5		1745		1778.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	23.68	0.233	23.78	0.239	23.73	0.236
3	QPSK	1	8	23.62	0.230	23.71	0.235	23.54	0.226
3	QPSK	1	14	23.44	0.221	23.34	0.216	23.35	0.216
3	QPSK	8	0	22.93	0.196	22.94	0.197	22.86	0.193
3	QPSK	8	4	22.85	0.193	22.61	0.182	22.69	0.186
3	QPSK	8	7	22.58	0.181	22.44	0.175	22.64	0.184
3	QPSK	15	0	22.89	0.195	22.67	0.185	22.91	0.195
3	16QAM	1	0	22.93	0.196	22.77	0.189	22.80	0.191
3	16QAM	1	8	22.94	0.197	22.70	0.186	22.78	0.190
3	16QAM	1	14	22.67	0.185	22.53	0.179	22.73	0.187
3	16QAM	8	0	21.67	0.147	21.61	0.145	21.60	0.145
3	16QAM	8	4	21.76	0.150	21.52	0.142	21.60	0.145
3	16QAM	8	7	21.49	0.141	21.35	0.136	21.55	0.143
3	16QAM	15	0	21.66	0.147	21.63	0.146	21.85	0.153
3	64QAM	1	0	21.71	0.148	22.12	0.163	21.77	0.150
3	64QAM	1	8	21.76	0.150	21.62	0.145	21.82	0.152
3	64QAM	1	14	21.93	0.156	21.90	0.155	22.12	0.163
3	64QAM	8	0	20.88	0.122	20.55	0.114	20.87	0.122
3	64QAM	8	4	20.52	0.113	20.38	0.109	20.58	0.114
3	64QAM	8	7	20.69	0.117	20.66	0.116	20.88	0.122
3	64QAM	15	0	20.61	0.115	20.48	0.112	20.47	0.111



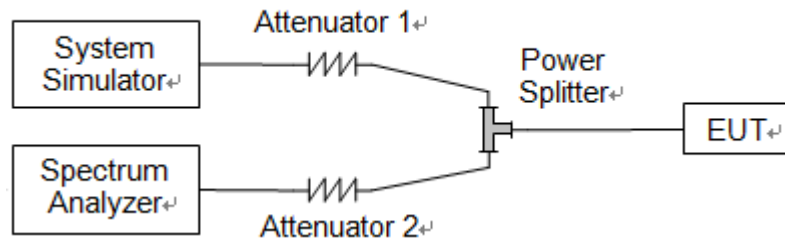
LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131979		132322		132665	
Frequency (MHz)				1710.7		1745		1779.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	23.64	0.231	23.74	0.237	23.69	0.234
1.4	QPSK	1	3	23.58	0.228	23.67	0.233	23.50	0.224
1.4	QPSK	1	5	23.40	0.219	23.30	0.214	23.31	0.214
1.4	QPSK	3	0	22.89	0.195	22.90	0.195	22.82	0.191
1.4	QPSK	3	1	22.81	0.191	22.57	0.181	22.65	0.184
1.4	QPSK	3	3	22.54	0.179	22.40	0.174	22.60	0.182
1.4	QPSK	6	0	22.85	0.193	22.63	0.183	22.87	0.194
1.4	16QAM	1	0	22.89	0.195	22.73	0.187	22.76	0.189
1.4	16QAM	1	3	22.90	0.195	22.66	0.185	22.74	0.188
1.4	16QAM	1	5	22.63	0.183	22.49	0.177	22.69	0.186
1.4	16QAM	3	0	21.63	0.146	21.57	0.144	21.56	0.143
1.4	16QAM	3	1	21.72	0.149	21.48	0.141	21.56	0.143
1.4	16QAM	3	3	21.45	0.140	21.31	0.135	21.51	0.142
1.4	16QAM	6	0	21.62	0.145	21.59	0.144	21.81	0.152
1.4	64QAM	1	0	21.67	0.147	22.08	0.161	21.73	0.149
1.4	64QAM	1	3	21.72	0.149	21.58	0.144	21.78	0.151
1.4	64QAM	1	5	21.89	0.155	21.86	0.153	22.08	0.161
1.4	64QAM	3	0	20.84	0.121	20.51	0.112	20.83	0.121
1.4	64QAM	3	1	20.48	0.112	20.34	0.108	20.54	0.113
1.4	64QAM	3	3	20.65	0.116	20.62	0.115	20.84	0.121
1.4	64QAM	6	0	20.57	0.114	20.44	0.111	20.43	0.110

## 2.2. Occupied Bandwidth

### 2.2.1. Requirement

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

### 2.2.2. Test Description



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

### 2.2.3. Test Procedure

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

### 2.2.4. Test Result



LTE Band 2				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.24
	Low	16QAM	1.10	1.24
	Low	64QAM	1.10	1.25
	Mid	QPSK	1.09	1.24
	Mid	16QAM	1.09	1.25
	Mid	64QAM	1.10	1.25
	High	QPSK	1.10	1.25
	High	16QAM	1.09	1.25
	High	64QAM	1.10	1.26
3	Low	QPSK	2.72	3.05
	Low	16QAM	2.72	3.05
	Low	64QAM	2.72	3.06
	Mid	QPSK	2.71	3.05
	Mid	16QAM	2.72	3.05
	Mid	64QAM	2.72	3.06
	High	QPSK	2.72	3.06
	High	16QAM	2.71	3.06
	High	64QAM	2.71	3.03
5	Low	QPSK	4.51	4.96
	Low	16QAM	4.50	4.96
	Low	64QAM	4.50	4.96
	Mid	QPSK	4.50	4.96
	Mid	16QAM	4.50	4.97
	Mid	64QAM	4.50	4.93
	High	QPSK	4.49	4.96
	High	16QAM	4.49	5.00
	High	64QAM	4.49	4.95
10	Low	QPSK	9.01	9.90
	Low	16QAM	8.98	9.85
	Low	64QAM	9.00	9.87
	Mid	QPSK	9.02	9.86
	Mid	16QAM	8.97	9.86
	Mid	64QAM	8.98	9.90
	High	QPSK	9.00	9.88
	High	16QAM	8.96	9.80
	High	64QAM	8.98	9.84



15	Low	QPSK	13.52	14.86
	Low	16QAM	13.49	15.05
	Low	64QAM	13.46	14.94
	Mid	QPSK	13.46	14.83
	Mid	16QAM	13.46	14.96
	Mid	64QAM	13.47	14.95
	High	QPSK	13.48	14.83
	High	16QAM	13.49	14.85
	High	64QAM	13.49	14.93
20	Low	QPSK	17.98	19.84
	Low	16QAM	18.01	19.71
	Low	64QAM	18.02	19.77
	Mid	QPSK	18.00	19.73
	Mid	16QAM	17.98	19.83
	Mid	64QAM	17.99	19.75
	High	QPSK	17.99	19.73
	High	16QAM	17.98	19.81
	High	64QAM	18.03	19.80



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	1.26
	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	1.26
	High	64QAM	1.10	1.25
3	Low	QPSK	2.72	3.05
	Low	16QAM	2.71	3.06
	Low	64QAM	2.72	3.05
	Mid	QPSK	2.71	3.04
	Mid	16QAM	2.71	3.04
	Mid	64QAM	2.72	3.05
	High	QPSK	2.71	3.04
	High	16QAM	2.72	3.04
	High	64QAM	2.72	3.06
5	Low	QPSK	4.49	4.94
	Low	16QAM	4.50	4.99
	Low	64QAM	4.49	4.97
	Mid	QPSK	4.50	4.97
	Mid	16QAM	4.51	4.99
	Mid	64QAM	4.50	4.96
	High	QPSK	4.50	4.99
	High	16QAM	4.50	4.97
	High	64QAM	4.50	4.95
10	Low	QPSK	9.02	9.83
	Low	16QAM	8.98	9.83
	Low	64QAM	8.99	9.88
	Mid	QPSK	9.04	9.90
	Mid	16QAM	8.98	9.87
	Mid	64QAM	9.00	9.92
	High	QPSK	9.02	9.96
	High	16QAM	8.98	9.83
	High	64QAM	9.00	9.91



15	Low	QPSK	13.48	14.81
	Low	16QAM	13.49	14.83
	Low	64QAM	13.47	14.97
	Mid	QPSK	13.47	14.85
	Mid	16QAM	13.49	14.87
	Mid	64QAM	13.47	14.99
	High	QPSK	13.50	14.81
	High	16QAM	13.48	14.85
	High	64QAM	13.50	14.88
20	Low	QPSK	17.99	19.73
	Low	16QAM	18.04	19.8
	Low	64QAM	18.02	19.68
	Mid	QPSK	17.97	19.67
	Mid	16QAM	18.02	19.79
	Mid	64QAM	18.03	19.68
	High	QPSK	18.01	19.67
	High	16QAM	18.04	19.88
	High	64QAM	18.03	19.76



LTE Band 5				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.25
	Low	16QAM	1.10	1.23
	Low	64QAM	1.10	1.25
	Mid	QPSK	1.09	1.22
	Mid	16QAM	1.09	1.24
	Mid	64QAM	1.10	1.25
	High	QPSK	1.10	1.25
	High	16QAM	1.10	1.24
	High	64QAM	1.10	1.25
3	Low	QPSK	2.72	3.05
	Low	16QAM	2.71	3.05
	Low	64QAM	2.72	3.05
	Mid	QPSK	2.72	3.04
	Mid	16QAM	2.71	3.06
	Mid	64QAM	2.73	3.06
	High	QPSK	2.71	3.06
	High	16QAM	2.71	3.05
	High	64QAM	2.72	3.05
5	Low	QPSK	4.50	4.96
	Low	16QAM	4.50	4.98
	Low	64QAM	4.49	4.95
	Mid	QPSK	4.50	4.97
	Mid	16QAM	4.50	4.99
	Mid	64QAM	4.50	4.94
	High	QPSK	4.49	4.96
	High	16QAM	4.49	5.00
	High	64QAM	4.50	4.98
10	Low	QPSK	9.00	9.81
	Low	16QAM	8.96	9.81
	Low	64QAM	8.98	9.87
	Mid	QPSK	8.99	9.91
	Mid	16QAM	8.97	9.86
	Mid	64QAM	9.00	9.90
	High	QPSK	9.01	9.88
	High	16QAM	8.99	9.84
	High	64QAM	9.00	9.84





LTE Band 7				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.51	4.98
	Low	16QAM	4.50	4.98
	Low	64QAM	4.50	4.94
	Mid	QPSK	4.50	4.98
	Mid	16QAM	4.49	4.98
	Mid	64QAM	4.49	4.96
	High	QPSK	4.49	4.98
	High	16QAM	4.50	4.98
	High	64QAM	4.50	4.96
10	Low	QPSK	9.02	9.82
	Low	16QAM	8.98	9.79
	Low	64QAM	8.99	9.87
	Mid	QPSK	9.01	9.90
	Mid	16QAM	8.98	9.85
	Mid	64QAM	8.99	9.84
	High	QPSK	9.02	9.89
	High	16QAM	8.99	9.79
	High	64QAM	9.00	9.85
15	Low	QPSK	13.48	14.84
	Low	16QAM	13.48	15.02
	Low	64QAM	13.48	14.95
	Mid	QPSK	13.49	14.99
	Mid	16QAM	13.45	14.43
	Mid	64QAM	13.48	14.90
	High	QPSK	13.45	14.34
	High	16QAM	13.51	14.93
	High	64QAM	13.46	14.78
20	Low	QPSK	17.96	19.88
	Low	16QAM	17.99	19.79
	Low	64QAM	17.99	19.72
	Mid	QPSK	17.93	19.65
	Mid	16QAM	17.97	19.78
	Mid	64QAM	18.00	19.70
	High	QPSK	18.00	19.77
	High	16QAM	18.04	19.79
	High	64QAM	18.02	19.83



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	1.24
	Low	64QAM	1.10	1.25
	Mid	QPSK	1.10	1.24
	Mid	16QAM	1.10	1.24
	Mid	64QAM	1.10	1.25
	High	QPSK	1.10	1.25
	High	16QAM	1.10	1.25
	High	64QAM	1.10	1.25
3	Low	QPSK	2.71	3.06
	Low	16QAM	2.72	3.05
	Low	64QAM	2.73	3.06
	Mid	QPSK	2.72	3.06
	Mid	16QAM	2.72	3.04
	Mid	64QAM	2.73	3.06
	High	QPSK	2.71	3.06
	High	16QAM	2.71	3.05
	High	64QAM	2.72	3.07
5	Low	QPSK	4.51	4.99
	Low	16QAM	4.51	5.00
	Low	64QAM	4.49	4.95
	Mid	QPSK	4.50	4.98
	Mid	16QAM	4.51	4.98
	Mid	64QAM	4.50	4.97
	High	QPSK	4.50	4.98
	High	16QAM	4.49	4.99
	High	64QAM	4.50	4.96
10	Low	QPSK	9.00	9.87
	Low	16QAM	8.99	9.81
	Low	64QAM	9.00	9.74
	Mid	QPSK	9.00	9.87
	Mid	16QAM	8.97	9.77
	Mid	64QAM	8.99	9.86
	High	QPSK	9.02	9.90
	High	16QAM	8.98	9.83
	High	64QAM	9.00	9.87



LTE Band 17				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.50	4.96
	Low	16QAM	4.51	4.97
	Low	64QAM	4.50	4.97
	Mid	QPSK	4.51	4.98
	Mid	16QAM	4.50	4.99
	Mid	64QAM	4.49	4.96
	High	QPSK	4.50	4.99
	High	16QAM	4.51	4.97
	High	64QAM	4.50	4.98
10	Low	QPSK	9.01	9.91
	Low	16QAM	8.98	9.80
	Low	64QAM	8.99	9.87
	Mid	QPSK	9.00	9.80
	Mid	16QAM	8.98	9.84
	Mid	64QAM	9.00	9.87
	High	QPSK	9.02	9.87
	High	16QAM	8.99	9.87
	High	64QAM	9.00	9.88



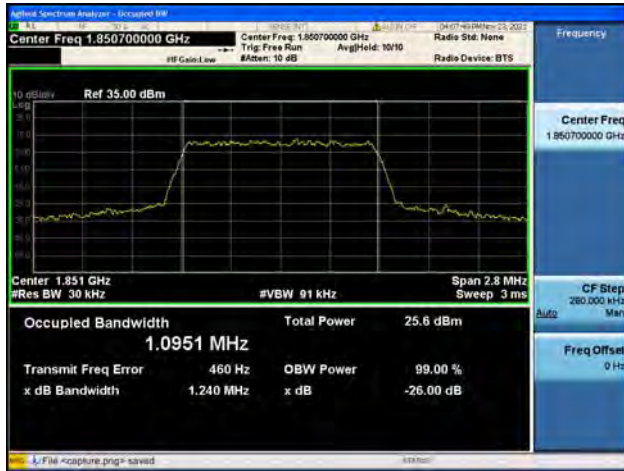
LTE Band 66				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.24
	Low	16QAM	1.10	1.26
	Low	64QAM	1.10	1.25
	Mid	QPSK	1.09	1.25
	Mid	16QAM	1.10	1.25
	Mid	64QAM	1.09	1.23
	High	QPSK	1.09	1.25
	High	16QAM	1.10	1.25
	High	64QAM	1.10	1.25
3	Low	QPSK	2.71	3.06
	Low	16QAM	2.71	3.04
	Low	64QAM	2.72	3.07
	Mid	QPSK	2.72	3.06
	Mid	16QAM	2.72	3.05
	Mid	64QAM	2.72	3.06
	High	QPSK	2.72	3.06
	High	16QAM	2.71	3.03
	High	64QAM	2.72	3.05
5	Low	QPSK	4.50	4.93
	Low	16QAM	4.51	4.97
	Low	64QAM	4.50	4.97
	Mid	QPSK	4.50	4.98
	Mid	16QAM	4.50	4.98
	Mid	64QAM	4.50	4.96
	High	QPSK	4.50	4.97
	High	16QAM	4.50	5.00
	High	64QAM	4.50	4.93
10	Low	QPSK	9.00	9.87
	Low	16QAM	8.97	9.84
	Low	64QAM	8.98	9.77
	Mid	QPSK	9.01	9.89
	Mid	16QAM	8.97	9.88
	Mid	64QAM	9.01	9.84
	High	QPSK	9.00	9.89
	High	16QAM	8.98	9.82
	High	64QAM	9.01	9.84



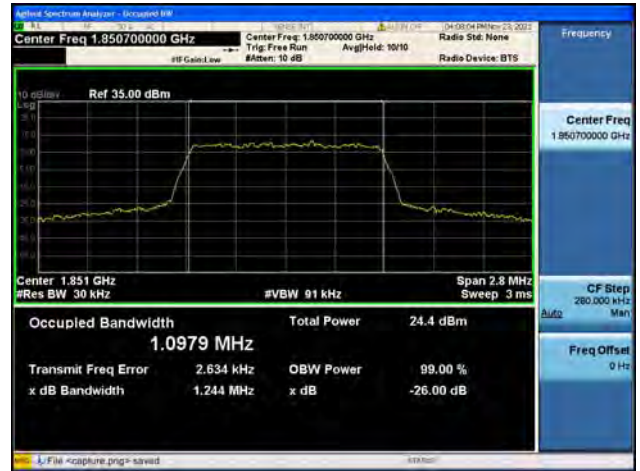
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	Low	16QAM	13.49	14.91
	Low	64QAM	13.49	14.98
	Mid	QPSK	13.49	14.92
	Mid	16QAM	13.49	14.98
	Mid	64QAM	13.52	14.9
	High	QPSK	13.46	14.85
	High	16QAM	13.48	14.88
	High	64QAM	13.46	14.94
20	Low	QPSK	17.99	19.63
	Low	16QAM	17.98	19.69
	Low	64QAM	18.02	19.69
	Mid	QPSK	17.98	19.66
	Mid	16QAM	18.03	19.86
	Mid	64QAM	17.99	19.72
	High	QPSK	17.96	19.69
	High	16QAM	17.99	19.75
	High	64QAM	17.97	19.75



Band2 / 1.4MHz / Low CH / QPSK



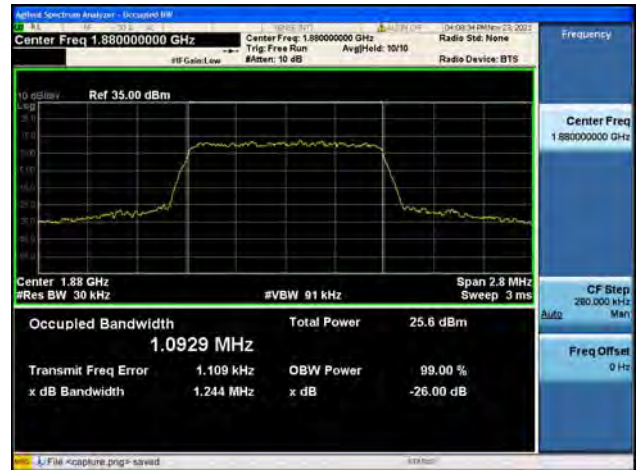
Band2 / 1.4MHz / Low CH / 16QAM



Band2 / 1.4MHz / Low CH / 64QAM



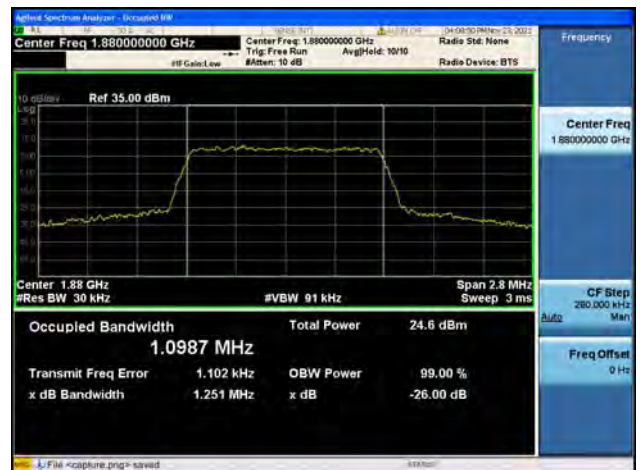
Band2 / 1.4MHz / Mid CH / QPSK



Band2 / 1.4MHz / Mid CH / 16QAM

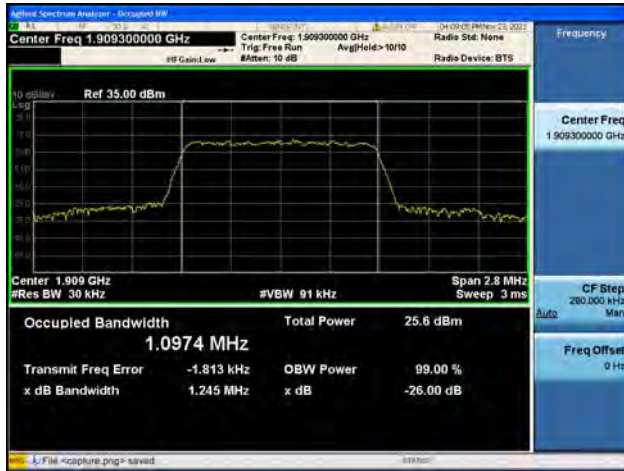


Band2 / 1.4MHz / Mid CH / 64QAM

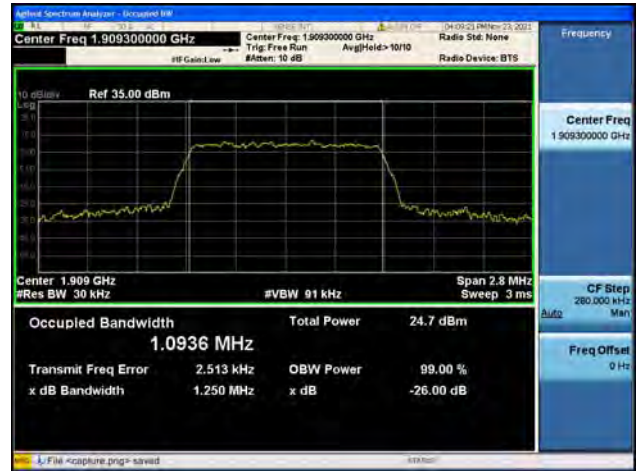




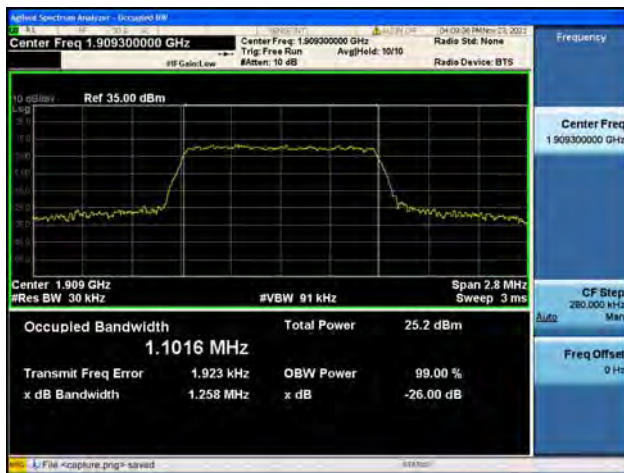
Band2 / 1.4MHz / High CH / QPSK



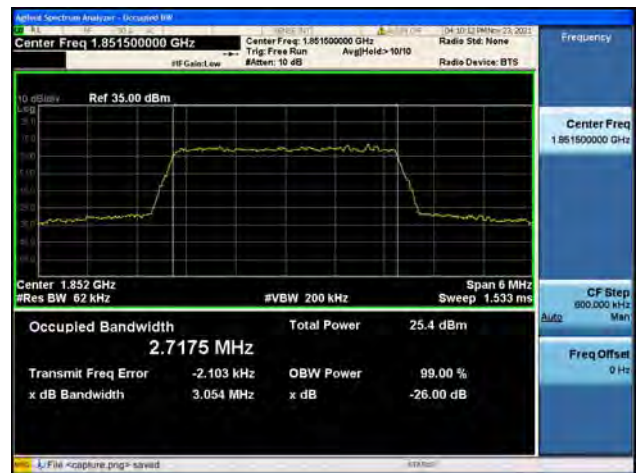
Band2 / 1.4MHz / High CH / 16QAM



Band2 / 1.4MHz / High CH / 64QAM



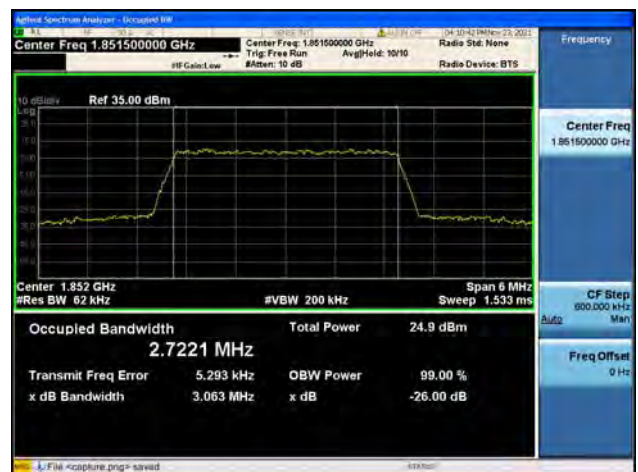
Band2 / 3MHz / Low CH / QPSK



Band2 / 3MHz / Low CH / 16QAM

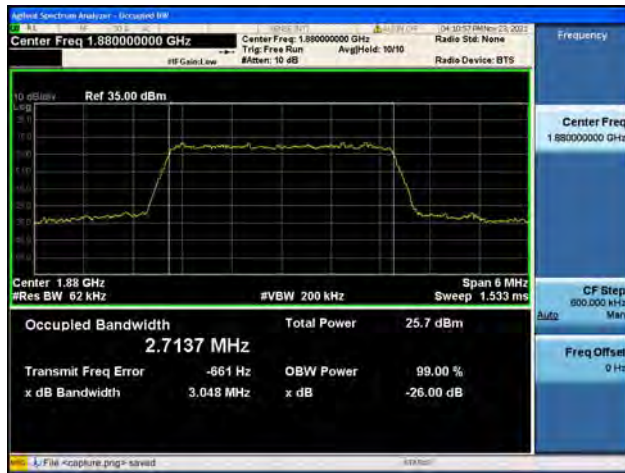


Band2 / 3MHz / Low CH / 64QAM

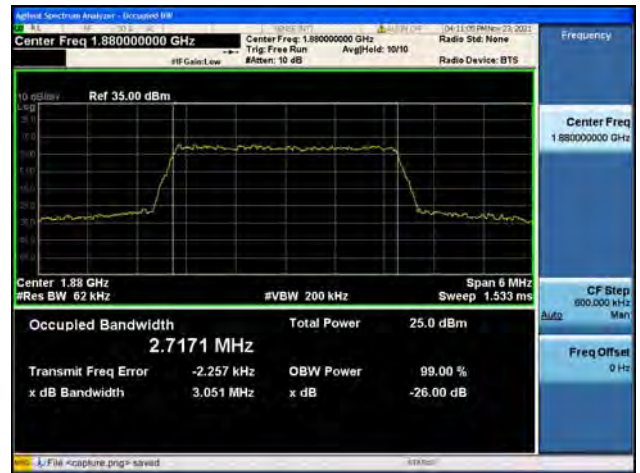




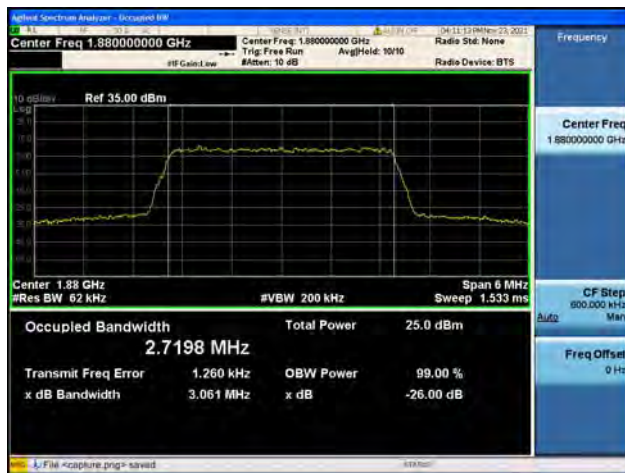
Band2 / 3MHz / Mid CH / QPSK



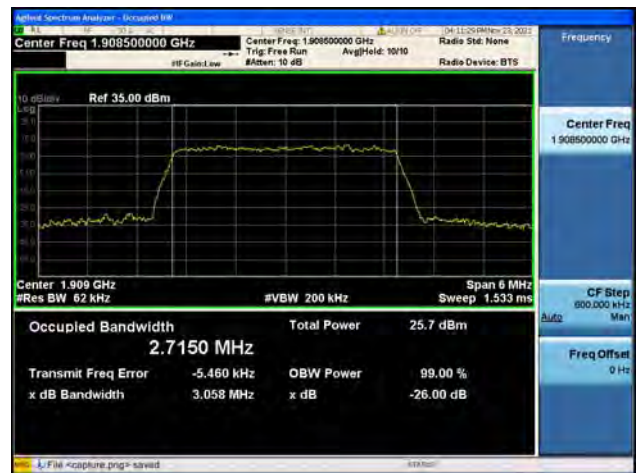
Band2 / 3MHz / Mid CH / 16QAM



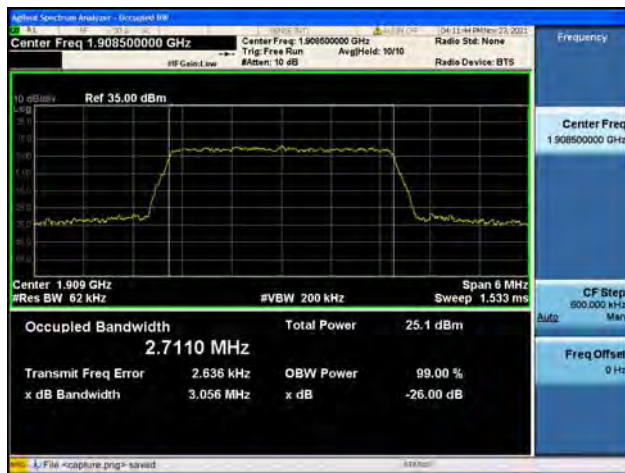
Band2 / 3MHz / Mid CH / 64QAM



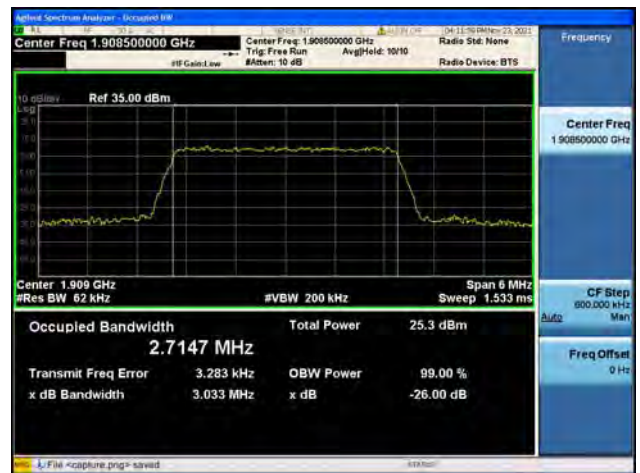
Band2 / 3MHz / High CH / QPSK



Band2 / 3MHz / High CH / 16QAM



Band2 / 3MHz / High CH / 64QAM







Band2 / 5MHz / Low CH / QPSK



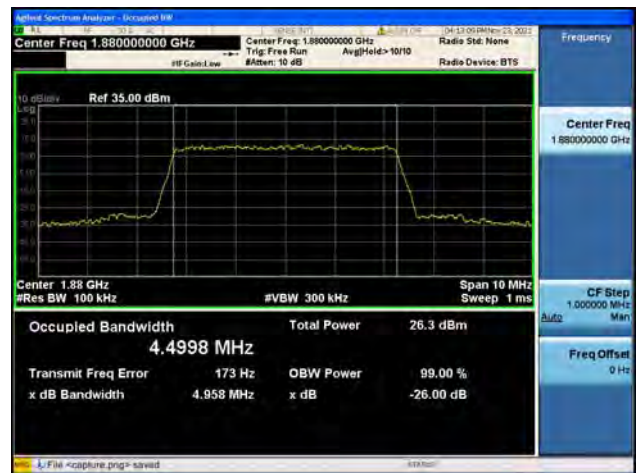
Band2 / 5MHz / Low CH / 16QAM



Band2 / 5MHz / Low CH / 64QAM



Band2 / 5MHz / Mid CH / QPSK



Band2 / 5MHz / Mid CH / 16QAM

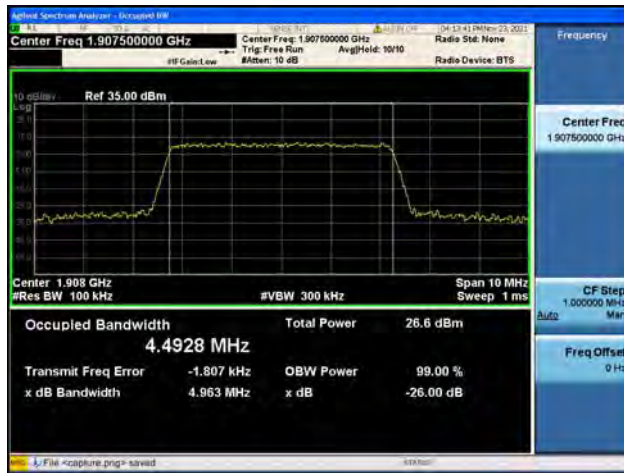


Band2 / 5MHz / Mid CH / 64QAM

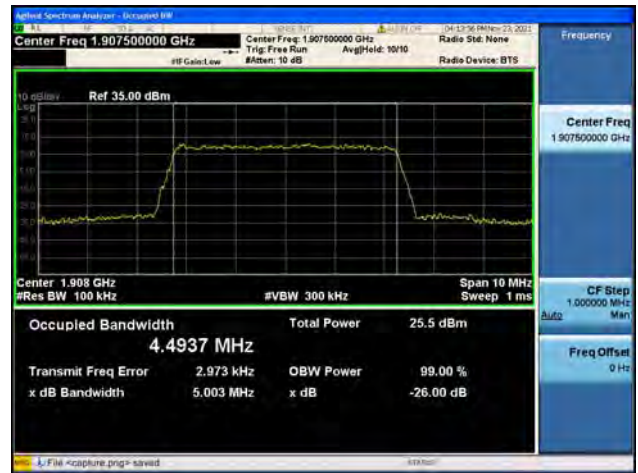




Band2 / 5MHz / High CH / QPSK



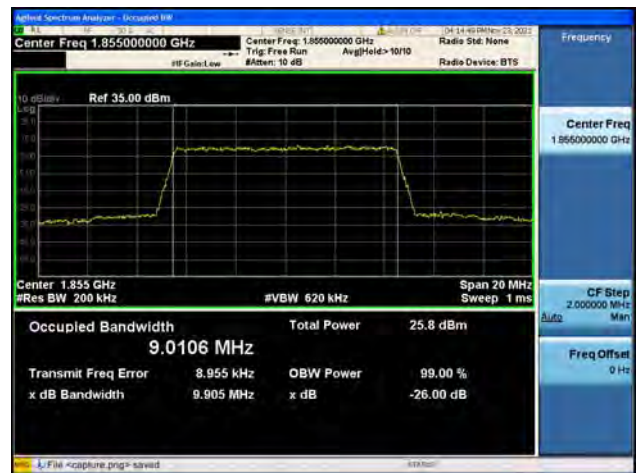
Band2 / 5MHz / High CH / 16QAM



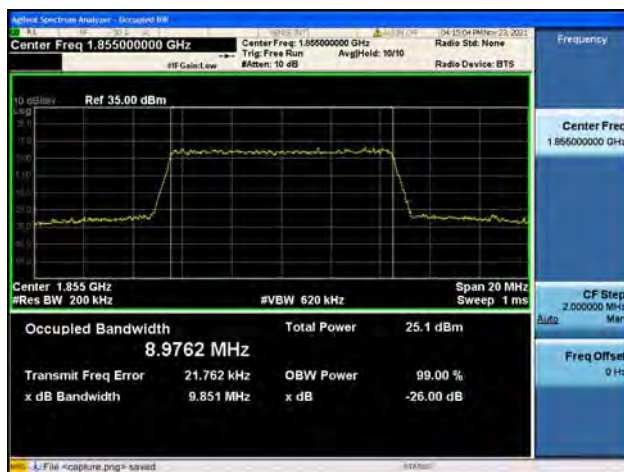
Band2 / 5MHz / High CH / 64QAM



Band2 / 10MHz / Low CH / QPSK



Band2 / 10MHz / Low CH / 16QAM

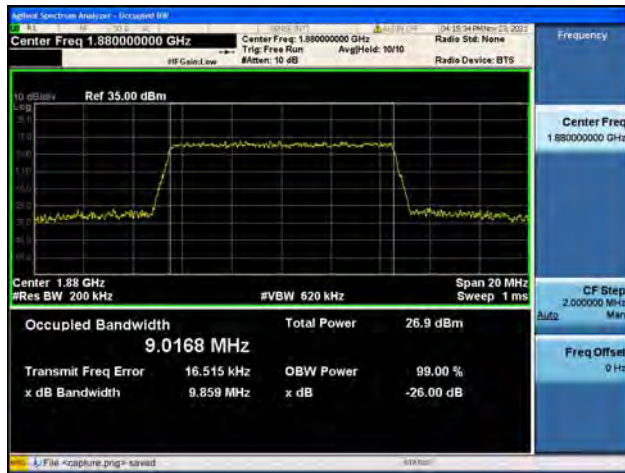


Band2 / 10MHz / Low CH / 64QAM

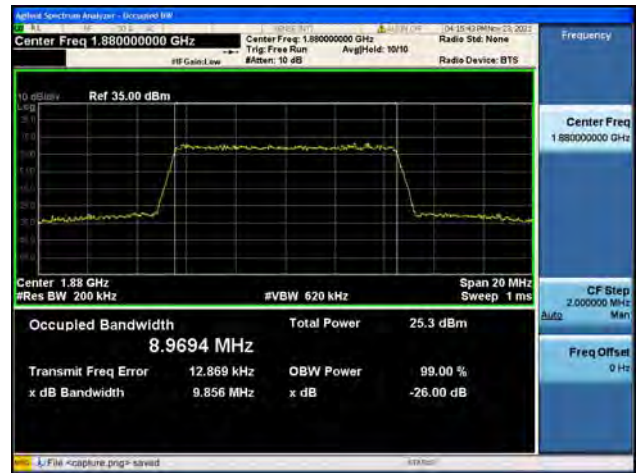




Band2 / 10MHz / Mid CH / QPSK



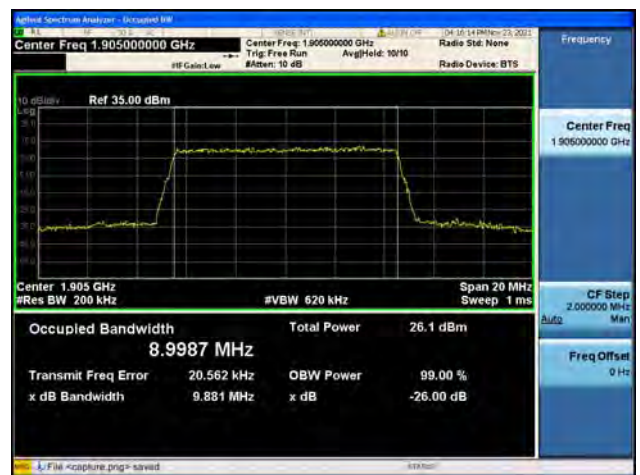
Band2 / 10MHz / Mid CH / 16QAM



Band2 / 10MHz / Mid CH / 64QAM



Band2 / 10MHz / High CH / QPSK



Band2 / 10MHz / High CH / 16QAM

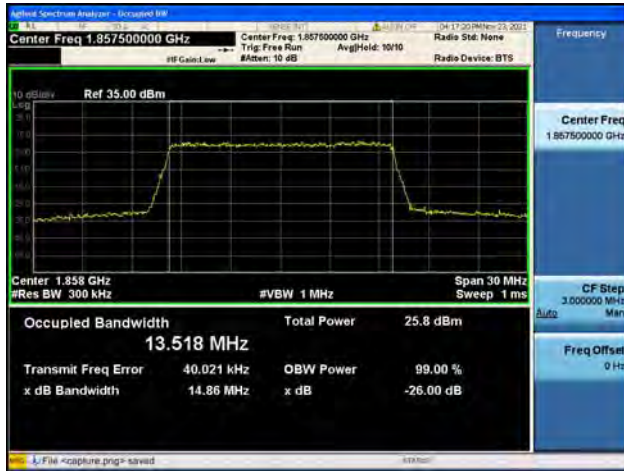


Band2 / 10MHz / High CH / 64QAM





Band2 / 15MHz / Low CH / QPSK



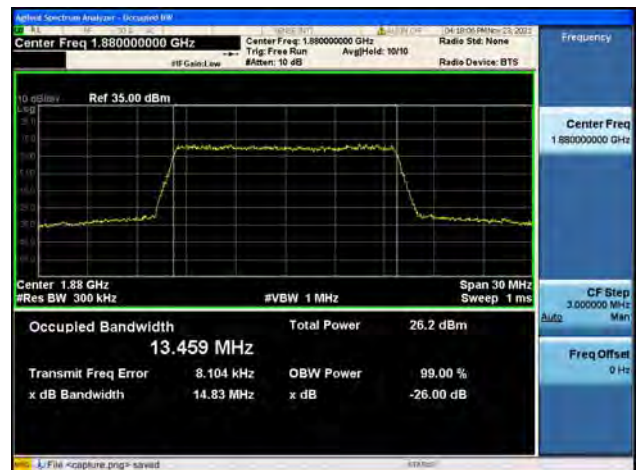
Band2 / 15MHz / Low CH / 16QAM



Band2 / 15MHz / Low CH / 64QAM



Band2 / 15MHz / Mid CH / QPSK



Band2 / 15MHz / Mid CH / 16QAM

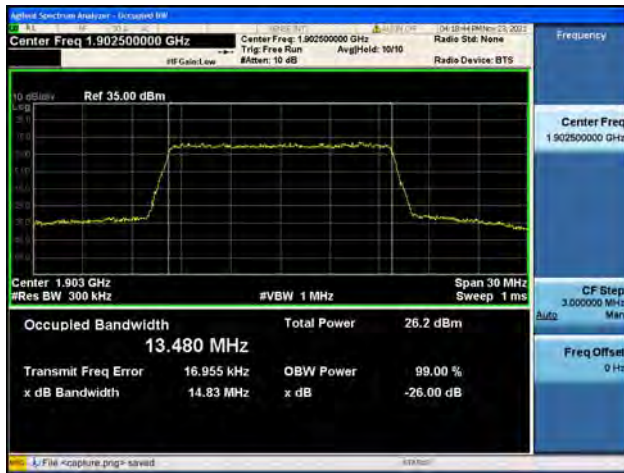


Band2 / 15MHz / Mid CH / 64QAM

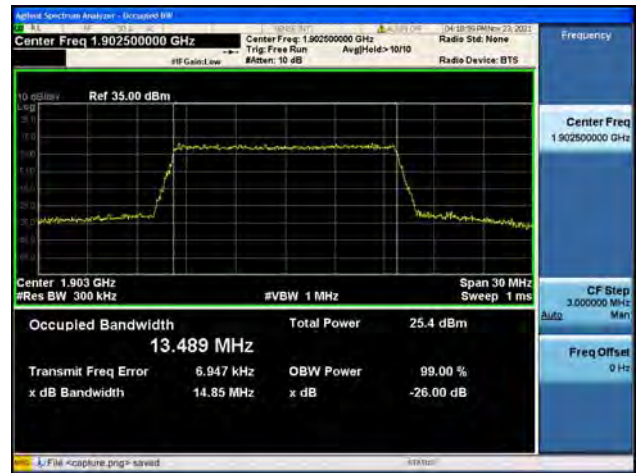




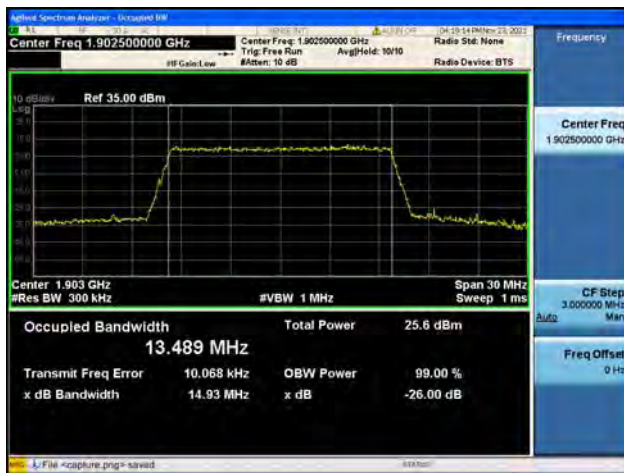
Band2 / 15MHz / High CH / QPSK



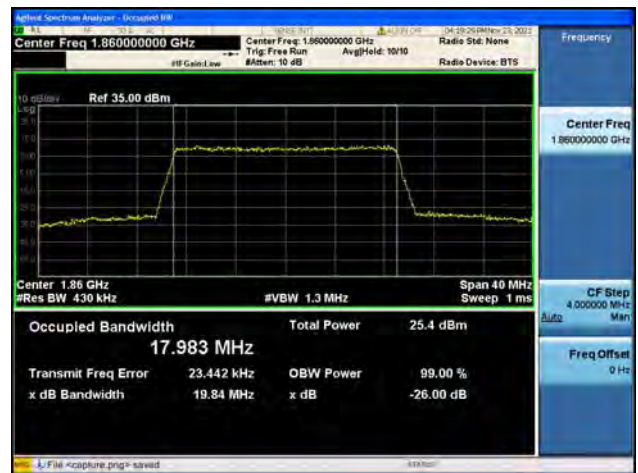
Band2 / 15MHz / High CH / 16QAM



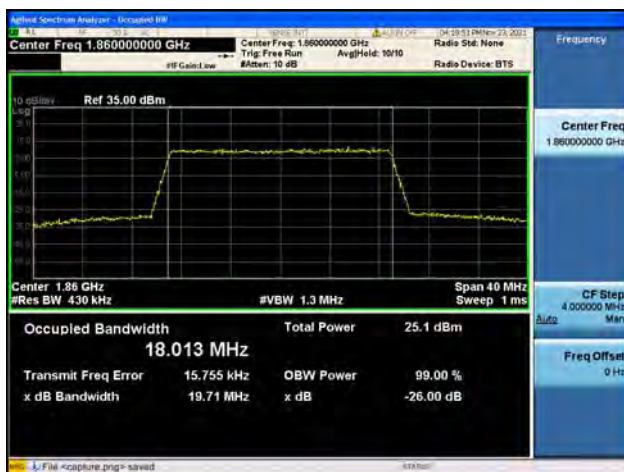
Band2 / 15MHz / High CH / 64QAM



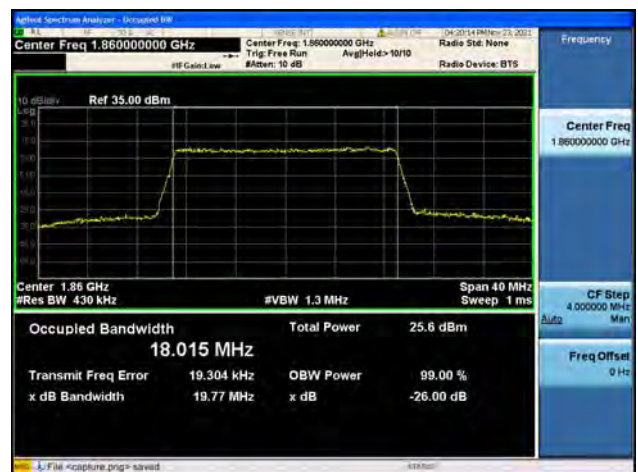
Band2 / 20MHz / Low CH / QPSK



Band2 / 20MHz / Low CH / 16QAM

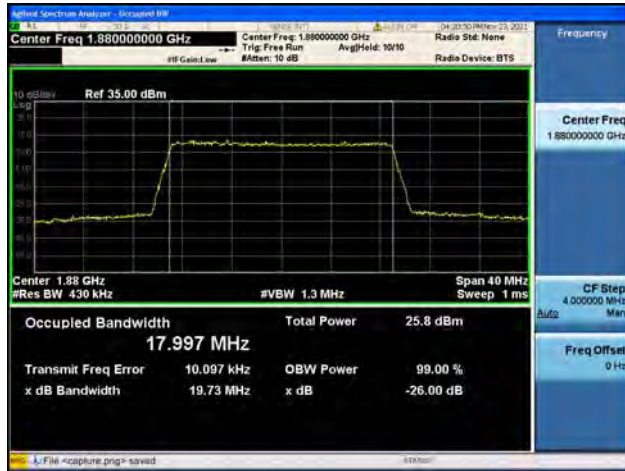


Band2 / 20MHz / Low CH / 64QAM





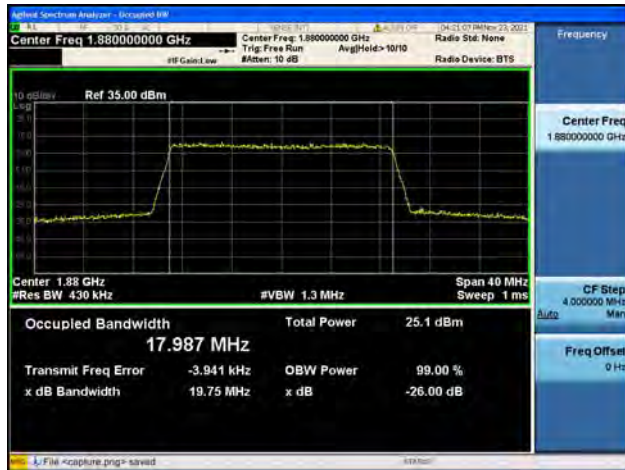
Band2 / 20MHz / Mid CH / QPSK



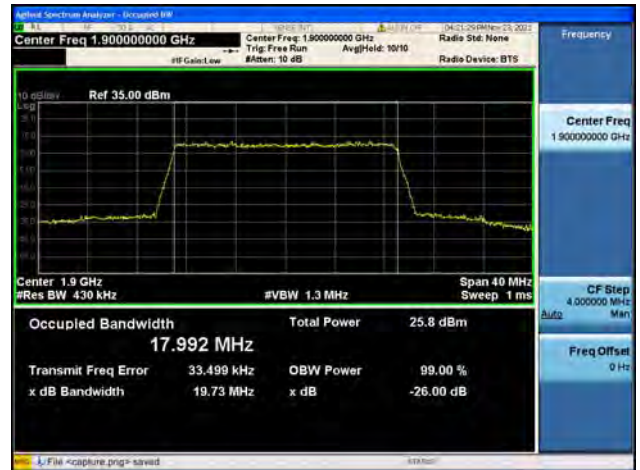
Band2 / 20MHz / Mid CH / 16QAM



Band2 / 20MHz / Mid CH / 64QAM



Band2 / 20MHz / High CH / QPSK



Band2 / 20MHz / High CH / 16QAM



Band2 / 20MHz / High CH / 64QAM





Band4 / 1.4MHz / Low CH / QPSK



Band4 / 1.4MHz / Low CH / 16QAM



Band4 / 1.4MHz / Low CH / 64QAM



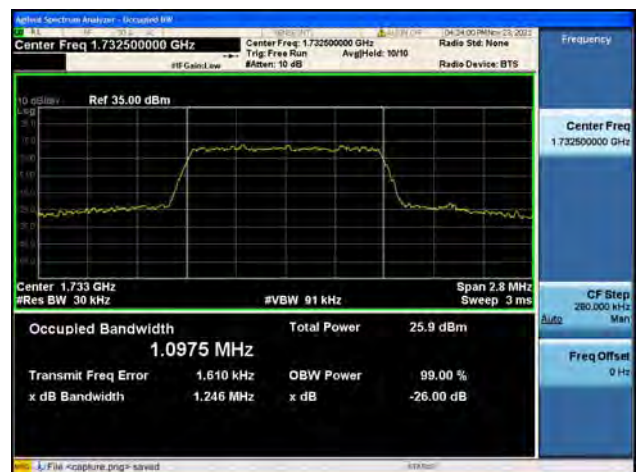
Band4 / 1.4MHz / Mid CH / QPSK



Band4 / 1.4MHz / Mid CH / 16QAM

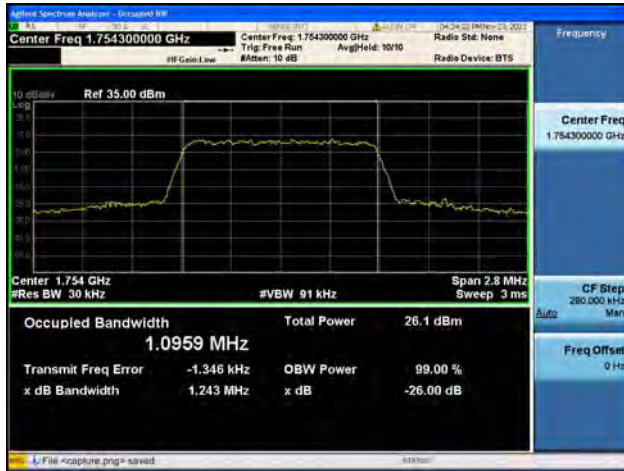


Band4 / 1.4MHz / Mid CH / 64QAM

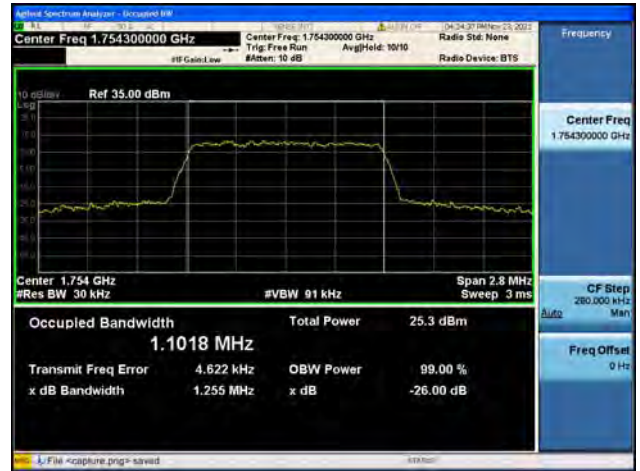




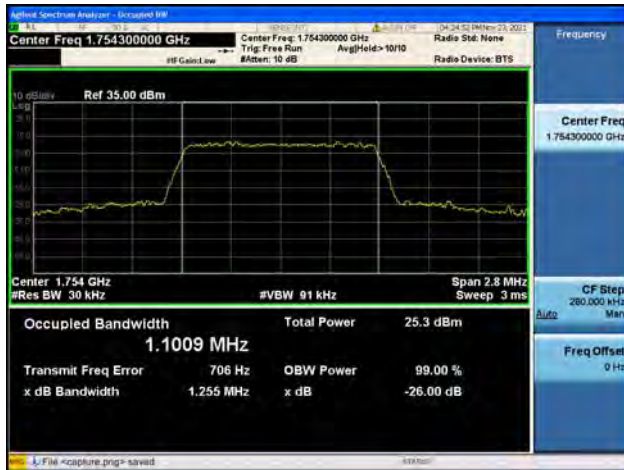
Band4 / 1.4MHz / High CH / QPSK



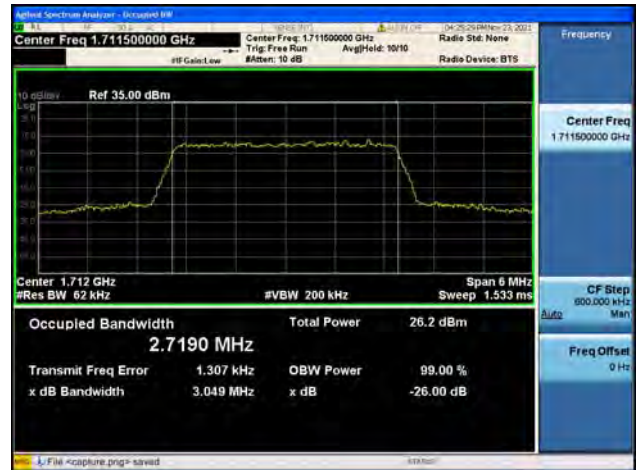
Band4 / 1.4MHz / High CH / 16QAM



Band4 / 1.4MHz / High CH / 64QAM



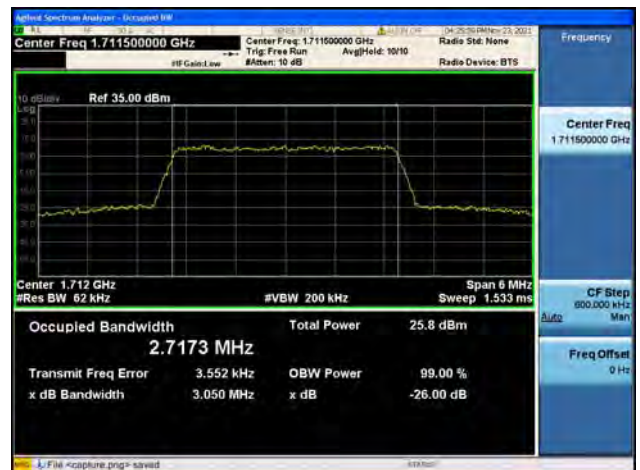
Band4 / 3MHz / Low CH / QPSK



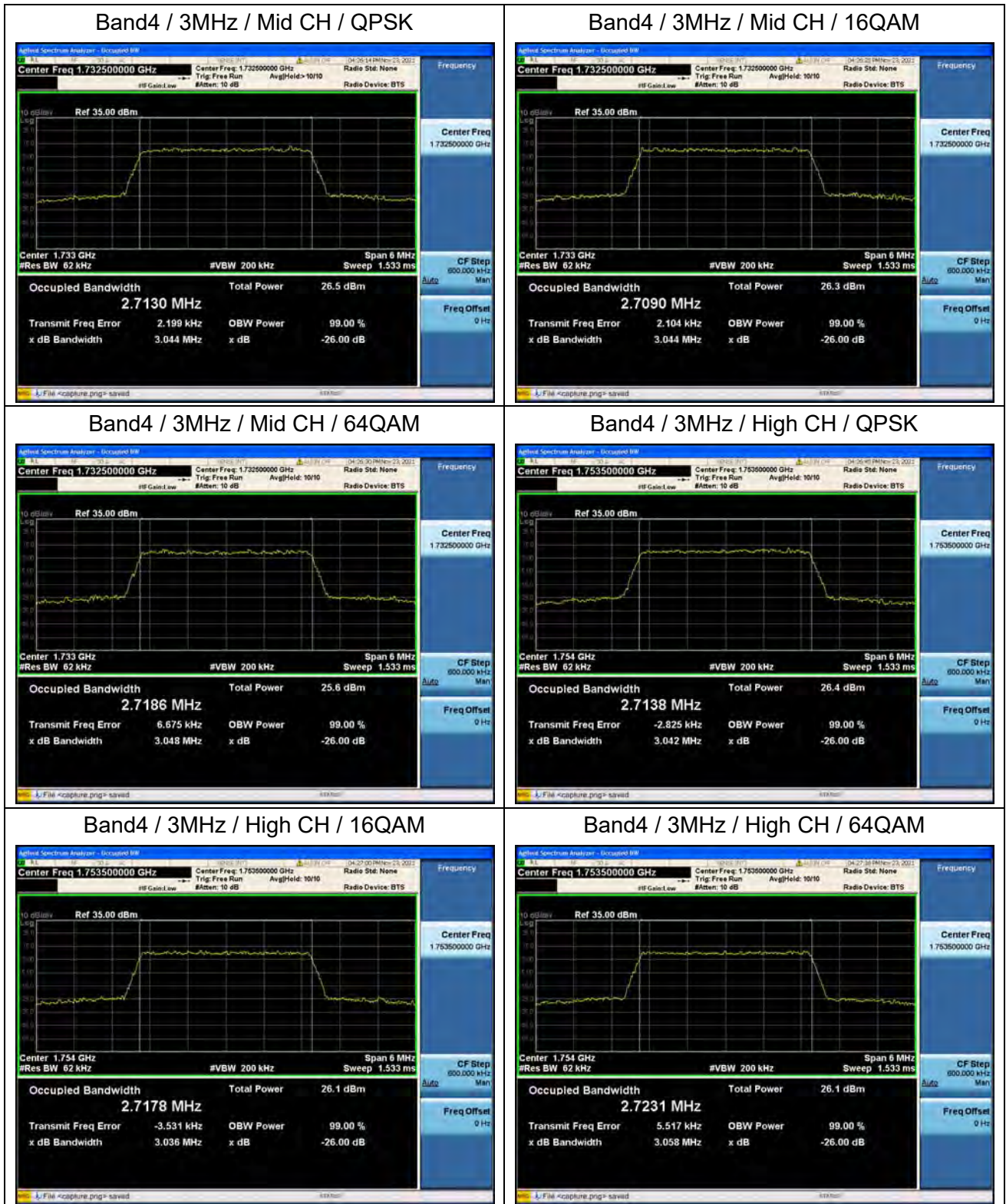
Band4 / 3MHz / Low CH / 16QAM



Band4 / 3MHz / Low CH / 64QAM









Band4 / 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

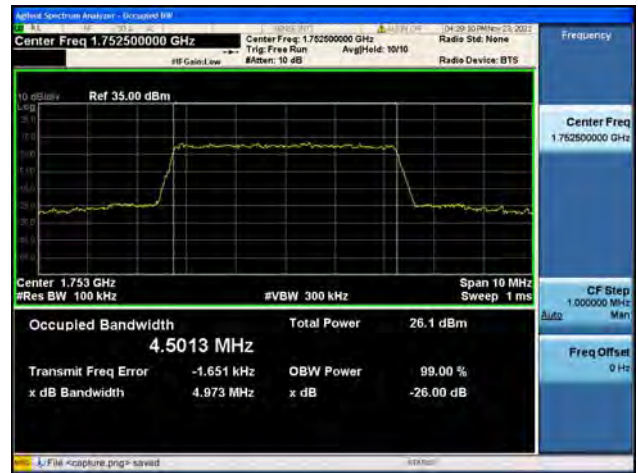




Band4 / 5MHz / High CH / QPSK



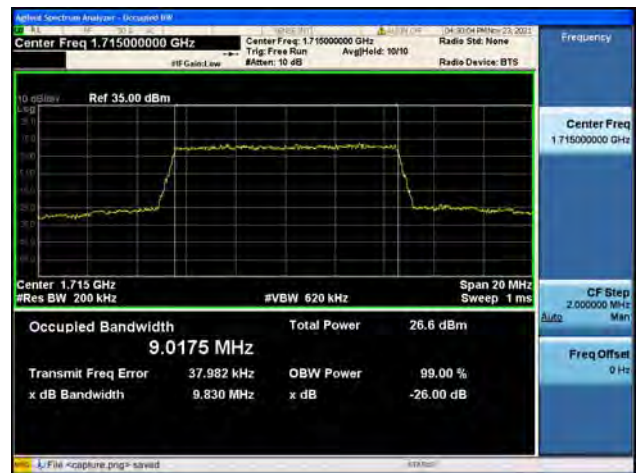
Band4 / 5MHz / High CH / 16QAM



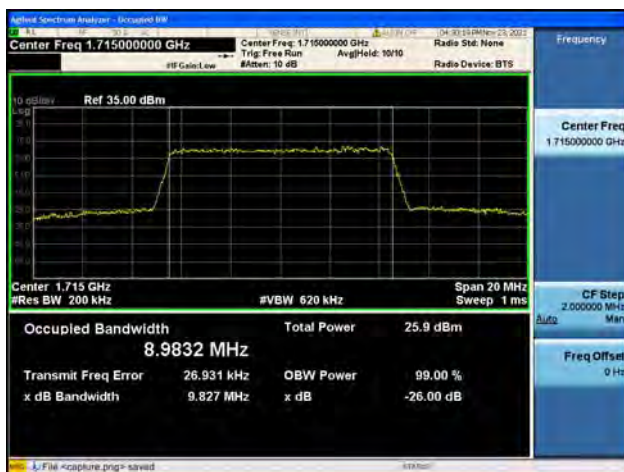
Band4 / 5MHz / High CH / 64QAM



Band4 / 10MHz / Low CH / QPSK



Band4 / 10MHz / Low CH / 16QAM

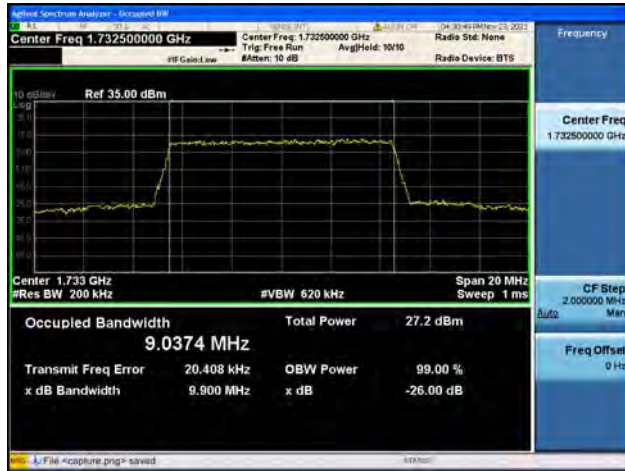


Band4 / 10MHz / Low CH / 64QAM





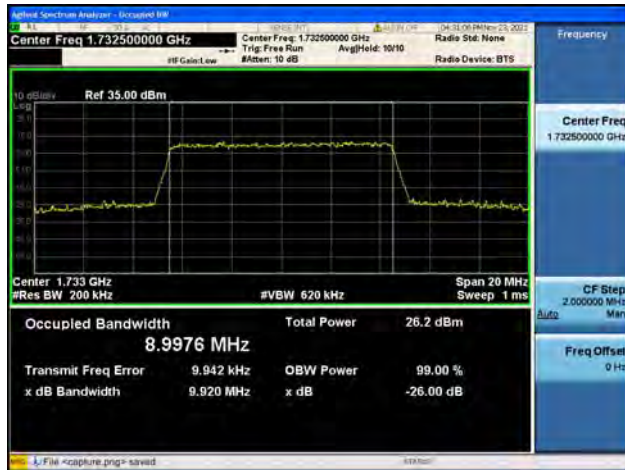
Band4 / 10MHz / Mid CH / QPSK



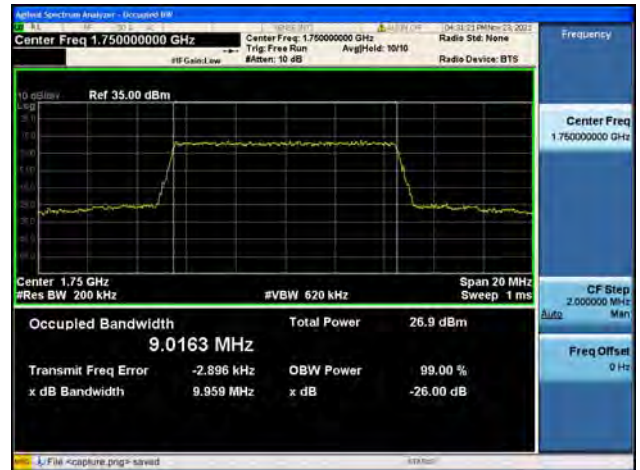
Band4 / 10MHz / Mid CH / 16QAM



Band4 / 10MHz / Mid CH / 64QAM



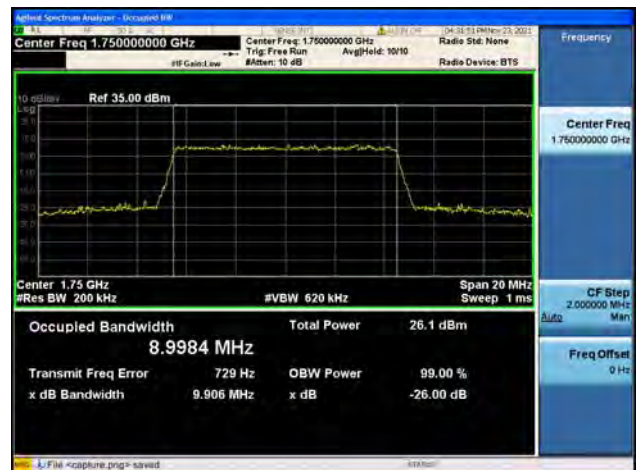
Band4 / 10MHz / High CH / QPSK



Band4 / 10MHz / High CH / 16QAM

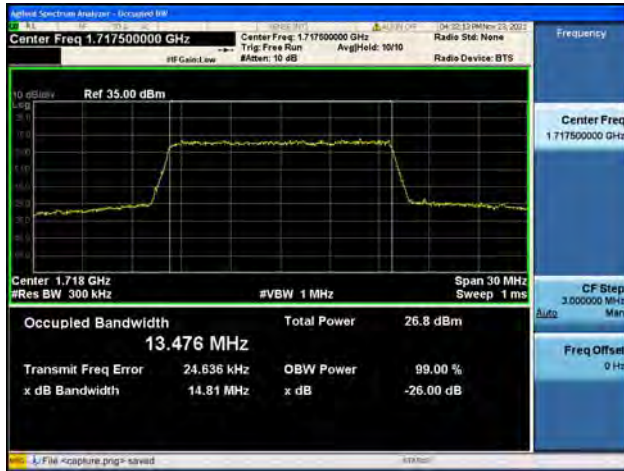


Band4 / 10MHz / High CH / 64QAM

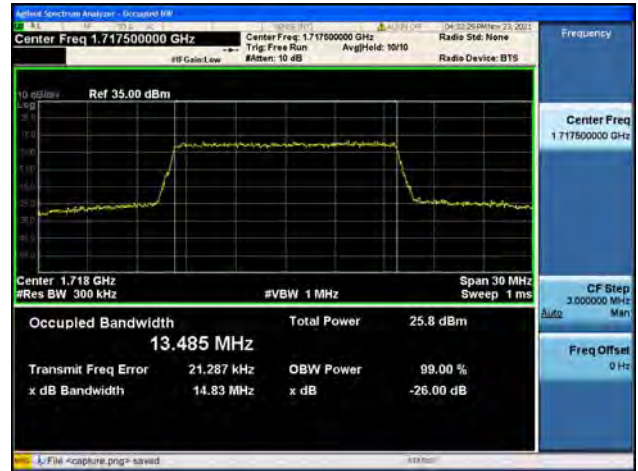




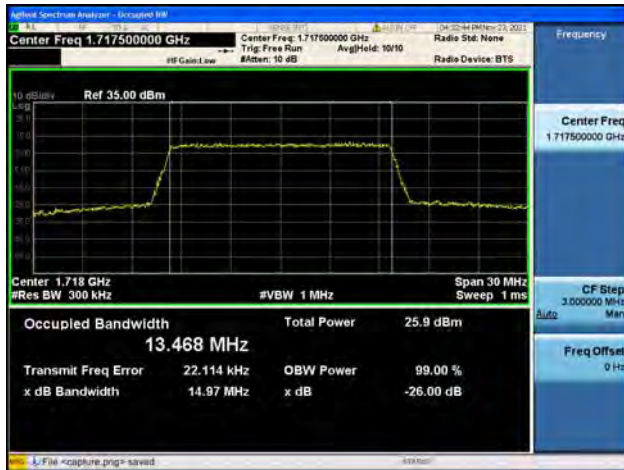
Band4 / 15MHz / Low CH / QPSK



Band4 / 15MHz / Low CH / 16QAM



Band4 / 15MHz / Low CH / 64QAM



Band4 / 15MHz / Mid CH / QPSK



Band4 / 15MHz / Mid CH / 16QAM

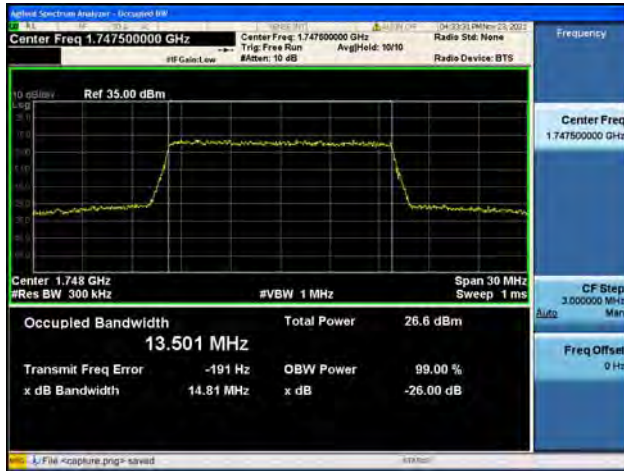


Band4 / 15MHz / Mid CH / 64QAM

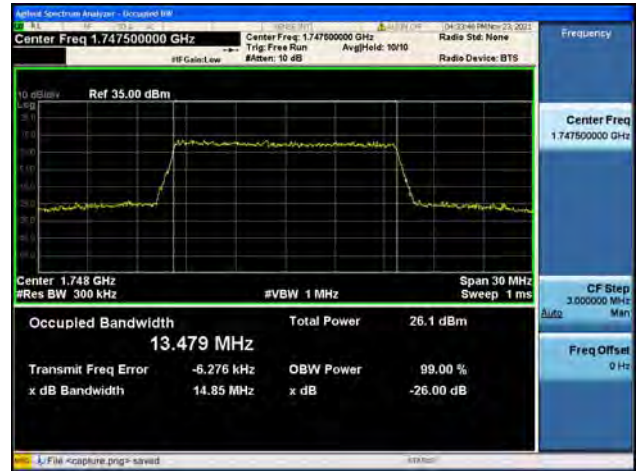




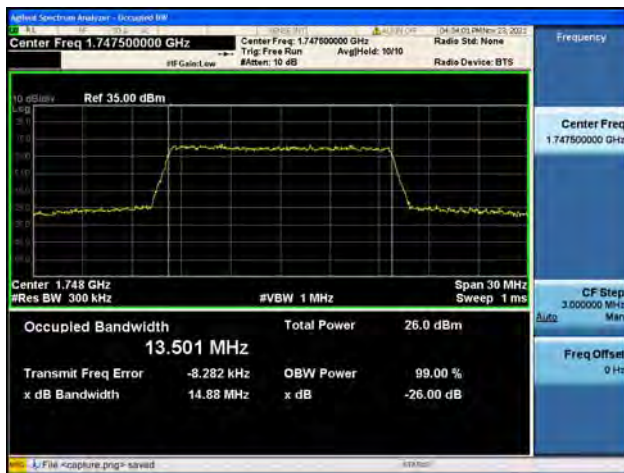
Band4 / 15MHz / High CH / QPSK



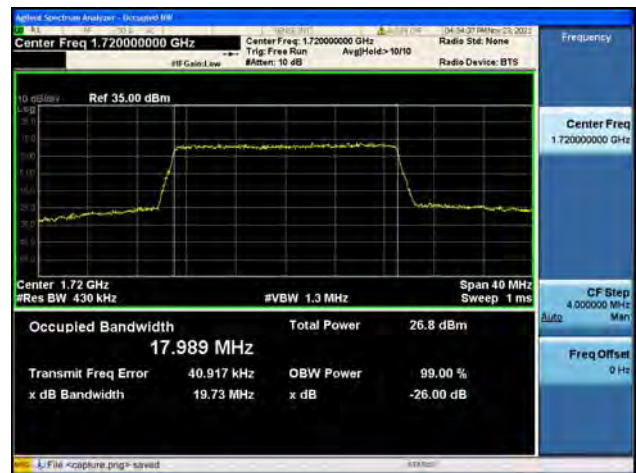
Band4 / 15MHz / High CH / 16QAM



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



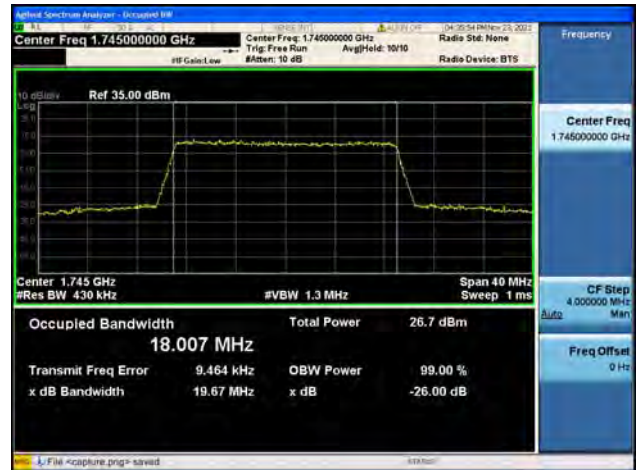
Band4 / 20MHz / Mid CH / 16QAM



Band4 / 20MHz / Mid CH / 64QAM



Band4 / 20MHz / High CH / QPSK



Band4 / 20MHz / High CH / 16QAM

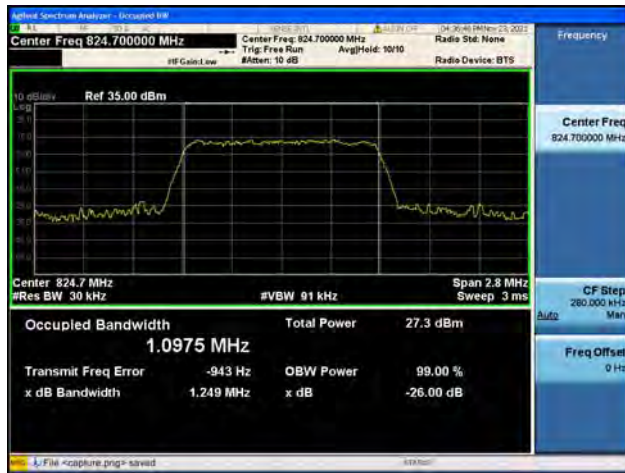


Band4 / 20MHz / High CH / 64QAM

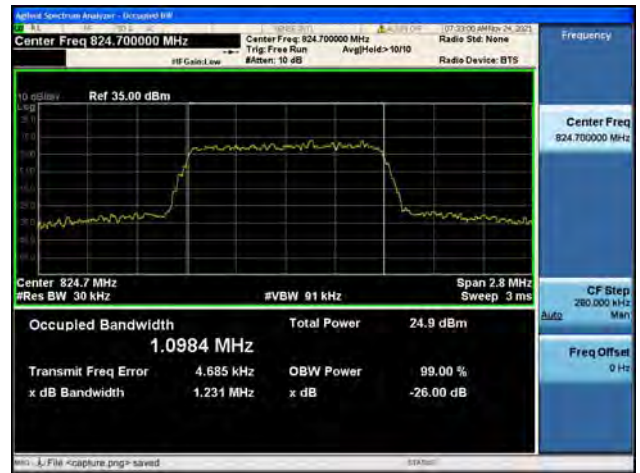




Band5 / 1.4MHz / Low CH / QPSK



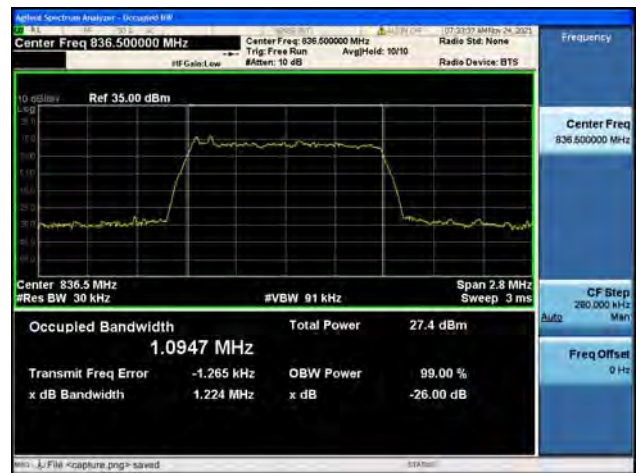
Band5 / 1.4MHz / Low CH / 16QAM



Band5 / 1.4MHz / Low CH / 64QAM



Band5 / 1.4MHz / Mid CH / QPSK



Band5 / 1.4MHz / Mid CH / 16QAM



Band5 / 1.4MHz / Mid CH / 64QAM



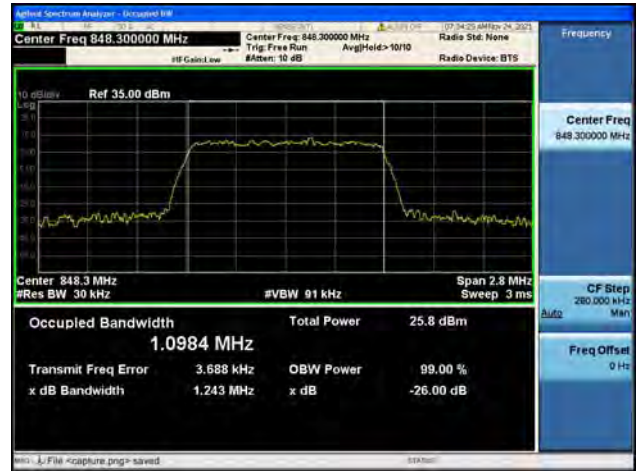




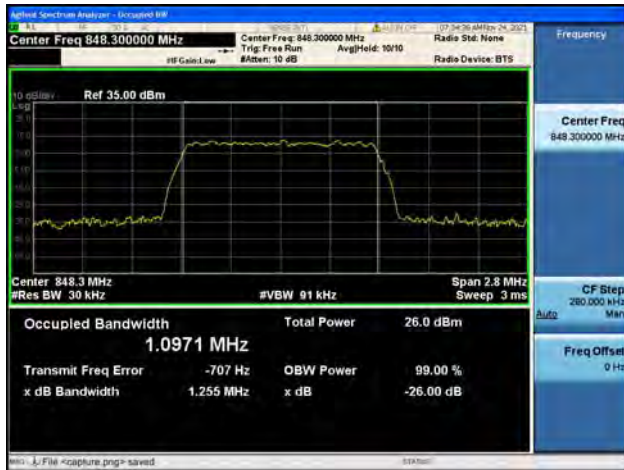
Band5 / 1.4MHz / High CH / QPSK



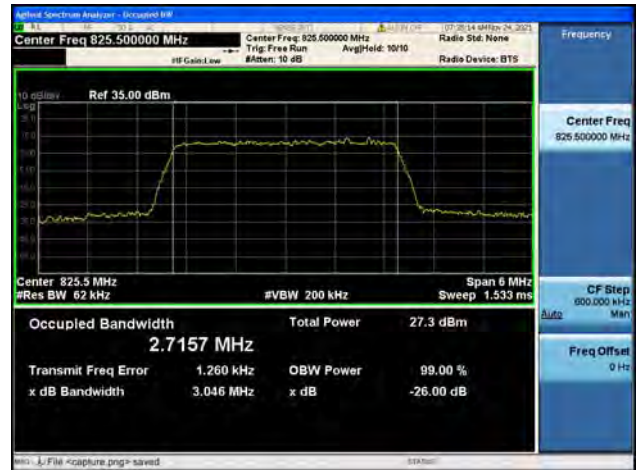
Band5 / 1.4MHz / High CH / 16QAM



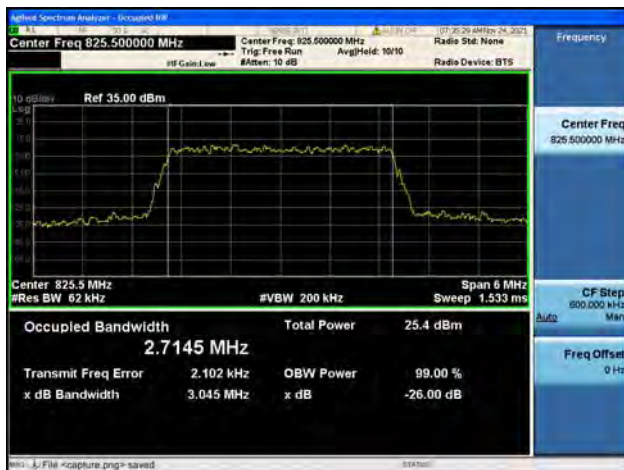
Band5 / 1.4MHz / High CH / 64QAM



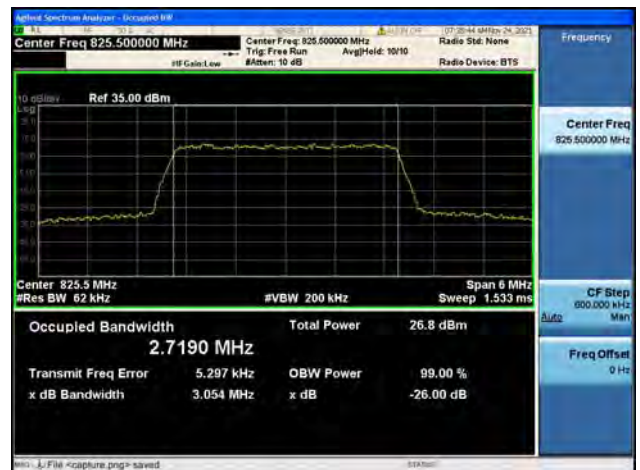
Band5 / 3MHz / Low CH / QPSK



Band5 / 3MHz / Low CH / 16QAM

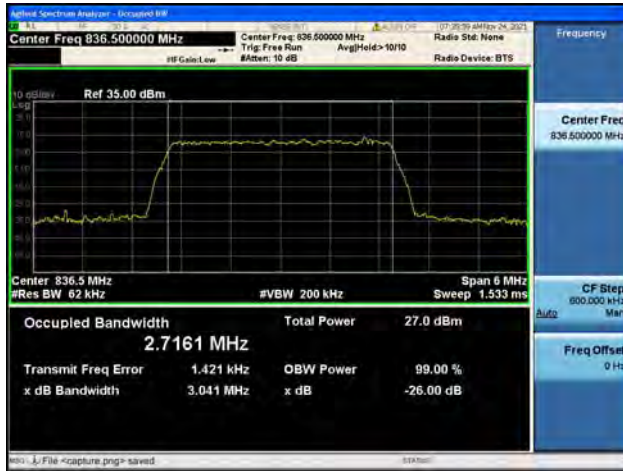


Band5 / 3MHz / Low CH / 64QAM





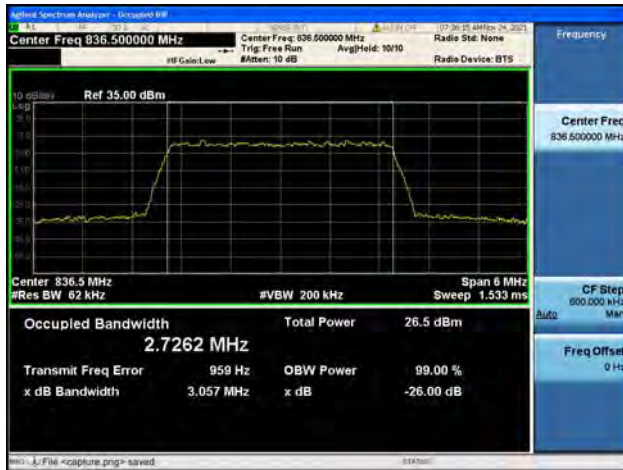
Band5 / 3MHz / Mid CH / QPSK



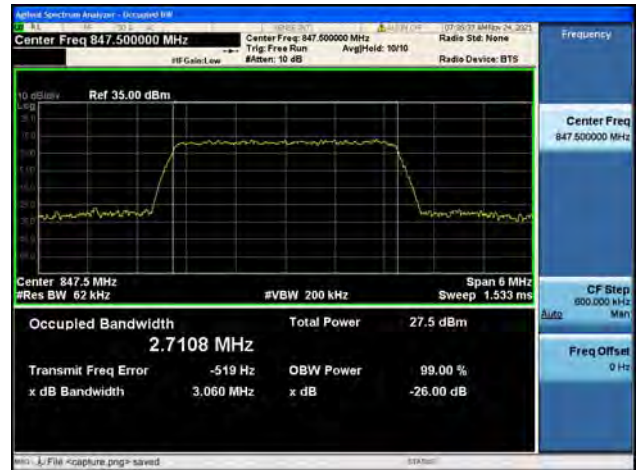
Band5 / 3MHz / Mid CH / 16QAM



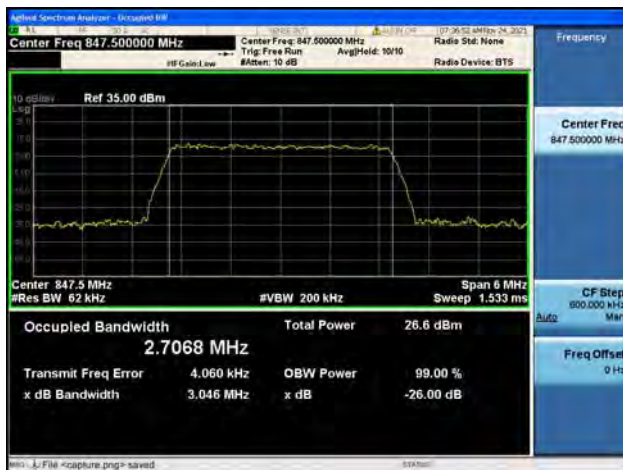
Band5 / 3MHz / Mid CH / 64QAM



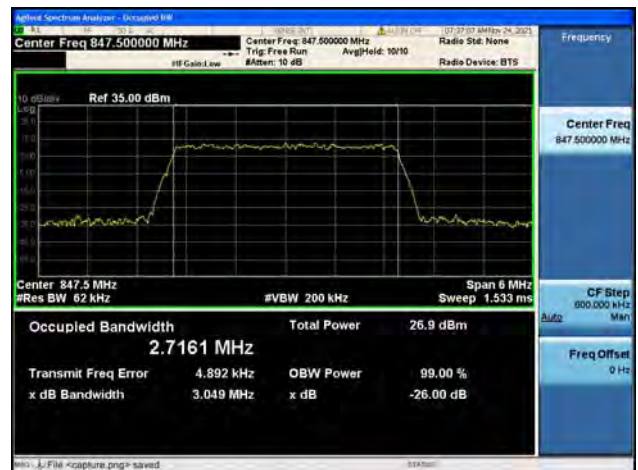
Band5 / 3MHz / High CH / QPSK



Band5 / 3MHz / High CH / 16QAM

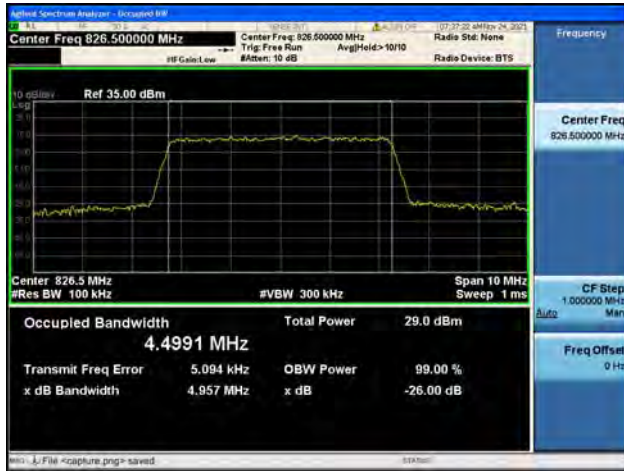


Band5 / 3MHz / High CH / 64QAM





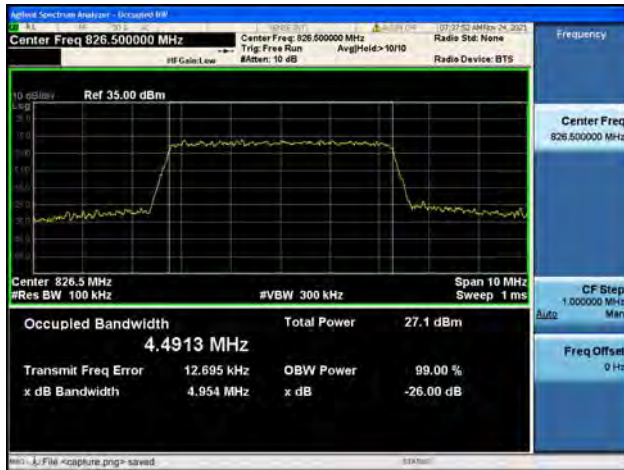
Band5 / 5MHz / Low CH / QPSK



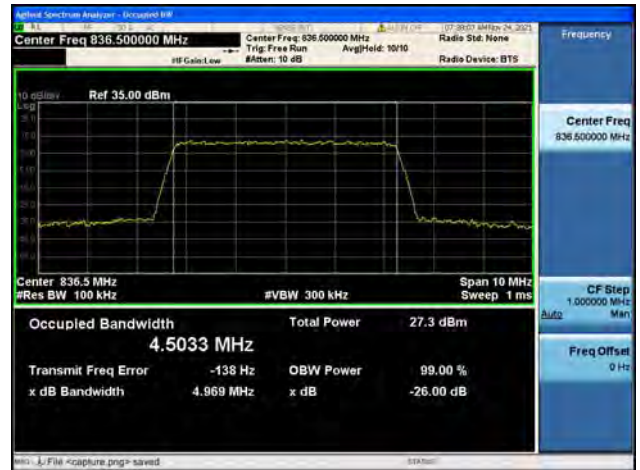
Band5 / 5MHz / Low CH / 16QAM



Band5 / 5MHz / Low CH / 64QAM



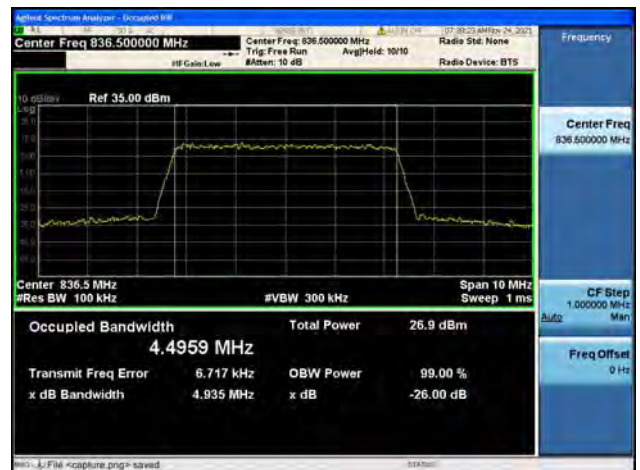
Band5 / 5MHz / Mid CH / QPSK



Band5 / 5MHz / Mid CH / 16QAM

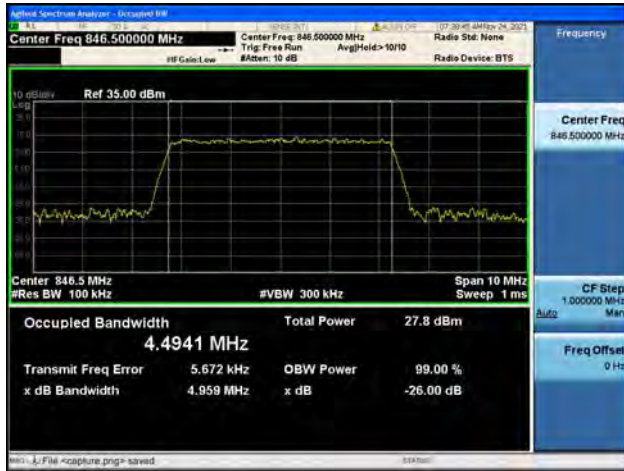


Band5 / 5MHz / Mid CH / 64QAM





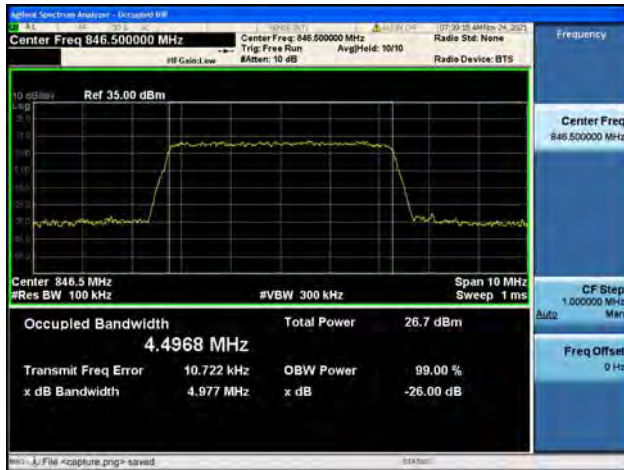
Band5 / 5MHz / High CH / QPSK



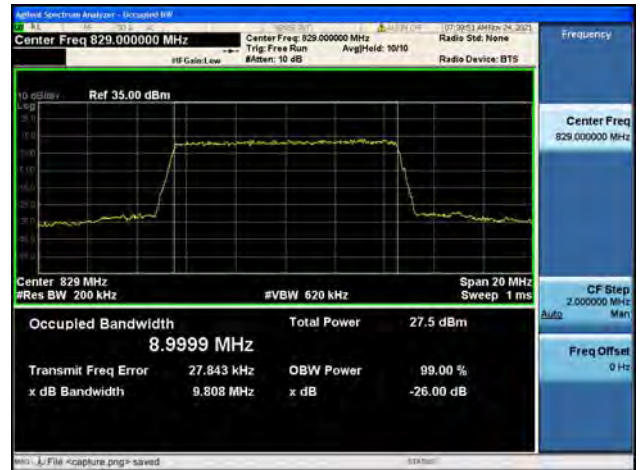
Band5 / 5MHz / High CH / 16QAM



Band5 / 5MHz / High CH / 64QAM



Band5 / 10MHz / Low CH / QPSK



Band5 / 10MHz / Low CH / 16QAM

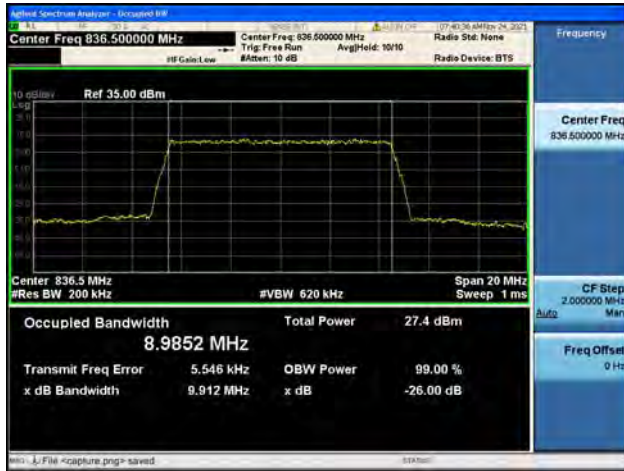


Band5 / 10MHz / Low CH / 64QAM

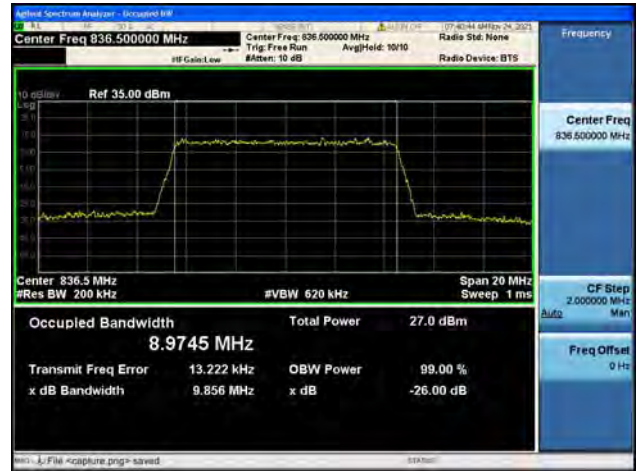




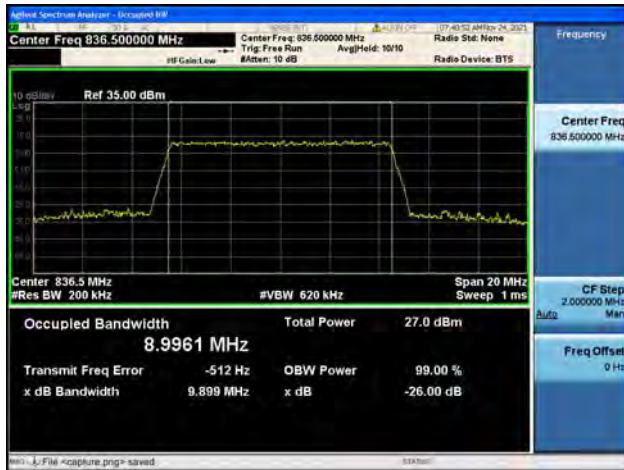
Band5 / 10MHz / Mid CH / QPSK



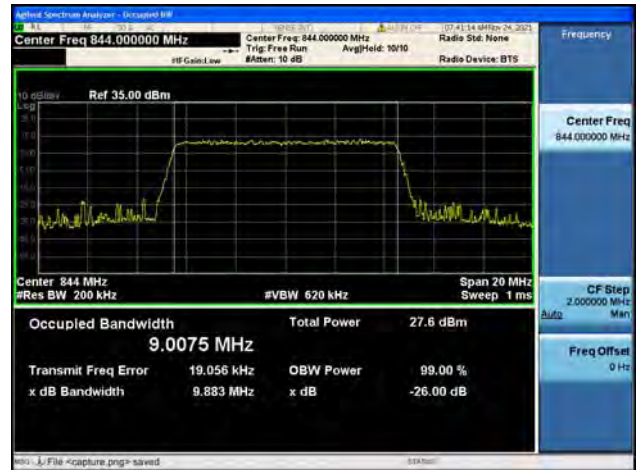
Band5 / 10MHz / Mid CH / 16QAM



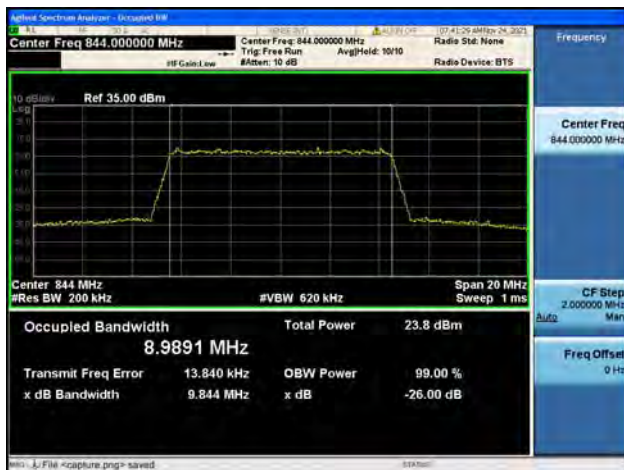
Band5 / 10MHz / Mid CH / 64QAM



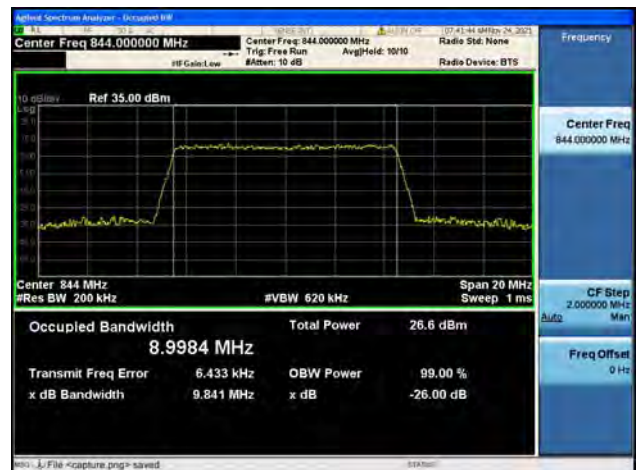
Band5 / 10MHz / High CH / QPSK



Band5 / 10MHz / High CH / 16QAM



Band5 / 10MHz / High CH / 64QAM

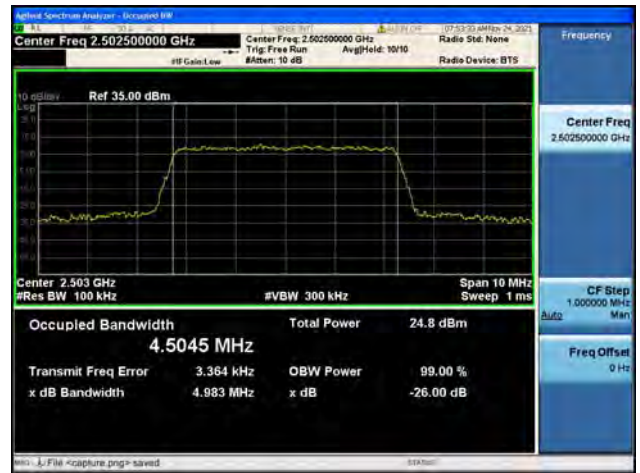




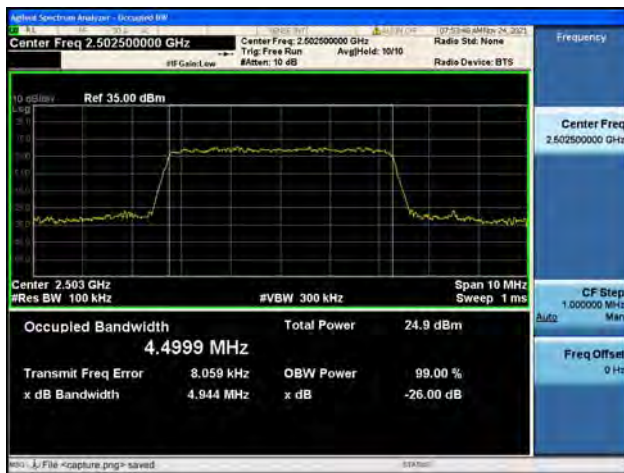
Band7 / 5MHz / Low CH / QPSK



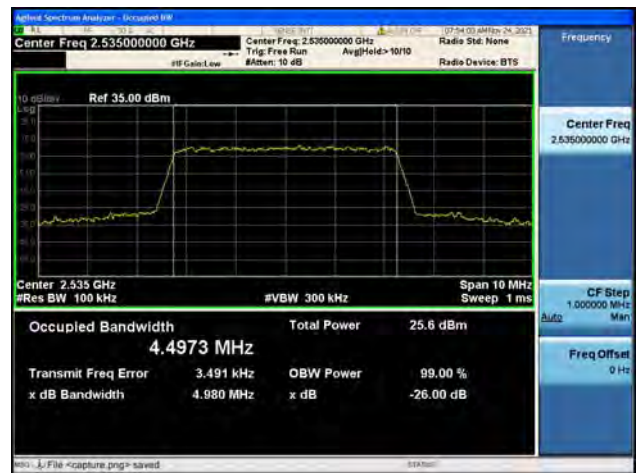
Band7 / 5MHz / Low CH / 16QAM



Band7 / 5MHz / Low CH / 64QAM



Band7 / 5MHz / Mid CH / QPSK



Band7 / 5MHz / Mid CH / 16QAM

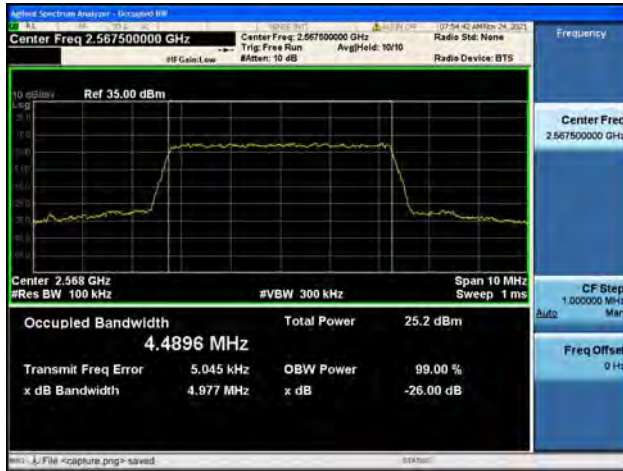


Band7 / 5MHz / Mid CH / 64QAM

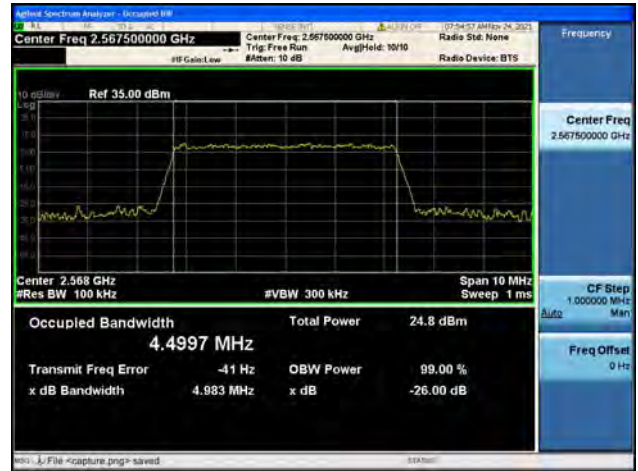




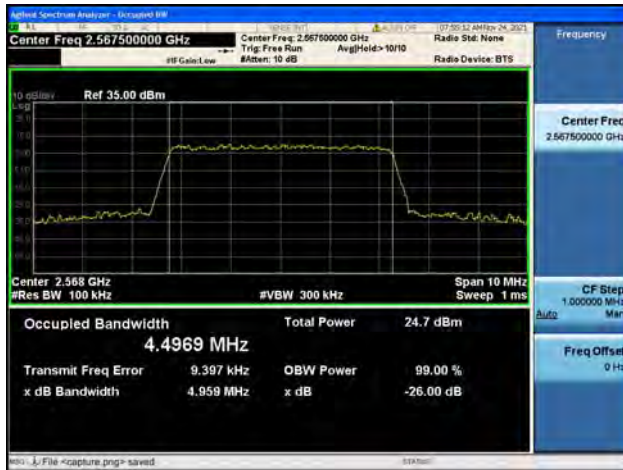
Band7 / 5MHz / High CH / QPSK



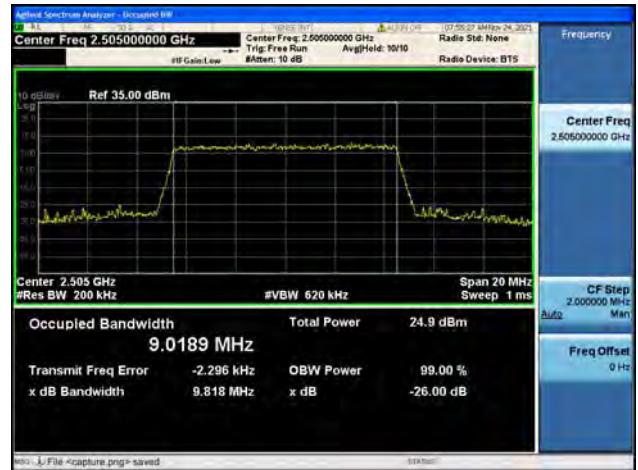
Band7 / 5MHz / High CH / 16QAM



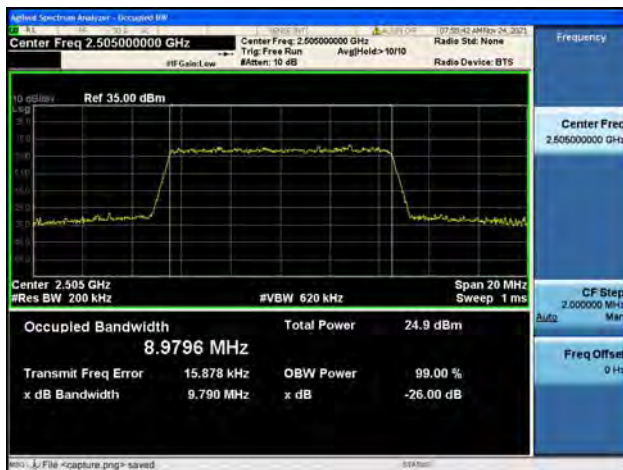
Band7 / 5MHz / High CH / 64QAM



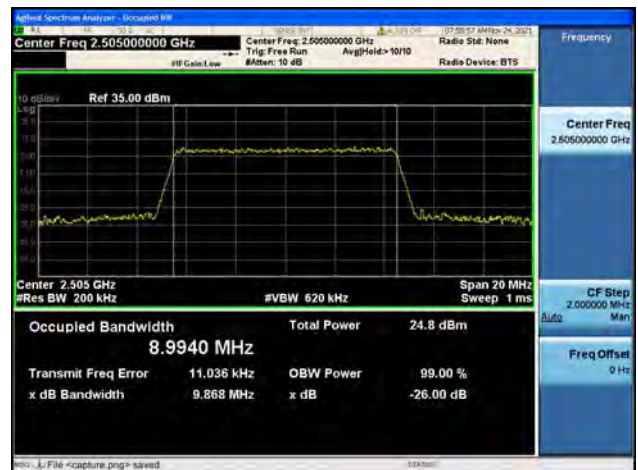
Band7 / 10MHz / Low CH / QPSK



Band7 / 10MHz / Low CH / 16QAM

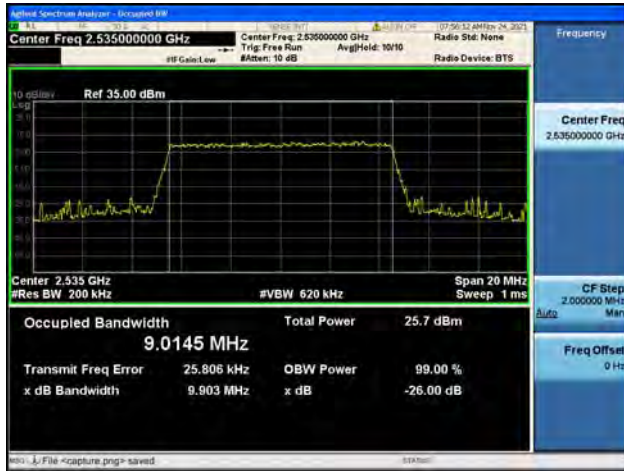


Band7 / 10MHz / Low CH / 64QAM





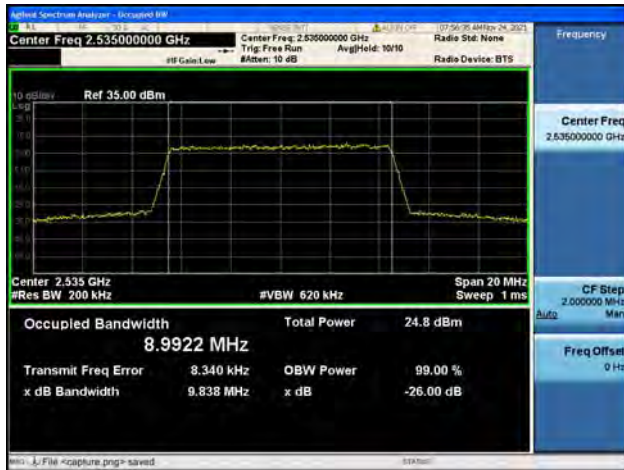
Band7 / 10MHz / Mid CH / QPSK



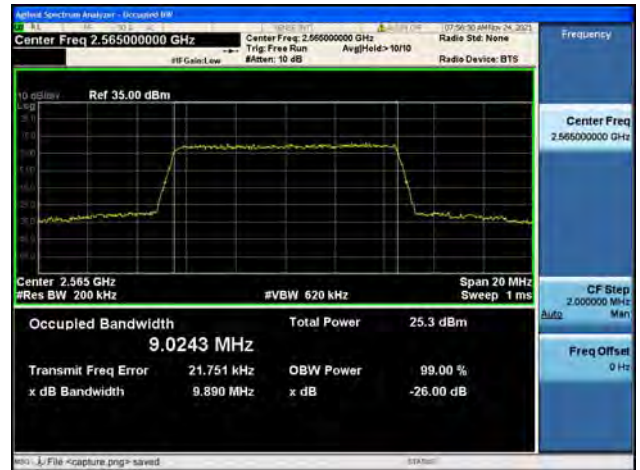
Band7 / 10MHz / Mid CH / 16QAM



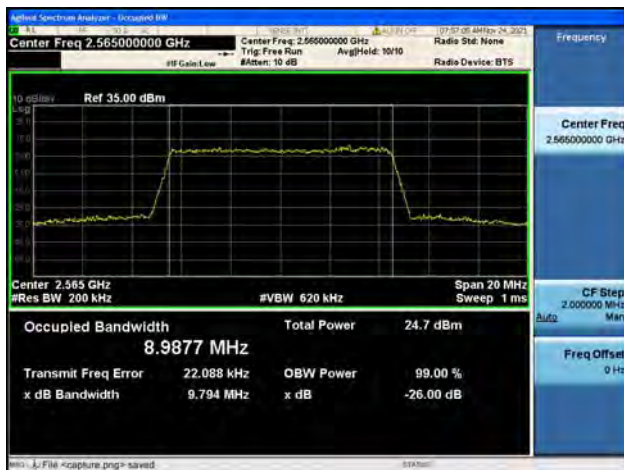
Band7 / 10MHz / Mid CH / 64QAM



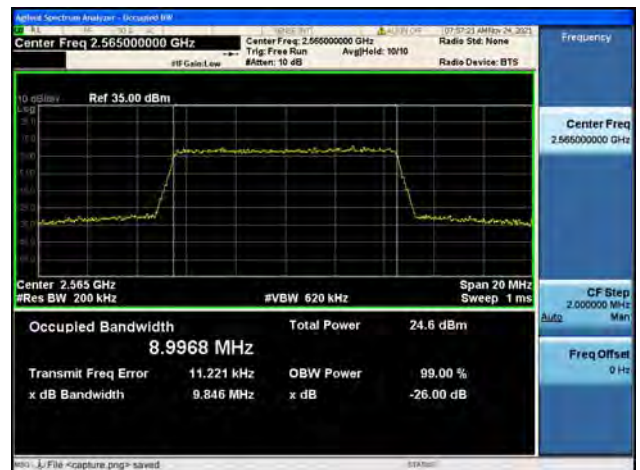
Band7 / 10MHz / High CH / QPSK



Band7 / 10MHz / High CH / 16QAM



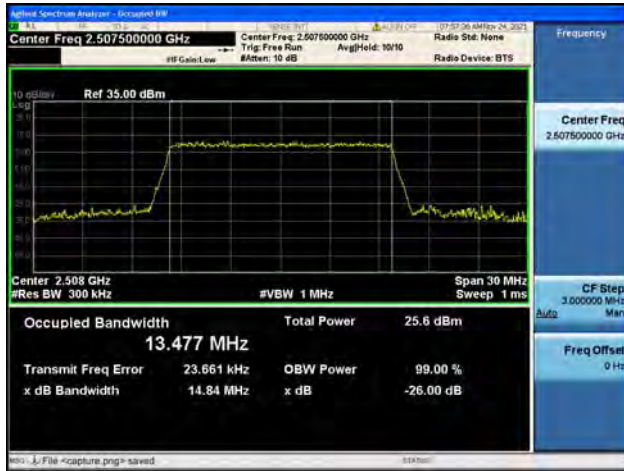
Band7 / 10MHz / High CH / 64QAM



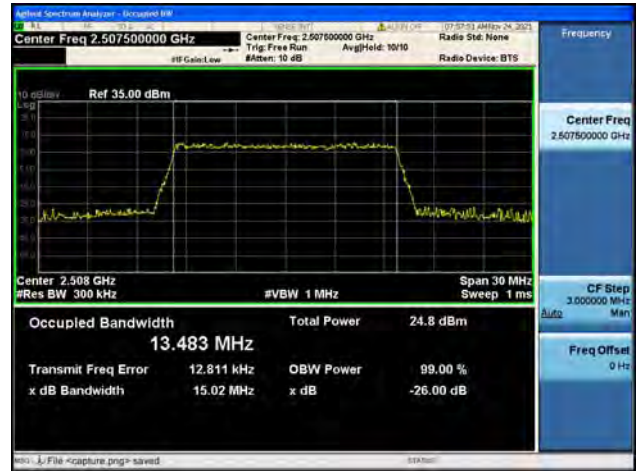




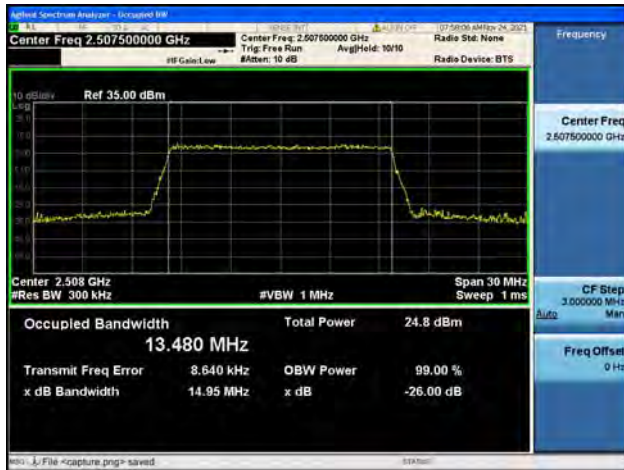
Band7 / 15MHz / Low CH / QPSK



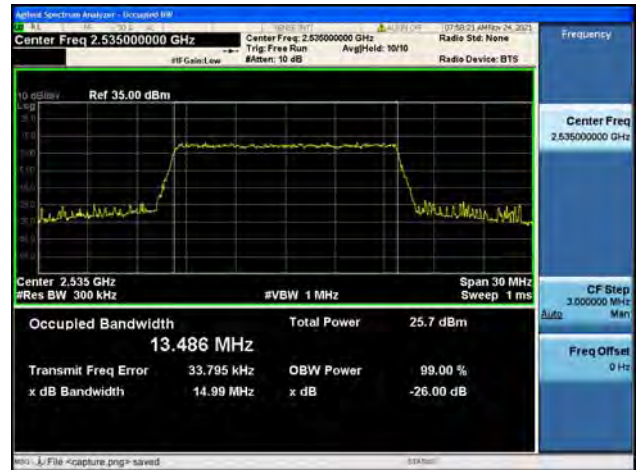
Band7 / 15MHz / Low CH / 16QAM



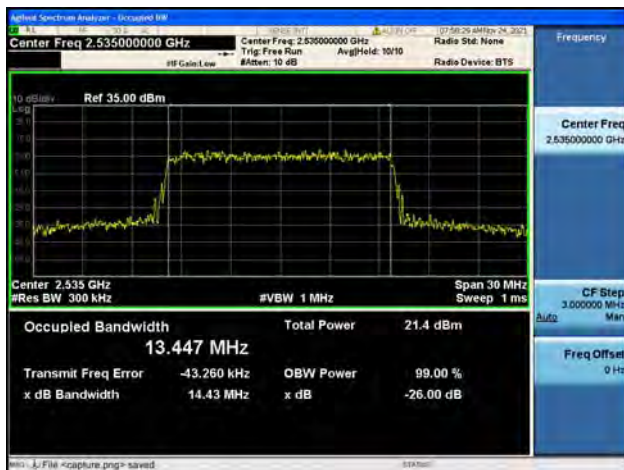
Band7 / 15MHz / Low CH / 64QAM



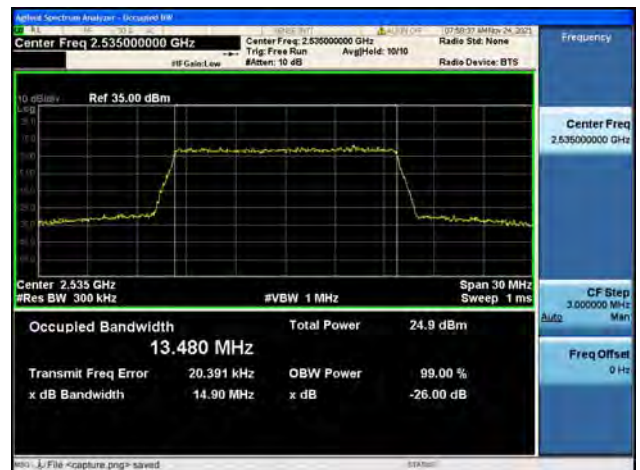
Band7 / 15MHz / Mid CH / QPSK



Band7 / 15MHz / Mid CH / 16QAM

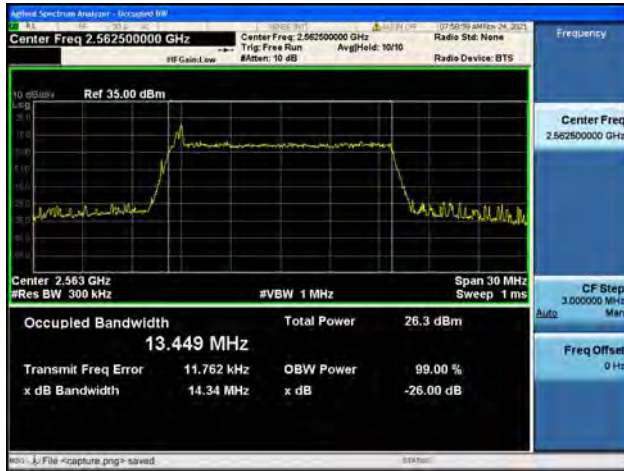


Band7 / 15MHz / Mid CH / 64QAM





Band7 / 15MHz / High CH / QPSK



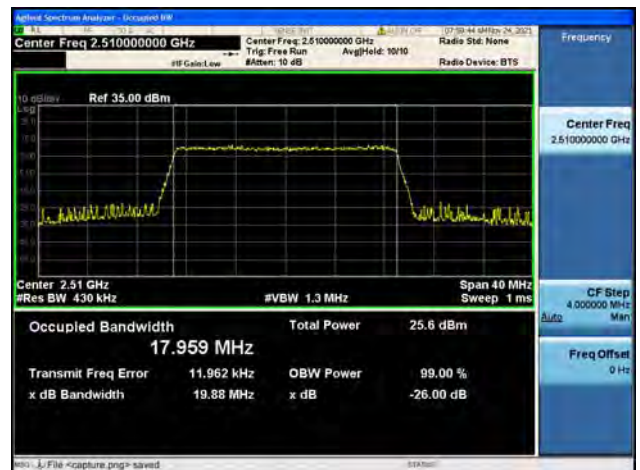
Band7 / 15MHz / High CH / 16QAM



Band7 / 15MHz / High CH / 64QAM



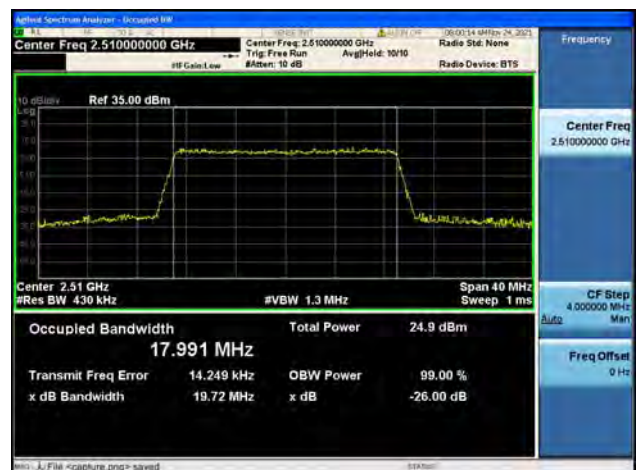
Band7 / 20MHz / Low CH / QPSK



Band7 / 20MHz / Low CH / 16QAM

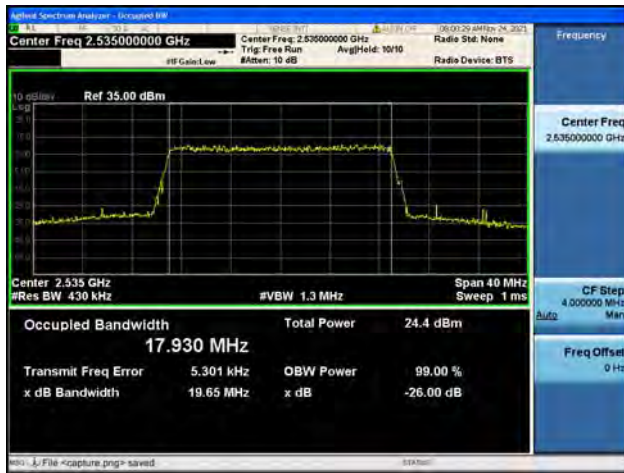


Band7 / 20MHz / Low CH / 64QAM





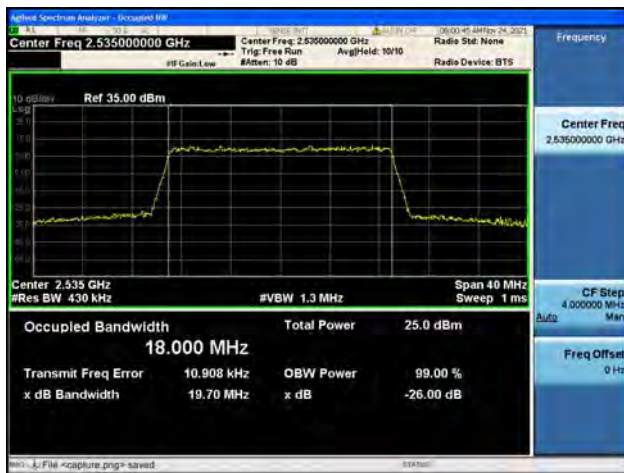
Band7 / 20MHz / Mid CH / QPSK



Band7 / 20MHz / Mid CH / 16QAM



Band7 / 20MHz / Mid CH / 64QAM



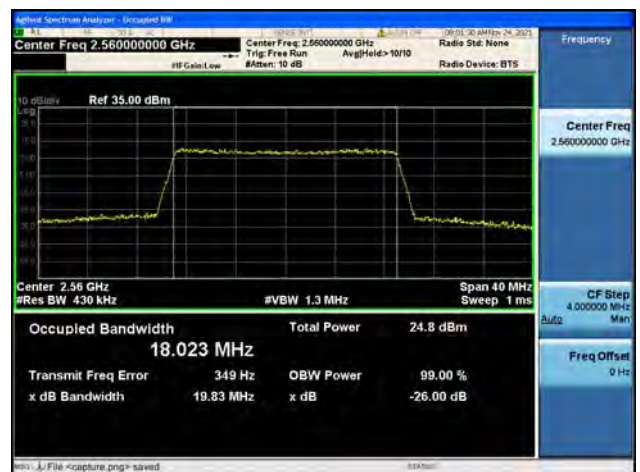
Band7 / 20MHz / High CH / QPSK



Band7 / 20MHz / High CH / 16QAM

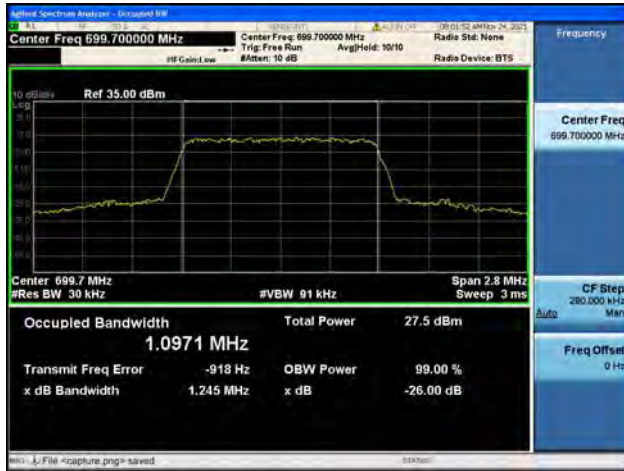


Band7 / 20MHz / High CH / 64QAM





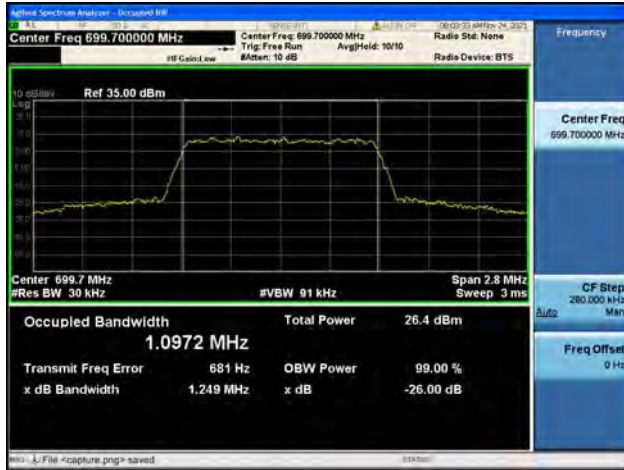
Band12 / 1.4MHz / Low CH / QPSK



Band12 / 1.4MHz / Low CH / 16QAM



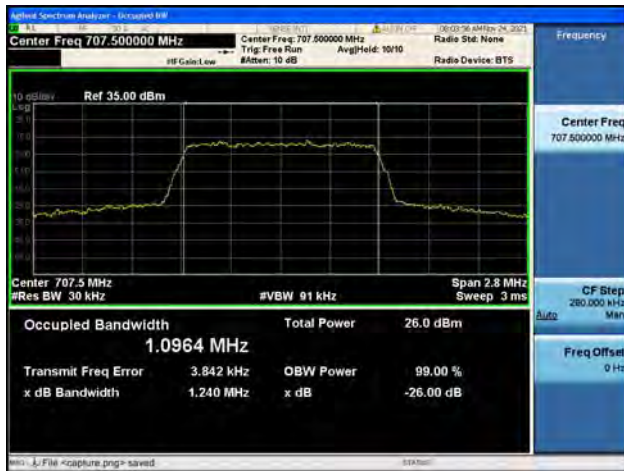
Band12 / 1.4MHz / Low CH / 64QAM



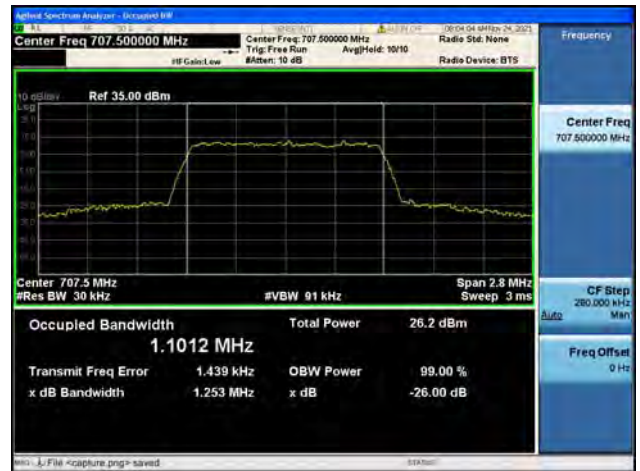
Band12 / 1.4MHz / Mid CH / QPSK



Band12 / 1.4MHz / Mid CH / 16QAM

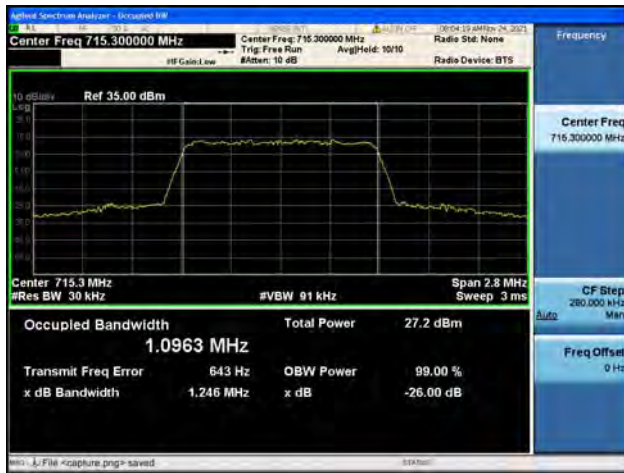


Band12 / 1.4MHz / Mid CH / 64QAM





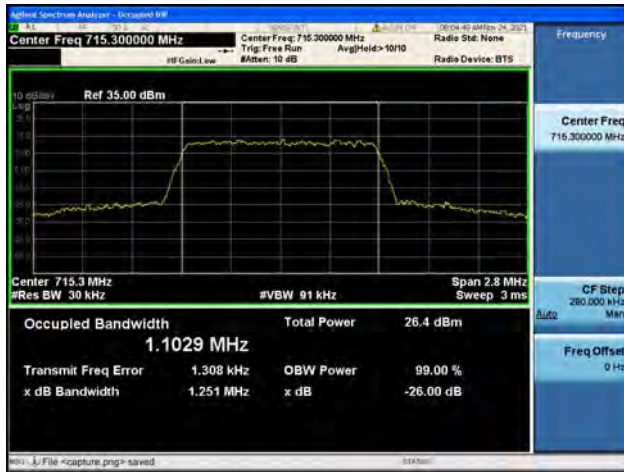
Band12 / 1.4MHz / High CH / QPSK



Band12 / 1.4MHz / High CH / 16QAM



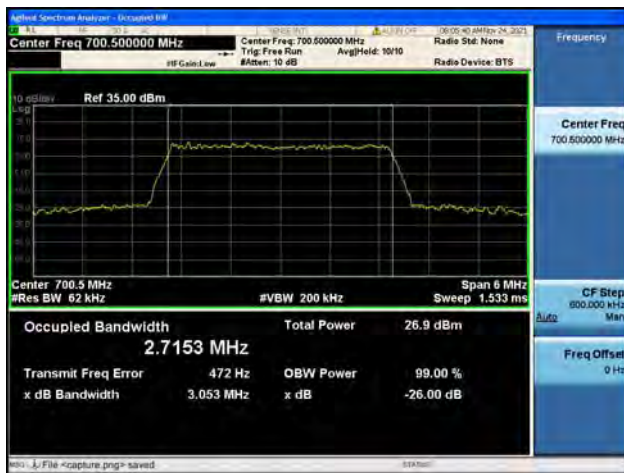
Band12 / 1.4MHz / High CH / 64QAM



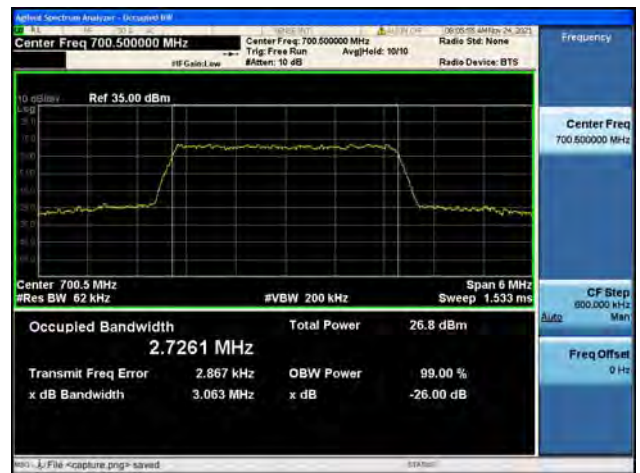
Band12 / 3MHz / Low CH / QPSK



Band12 / 3MHz / Low CH / 16QAM



Band12 / 3MHz / Low CH / 64QAM





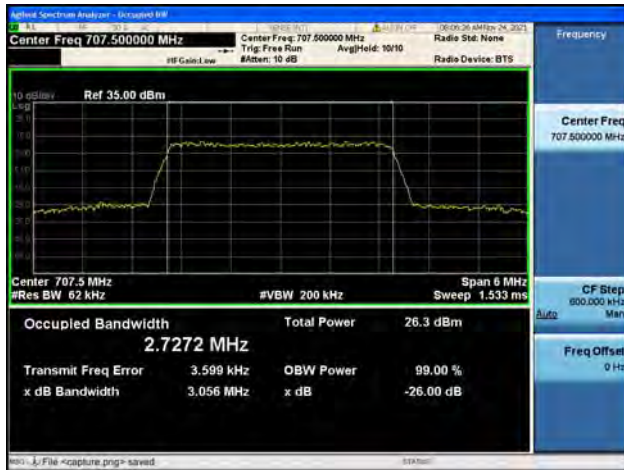
Band12 / 3MHz / Mid CH / QPSK



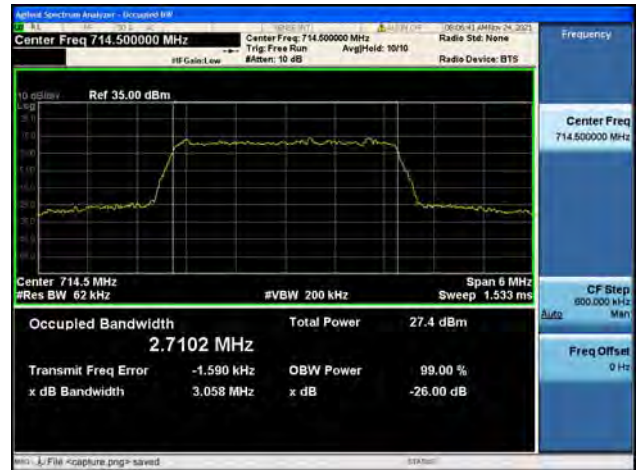
Band12 / 3MHz / Mid CH / 16QAM



Band12 / 3MHz / Mid CH / 64QAM



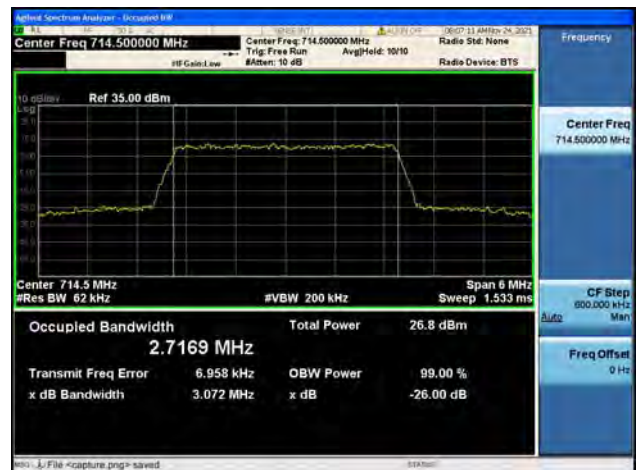
Band12 / 3MHz / High CH / QPSK



Band12 / 3MHz / High CH / 16QAM

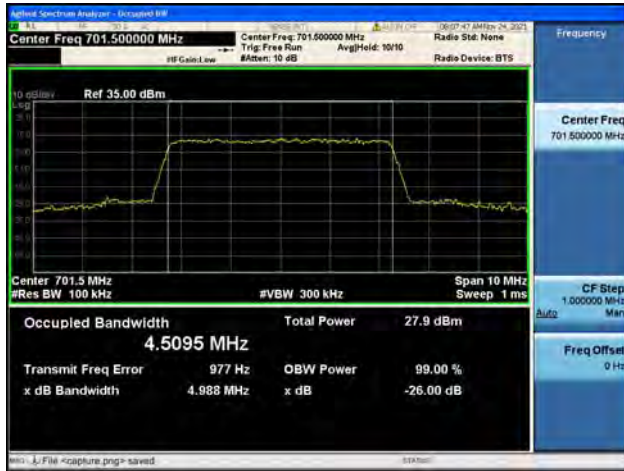


Band12 / 3MHz / High CH / 64QAM





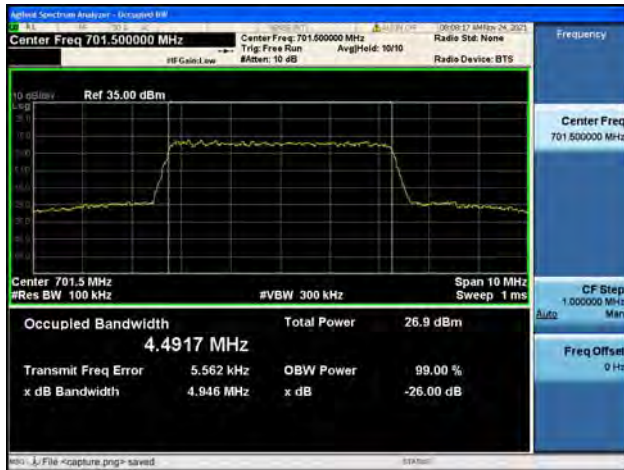
Band12 / 5MHz / Low CH / QPSK



Band12 / 5MHz / Low CH / 16QAM



Band12 / 5MHz / Low CH / 64QAM



Band12 / 5MHz / Mid CH / QPSK



Band12 / 5MHz / Mid CH / 16QAM

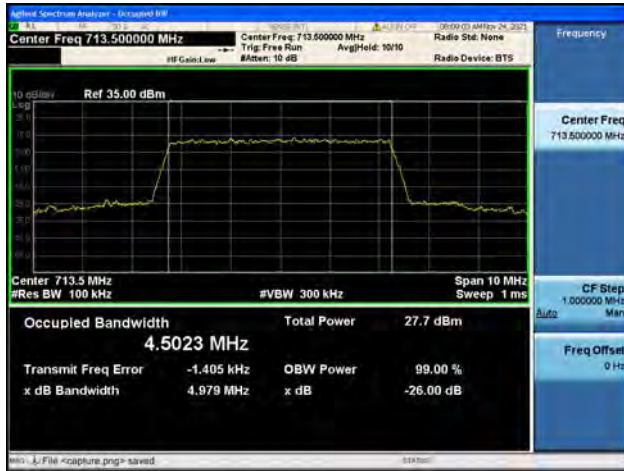


Band12 / 5MHz / Mid CH / 64QAM





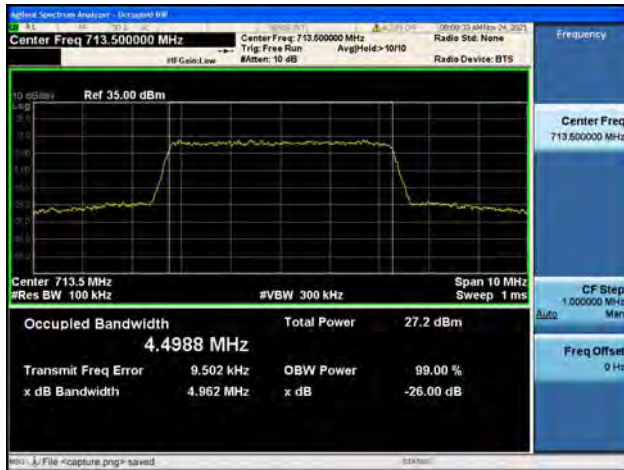
Band12 / 5MHz / High CH / QPSK



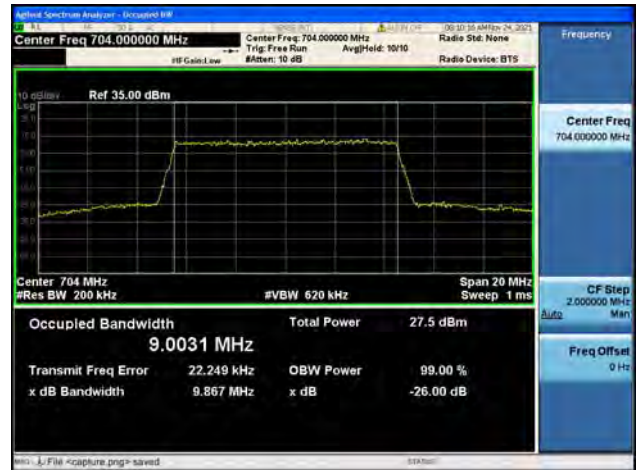
Band12 / 5MHz / High CH / 16QAM



Band12 / 5MHz / High CH / 64QAM



Band12 / 10MHz / Low CH / QPSK



Band12 / 10MHz / Low CH / 16QAM



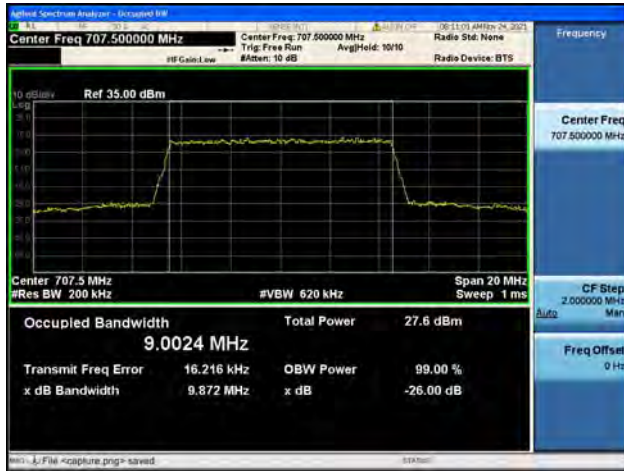
Band12 / 10MHz / Low CH / 64QAM







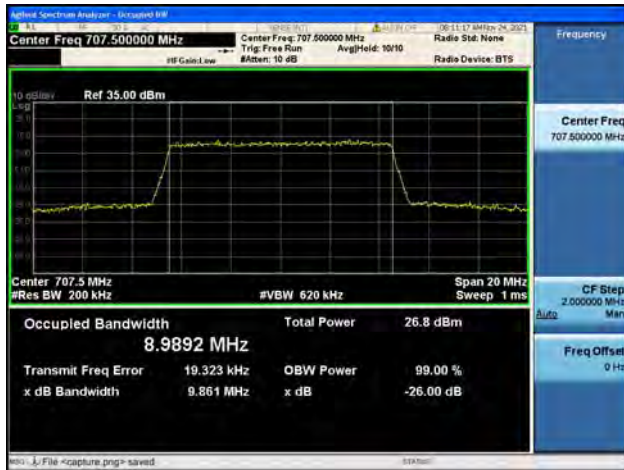
Band12 / 10MHz / Mid CH / QPSK



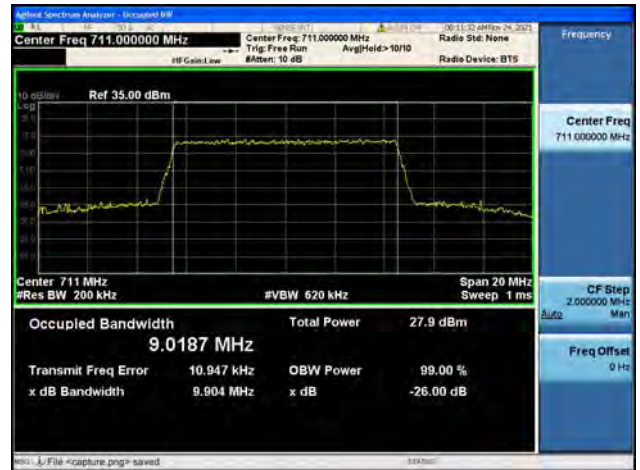
Band12 / 10MHz / Mid CH / 16QAM



Band12 / 10MHz / Mid CH / 64QAM



Band12 / 10MHz / High CH / QPSK



Band12 / 10MHz / High CH / 16QAM

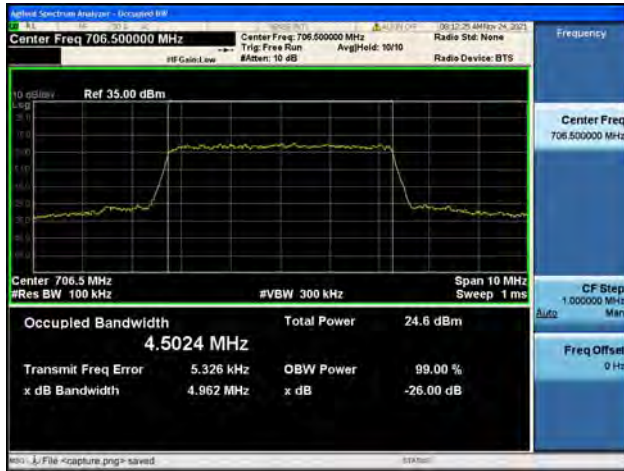


Band12 / 10MHz / High CH / 64QAM





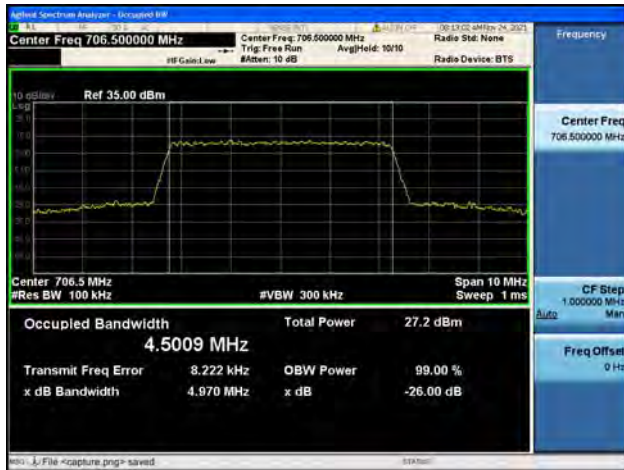
Band17 / 5MHz / Low CH / QPSK



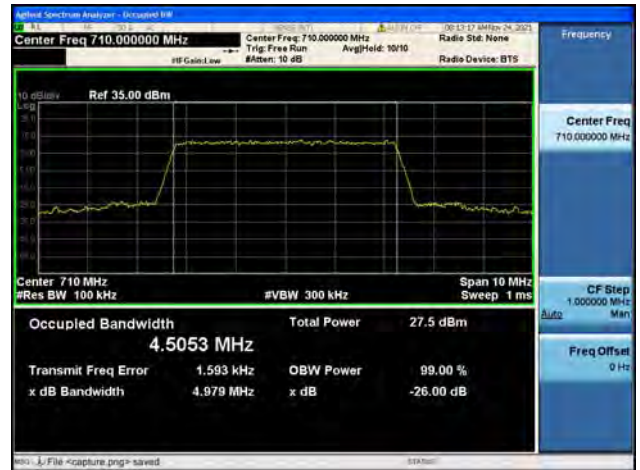
Band17 / 5MHz / Low CH / 16QAM



Band17 / 5MHz / Low CH / 64QAM



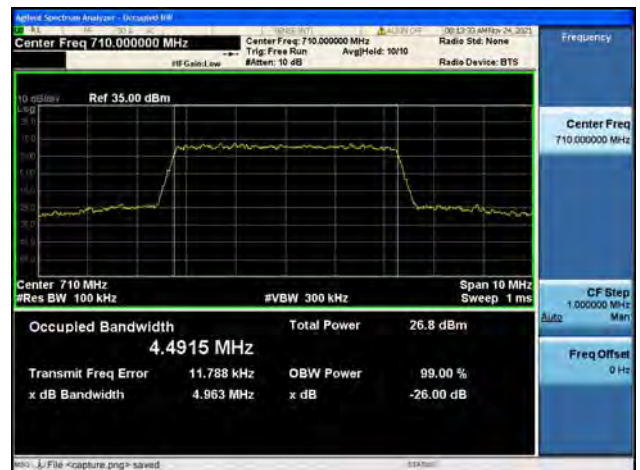
Band17 / 5MHz / Mid CH / QPSK



Band17 / 5MHz / Mid CH / 16QAM

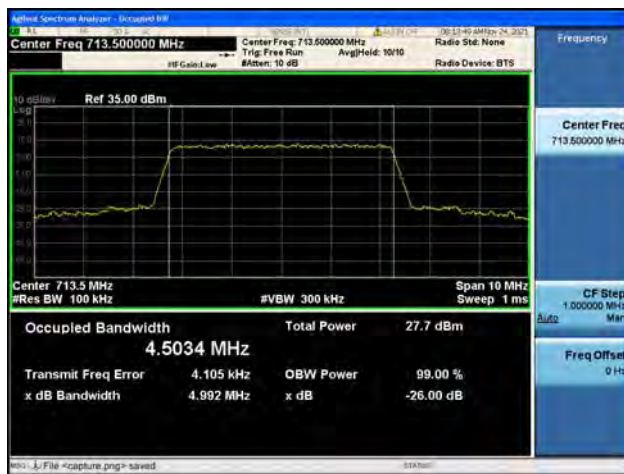


Band17 / 5MHz / Mid CH / 64QAM

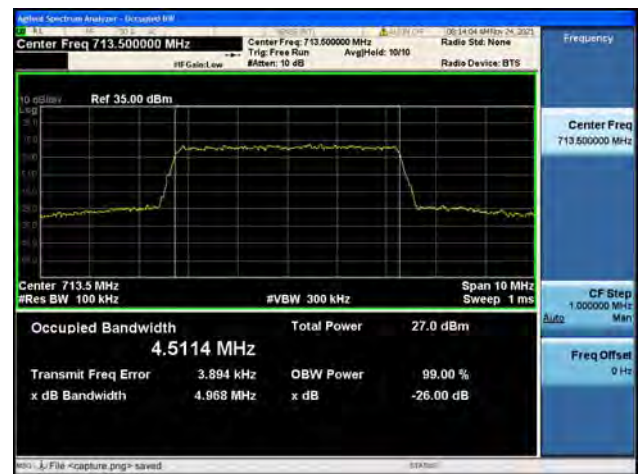




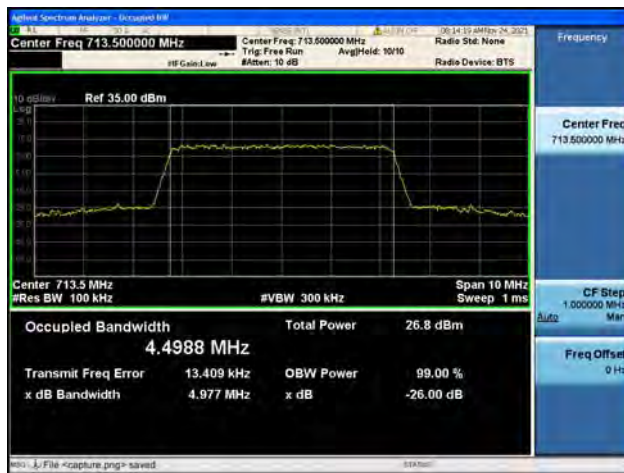
Band17 / 5MHz / High CH / QPSK



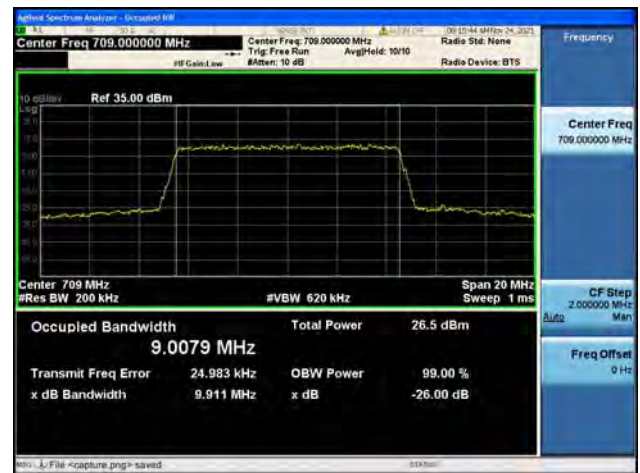
Band17 / 5MHz / High CH / 16QAM



Band17 / 5MHz / High CH / 64QAM



Band17 / 10MHz / Low CH / QPSK



Band17 / 10MHz / Low CH / 16QAM



Band17 / 10MHz / Low CH / 64QAM

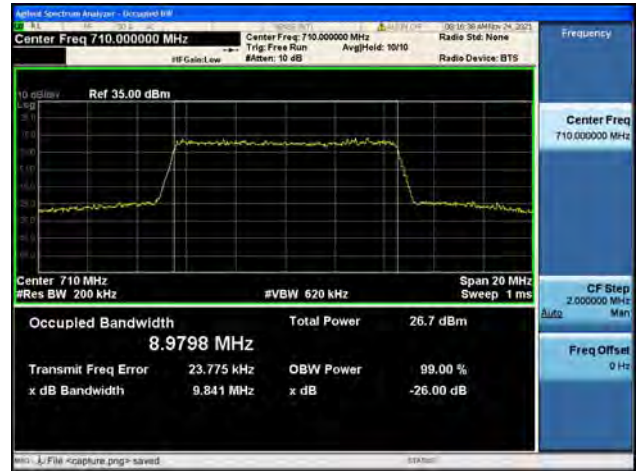




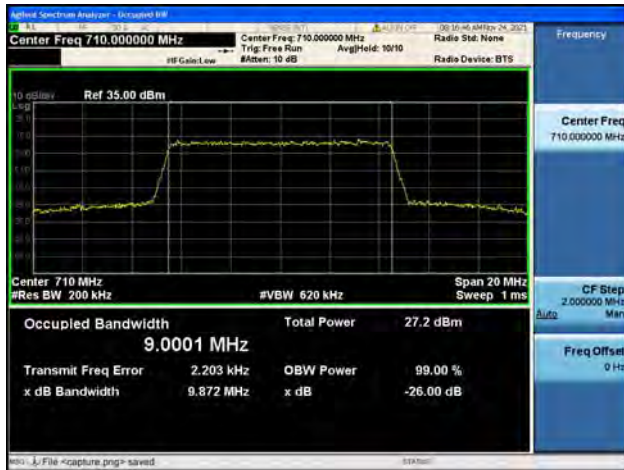
Band17 / 10MHz / Mid CH / QPSK



Band17 / 10MHz / Mid CH / 16QAM



Band17 / 10MHz / Mid CH / 64QAM



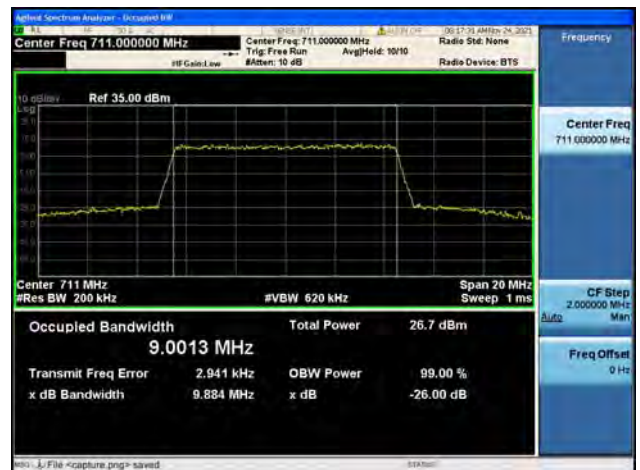
Band17 / 10MHz / High CH / QPSK



Band17 / 10MHz / High CH / 16QAM



Band17 / 10MHz / High CH / 64QAM

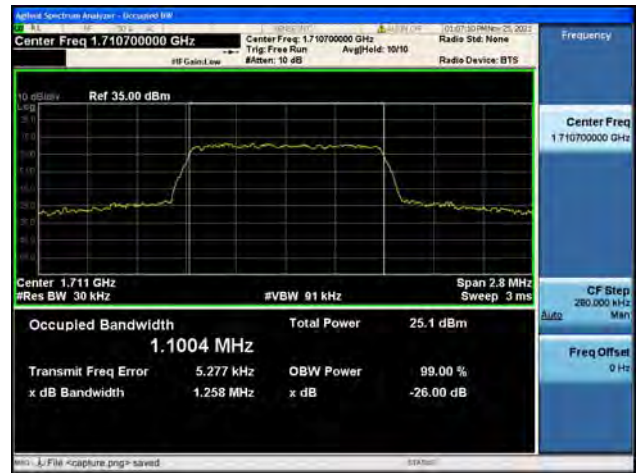




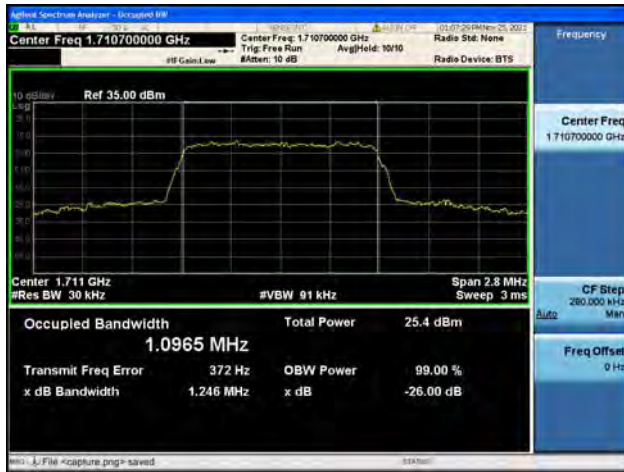
Band66 / 1.4MHz / Low CH / QPSK



Band66 / 1.4MHz / Low CH / 16QAM



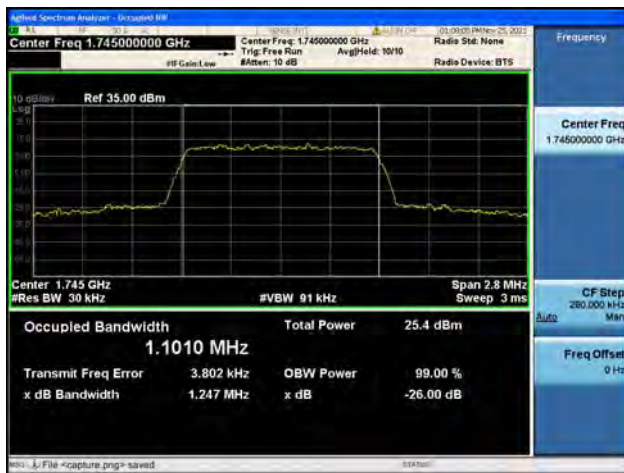
Band66 / 1.4MHz / Low CH / 64QAM



Band66 / 1.4MHz / Mid CH / QPSK



Band66 / 1.4MHz / Mid CH / 16QAM

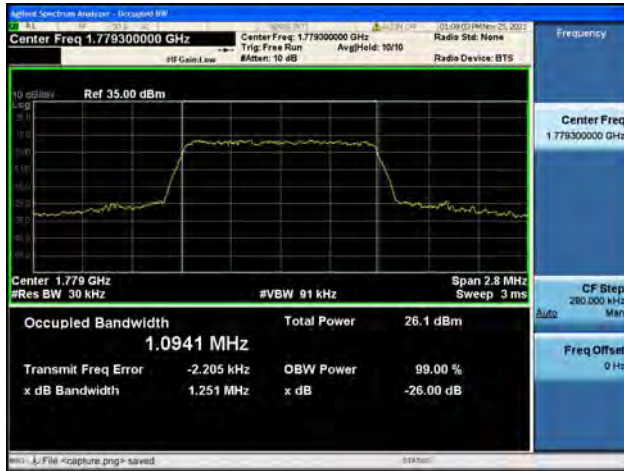


Band66 / 1.4MHz / Mid CH / 64QAM





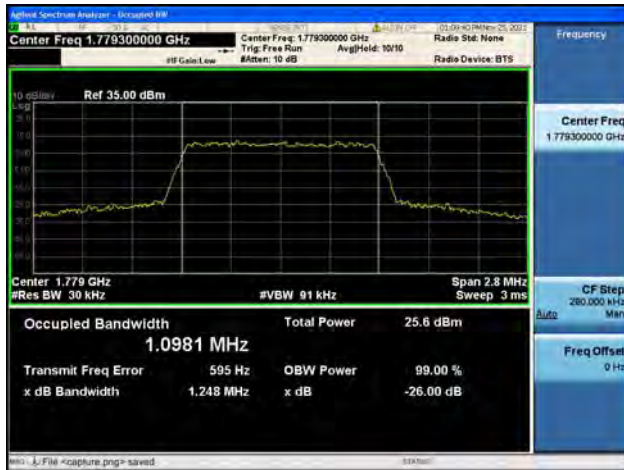
Band66 / 1.4MHz / High CH / QPSK



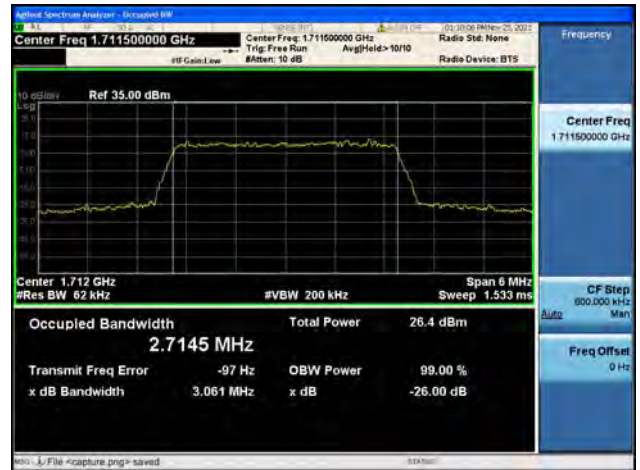
Band66 / 1.4MHz / High CH / 16QAM



Band66 / 1.4MHz / High CH / 64QAM



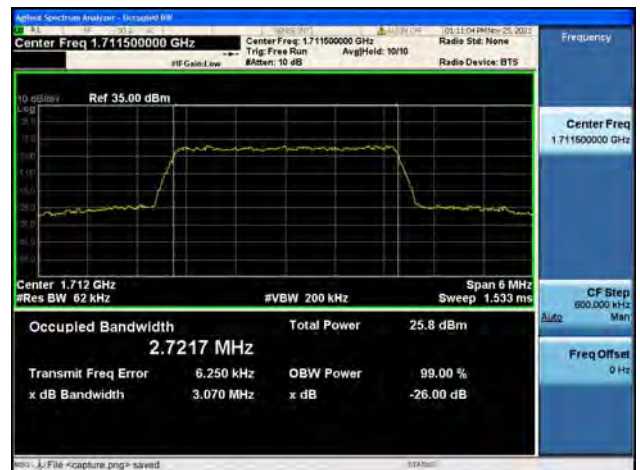
Band66 / 3MHz / Low CH / QPSK

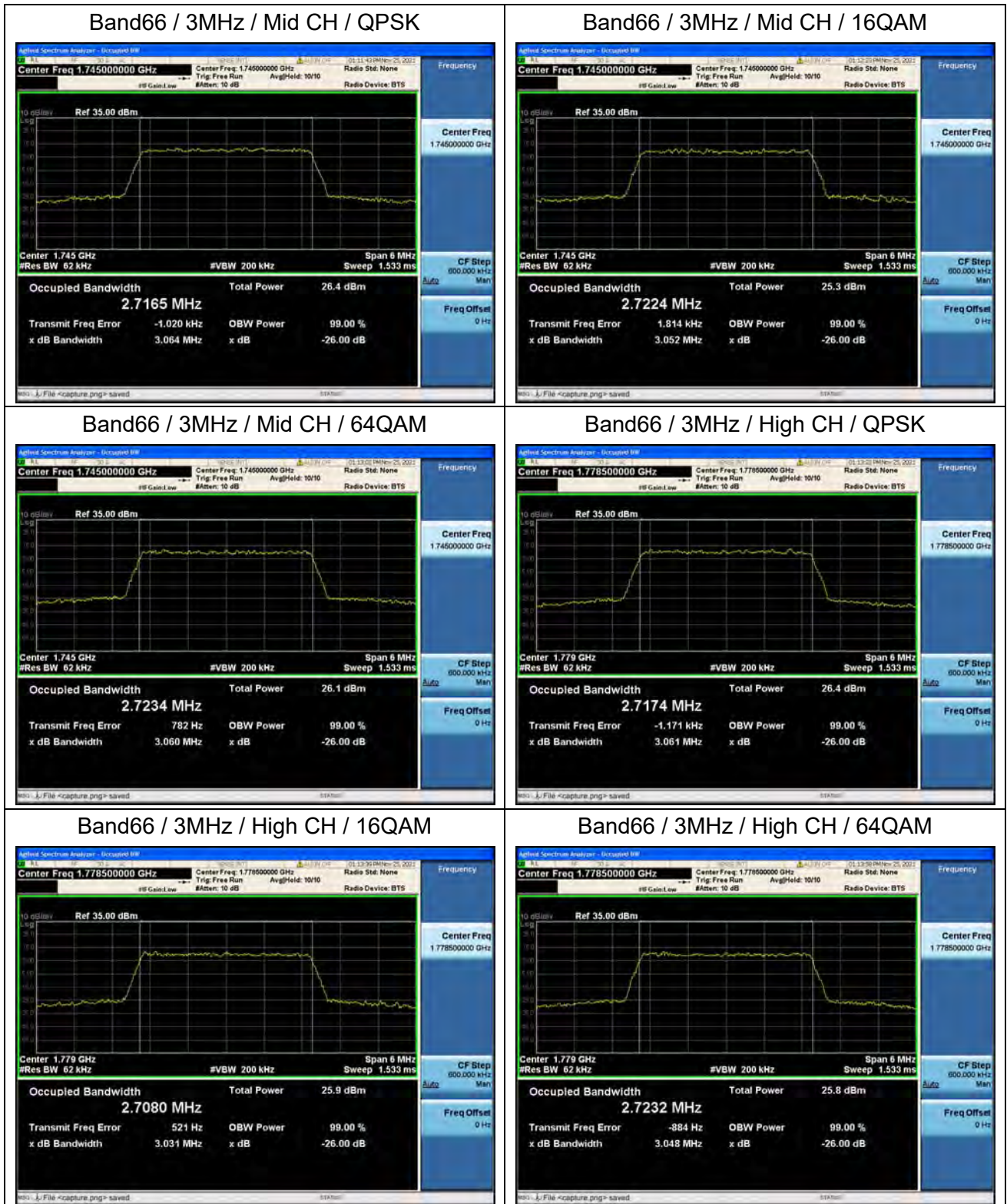


Band66 / 3MHz / Low CH / 16QAM



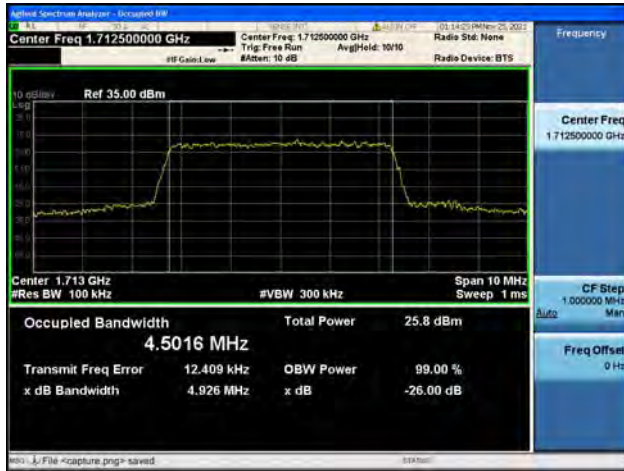
Band66 / 3MHz / Low CH / 64QAM



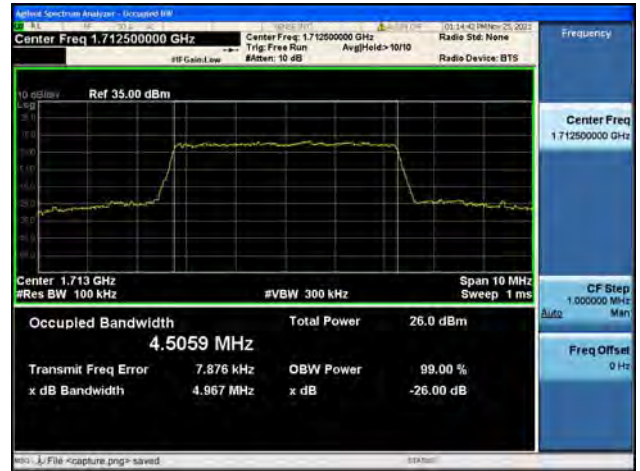




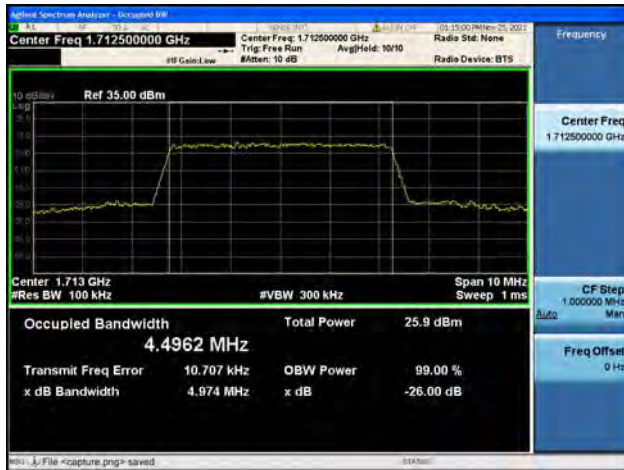
Band66 / 5MHz / Low CH / QPSK



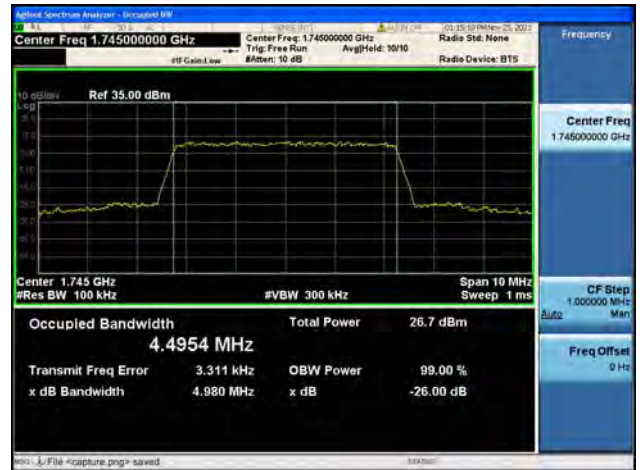
Band66 / 5MHz / Low CH / 16QAM



Band66 / 5MHz / Low CH / 64QAM



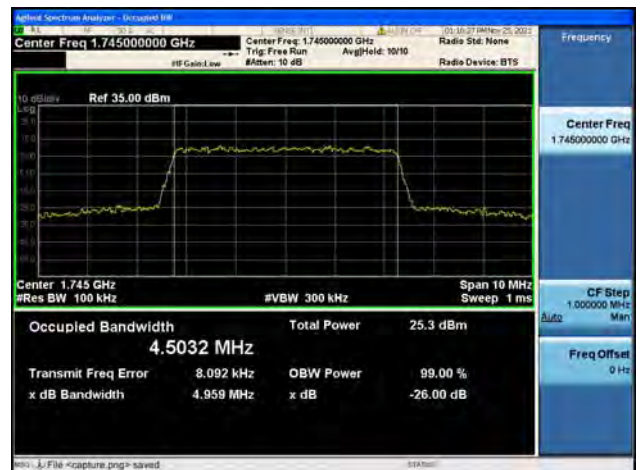
Band66 / 5MHz / Mid CH / QPSK



Band66 / 5MHz / Mid CH / 16QAM



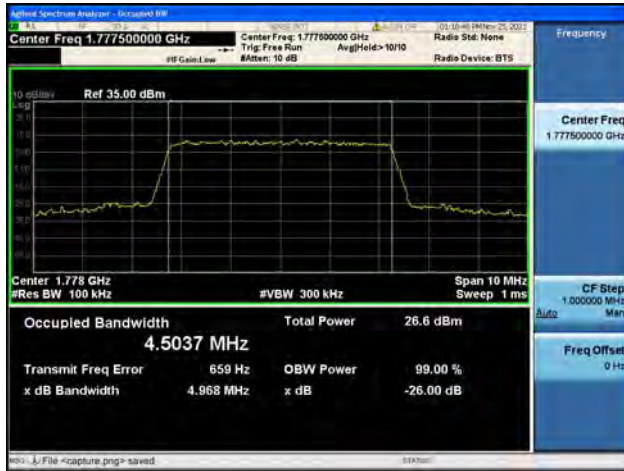
Band66 / 5MHz / Mid CH / 64QAM



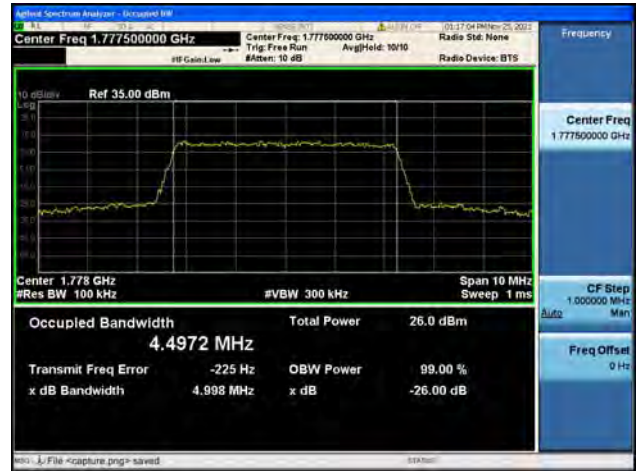




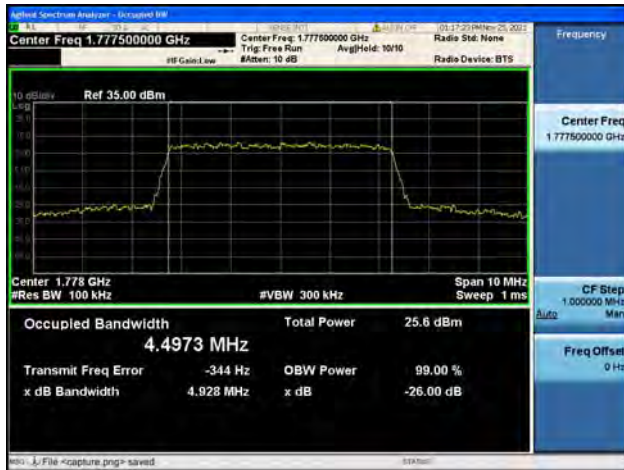
Band66 / 5MHz / High CH / QPSK



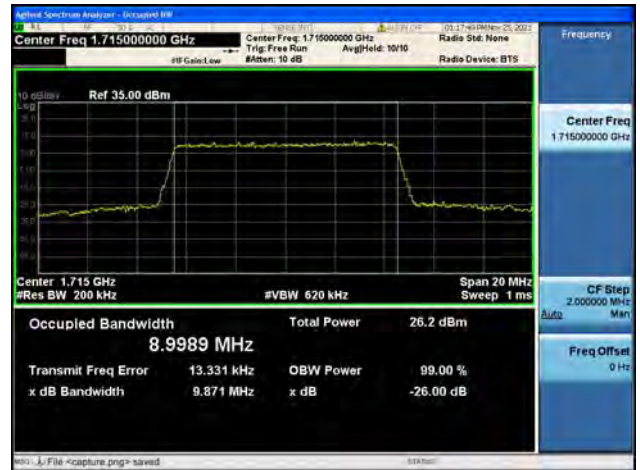
Band66 / 5MHz / High CH / 16QAM



Band66 / 5MHz / High CH / 64QAM



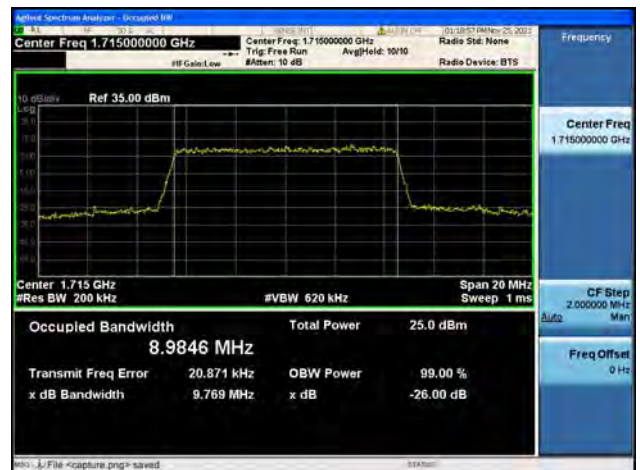
Band66 / 10MHz / Low CH / QPSK

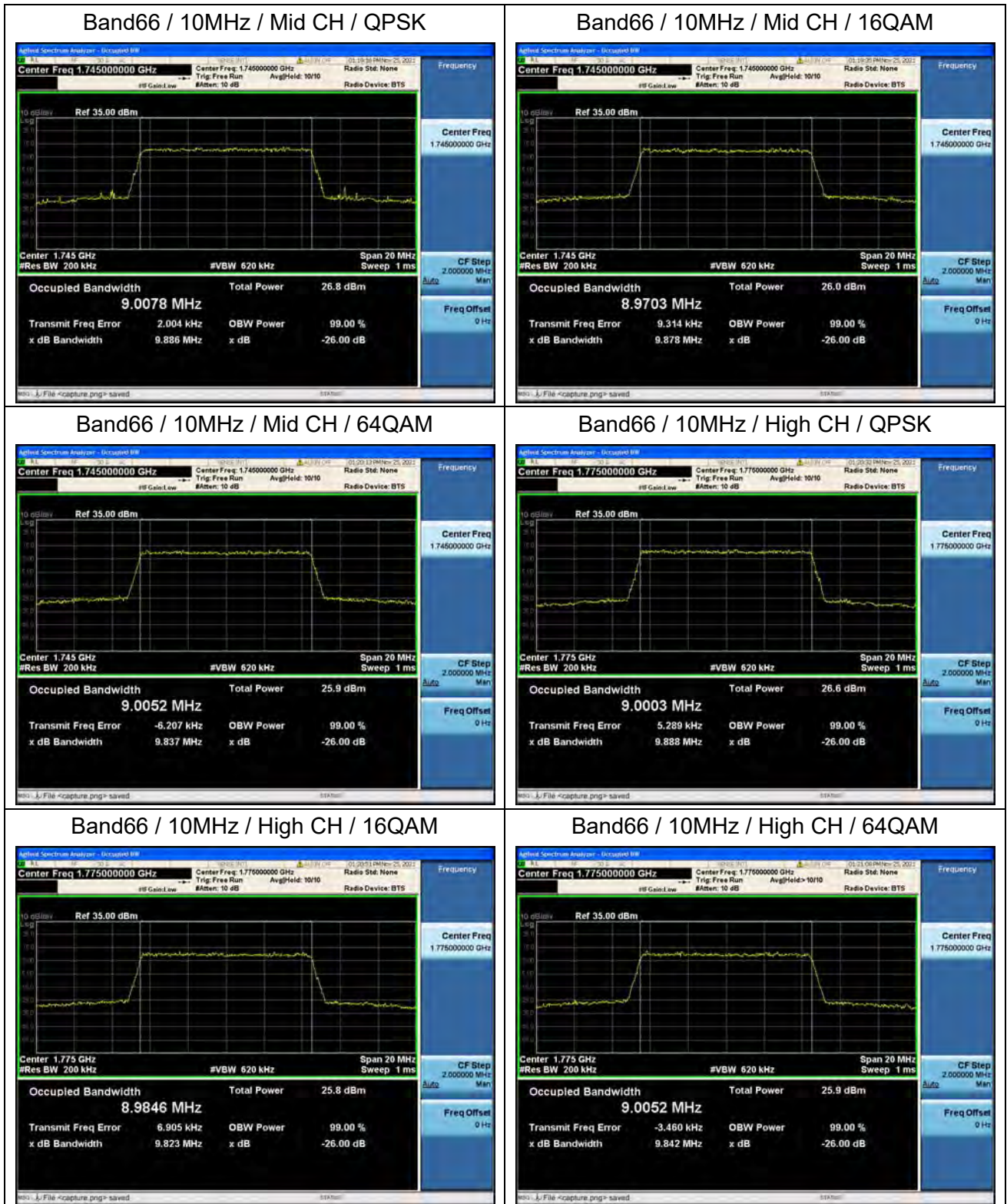


Band66 / 10MHz / Low CH / 16QAM



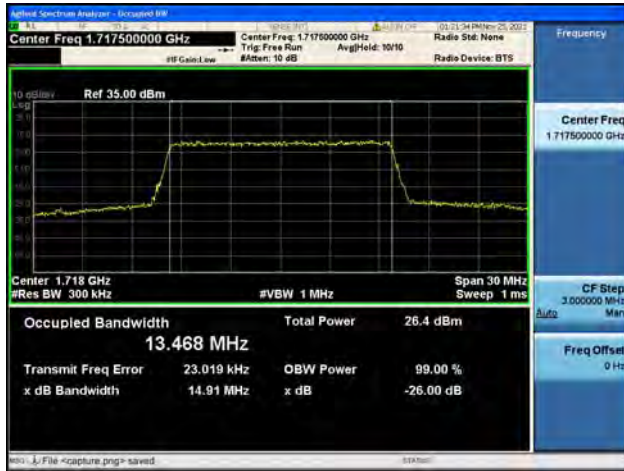
Band66 / 10MHz / Low CH / 64QAM







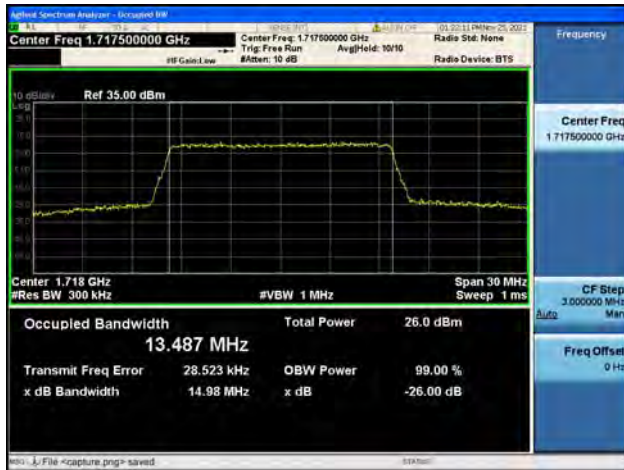
Band66 / 15MHz / Low CH / QPSK



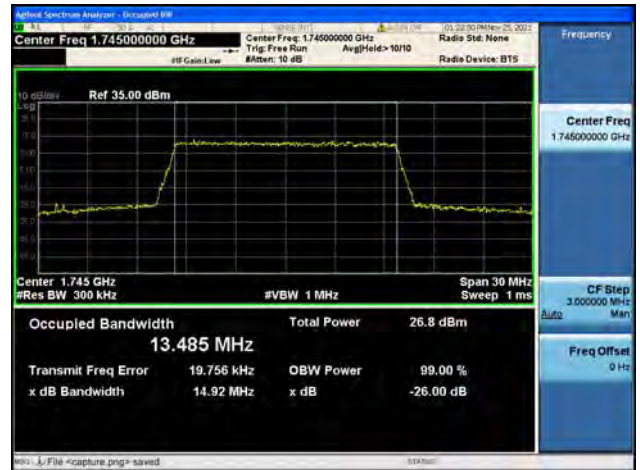
Band66 / 15MHz / Low CH / 16QAM



Band66 / 15MHz / Low CH / 64QAM



Band66 / 15MHz / Mid CH / QPSK



Band66 / 15MHz / Mid CH / 16QAM



Band66 / 15MHz / Mid CH / 64QAM

