



# TEST REPORT

**APPLICANT** : Sonim Technologies, Inc.

**PRODUCT NAME** : GSM, WCDMA, LTE Cell Phone

**MODEL NAME** : XP3900

**BRAND NAME** : Sonim

**FCC ID** : WYPP14303

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

**RECEIPT DATE** : 2021-04-23


**TEST DATE** : 2021-05-06 to 2021-06-02

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Change History		
Version	Date	Reason for change
1.0	2021-06-03	First edition



# 1. Technical Information

Note: Provide by applicant.

## 1.1. Applicant and Manufacturer Information

<b>Applicant:</b>	Sonim Technologies, Inc.
<b>Applicant Address:</b>	6836 Bee Cave Road, Building 1, Suite 279, Austin, Texas 78746, USA
<b>Manufacturer:</b>	Sonim Technologies, Inc.
<b>Manufacturer Address:</b>	6836 Bee Cave Road, Building 1, Suite 279, Austin, Texas 78746, USA

## 1.2. Equipment Under Test (EUT) Description

<b>Product Name:</b>	GSM, WCDMA, LTE Cell Phone	
<b>Serial No.:</b>	N/A	
<b>IMEI:</b>	Conducted	001080002706704
	Radiated	001080002707256
<b>Hardware Version:</b>	P14303: 0200 P14403: 0201(Non-camera)	
<b>Software Version:</b>	3P.2.0-01-11.0.0-19.20.16	
<b>Modulation Type:</b>	QPSK, 16QAM, 64QAM	
<b>Carrier Aggregation:</b>	Only support downlink CA_2A-2A, CA_2A-4A, CA_2A-5A, CA_2A-12A, CA_2A-13A, CA_2A-14A, CA_2A-66A, CA_2A-71A, CA_2C, CA_4A-4A, CA_4A-5A, CA_4A-12A, CA_4A-13A, CA_4A-71A, CA_5A-5A, CA_5A-41A, CA_5A-66A, CA_5B, CA_12A-66A, CA_13A-66A, CA_14A-66A, CA_25A-25A, CA_25A-26A, CA_26A-41A, CA_41A-41A, CA_41C, CA_66A-66A, CA_66A-71A, CA_66B, CA_66C	
<b>Operation Band:</b>	Band 2 / 4 / 5 / 7 / 12 / 13 / 25 / 26 / 30 / 41 / 66 / 71	
<b>Power Class:</b>	Class 3 (Except for LTE Band 41 support both class 2 and class 3)	
<b>Frequency Range:</b>	LTE Band 2	Tx: 1850MHz–1910MHz
		Rx: 1930MHz–1990MHz
	LTE Band 4	Tx: 1710MHz–1755MHz
		Rx: 2110MHz–2155MHz



<b>Frequency Range:</b>	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 13	Tx: 777MHz–787MHz
		Rx: 746MHz–756MHz
	LTE Band 25	Tx: 1850MHz–1915MHz
		Rx: 1930MHz–1995MHz
	LTE Band 26	Tx: 824MHz–849MHz
Rx: 869MHz–894MHz		
LTE Band 30	Tx: 2305MHz–2315MHz	
	Rx: 2350MHz–2360MHz	
LTE Band 41	Tx: 2496MHz –2690MHz	
	Tx: 2496MHz –2690MHz	
LTE Band 66	Tx: 1710MHz –1780MHz	
	Rx: 2110MHz –2200MHz	
LTE Band 71	Tx: 663MHz –698MHz	
	Rx: 617MHz –652MHz	
<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, 15 MHz, 20 MHz
	LTE Band 12	1.4MHz, 3 MHz, 5 MHz, 10MHz
	LTE Band 13	5 MHz, 10MHz
	LTE Band 25	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 26	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz
	LTE Band 30	5 MHz, 10MHz
	LTE Band 41	5 MHz, 10MHz, 15MHz, 20MHz
	LTE Band 66	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
LTE Band 71	5MHz, 10MHz, 15MHz, 20MHz	



<b>Antenna Type:</b>	Fixed Internal Antenna	
<b>Antenna Gain:</b>	LTE Band 2	0.22dBi
	LTE Band 4	0.51dBi
	LTE Band 5	-1.52dBi
	LTE Band 7	-0.22dBi
	LTE Band 12	-0.45dBi
	LTE Band 13	-1.32dBi
	LTE Band 25	0.22dBi
	LTE Band 26	-1.52dBi
	LTE Band 30	-0.28dBi
	LTE Band 41	0.23dBi
	LTE Band 66	-0.32dBi
	LTE Band 71	-1.01dBi
<b>Accessory Information:</b>	Battery	
	Brand Name:	Sonim
	Model No.:	BAT-02300-01S
	Serial No.:	(N/A, marked #1 by test site)
	Capacity:	2300mAh
	Rated Voltage:	3.85V
	Charge Limit:	4.2V
	Manufacturer:	Tianjin Lishen Battery Joint-Stock Co., Ltd.
	AC Adapter	
	Brand Name:	Sonim
	Model No.:	UC13US
	Serial No.:	(N/A, marked #1 by test site)
	Rated Output:	5V=2A
	Rated Input:	100-240V~50/60Hz, 0.35A
	Manufacturer:	Jiangsu Chenyang Electron Co., Ltd.

**Note 1:** According to the certificate holder, they declare that the model XP3900 (FCC ID: WYPP14303) has two types, namely "P14303" and "P14403", the difference is as follows. The main measuring model is XP3900 (Type: P14303), only the results for XP3900 (Type: P14303) were recorded in this report.

Model name	Type name	Variant
XP3900	P14303	With camera
	P14403	Without camera



REPORT No.: SZ21040148W08

**Note 2:** LTE Band 41 supports both power class 2 and class 3. We have evaluated two power classes respectively by performing full test, for Conducted Output Power and E.I.R.P. we recorded the test result of two power classes separately, for other test items we only recorded the worst test result (Class 2) in this report.

**Note 3:** 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	0.178	0.157	0.154	18M0G7D	18M0W7D	18M0W7D	
15	0.176	0.149	0.148	13M5G7D	13M5W7D	13M5W7D	
10	0.177	0.159	0.146	8M99G7D	8M96W7D	8M97W7D	
5	0.176	0.158	0.155	4M51G7D	4M50W7D	4M50W7D	
3	0.177	0.161	0.155	2M70G7D	2M70W7D	2M71W7D	
1.4	0.175	0.143	0.144	1M10G7D	1M11W7D	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	0.194	0.166	0.166	18M0G7D	18M0W7D	18M0W7D	
15	0.192	0.159	0.165	13M5G7D	13M5W7D	13M5W7D	
10	0.190	0.161	0.166	9M02G7D	8M98W7D	9M01W7D	
5	0.189	0.161	0.164	4M53G7D	4M52W7D	4M51W7D	
3	0.192	0.162	0.156	2M71G7D	2M72W7D	2M72W7D	
1.4	0.188	0.160	0.157	1M11G7D	1M11W7D	1M11W7D	
<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	0.073	0.064	0.064	9M01G7D	8M97W7D	8M99W7D	
5	0.072	0.066	0.063	4M50G7D	4M51W7D	4M50W7D	
3	0.072	0.065	0.063	2M70G7D	2M71W7D	2M71W7D	
1.4	0.073	0.065	0.062	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	0.145	0.109	0.112	18M0G7D	18M0W7D	18M0W7D	
15	0.143	0.119	0.114	13M5G7D	13M5W7D	13M5W7D	
10	0.140	0.116	0.111	9M00G7D	8M97W7D	9M00W7D	
5	0.140	0.108	0.109	4M51G7D	4M51W7D	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	0.102	0.082	0.083	9M01G7D	8M98W7D	8M99W7D	
5	0.100	0.081	0.082	4M51G7D	4M51W7D	4M50W7D	
3	0.100	0.086	0.080	2M70G7D	2M71W7D	2M71W7D	
1.4	0.099	0.084	0.078	1M10G7D	1M10W7D	1M10W7D	



<b>LTE Band 13</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	0.076	0.061	0.062	8M98G7D	8M95W7D	8M97W7D	
5	0.074	0.068	0.062	4M51G7D	4M51W7D	4M50W7D	
<b>LTE Band 25</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	0.182	0.154	0.150	18M0G7D	18M0W7D	18M0W7D	
15	0.179	0.167	0.150	13M5G7D	13M5W7D	13M5W7D	
10	0.179	0.158	0.152	9M00G7D	9M00W7D	8M97W7D	
5	0.178	0.157	0.150	4M51G7D	4M51W7D	4M51W7D	
3	0.177	0.158	0.149	2M71G7D	2M71W7D	2M71W7D	
1.4	0.176	0.158	0.152	1M10G7D	1M11W7D	1M10W7D	
<b>LTE Band 26</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	
15	0.071	0.063	0.049	13M5G7D	13M5W7D	13M5W7D	
10	0.070	0.063	0.048	9M00G7D	9M01W7D	9M01W7D	
5	0.071	0.059	0.048	4M50G7D	4M51W7D	4M51W7D	
3	0.071	0.061	0.050	2M70G7D	2M70W7D	2M70W7D	
1.4	0.071	0.059	0.051	1M10G7D	1M10W7D	1M10W7D	
<b>LTE Band 30</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	0.163	0.138	0.132	8M97G7D	8M95W7D	8M96W7D	
5	0.162	0.138	0.133	4M51G7D	4M51W7D	4M51W7D	
<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	0.162	0.137	0.141	18M0G7D	18M0W7D	18M0W7D	
15	0.160	0.135	0.139	13M5G7D	13M5W7D	13M5W7D	
10	0.155	0.139	0.135	9M01G7D	9M02W7D	9M02W7D	
5	0.154	0.143	0.136	4M51G7D	4M51W7D	4M51W7D	
3	0.153	0.136	0.136	2M71G7D	2M71W7D	2M70W7D	
1.4	0.153	0.140	0.132	1M10G7D	1M10W7D	1M10W7D	
<b>LTE Band 71</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	0.086	0.069	0.069	18M0G7D	18M0W7D	18M0W7D	
15	0.083	0.069	0.067	13M5G7D	13M5W7D	13M5W7D	
10	0.083	0.069	0.068	9M00G7D	8M98W7D	9M00W7D	
5	0.083	0.068	0.068	4M50G7D	4M51W7D	4M50W7D	





LTE Band 41	Maximum E.R.P./E.I.R.P. (W)					
	Power Class 2			Power Class 3		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.447	0.398	0.391	0.155	0.122	0.126
15	0.443	0.396	0.386	0.153	0.132	0.132
10	0.308	0.277	0.289	0.151	0.121	0.123
5	0.309	0.277	0.301	0.151	0.133	0.130
LTE Band 41	Emission Designator (99%OBW)					
BW(MHz)	QPSK		16QAM		64QAM	
5	4M52G7D		4M52W7D		4M50W7D	
10	8M99G7D		8M99W7D		9M00W7D	
15	13M5G7D		13M5W7D		13M5W7D	
20	18M0G7D		18M0W7D		18M0W7D	



## 1.4. Test Standards and Results

The objective of the report is to perform testing according to Part 2, Part 22, Part 24 and 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(a)(3) 27.50(b)(10) 27.50(c)(10) 27.50(d)(4) 27.50(h)(2)	Transmitter Conducted Output Power and E.R.P./E.I.R.P.	May 20&24, 2021 Jun 01, 2021	Yu Zhizheng Ling Keye Gao Jianrou	PASS	No deviation
2.1049	Occupied Bandwidth	May 06&17&31, 2021	Ling Keye	PASS	No deviation
2.1055 22.355 24.235 27.54	Frequency Stability	May 18, 2021	Ling Keye	PASS	No deviation
24.232(d), 27.50(d)(5)	Peak to Average Radio	May 07&17, 2021	Ling Keye	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(a)(4) 27.53(c)(2) 27.53(g) 27.53(h) 27.53(m)(4)	Conducted Spurious Emissions	May 08&10&14, 2021 Jun 02, 2021	Ling Keye	PASS	No deviation



27.53(l)(2)					
2.1051 22.917(a) 24.238(a) 27.53(a)(4) 27.53(c)(2) 27.53(g) 27.53(h) 27.53(m)(4) 27.53(l)(2)	Band Edge	May 08&10&14, 2021 Jun 01, 2021	Ling Keye	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(a)(4) 27.53(c)(2) 27.53(g) 27.53(h) 27.53(m)(4) 27.53(l)(2)	Radiated Spurious Emissions	May 10&31, 2021 Jun 01, 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% risk level.

## 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 D&F&H&L&M&N 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 2/25, 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 5/26, the E.R.P. of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

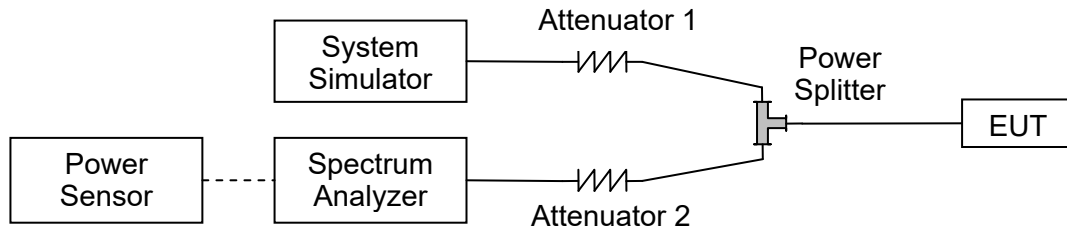
According to FCC section 27.50 (h)(2) for LTE Band 7/41, Mobile and other user stations. Mobile stations are limited to 2 watts E.I.R.P. All user stations are limited to 2 watts transmitter output power.

According to FCC section 27.50 (b)(10) for LTE Band 13, Portable stations (hand-held devices) transmitting in the 746-757 MHz, 776-788 MHz, and 805-806 MHz bands are limited to 3 watts E.R.P.

According to FCC section 27.50 (c)(10) for LTE Band 12/71, Portable stations (hand-held devices) operating in the 704-716MHz band are limited to 3watts E.R.P.

According to FCC section 27.50 (a)(3) for LTE Band 30, Mobile and portable stations transmitting in the 2305-2315 MHz band or the 2350-2360 MHz band, the average E.I.R.P. must not exceed 50 milliwatts within any 1 megahertz of authorized bandwidth.

### 2.1.2. Test Description



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

### 2.1.3. Test Procedure

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

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

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



2.1.4. Result

Conducted Output Power

LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18700	18900	19100
Frequency (MHz)				1860	1880	1900
20	QPSK	1	0	22.26	22.29	22.23
20	QPSK	1	49	22.24	22.18	22.11
20	QPSK	1	99	22.18	22.14	22.12
20	QPSK	50	0	21.34	21.43	21.36
20	QPSK	50	24	21.35	21.40	21.40
20	QPSK	50	50	21.40	21.36	21.42
20	QPSK	100	0	21.33	21.42	21.38
20	16QAM	1	0	21.39	21.39	21.41
20	16QAM	1	49	21.23	21.53	21.49
20	16QAM	1	99	21.48	21.33	21.73
20	16QAM	50	0	21.41	21.38	21.36
20	16QAM	50	24	21.37	21.42	21.43
20	16QAM	50	50	21.45	21.42	21.49
20	16QAM	100	0	21.48	21.49	21.36
20	64QAM	1	0	21.43	21.62	21.36
20	64QAM	1	49	21.38	21.56	21.47
20	64QAM	1	99	21.33	21.66	21.66
20	64QAM	50	0	21.43	21.35	21.40
20	64QAM	50	24	21.46	21.40	21.45
20	64QAM	50	50	21.45	21.46	21.40
20	64QAM	100	0	21.33	21.30	21.31



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18675	18900	19125
Frequency (MHz)				1857.5	1880	1902.5
15	QPSK	1	0	22.07	22.10	22.01
15	QPSK	1	37	21.86	22.22	22.10
15	QPSK	1	74	22.23	22.15	22.23
15	QPSK	36	0	21.20	21.29	21.28
15	QPSK	36	20	21.19	21.38	21.35
15	QPSK	36	39	21.31	21.32	21.29
15	QPSK	75	0	21.23	21.29	21.25
15	16QAM	1	0	21.32	21.40	21.34
15	16QAM	1	37	21.45	21.48	21.34
15	16QAM	1	74	21.40	21.52	21.52
15	16QAM	36	0	21.19	21.24	21.27
15	16QAM	36	20	21.28	21.21	21.34
15	16QAM	36	39	21.33	21.42	21.39
15	16QAM	75	0	21.20	21.22	21.31
15	64QAM	1	0	21.40	21.16	21.22
15	64QAM	1	37	21.39	21.20	21.62
15	64QAM	1	74	21.28	21.32	21.47
15	64QAM	36	0	21.13	21.30	21.18
15	64QAM	36	20	21.33	21.35	21.25
15	64QAM	36	39	21.21	21.26	21.35
15	64QAM	75	0	21.20	21.27	21.26



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18650	18900	19150
Frequency (MHz)				1855	1880	1905
10	QPSK	1	0	22.04	22.03	22.13
10	QPSK	1	25	22.15	22.25	22.13
10	QPSK	1	49	22.04	22.12	22.04
10	QPSK	25	0	21.31	21.32	21.28
10	QPSK	25	12	21.27	21.39	21.32
10	QPSK	25	25	21.18	21.31	21.27
10	QPSK	50	0	21.24	21.33	21.31
10	16QAM	1	0	21.72	21.65	21.64
10	16QAM	1	25	21.41	21.37	21.44
10	16QAM	1	49	21.36	21.44	21.23
10	16QAM	25	0	21.26	21.25	21.22
10	16QAM	25	12	21.42	21.22	21.22
10	16QAM	25	25	21.22	21.42	21.52
10	16QAM	50	0	21.79	21.72	21.76
10	64QAM	1	0	21.30	21.35	21.35
10	64QAM	1	25	21.33	21.38	21.42
10	64QAM	1	49	21.00	21.13	21.10
10	64QAM	25	0	21.30	21.34	21.35
10	64QAM	25	12	21.33	21.31	21.32
10	64QAM	25	25	21.26	21.04	21.26
10	64QAM	50	0	21.27	21.27	21.24





LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18625	18900	19175
Frequency (MHz)				1852.5	1880	1907.5
5	QPSK	1	0	22.18	22.23	22.17
5	QPSK	1	12	22.17	22.12	22.15
5	QPSK	1	24	22.13	22.21	22.22
5	QPSK	12	0	21.30	21.21	21.28
5	QPSK	12	7	21.31	21.36	21.28
5	QPSK	12	13	21.30	21.29	21.32
5	QPSK	25	0	21.29	21.27	21.29
5	16QAM	1	0	21.42	21.32	21.70
5	16QAM	1	12	21.40	21.33	21.70
5	16QAM	1	24	21.43	21.30	21.69
5	16QAM	12	0	21.52	21.66	21.52
5	16QAM	12	7	21.42	21.42	21.22
5	16QAM	12	13	21.22	21.55	21.32
5	16QAM	25	0	21.32	21.78	21.76
5	64QAM	1	0	21.52	21.24	21.29
5	64QAM	1	12	21.68	21.34	21.45
5	64QAM	1	24	21.69	21.33	21.35
5	64QAM	12	0	21.34	21.27	21.26
5	64QAM	12	7	21.40	21.24	21.24
5	64QAM	12	13	21.37	21.33	21.31
5	64QAM	25	0	21.44	21.24	21.31



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18615	18900	19185
Frequency (MHz)				1851.5	1880	1908.5
3	QPSK	1	0	22.12	22.19	22.11
3	QPSK	1	8	22.22	22.25	22.08
3	QPSK	1	14	22.23	22.10	22.10
3	QPSK	8	0	21.18	21.13	21.15
3	QPSK	8	4	21.24	21.18	21.19
3	QPSK	8	7	21.24	21.18	21.14
3	QPSK	15	0	21.16	21.24	21.17
3	16QAM	1	0	21.32	21.23	21.17
3	16QAM	1	8	21.36	21.30	21.26
3	16QAM	1	14	21.29	21.26	21.14
3	16QAM	8	0	21.72	21.85	21.77
3	16QAM	8	4	21.79	21.76	21.82
3	16QAM	8	7	21.69	21.74	21.77
3	16QAM	15	0	21.72	21.76	21.71
3	64QAM	1	0	21.25	21.18	21.21
3	64QAM	1	8	21.67	21.66	21.26
3	64QAM	1	14	21.28	21.64	21.28
3	64QAM	8	0	21.20	21.22	21.06
3	64QAM	8	4	21.30	21.20	21.20
3	64QAM	8	7	21.40	21.29	21.15
3	64QAM	15	0	21.25	21.25	21.23



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18607	18900	19193
Frequency (MHz)				1850.7	1880	1909.3
1.4	QPSK	1	0	22.18	22.21	22.16
1.4	QPSK	1	3	22.08	22.06	22.05
1.4	QPSK	1	5	22.05	22.03	22.01
1.4	QPSK	3	0	22.05	22.05	22.01
1.4	QPSK	3	1	22.09	22.06	22.04
1.4	QPSK	3	3	22.11	22.15	22.04
1.4	QPSK	6	0	21.14	21.12	21.11
1.4	16QAM	1	0	21.17	21.17	21.11
1.4	16QAM	1	3	21.13	21.33	21.31
1.4	16QAM	1	5	21.01	21.21	20.89
1.4	16QAM	3	0	21.03	21.08	21.05
1.4	16QAM	3	1	21.21	21.03	21.08
1.4	16QAM	3	3	21.23	21.20	20.94
1.4	16QAM	6	0	21.24	21.17	21.12
1.4	64QAM	1	0	21.12	21.04	21.07
1.4	64QAM	1	3	21.14	21.35	21.23
1.4	64QAM	1	5	21.12	21.47	21.06
1.4	64QAM	3	0	21.15	21.21	21.22
1.4	64QAM	3	1	21.24	21.21	21.42
1.4	64QAM	3	3	21.16	21.30	21.07
1.4	64QAM	6	0	21.21	21.24	21.13



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	22.29	22.37	22.36
20	QPSK	1	49	22.15	22.23	22.22
20	QPSK	1	99	22.07	22.20	22.32
20	QPSK	50	0	21.36	21.49	21.46
20	QPSK	50	24	21.36	21.44	21.44
20	QPSK	50	50	21.25	21.36	21.37
20	QPSK	100	0	21.35	21.39	21.46
20	16QAM	1	0	21.22	21.52	21.39
20	16QAM	1	49	21.37	21.14	21.28
20	16QAM	1	99	21.16	21.38	21.22
20	16QAM	50	0	21.35	21.28	21.42
20	16QAM	50	24	21.61	21.72	21.61
20	16QAM	50	50	21.57	21.58	21.58
20	16QAM	100	0	21.59	21.67	21.68
20	64QAM	1	0	21.33	21.44	21.66
20	64QAM	1	49	21.37	21.30	21.18
20	64QAM	1	99	21.64	21.21	21.68
20	64QAM	50	0	21.34	21.43	21.38
20	64QAM	50	24	21.36	21.47	21.41
20	64QAM	50	50	21.40	21.35	21.37
20	64QAM	100	0	21.43	21.41	21.50



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20025	20175	20325
Frequency (MHz)				1717.5	1732.5	1747.5
15	QPSK	1	0	22.16	22.20	22.30
15	QPSK	1	37	22.20	22.29	22.21
15	QPSK	1	74	22.07	22.29	22.32
15	QPSK	36	0	21.30	21.37	21.40
15	QPSK	36	20	21.34	21.47	21.43
15	QPSK	36	39	21.39	21.38	21.47
15	QPSK	75	0	21.34	21.36	21.37
15	16QAM	1	0	21.28	21.50	21.22
15	16QAM	1	37	21.36	21.36	21.20
15	16QAM	1	74	21.22	21.52	21.31
15	16QAM	36	0	21.23	21.25	21.44
15	16QAM	36	20	21.18	21.25	21.31
15	16QAM	36	39	21.14	21.23	21.29
15	16QAM	75	0	21.25	21.26	21.35
15	64QAM	1	0	21.20	21.51	21.56
15	64QAM	1	37	21.62	21.38	21.44
15	64QAM	1	74	21.66	21.37	21.41
15	64QAM	36	0	21.31	21.38	21.42
15	64QAM	36	20	21.37	21.39	21.41
15	64QAM	36	39	21.40	21.36	21.38
15	64QAM	75	0	21.33	21.44	21.37



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	22.08	22.27	22.10
10	QPSK	1	25	22.06	22.19	22.20
10	QPSK	1	49	22.14	21.97	22.20
10	QPSK	25	0	21.13	21.35	21.37
10	QPSK	25	12	21.25	21.31	21.35
10	QPSK	25	25	21.14	21.25	21.32
10	QPSK	50	0	21.20	21.30	21.22
10	16QAM	1	0	21.19	21.34	21.10
10	16QAM	1	25	21.46	21.20	21.52
10	16QAM	1	49	21.53	21.43	21.42
10	16QAM	25	0	21.19	21.18	21.17
10	16QAM	25	12	21.11	21.21	21.18
10	16QAM	25	25	21.45	21.36	21.45
10	16QAM	50	0	21.39	21.43	21.55
10	64QAM	1	0	21.25	21.33	21.23
10	64QAM	1	25	21.32	21.61	21.70
10	64QAM	1	49	21.30	21.34	21.29
10	64QAM	25	0	21.14	21.28	21.27
10	64QAM	25	12	21.23	21.34	21.38
10	64QAM	25	25	21.11	21.23	21.25
10	64QAM	50	0	21.17	21.24	21.23



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	21.98	22.20	22.25
5	QPSK	1	12	22.04	22.19	22.16
5	QPSK	1	24	21.99	22.11	22.10
5	QPSK	12	0	21.21	21.21	21.25
5	QPSK	12	7	21.21	21.32	21.29
5	QPSK	12	13	21.16	21.33	21.25
5	QPSK	25	0	21.19	21.23	21.29
5	16QAM	1	0	21.09	21.50	21.18
5	16QAM	1	12	21.20	21.55	21.14
5	16QAM	1	24	21.14	21.49	21.09
5	16QAM	12	0	21.13	21.07	21.10
5	16QAM	12	7	21.16	21.20	21.18
5	16QAM	12	13	21.43	21.50	21.54
5	16QAM	25	0	21.44	21.55	21.48
5	64QAM	1	0	21.21	21.65	21.63
5	64QAM	1	12	21.59	21.35	21.62
5	64QAM	1	24	21.55	21.25	21.32
5	64QAM	12	0	21.22	21.29	21.31
5	64QAM	12	7	21.21	21.30	21.36
5	64QAM	12	13	21.22	21.28	21.27
5	64QAM	25	0	21.17	21.31	21.22



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19965	20175	20385
Frequency (MHz)				1711.5	1732.5	1753.5
3	QPSK	1	0	22.10	22.11	22.23
3	QPSK	1	8	22.19	22.33	22.27
3	QPSK	1	14	21.99	22.18	22.18
3	QPSK	8	0	21.19	21.25	21.26
3	QPSK	8	4	21.25	21.33	21.35
3	QPSK	8	7	21.21	21.31	21.31
3	QPSK	15	0	21.21	21.27	21.21
3	16QAM	1	0	21.29	21.38	21.42
3	16QAM	1	8	21.51	21.51	21.25
3	16QAM	1	14	21.42	21.20	21.28
3	16QAM	8	0	21.21	21.22	21.31
3	16QAM	8	4	21.31	21.31	21.32
3	16QAM	8	7	21.53	21.61	21.65
3	16QAM	15	0	21.53	21.51	21.58
3	64QAM	1	0	21.20	21.29	21.27
3	64QAM	1	8	21.39	21.27	21.43
3	64QAM	1	14	21.20	21.27	21.10
3	64QAM	8	0	21.18	21.22	21.16
3	64QAM	8	4	21.30	21.28	21.32
3	64QAM	8	7	21.24	21.31	21.43
3	64QAM	15	0	21.20	21.28	21.19





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	21.85	22.06	22.07
1.4	QPSK	1	3	22.19	22.19	22.23
1.4	QPSK	1	5	22.05	22.14	22.16
1.4	QPSK	3	0	22.13	22.10	22.09
1.4	QPSK	3	1	22.09	22.19	22.24
1.4	QPSK	3	3	22.08	22.15	22.14
1.4	QPSK	6	0	21.24	21.26	21.22
1.4	16QAM	1	0	21.18	21.65	21.31
1.4	16QAM	1	3	21.31	21.39	21.43
1.4	16QAM	1	5	21.37	21.53	21.33
1.4	16QAM	3	0	21.40	21.44	21.35
1.4	16QAM	3	1	21.41	21.44	21.46
1.4	16QAM	3	3	21.40	21.52	21.41
1.4	16QAM	6	0	21.31	21.32	21.23
1.4	64QAM	1	0	21.09	21.03	21.17
1.4	64QAM	1	3	21.35	21.33	21.45
1.4	64QAM	1	5	21.26	21.22	21.06
1.4	64QAM	3	0	21.17	21.15	21.34
1.4	64QAM	3	1	21.08	21.23	21.20
1.4	64QAM	3	3	21.14	21.31	21.19
1.4	64QAM	6	0	21.13	21.14	21.21



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				20450	20525	20600
Frequency (MHz)				829	836.5	844
10	QPSK	1	0	22.31	22.32	22.24
10	QPSK	1	25	22.17	22.20	22.00
10	QPSK	1	49	22.09	22.21	21.89
10	QPSK	25	0	21.62	21.64	21.45
10	QPSK	25	12	21.38	21.40	21.45
10	QPSK	25	25	21.38	21.49	21.54
10	QPSK	50	0	21.44	21.32	21.46
10	16QAM	1	0	21.48	21.67	21.38
10	16QAM	1	25	21.71	21.74	21.42
10	16QAM	1	49	21.54	21.60	21.67
10	16QAM	25	0	21.63	21.64	21.46
10	16QAM	25	12	21.57	21.65	21.43
10	16QAM	25	25	21.60	21.53	21.56
10	16QAM	50	0	21.61	21.52	21.42
10	64QAM	1	0	21.57	21.67	21.55
10	64QAM	1	25	21.54	21.74	21.54
10	64QAM	1	49	21.43	21.65	21.56
10	64QAM	25	0	21.54	21.65	21.32
10	64QAM	25	12	21.53	21.70	21.41
10	64QAM	25	25	21.65	21.54	21.24
10	64QAM	50	0	21.61	21.57	21.43



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	22.26	22.22	22.20
5	QPSK	1	12	22.16	22.27	22.11
5	QPSK	1	24	22.16	22.11	22.11
5	QPSK	12	0	21.53	21.58	21.44
5	QPSK	12	7	21.60	21.61	21.53
5	QPSK	12	13	21.65	21.49	21.44
5	QPSK	25	0	21.56	21.52	21.44
5	16QAM	1	0	21.85	21.78	21.54
5	16QAM	1	12	21.55	21.77	21.53
5	16QAM	1	24	21.42	21.77	21.60
5	16QAM	12	0	21.51	21.60	21.59
5	16QAM	12	7	21.58	21.61	21.43
5	16QAM	12	13	21.58	21.49	21.54
5	16QAM	25	0	21.59	21.64	21.59
5	64QAM	1	0	21.66	21.54	21.65
5	64QAM	1	12	21.54	21.48	21.62
5	64QAM	1	24	21.68	21.52	21.46
5	64QAM	12	0	21.40	21.54	21.34
5	64QAM	12	7	21.44	21.60	21.38
5	64QAM	12	13	21.62	21.57	21.14
5	64QAM	25	0	21.50	21.57	21.18



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	21.95	22.26	22.11
3	QPSK	1	8	22.21	22.22	22.13
3	QPSK	1	14	22.22	22.20	21.94
3	QPSK	8	0	21.46	21.59	21.57
3	QPSK	8	4	21.60	21.66	21.63
3	QPSK	8	7	21.55	21.57	21.44
3	QPSK	15	0	21.53	21.59	21.58
3	16QAM	1	0	21.55	21.66	21.73
3	16QAM	1	8	21.48	21.74	21.58
3	16QAM	1	14	21.53	21.79	21.54
3	16QAM	8	0	21.49	21.58	21.32
3	16QAM	8	4	21.65	21.76	21.33
3	16QAM	8	7	21.57	21.63	21.37
3	16QAM	15	0	21.51	21.53	21.08
3	64QAM	1	0	21.46	21.34	21.55
3	64QAM	1	8	21.34	21.58	21.34
3	64QAM	1	14	21.36	21.54	21.35
3	64QAM	8	0	21.46	21.56	21.54
3	64QAM	8	4	21.68	21.52	21.46
3	64QAM	8	7	21.63	21.55	21.52
3	64QAM	15	0	21.52	21.62	21.42



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	22.16	22.23	22.27
1.4	QPSK	1	3	22.29	22.22	22.29
1.4	QPSK	1	5	22.18	22.12	22.13
1.4	QPSK	3	0	22.19	22.25	22.21
1.4	QPSK	3	1	22.25	22.12	22.22
1.4	QPSK	3	3	22.26	22.18	22.18
1.4	QPSK	6	0	21.51	21.50	21.49
1.4	16QAM	1	0	21.64	21.45	21.62
1.4	16QAM	1	3	21.44	21.68	21.57
1.4	16QAM	1	5	21.83	21.51	21.57
1.4	16QAM	3	0	21.36	21.34	21.48
1.4	16QAM	3	1	21.39	21.66	21.52
1.4	16QAM	3	3	21.47	21.58	21.46
1.4	16QAM	6	0	21.66	21.53	21.57
1.4	64QAM	1	0	21.19	21.36	21.38
1.4	64QAM	1	3	21.50	21.51	21.46
1.4	64QAM	1	5	21.45	21.44	21.32
1.4	64QAM	3	0	21.11	21.38	21.39
1.4	64QAM	3	1	21.39	21.33	21.34
1.4	64QAM	3	3	21.29	21.46	21.50
1.4	64QAM	6	0	21.50	21.62	21.51



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	21.82	21.83	21.75
20	QPSK	1	49	21.77	21.81	21.70
20	QPSK	1	99	21.72	21.67	21.72
20	QPSK	50	0	20.68	20.75	20.72
20	QPSK	50	24	20.44	20.41	20.31
20	QPSK	50	50	20.54	20.57	20.54
20	QPSK	100	0	20.49	20.51	20.48
20	16QAM	1	0	20.30	20.40	20.58
20	16QAM	1	49	20.45	20.31	20.59
20	16QAM	1	99	20.39	20.70	20.35
20	16QAM	50	0	20.24	20.34	20.27
20	16QAM	50	24	20.29	20.21	20.32
20	16QAM	50	50	20.37	20.42	20.25
20	16QAM	100	0	20.25	20.37	20.35
20	64QAM	1	0	20.73	20.57	20.30
20	64QAM	1	49	20.67	20.64	20.69
20	64QAM	1	99	20.65	20.70	20.61
20	64QAM	50	0	20.39	20.40	20.45
20	64QAM	50	24	20.44	20.45	20.45
20	64QAM	50	50	20.48	20.55	20.40
20	64QAM	100	0	20.41	20.38	20.50



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20825	21100	21375
Frequency (MHz)				2507.5	2535	2562.5
15	QPSK	1	0	21.65	21.74	21.74
15	QPSK	1	37	21.75	21.72	21.76
15	QPSK	1	74	21.69	21.76	21.76
15	QPSK	36	0	20.47	20.56	20.58
15	QPSK	36	20	20.55	20.62	20.57
15	QPSK	36	39	20.58	20.61	20.65
15	QPSK	75	0	20.64	20.57	20.59
15	16QAM	1	0	20.80	20.91	20.98
15	16QAM	1	37	20.62	20.73	20.71
15	16QAM	1	74	20.66	20.66	20.88
15	16QAM	36	0	20.25	20.36	20.38
15	16QAM	36	20	20.32	20.35	20.34
15	16QAM	36	39	20.38	20.36	20.25
15	16QAM	75	0	20.33	20.41	20.33
15	64QAM	1	0	20.63	20.60	20.48
15	64QAM	1	37	20.53	20.68	20.77
15	64QAM	1	74	20.52	20.64	20.70
15	64QAM	36	0	20.37	20.45	20.44
15	64QAM	36	20	20.48	20.47	20.54
15	64QAM	36	39	20.52	20.43	20.45
15	64QAM	75	0	20.37	20.47	20.42



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	21.64	21.51	21.54
10	QPSK	1	25	21.67	21.57	21.59
10	QPSK	1	49	21.60	21.57	21.59
10	QPSK	25	0	20.39	20.39	20.38
10	QPSK	25	12	20.35	20.47	20.52
10	QPSK	25	25	20.28	20.46	20.46
10	QPSK	50	0	20.37	20.49	20.48
10	16QAM	1	0	20.42	20.60	20.45
10	16QAM	1	25	20.41	20.43	20.48
10	16QAM	1	49	20.88	20.78	20.69
10	16QAM	25	0	20.31	20.19	20.27
10	16QAM	25	12	20.13	20.30	20.23
10	16QAM	25	25	20.18	20.21	20.13
10	16QAM	50	0	20.21	20.30	20.15
10	64QAM	1	0	20.63	20.59	20.57
10	64QAM	1	25	20.32	20.57	20.40
10	64QAM	1	49	20.43	20.67	20.48
10	64QAM	25	0	20.29	20.27	20.31
10	64QAM	25	12	20.31	20.42	20.35
10	64QAM	25	25	20.24	20.14	20.13
10	64QAM	50	0	20.18	20.24	20.16





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	21.68	21.59	21.49
5	QPSK	1	12	21.55	21.48	21.56
5	QPSK	1	24	21.49	21.55	21.59
5	QPSK	12	0	20.19	20.27	20.19
5	QPSK	12	7	20.26	20.41	20.33
5	QPSK	12	13	20.28	20.44	20.29
5	QPSK	25	0	20.29	20.30	20.25
5	16QAM	1	0	20.27	20.25	20.31
5	16QAM	1	12	20.32	20.54	20.44
5	16QAM	1	24	20.38	20.57	20.39
5	16QAM	12	0	20.29	20.35	20.26
5	16QAM	12	7	20.18	20.20	20.16
5	16QAM	12	13	20.18	20.24	20.37
5	16QAM	25	0	20.15	20.20	20.22
5	64QAM	1	0	20.39	20.44	20.40
5	64QAM	1	12	20.44	20.56	20.44
5	64QAM	1	24	20.48	20.58	20.54
5	64QAM	12	0	20.19	20.16	20.21
5	64QAM	12	7	20.28	20.33	20.12
5	64QAM	12	13	20.23	20.32	20.18
5	64QAM	25	0	20.18	20.17	20.22



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	22.52	22.68	22.57
10	QPSK	1	25	22.38	22.51	22.54
10	QPSK	1	49	22.48	22.49	22.48
10	QPSK	25	0	21.77	21.87	21.78
10	QPSK	25	12	21.74	21.68	21.47
10	QPSK	25	25	21.79	21.85	21.78
10	QPSK	50	0	21.80	21.82	21.73
10	16QAM	1	0	21.73	21.28	21.41
10	16QAM	1	25	21.48	21.43	21.57
10	16QAM	1	49	21.57	21.62	21.51
10	16QAM	25	0	21.46	21.48	21.42
10	16QAM	25	12	21.50	21.54	21.43
10	16QAM	25	25	21.55	21.56	21.50
10	16QAM	50	0	21.45	21.53	21.58
10	64QAM	1	0	21.30	21.42	21.76
10	64QAM	1	25	21.74	21.80	21.39
10	64QAM	1	49	21.76	21.44	21.37
10	64QAM	25	0	21.27	21.21	21.18
10	64QAM	25	12	21.32	21.35	21.27
10	64QAM	25	25	21.37	21.34	21.34
10	64QAM	50	0	21.29	21.22	21.33



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	22.27	22.60	22.38
5	QPSK	1	12	22.43	22.59	22.43
5	QPSK	1	24	22.39	22.58	22.44
5	QPSK	12	0	21.50	21.57	21.56
5	QPSK	12	7	21.61	21.63	21.60
5	QPSK	12	13	21.56	21.59	21.56
5	QPSK	25	0	21.52	21.64	21.60
5	16QAM	1	0	21.53	21.55	21.57
5	16QAM	1	12	21.70	21.65	21.66
5	16QAM	1	24	21.66	21.64	21.60
5	16QAM	12	0	21.40	21.37	21.40
5	16QAM	12	7	21.54	21.59	21.43
5	16QAM	12	13	21.49	21.46	21.51
5	16QAM	25	0	21.50	21.46	21.48
5	64QAM	1	0	21.28	21.29	21.34
5	64QAM	1	12	21.73	21.43	21.36
5	64QAM	1	24	21.71	21.40	21.45
5	64QAM	12	0	21.25	21.27	21.22
5	64QAM	12	7	21.35	21.23	21.29
5	64QAM	12	13	21.22	21.32	21.37
5	64QAM	25	0	21.37	21.33	21.30



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	22.35	22.62	22.29
3	QPSK	1	8	22.53	22.52	22.42
3	QPSK	1	14	22.47	22.58	22.53
3	QPSK	8	0	21.58	21.56	21.56
3	QPSK	8	4	21.61	21.64	21.65
3	QPSK	8	7	21.56	21.64	21.58
3	QPSK	15	0	21.55	21.63	21.49
3	16QAM	1	0	21.56	21.92	21.51
3	16QAM	1	8	21.76	21.74	21.69
3	16QAM	1	14	21.59	21.64	21.50
3	16QAM	8	0	21.56	21.45	21.48
3	16QAM	8	4	21.61	21.58	21.69
3	16QAM	8	7	21.45	21.48	21.54
3	16QAM	15	0	21.43	21.36	21.35
3	64QAM	1	0	21.29	21.63	21.62
3	64QAM	1	8	21.58	21.48	21.49
3	64QAM	1	14	21.51	21.36	21.47
3	64QAM	8	0	21.18	21.26	21.17
3	64QAM	8	4	21.27	21.31	21.30
3	64QAM	8	7	21.26	21.18	21.33
3	64QAM	15	0	21.25	21.27	21.19



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23017	23095	23173
Frequency (MHz)				699.7	707.5	715.3
1.4	QPSK	1	0	22.38	22.55	22.35
1.4	QPSK	1	3	22.49	22.48	22.50
1.4	QPSK	1	5	22.38	22.43	22.39
1.4	QPSK	3	0	22.33	22.46	22.44
1.4	QPSK	3	1	22.54	22.54	22.21
1.4	QPSK	3	3	22.49	22.51	22.47
1.4	QPSK	6	0	21.55	21.52	21.50
1.4	16QAM	1	0	21.59	21.53	21.38
1.4	16QAM	1	3	21.40	21.83	21.50
1.4	16QAM	1	5	21.52	21.53	21.52
1.4	16QAM	3	0	21.36	21.39	21.40
1.4	16QAM	3	1	21.52	21.60	21.44
1.4	16QAM	3	3	21.35	21.49	21.49
1.4	16QAM	6	0	21.28	21.48	21.38
1.4	64QAM	1	0	21.13	21.28	21.12
1.4	64QAM	1	3	21.25	21.18	21.23
1.4	64QAM	1	5	21.41	21.44	21.40
1.4	64QAM	3	0	21.31	21.32	21.15
1.4	64QAM	3	1	21.29	21.53	21.38
1.4	64QAM	3	3	21.31	21.15	21.31
1.4	64QAM	6	0	21.27	21.28	21.15



LTE Band 13						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				/	23230	/
Frequency (MHz)				/	782	/
10	QPSK	1	0	/	22.25	/
10	QPSK	1	25	/	22.17	/
10	QPSK	1	49	/	22.22	/
10	QPSK	25	0	/	21.34	/
10	QPSK	25	12	/	21.15	/
10	QPSK	25	25	/	21.09	/
10	QPSK	50	0	/	21.12	/
10	16QAM	1	0	/	21.24	/
10	16QAM	1	25	/	21.16	/
10	16QAM	1	49	/	21.46	/
10	16QAM	25	0	/	21.27	/
10	16QAM	25	12	/	21.22	/
10	16QAM	25	25	/	21.35	/
10	16QAM	50	0	/	21.12	/
10	64QAM	1	0	/	21.42	/
10	64QAM	1	25	/	21.24	/
10	64QAM	1	49	/	21.21	/
10	64QAM	25	0	/	21.14	/
10	64QAM	25	12	/	21.07	/
10	64QAM	25	25	/	21.13	/
10	64QAM	50	0	/	21.20	/



LTE Band 13						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23205	23230	23255
Frequency (MHz)				779.5	782	784.5
5	QPSK	1	0	22.14	22.17	22.15
5	QPSK	1	12	22.14	22.16	22.12
5	QPSK	1	24	22.13	22.11	22.04
5	QPSK	12	0	21.05	21.13	21.22
5	QPSK	12	7	21.12	21.11	21.20
5	QPSK	12	13	21.04	21.20	21.18
5	QPSK	25	0	21.11	21.08	21.18
5	16QAM	1	0	21.18	21.54	21.33
5	16QAM	1	12	21.24	21.39	21.27
5	16QAM	1	24	21.34	21.16	21.17
5	16QAM	12	0	21.77	21.74	21.67
5	16QAM	12	7	21.78	21.67	21.79
5	16QAM	12	13	21.75	21.74	21.78
5	16QAM	25	0	21.12	21.16	21.18
5	64QAM	1	0	21.38	21.36	21.28
5	64QAM	1	12	21.34	21.24	21.37
5	64QAM	1	24	21.35	21.34	21.34
5	64QAM	12	0	21.17	21.23	21.30
5	64QAM	12	7	21.34	21.13	21.23
5	64QAM	12	13	21.13	21.24	21.14
5	64QAM	25	0	21.04	21.15	21.15



LTE Band 25						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26140	26365	26590
Frequency (MHz)				1860	1882.5	1905
20	QPSK	1	0	22.36	22.39	22.36
20	QPSK	1	49	22.24	22.20	22.26
20	QPSK	1	99	22.17	22.20	22.15
20	QPSK	50	0	21.47	21.53	21.45
20	QPSK	50	24	21.32	21.26	21.40
20	QPSK	50	50	21.30	21.30	21.39
20	QPSK	100	0	21.43	21.30	21.31
20	16QAM	1	0	21.16	21.35	21.49
20	16QAM	1	49	21.37	21.66	21.50
20	16QAM	1	99	21.33	21.58	21.63
20	16QAM	50	0	21.27	21.51	21.50
20	16QAM	50	24	21.33	21.48	21.46
20	16QAM	50	50	21.16	21.42	21.47
20	16QAM	100	0	21.20	21.49	21.46
20	64QAM	1	0	21.17	21.50	21.18
20	64QAM	1	49	21.40	21.30	21.20
20	64QAM	1	99	21.14	21.17	21.17
20	64QAM	50	0	21.32	21.49	21.47
20	64QAM	50	24	21.24	21.32	21.49
20	64QAM	50	50	21.18	21.39	21.55
20	64QAM	100	0	21.25	21.48	21.49





LTE Band 25						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26115	26365	26615
Frequency (MHz)				1857.5	1882.5	1907.5
15	QPSK	1	0	22.30	22.26	22.22
15	QPSK	1	37	22.29	22.25	22.24
15	QPSK	1	74	22.21	22.27	22.26
15	QPSK	36	0	21.37	21.55	21.71
15	QPSK	36	20	21.49	21.58	21.66
15	QPSK	36	39	21.32	21.60	21.66
15	QPSK	75	0	21.35	21.52	21.65
15	16QAM	1	0	21.83	21.88	21.60
15	16QAM	1	37	22.00	21.56	21.93
15	16QAM	1	74	21.84	21.89	22.05
15	16QAM	36	0	21.28	21.31	21.52
15	16QAM	36	20	21.28	21.35	21.47
15	16QAM	36	39	21.19	21.44	21.47
15	16QAM	75	0	21.29	21.41	21.45
15	64QAM	1	0	21.09	21.10	21.10
15	64QAM	1	37	21.13	21.10	21.18
15	64QAM	1	74	21.18	21.18	21.10
15	64QAM	36	0	21.24	21.29	21.53
15	64QAM	36	20	21.37	21.45	21.39
15	64QAM	36	39	21.22	21.40	21.42
15	64QAM	75	0	21.19	21.38	21.54



LTE Band 25						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26090	26365	26640
Frequency (MHz)				1855	1882.5	1910
10	QPSK	1	0	22.30	22.31	22.22
10	QPSK	1	25	22.25	22.19	22.18
10	QPSK	1	49	22.28	22.26	22.18
10	QPSK	25	0	21.62	21.54	21.48
10	QPSK	25	12	21.45	21.60	21.48
10	QPSK	25	25	21.47	21.59	21.26
10	QPSK	50	0	21.63	21.59	21.70
10	16QAM	1	0	21.58	21.48	21.73
10	16QAM	1	25	21.52	21.30	21.76
10	16QAM	1	49	21.50	21.73	21.73
10	16QAM	25	0	21.50	21.29	21.69
10	16QAM	25	12	21.27	21.38	21.49
10	16QAM	25	25	21.37	21.33	21.39
10	16QAM	50	0	21.28	21.45	21.19
10	64QAM	1	0	21.17	21.40	21.27
10	64QAM	1	25	21.10	21.20	21.38
10	64QAM	1	49	21.17	21.22	21.45
10	64QAM	25	0	21.23	21.34	21.55
10	64QAM	25	12	21.24	21.45	21.56
10	64QAM	25	25	21.22	21.46	21.60
10	64QAM	50	0	21.25	21.35	21.48



LTE Band 25						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26065	26365	26665
Frequency (MHz)				1852.5	1882.5	1912.5
5	QPSK	1	0	22.24	22.29	22.26
5	QPSK	1	12	22.22	22.22	22.21
5	QPSK	1	24	22.28	22.26	22.24
5	QPSK	12	0	21.67	21.41	21.67
5	QPSK	12	7	21.80	21.66	21.77
5	QPSK	12	13	21.37	21.76	21.69
5	QPSK	25	0	21.74	21.53	21.70
5	16QAM	1	0	21.74	21.44	21.63
5	16QAM	1	12	21.46	21.30	21.74
5	16QAM	1	24	21.37	21.39	21.73
5	16QAM	12	0	21.24	21.22	21.58
5	16QAM	12	7	21.27	21.39	21.35
5	16QAM	12	13	21.24	21.35	21.50
5	16QAM	25	0	21.15	21.32	21.42
5	64QAM	1	0	21.12	21.36	21.39
5	64QAM	1	12	21.17	21.20	21.19
5	64QAM	1	24	21.20	21.10	21.18
5	64QAM	12	0	21.19	21.31	21.46
5	64QAM	12	7	21.20	21.48	21.55
5	64QAM	12	13	21.13	21.38	21.47
5	64QAM	25	0	21.19	21.36	21.51



LTE Band 25						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26055	26365	26675
Frequency (MHz)				1851.5	1882.5	1913.5
3	QPSK	1	0	22.23	22.25	22.27
3	QPSK	1	8	22.26	22.21	22.25
3	QPSK	1	14	22.14	22.22	22.15
3	QPSK	8	0	21.32	21.45	21.51
3	QPSK	8	4	21.47	21.44	21.62
3	QPSK	8	7	21.31	21.45	21.54
3	QPSK	15	0	21.38	21.44	21.58
3	16QAM	1	0	21.44	21.52	21.68
3	16QAM	1	8	21.72	21.68	21.52
3	16QAM	1	14	21.78	21.68	21.63
3	16QAM	8	0	21.22	21.22	21.22
3	16QAM	8	4	21.22	21.38	21.57
3	16QAM	8	7	21.33	21.52	21.58
3	16QAM	15	0	21.37	21.27	21.48
3	64QAM	1	0	21.42	21.24	21.39
3	64QAM	1	8	21.46	21.17	21.18
3	64QAM	1	14	21.37	21.18	21.20
3	64QAM	8	0	21.25	21.35	21.51
3	64QAM	8	4	21.20	21.40	21.47
3	64QAM	8	7	21.18	21.24	21.58
3	64QAM	15	0	21.17	21.25	21.46



LTE Band 25						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26047	26365	26683
Frequency (MHz)				1850.7	1882.5	1914.3
1.4	QPSK	1	0	22.24	22.24	22.22
1.4	QPSK	1	3	22.21	22.22	22.16
1.4	QPSK	1	5	22.16	22.22	22.13
1.4	QPSK	3	0	22.11	22.15	22.24
1.4	QPSK	3	1	22.14	22.18	22.21
1.4	QPSK	3	3	22.19	22.12	22.16
1.4	QPSK	6	0	21.43	21.60	21.42
1.4	16QAM	1	0	21.74	21.56	21.26
1.4	16QAM	1	3	21.52	21.26	21.51
1.4	16QAM	1	5	21.26	21.52	21.63
1.4	16QAM	3	0	21.49	21.51	21.53
1.4	16QAM	3	1	21.53	21.68	21.74
1.4	16QAM	3	3	21.30	21.54	21.78
1.4	16QAM	6	0	21.40	21.53	21.20
1.4	64QAM	1	0	21.20	21.50	21.37
1.4	64QAM	1	3	21.18	21.53	21.20
1.4	64QAM	1	5	21.19	21.60	21.39
1.4	64QAM	3	0	21.26	21.38	21.20
1.4	64QAM	3	1	21.17	21.20	21.18
1.4	64QAM	3	3	21.42	21.18	21.50
1.4	64QAM	6	0	21.23	21.41	21.46



LTE Band 26						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26865	26915	26965
Frequency (MHz)				831.5	836.5	841.5
15	QPSK	1	0	21.32	21.28	21.34
15	QPSK	1	37	22.12	22.13	22.21
15	QPSK	1	74	22.15	22.07	22.16
15	QPSK	36	0	21.46	21.42	21.48
15	QPSK	36	20	21.11	21.16	21.20
15	QPSK	36	39	21.22	21.24	21.28
15	QPSK	75	0	21.25	21.27	21.30
15	16QAM	1	0	21.55	21.60	21.64
15	16QAM	1	37	21.33	21.36	21.42
15	16QAM	1	74	21.12	21.15	21.22
15	16QAM	36	0	21.20	21.19	21.21
15	16QAM	36	20	21.19	21.17	21.22
15	16QAM	36	39	21.15	21.13	21.22
15	16QAM	75	0	21.15	21.15	21.24
15	64QAM	1	0	20.24	20.32	20.33
15	64QAM	1	37	20.40	20.35	20.43
15	64QAM	1	74	20.54	20.52	20.61
15	64QAM	36	0	20.45	20.46	20.49
15	64QAM	36	20	20.39	20.34	20.41
15	64QAM	36	39	20.23	20.24	20.32
15	64QAM	75	0	20.43	20.36	20.46



LTE Band 26						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26840	26915	26990
Frequency (MHz)				829.0	836.5	844.0
10	QPSK	1	0	22.15	22.04	22.13
10	QPSK	1	25	21.98	22.03	22.07
10	QPSK	1	49	22.08	21.99	22.06
10	QPSK	25	0	21.14	21.15	21.21
10	QPSK	25	12	21.02	21.08	21.11
10	QPSK	25	25	21.11	21.08	21.18
10	QPSK	50	0	21.21	21.11	21.20
10	16QAM	1	0	21.34	21.28	21.31
10	16QAM	1	25	21.41	21.36	21.45
10	16QAM	1	49	21.22	21.21	21.22
10	16QAM	25	0	21.68	21.68	21.69
10	16QAM	25	12	21.52	21.49	21.51
10	16QAM	25	25	21.32	21.34	21.38
10	16QAM	50	0	21.43	21.48	21.50
10	64QAM	1	0	20.36	20.31	20.41
10	64QAM	1	25	20.42	20.37	20.43
10	64QAM	1	49	20.44	20.32	20.40
10	64QAM	25	0	20.39	20.46	20.48
10	64QAM	25	12	20.49	20.41	20.47
10	64QAM	25	25	20.21	20.24	20.30
10	64QAM	50	0	20.38	20.38	20.44



LTE Band 26						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26815	26915	27015
Frequency (MHz)				826.5	836.5	846.5
5	QPSK	1	0	22.09	22.16	22.12
5	QPSK	1	12	22.04	22.03	22.12
5	QPSK	1	24	22.05	22.12	22.14
5	QPSK	12	0	21.21	21.20	21.19
5	QPSK	12	7	21.29	21.31	21.29
5	QPSK	12	13	21.11	21.14	21.18
5	QPSK	25	0	21.28	21.31	21.37
5	16QAM	1	0	21.21	21.27	21.23
5	16QAM	1	12	21.05	21.06	21.13
5	16QAM	1	24	21.30	21.29	21.36
5	16QAM	12	0	21.33	21.43	21.39
5	16QAM	12	7	21.08	21.12	21.15
5	16QAM	12	13	21.21	21.24	21.20
5	16QAM	25	0	21.13	21.25	21.22
5	64QAM	1	0	20.30	20.44	20.40
5	64QAM	1	12	20.39	20.33	20.41
5	64QAM	1	24	20.31	20.38	20.40
5	64QAM	12	0	20.23	20.25	20.31
5	64QAM	12	7	20.32	20.33	20.32
5	64QAM	12	13	20.18	20.26	20.24
5	64QAM	25	0	20.20	20.34	20.30





LTE Band 26						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26805	26915	27025
Frequency (MHz)				825.5	836.5	847.5
3	QPSK	1	0	22.08	22.14	22.17
3	QPSK	1	8	21.98	22.06	22.06
3	QPSK	1	14	22.16	22.14	22.13
3	QPSK	8	0	21.31	21.35	21.41
3	QPSK	8	4	21.10	21.10	21.18
3	QPSK	8	7	21.34	21.42	21.39
3	QPSK	15	0	21.20	21.29	21.30
3	16QAM	1	0	21.49	21.46	21.46
3	16QAM	1	8	21.40	21.45	21.42
3	16QAM	1	14	21.32	21.32	21.33
3	16QAM	8	0	21.19	21.29	21.27
3	16QAM	8	4	21.17	21.22	21.22
3	16QAM	8	7	21.09	21.21	21.18
3	16QAM	15	0	21.28	21.22	21.31
3	64QAM	1	0	20.46	20.42	20.52
3	64QAM	1	8	20.42	20.36	20.43
3	64QAM	1	14	20.62	20.59	20.59
3	64QAM	8	0	20.37	20.38	20.37
3	64QAM	8	4	20.40	20.41	20.37
3	64QAM	8	7	20.35	20.37	20.36
3	64QAM	15	0	20.37	20.36	20.34



LTE Band 26						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26797	26915	27033
Frequency (MHz)				824.7	836.5	848.3
1.4	QPSK	1	0	22.08	22.09	22.12
1.4	QPSK	1	3	22.04	22.06	22.04
1.4	QPSK	1	5	22.04	21.93	22.03
1.4	QPSK	3	0	21.98	22.02	22.05
1.4	QPSK	3	1	22.13	22.09	22.11
1.4	QPSK	3	3	22.17	22.09	22.14
1.4	QPSK	6	0	21.44	21.43	21.41
1.4	16QAM	1	0	21.18	21.21	21.28
1.4	16QAM	1	3	21.18	21.13	21.22
1.4	16QAM	1	5	21.27	21.35	21.32
1.4	16QAM	3	0	21.30	21.32	21.39
1.4	16QAM	3	1	21.22	21.27	21.30
1.4	16QAM	3	3	21.02	21.07	21.11
1.4	16QAM	6	0	21.71	21.60	21.69
1.4	64QAM	1	0	20.56	20.57	20.65
1.4	64QAM	1	3	20.62	20.63	20.69
1.4	64QAM	1	5	20.66	20.69	20.73
1.4	64QAM	3	0	20.62	20.59	20.69
1.4	64QAM	3	1	20.64	20.65	20.65
1.4	64QAM	3	3	20.50	20.50	20.60
1.4	64QAM	6	0	20.40	20.38	20.36



LTE Band 30						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				/	27710	/
Frequency (MHz)				/	2310	/
10	QPSK	1	0	/	22.39	/
10	QPSK	1	25	/	22.34	/
10	QPSK	1	49	/	22.38	/
10	QPSK	25	0	/	21.57	/
10	QPSK	25	12	/	21.46	/
10	QPSK	25	25	/	21.44	/
10	QPSK	50	0	/	21.55	/
10	16QAM	1	0	/	21.52	/
10	16QAM	1	25	/	21.43	/
10	16QAM	1	49	/	21.69	/
10	16QAM	25	0	/	21.55	/
10	16QAM	25	12	/	21.54	/
10	16QAM	25	25	/	21.52	/
10	16QAM	50	0	/	21.48	/
10	64QAM	1	0	/	21.25	/
10	64QAM	1	25	/	21.33	/
10	64QAM	1	49	/	21.32	/
10	64QAM	25	0	/	21.22	/
10	64QAM	25	12	/	21.47	/
10	64QAM	25	25	/	21.50	/
10	64QAM	50	0	/	21.48	/



LTE Band 30						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				27685	27710	27735
Frequency (MHz)				2307.5	2310	2312.5
5	QPSK	1	0	22.22	22.33	22.20
5	QPSK	1	12	22.28	22.27	22.37
5	QPSK	1	24	22.21	22.17	22.34
5	QPSK	12	0	21.55	21.62	21.56
5	QPSK	12	7	21.73	21.60	21.52
5	QPSK	12	13	21.58	21.51	21.54
5	QPSK	25	0	21.63	21.47	21.53
5	16QAM	1	0	21.62	21.69	21.55
5	16QAM	1	12	21.50	21.65	21.33
5	16QAM	1	24	21.61	21.26	21.36
5	16QAM	12	0	21.29	21.36	21.53
5	16QAM	12	7	21.32	21.36	21.37
5	16QAM	12	13	21.29	21.48	21.46
5	16QAM	25	0	21.37	21.47	21.59
5	64QAM	1	0	21.36	21.32	21.26
5	64QAM	1	12	21.23	21.32	21.23
5	64QAM	1	24	21.36	21.32	21.32
5	64QAM	12	0	21.32	21.36	21.25
5	64QAM	12	7	21.32	21.49	21.29
5	64QAM	12	13	21.50	21.48	21.51
5	64QAM	25	0	21.53	21.52	21.47



LTE Band 41 (Power Class 2)						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39750	40620	41490
Frequency (MHz)				2506	2593	2680
20	QPSK	1	0	25.16	26.27	25.69
20	QPSK	1	49	25.15	26.21	25.68
20	QPSK	1	99	25.04	26.20	25.54
20	QPSK	50	0	24.50	25.32	24.80
20	QPSK	50	24	24.40	25.23	24.71
20	QPSK	50	50	24.36	25.30	24.64
20	QPSK	100	0	24.49	25.21	24.76
20	16QAM	1	0	24.72	25.77	25.28
20	16QAM	1	49	24.65	25.67	25.24
20	16QAM	1	99	24.67	25.73	25.13
20	16QAM	50	0	23.64	24.47	23.92
20	16QAM	50	24	23.62	24.42	23.91
20	16QAM	50	50	23.50	24.47	23.81
20	16QAM	100	0	23.46	24.43	23.76
20	64QAM	1	0	24.63	25.69	25.16
20	64QAM	1	49	24.62	25.65	25.15
20	64QAM	1	99	24.48	25.52	25.04
20	64QAM	50	0	23.61	24.47	23.88
20	64QAM	50	24	23.61	24.46	23.85
20	64QAM	50	50	23.53	24.29	23.83
20	64QAM	100	0	23.41	24.46	23.69



LTE Band 41 (Power Class 2)						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39725	40620	41515
Frequency (MHz)				2503.5	2593	2682.5
15	QPSK	1	0	25.18	26.23	25.65
15	QPSK	1	37	25.12	26.20	25.57
15	QPSK	1	74	25.00	26.11	25.61
15	QPSK	36	0	24.52	25.35	24.77
15	QPSK	36	20	24.41	25.26	24.76
15	QPSK	36	39	24.48	25.24	24.59
15	QPSK	75	0	24.35	25.06	24.56
15	16QAM	1	0	24.72	25.75	25.18
15	16QAM	1	37	24.61	25.64	25.13
15	16QAM	1	74	24.59	25.50	25.11
15	16QAM	36	0	23.65	24.50	23.87
15	16QAM	36	20	23.64	24.43	23.76
15	16QAM	36	39	23.53	24.44	23.77
15	16QAM	75	0	23.64	24.36	23.80
15	64QAM	1	0	24.65	25.64	25.10
15	64QAM	1	37	24.60	25.62	25.03
15	64QAM	1	74	24.59	25.55	25.01
15	64QAM	36	0	23.64	24.48	23.86
15	64QAM	36	20	23.55	24.43	23.79
15	64QAM	36	39	23.46	24.30	23.75
15	64QAM	75	0	23.64	24.33	23.70



LTE Band 41 (Power Class 2)						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39700	40620	41540
Frequency (MHz)				2501	2593	2685
10	QPSK	1	0	24.50	24.66	24.36
10	QPSK	1	25	24.40	24.55	24.36
10	QPSK	1	49	24.35	24.58	24.28
10	QPSK	25	0	23.64	23.69	23.41
10	QPSK	25	12	23.58	23.58	23.33
10	QPSK	25	25	23.49	23.58	23.33
10	QPSK	50	0	23.49	23.54	23.24
10	16QAM	1	0	24.03	24.19	23.89
10	16QAM	1	25	23.92	24.17	23.88
10	16QAM	1	49	23.89	24.15	23.73
10	16QAM	25	0	22.58	22.78	22.40
10	16QAM	25	12	22.49	22.67	22.33
10	16QAM	25	25	22.56	22.69	22.40
10	16QAM	50	0	22.56	22.74	22.23
10	64QAM	1	0	24.23	24.38	23.81
10	64QAM	1	25	24.23	24.34	23.74
10	64QAM	1	49	24.08	24.22	23.80
10	64QAM	25	0	22.58	22.78	22.41
10	64QAM	25	12	22.52	22.73	22.40
10	64QAM	25	25	22.45	22.60	22.29
10	64QAM	50	0	22.41	22.77	22.22



LTE Band 41 (Power Class 2)						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39675	40620	41565
Frequency (MHz)				2498.5	2593	2687.5
5	QPSK	1	0	24.61	24.63	24.46
5	QPSK	1	12	24.65	24.58	24.38
5	QPSK	1	24	24.67	24.60	24.28
5	QPSK	12	0	23.58	23.62	23.35
5	QPSK	12	7	23.48	23.56	23.24
5	QPSK	12	13	23.48	23.51	23.32
5	QPSK	25	0	23.46	23.58	23.31
5	16QAM	1	0	24.11	24.19	24.07
5	16QAM	1	12	24.05	24.16	23.97
5	16QAM	1	24	24.00	24.06	23.94
5	16QAM	12	0	22.60	22.63	22.36
5	16QAM	12	7	22.55	22.56	22.32
5	16QAM	12	13	22.42	22.53	22.18
5	16QAM	25	0	22.40	22.57	22.20
5	64QAM	1	0	24.37	24.55	24.12
5	64QAM	1	12	24.36	24.41	24.03
5	64QAM	1	24	24.25	24.39	24.06
5	64QAM	12	0	22.50	22.55	22.25
5	64QAM	12	7	22.40	22.51	22.21
5	64QAM	12	13	22.48	22.49	22.08
5	64QAM	25	0	22.30	22.44	22.24





LTE Band 41 (Power Class 3)						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39750	40620	41490
Frequency (MHz)				2506	2593	2680
20	QPSK	1	0	21.56	21.68	21.62
20	QPSK	1	49	21.52	21.61	21.62
20	QPSK	1	99	21.46	21.57	21.42
20	QPSK	50	0	20.52	20.78	20.71
20	QPSK	50	24	20.52	20.55	20.52
20	QPSK	50	50	20.55	20.56	20.62
20	QPSK	100	0	20.52	20.62	20.52
20	16QAM	1	0	20.56	20.55	20.52
20	16QAM	1	49	20.55	20.55	20.52
20	16QAM	1	99	20.62	20.62	20.62
20	16QAM	50	0	20.53	20.55	20.52
20	16QAM	50	24	20.51	20.52	20.52
20	16QAM	50	50	20.57	20.98	20.62
20	16QAM	100	0	20.51	20.97	20.55
20	64QAM	1	0	20.66	20.77	20.56
20	64QAM	1	49	20.59	20.59	20.56
20	64QAM	1	99	20.69	20.55	20.52
20	64QAM	50	0	20.65	20.58	20.62
20	64QAM	50	24	20.50	20.65	20.55
20	64QAM	50	50	20.60	20.79	20.61
20	64QAM	100	0	20.58	20.82	20.62



LTE Band 41 (Power Class 3)						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39725	40620	41515
Frequency (MHz)				2503.5	2593	2682.5
15	QPSK	1	0	21.22	21.58	21.44
15	QPSK	1	37	21.21	21.62	21.55
15	QPSK	1	74	21.21	21.55	21.35
15	QPSK	36	0	20.38	20.57	21.38
15	QPSK	36	20	20.43	20.53	21.45
15	QPSK	36	39	20.59	20.52	21.40
15	QPSK	75	0	20.37	20.55	21.37
15	16QAM	1	0	20.31	20.92	20.37
15	16QAM	1	37	20.52	20.49	20.46
15	16QAM	1	74	20.48	20.06	20.39
15	16QAM	36	0	20.35	20.46	20.84
15	16QAM	36	20	20.40	20.42	20.86
15	16QAM	36	39	20.47	20.96	20.62
15	16QAM	75	0	20.38	20.44	20.22
15	64QAM	1	0	20.68	20.82	20.96
15	64QAM	1	37	20.96	20.96	20.08
15	64QAM	1	74	20.93	20.75	19.81
15	64QAM	36	0	20.37	20.53	20.45
15	64QAM	36	20	20.52	20.97	20.34
15	64QAM	36	39	20.47	20.94	20.26
15	64QAM	75	0	20.45	20.94	20.34



LTE Band 41 (Power Class 3)						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39700	40620	41540
Frequency (MHz)				2501	2593	2685
10	QPSK	1	0	21.26	21.55	21.42
10	QPSK	1	25	21.46	21.42	21.37
10	QPSK	1	49	21.23	21.62	21.38
10	QPSK	25	0	20.34	20.65	20.62
10	QPSK	25	12	20.42	20.54	20.62
10	QPSK	25	25	20.46	20.49	20.98
10	QPSK	50	0	20.51	20.57	20.22
10	16QAM	1	0	20.37	20.39	20.42
10	16QAM	1	25	20.55	20.54	20.46
10	16QAM	1	49	20.41	20.46	20.61
10	16QAM	25	0	20.41	20.60	20.27
10	16QAM	25	12	20.54	20.46	20.03
10	16QAM	25	25	20.51	20.58	20.54
10	16QAM	50	0	20.49	20.56	20.30
10	64QAM	1	0	20.31	20.27	20.67
10	64QAM	1	25	20.34	20.44	20.62
10	64QAM	1	49	20.32	20.31	20.43
10	64QAM	25	0	20.39	20.52	20.59
10	64QAM	25	12	20.42	20.41	20.34
10	64QAM	25	25	20.51	20.50	20.57
10	64QAM	50	0	20.47	20.55	20.63



LTE Band 41 (Power Class 3)						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39675	40620	41565
Frequency (MHz)				2498.5	2593	2687.5
5	QPSK	1	0	21.23	21.55	21.33
5	QPSK	1	12	21.22	21.42	21.37
5	QPSK	1	24	21.35	21.52	21.38
5	QPSK	12	0	20.36	20.74	20.34
5	QPSK	12	7	20.44	20.59	20.56
5	QPSK	12	13	20.38	20.81	20.62
5	QPSK	25	0	20.41	20.82	20.55
5	16QAM	1	0	20.85	20.83	20.46
5	16QAM	1	12	20.46	21.00	20.36
5	16QAM	1	24	20.32	20.81	20.62
5	16QAM	12	0	20.30	20.47	20.42
5	16QAM	12	7	20.42	20.57	20.55
5	16QAM	12	13	20.48	20.47	20.34
5	16QAM	25	0	20.40	20.55	20.32
5	64QAM	1	0	20.67	20.79	20.37
5	64QAM	1	12	20.87	20.92	20.33
5	64QAM	1	24	20.72	20.85	20.66
5	64QAM	12	0	20.67	20.45	20.53
5	64QAM	12	7	20.68	20.53	20.61
5	64QAM	12	13	20.66	20.32	20.52
5	64QAM	25	0	20.40	20.38	20.34



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132072	132322	132572
Frequency (MHz)				1720	1745	1770
20	QPSK	1	0	22.36	22.42	22.40
20	QPSK	1	49	22.21	22.20	22.16
20	QPSK	1	99	22.14	22.13	22.16
20	QPSK	50	0	21.59	21.66	21.62
20	QPSK	50	24	21.40	21.42	21.55
20	QPSK	50	50	21.44	21.52	21.40
20	QPSK	100	0	21.42	21.42	21.34
20	16QAM	1	0	21.47	21.23	21.51
20	16QAM	1	49	21.52	21.26	21.32
20	16QAM	1	99	21.52	21.70	21.49
20	16QAM	50	0	21.64	21.61	21.58
20	16QAM	50	24	21.53	21.53	21.54
20	16QAM	50	50	21.50	21.42	21.38
20	16QAM	100	0	21.46	21.49	21.55
20	64QAM	1	0	21.62	21.39	21.72
20	64QAM	1	49	21.39	21.72	21.71
20	64QAM	1	99	21.62	21.74	21.82
20	64QAM	50	0	21.58	21.48	21.61
20	64QAM	50	24	21.52	21.46	21.58
20	64QAM	50	50	21.54	21.42	21.48
20	64QAM	100	0	21.53	21.53	21.51



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132047	132322	132597
Frequency (MHz)				1717.5	1745	1772.5
15	QPSK	1	0	22.22	22.26	22.24
15	QPSK	1	37	22.36	22.22	22.20
15	QPSK	1	74	22.20	22.16	22.14
15	QPSK	36	0	21.41	21.38	21.42
15	QPSK	36	20	21.41	21.33	21.43
15	QPSK	36	39	21.27	21.32	21.29
15	QPSK	75	0	21.36	21.40	21.33
15	16QAM	1	0	21.35	21.22	21.52
15	16QAM	1	37	21.22	21.52	21.45
15	16QAM	1	74	21.32	21.22	21.22
15	16QAM	36	0	21.53	21.53	21.44
15	16QAM	36	20	21.56	21.55	21.61
15	16QAM	36	39	21.48	21.63	21.57
15	16QAM	75	0	21.58	21.56	21.52
15	64QAM	1	0	21.72	21.62	21.72
15	64QAM	1	37	21.74	21.52	21.62
15	64QAM	1	74	21.39	21.65	21.72
15	64QAM	36	0	21.51	21.50	21.63
15	64QAM	36	20	21.61	21.57	21.58
15	64QAM	36	39	21.50	21.44	21.48
15	64QAM	75	0	21.52	21.54	21.51



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132022	132322	132622
Frequency (MHz)				1715	1745	1775
10	QPSK	1	0	22.20	22.20	22.21
10	QPSK	1	25	22.10	22.08	22.16
10	QPSK	1	49	22.24	22.12	22.02
10	QPSK	25	0	21.67	21.60	21.67
10	QPSK	25	12	21.64	21.83	21.61
10	QPSK	25	25	21.65	21.61	21.53
10	QPSK	50	0	21.73	21.58	21.77
10	16QAM	1	0	21.65	21.65	21.85
10	16QAM	1	25	21.65	21.74	21.86
10	16QAM	1	49	21.48	21.68	21.56
10	16QAM	25	0	21.49	21.66	21.54
10	16QAM	25	12	21.48	21.68	21.59
10	16QAM	25	25	21.39	21.44	21.44
10	16QAM	50	0	21.55	21.59	21.60
10	64QAM	1	0	21.55	21.55	21.22
10	64QAM	1	25	21.22	21.35	21.25
10	64QAM	1	49	21.22	21.22	21.22
10	64QAM	25	0	21.55	21.53	21.55
10	64QAM	25	12	21.54	21.58	21.62
10	64QAM	25	25	21.54	21.47	21.49
10	64QAM	50	0	21.44	21.54	21.55



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	22.09	22.12	22.17
5	QPSK	1	12	22.12	22.12	22.11
5	QPSK	1	24	22.20	22.10	22.16
5	QPSK	12	0	21.36	21.38	21.34
5	QPSK	12	7	21.38	21.46	21.39
5	QPSK	12	13	21.29	21.35	21.36
5	QPSK	25	0	21.39	21.40	21.39
5	16QAM	1	0	21.88	21.57	21.58
5	16QAM	1	12	21.51	21.80	21.75
5	16QAM	1	24	21.63	21.52	21.87
5	16QAM	12	0	21.52	21.63	21.59
5	16QAM	12	7	21.69	21.61	21.73
5	16QAM	12	13	21.60	21.54	21.61
5	16QAM	25	0	21.61	21.63	21.55
5	64QAM	1	0	21.22	21.62	21.42
5	64QAM	1	12	21.52	21.52	21.52
5	64QAM	1	24	21.35	21.39	21.35
5	64QAM	12	0	21.59	21.34	21.55
5	64QAM	12	7	21.67	21.26	21.57
5	64QAM	12	13	21.50	21.62	21.57
5	64QAM	25	0	21.57	21.65	21.52





LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				131987	132322	132657
Frequency (MHz)				1711.5	1745	1778.5
3	QPSK	1	0	22.16	22.07	22.06
3	QPSK	1	8	22.03	22.04	22.12
3	QPSK	1	14	21.94	21.75	22.05
3	QPSK	8	0	21.62	21.59	21.63
3	QPSK	8	4	21.62	21.54	21.64
3	QPSK	8	7	21.48	21.53	21.50
3	QPSK	15	0	21.57	21.61	21.54
3	16QAM	1	0	21.26	21.67	21.43
3	16QAM	1	8	21.59	21.53	21.52
3	16QAM	1	14	21.63	21.52	21.22
3	16QAM	8	0	21.44	21.44	21.35
3	16QAM	8	4	21.47	21.46	21.52
3	16QAM	8	7	21.39	21.54	21.48
3	16QAM	15	0	21.49	21.47	21.43
3	64QAM	1	0	21.63	21.53	21.63
3	64QAM	1	8	21.65	21.43	21.53
3	64QAM	1	14	21.30	21.56	21.63
3	64QAM	8	0	21.42	21.41	21.54
3	64QAM	8	4	21.52	21.48	21.49
3	64QAM	8	7	21.41	21.35	21.39
3	64QAM	15	0	21.43	21.45	21.42



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				131979	132322	132665
Frequency (MHz)				1710.7	1745	1779.3
1.4	QPSK	1	0	22.10	22.01	22.02
1.4	QPSK	1	3	22.16	22.18	22.18
1.4	QPSK	1	5	22.08	21.96	22.12
1.4	QPSK	3	0	22.07	22.00	22.07
1.4	QPSK	3	1	22.04	22.10	22.01
1.4	QPSK	3	3	22.05	22.01	21.93
1.4	QPSK	6	0	21.65	21.50	21.69
1.4	16QAM	1	0	21.57	21.57	21.77
1.4	16QAM	1	3	21.57	21.66	21.78
1.4	16QAM	1	5	21.40	21.60	21.48
1.4	16QAM	3	0	21.11	21.08	21.34
1.4	16QAM	3	1	21.20	21.10	21.22
1.4	16QAM	3	3	21.21	21.22	21.16
1.4	16QAM	6	0	21.10	21.01	21.02
1.4	64QAM	1	0	21.44	21.29	21.45
1.4	64QAM	1	3	21.17	21.26	21.26
1.4	64QAM	1	5	21.14	21.14	21.25
1.4	64QAM	3	0	21.47	21.45	21.47
1.4	64QAM	3	1	21.46	21.50	21.54
1.4	64QAM	3	3	21.46	21.39	21.41
1.4	64QAM	6	0	21.36	21.46	21.47



LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133222	133322	133372
Frequency (MHz)				673	683	688
20	QPSK	1	0	22.41	22.48	22.45
20	QPSK	1	49	22.40	22.42	22.42
20	QPSK	1	99	22.32	22.38	22.35
20	QPSK	50	0	21.52	21.74	21.60
20	QPSK	50	24	21.45	21.52	21.48
20	QPSK	50	50	21.49	21.54	21.48
20	QPSK	100	0	21.37	21.48	21.51
20	16QAM	1	0	21.49	21.49	21.42
20	16QAM	1	49	21.48	21.08	21.48
20	16QAM	1	99	21.42	21.41	21.52
20	16QAM	50	0	21.27	21.41	21.02
20	16QAM	50	24	21.38	21.20	21.11
20	16QAM	50	50	21.37	21.01	21.05
20	16QAM	100	0	21.38	21.41	21.07
20	64QAM	1	0	21.19	21.47	21.50
20	64QAM	1	49	21.19	21.38	21.48
20	64QAM	1	99	21.21	21.48	21.52
20	64QAM	50	0	21.20	21.19	21.08
20	64QAM	50	24	21.22	21.18	21.17
20	64QAM	50	50	21.20	20.97	21.19
20	64QAM	100	0	21.20	21.16	21.07



LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133197	133297	133397
Frequency (MHz)				670.5	680.5	690.5
15	QPSK	1	0	22.14	22.32	22.33
15	QPSK	1	37	22.12	22.25	22.36
15	QPSK	1	74	22.14	22.36	22.33
15	QPSK	36	0	21.23	21.48	21.52
15	QPSK	36	20	21.43	21.52	21.48
15	QPSK	36	39	21.50	21.48	21.41
15	QPSK	75	0	21.38	21.38	21.39
15	16QAM	1	0	21.46	21.48	21.38
15	16QAM	1	37	21.48	21.52	21.20
15	16QAM	1	74	21.49	21.39	21.19
15	16QAM	36	0	21.26	21.22	21.11
15	16QAM	36	20	21.24	21.38	21.15
15	16QAM	36	39	21.26	21.28	21.13
15	16QAM	75	0	21.22	21.17	21.11
15	64QAM	1	0	21.33	21.22	21.38
15	64QAM	1	37	21.21	21.22	21.20
15	64QAM	1	74	21.16	21.24	21.41
15	64QAM	36	0	21.08	21.23	21.16
15	64QAM	36	20	21.36	21.22	21.10
15	64QAM	36	39	21.20	21.20	21.21
15	64QAM	75	0	21.38	21.20	21.24



LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133172	133272	133422
Frequency (MHz)				668	678	693
10	QPSK	1	0	22.17	22.36	22.15
10	QPSK	1	25	22.28	22.15	22.35
10	QPSK	1	49	22.29	22.31	22.04
10	QPSK	25	0	21.22	21.08	21.08
10	QPSK	25	12	21.45	21.41	21.12
10	QPSK	25	25	21.46	21.48	21.08
10	QPSK	50	0	21.44	21.36	21.08
10	16QAM	1	0	21.30	21.07	21.38
10	16QAM	1	25	21.18	21.08	21.48
10	16QAM	1	49	21.55	21.11	21.20
10	16QAM	25	0	21.08	21.19	21.15
10	16QAM	25	12	21.38	21.08	21.21
10	16QAM	25	25	21.08	21.22	21.27
10	16QAM	50	0	21.20	21.24	21.16
10	64QAM	1	0	21.20	21.23	21.16
10	64QAM	1	25	21.11	21.36	21.26
10	64QAM	1	49	21.47	21.21	21.26
10	64QAM	25	0	21.06	21.06	21.16
10	64QAM	25	12	21.06	21.26	21.27
10	64QAM	25	25	21.02	21.22	21.18
10	64QAM	50	0	21.08	21.24	21.14



LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133147	133247	133447
Frequency (MHz)				665.5	675.5	695.5
5	QPSK	1	0	22.21	22.31	22.15
5	QPSK	1	12	22.15	22.36	22.34
5	QPSK	1	24	22.15	22.14	22.13
5	QPSK	12	0	21.35	21.83	21.42
5	QPSK	12	7	21.49	21.48	21.48
5	QPSK	12	13	21.37	21.39	21.41
5	QPSK	25	0	21.41	21.42	21.08
5	16QAM	1	0	21.37	21.48	21.38
5	16QAM	1	12	21.20	21.38	21.08
5	16QAM	1	24	21.20	21.21	21.20
5	16QAM	12	0	21.21	21.26	21.20
5	16QAM	12	7	21.20	21.22	21.20
5	16QAM	12	13	21.11	21.23	21.20
5	16QAM	25	0	21.38	21.10	21.28
5	64QAM	1	0	21.14	21.47	21.08
5	64QAM	1	12	21.41	21.41	21.48
5	64QAM	1	24	21.41	21.41	21.38
5	64QAM	12	0	21.12	21.24	21.20
5	64QAM	12	7	21.21	21.22	21.13
5	64QAM	12	13	21.20	21.23	21.10
5	64QAM	25	0	21.24	21.26	21.17



**Effective Radiated Power and Effective Isotropic Radiated Power**

**Top Antenna**

LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18700		18900		19100	
Frequency (MHz)				1860		1880		1900	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	22.48	0.177	22.51	0.178	22.45	0.176
20	QPSK	1	49	22.46	0.176	22.40	0.174	22.33	0.171
20	QPSK	1	99	22.40	0.174	22.36	0.172	22.34	0.171
20	QPSK	50	0	21.56	0.143	21.65	0.146	21.58	0.144
20	QPSK	50	24	21.57	0.144	21.62	0.145	21.62	0.145
20	QPSK	50	50	21.62	0.145	21.58	0.144	21.64	0.146
20	QPSK	100	0	21.55	0.143	21.64	0.146	21.60	0.145
20	16QAM	1	0	21.61	0.145	21.61	0.145	21.63	0.146
20	16QAM	1	49	21.45	0.140	21.75	0.150	21.71	0.148
20	16QAM	1	99	21.70	0.148	21.55	0.143	21.95	0.157
20	16QAM	50	0	21.63	0.146	21.60	0.145	21.58	0.144
20	16QAM	50	24	21.59	0.144	21.64	0.146	21.65	0.146
20	16QAM	50	50	21.67	0.147	21.64	0.146	21.71	0.148
20	16QAM	100	0	21.70	0.148	21.71	0.148	21.58	0.144
20	64QAM	1	0	21.65	0.146	21.84	0.153	21.58	0.144
20	64QAM	1	49	21.60	0.145	21.78	0.151	21.69	0.148
20	64QAM	1	99	21.55	0.143	21.88	0.154	21.88	0.154
20	64QAM	50	0	21.65	0.146	21.57	0.144	21.62	0.145
20	64QAM	50	24	21.68	0.147	21.62	0.145	21.67	0.147
20	64QAM	50	50	21.67	0.147	21.68	0.147	21.62	0.145
20	64QAM	100	0	21.55	0.143	21.52	0.142	21.53	0.142



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18675		18900		19125	
Frequency (MHz)				1857.5		1880		1902.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	22.29	0.169	22.32	0.171	22.23	0.167
15	QPSK	1	37	22.08	0.161	22.44	0.175	22.32	0.171
15	QPSK	1	74	22.45	0.176	22.37	0.173	22.45	0.176
15	QPSK	36	0	21.42	0.139	21.51	0.142	21.50	0.141
15	QPSK	36	20	21.41	0.138	21.60	0.145	21.57	0.144
15	QPSK	36	39	21.53	0.142	21.54	0.143	21.51	0.142
15	QPSK	75	0	21.45	0.140	21.51	0.142	21.47	0.140
15	16QAM	1	0	21.54	0.143	21.62	0.145	21.56	0.143
15	16QAM	1	37	21.67	0.147	21.70	0.148	21.56	0.143
15	16QAM	1	74	21.62	0.145	21.74	0.149	21.74	0.149
15	16QAM	36	0	21.41	0.138	21.46	0.140	21.49	0.141
15	16QAM	36	20	21.50	0.141	21.43	0.139	21.56	0.143
15	16QAM	36	39	21.55	0.143	21.64	0.146	21.61	0.145
15	16QAM	75	0	21.42	0.139	21.44	0.139	21.53	0.142
15	64QAM	1	0	21.62	0.145	21.38	0.137	21.44	0.139
15	64QAM	1	37	21.61	0.145	21.42	0.139	21.84	0.153
15	64QAM	1	74	21.50	0.141	21.54	0.143	21.69	0.148
15	64QAM	36	0	21.35	0.136	21.52	0.142	21.40	0.138
15	64QAM	36	20	21.55	0.143	21.57	0.144	21.47	0.140
15	64QAM	36	39	21.43	0.139	21.48	0.141	21.57	0.144
15	64QAM	75	0	21.42	0.139	21.49	0.141	21.48	0.141





LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18650		18900		19150	
Frequency (MHz)				1855		1880		1905	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	22.26	0.168	22.25	0.168	22.35	0.172
10	QPSK	1	25	22.37	0.173	22.47	0.177	22.35	0.172
10	QPSK	1	49	22.26	0.168	22.34	0.171	22.26	0.168
10	QPSK	25	0	21.53	0.142	21.54	0.143	21.50	0.141
10	QPSK	25	12	21.49	0.141	21.61	0.145	21.54	0.143
10	QPSK	25	25	21.40	0.138	21.53	0.142	21.49	0.141
10	QPSK	50	0	21.46	0.140	21.55	0.143	21.53	0.142
10	16QAM	1	0	21.94	0.156	21.87	0.154	21.86	0.153
10	16QAM	1	25	21.63	0.146	21.59	0.144	21.66	0.147
10	16QAM	1	49	21.58	0.144	21.66	0.147	21.45	0.140
10	16QAM	25	0	21.48	0.141	21.47	0.140	21.44	0.139
10	16QAM	25	12	21.64	0.146	21.44	0.139	21.44	0.139
10	16QAM	25	25	21.44	0.139	21.64	0.146	21.74	0.149
10	16QAM	50	0	22.01	0.159	21.94	0.156	21.98	0.158
10	64QAM	1	0	21.52	0.142	21.57	0.144	21.57	0.144
10	64QAM	1	25	21.55	0.143	21.60	0.145	21.64	0.146
10	64QAM	1	49	21.22	0.132	21.35	0.136	21.32	0.136
10	64QAM	25	0	21.52	0.142	21.56	0.143	21.57	0.144
10	64QAM	25	12	21.55	0.143	21.53	0.142	21.54	0.143
10	64QAM	25	25	21.48	0.141	21.26	0.134	21.48	0.141
10	64QAM	50	0	21.49	0.141	21.49	0.141	21.46	0.140



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18625		18900		19175	
Frequency (MHz)				1852.5		1880		1907.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	22.40	0.174	22.45	0.176	22.39	0.173
5	QPSK	1	12	22.39	0.173	22.34	0.171	22.37	0.173
5	QPSK	1	24	22.35	0.172	22.43	0.175	22.44	0.175
5	QPSK	12	0	21.52	0.142	21.43	0.139	21.50	0.141
5	QPSK	12	7	21.53	0.142	21.58	0.144	21.50	0.141
5	QPSK	12	13	21.52	0.142	21.51	0.142	21.54	0.143
5	QPSK	25	0	21.51	0.142	21.49	0.141	21.51	0.142
5	16QAM	1	0	21.64	0.146	21.54	0.143	21.92	0.156
5	16QAM	1	12	21.62	0.145	21.55	0.143	21.92	0.156
5	16QAM	1	24	21.65	0.146	21.52	0.142	21.91	0.155
5	16QAM	12	0	21.74	0.149	21.88	0.154	21.74	0.149
5	16QAM	12	7	21.64	0.146	21.64	0.146	21.44	0.139
5	16QAM	12	13	21.44	0.139	21.77	0.150	21.54	0.143
5	16QAM	25	0	21.54	0.143	22.00	0.158	21.98	0.158
5	64QAM	1	0	21.74	0.149	21.46	0.140	21.51	0.142
5	64QAM	1	12	21.90	0.155	21.56	0.143	21.67	0.147
5	64QAM	1	24	21.91	0.155	21.55	0.143	21.57	0.144
5	64QAM	12	0	21.56	0.143	21.49	0.141	21.48	0.141
5	64QAM	12	7	21.62	0.145	21.46	0.140	21.46	0.140
5	64QAM	12	13	21.59	0.144	21.55	0.143	21.53	0.142
5	64QAM	25	0	21.66	0.147	21.46	0.140	21.53	0.142



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18615		18900		19185	
Frequency (MHz)				1851.5		1880		1908.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	22.34	0.171	22.41	0.174	22.33	0.171
3	QPSK	1	8	22.44	0.175	22.47	0.177	22.30	0.170
3	QPSK	1	14	22.45	0.176	22.32	0.171	22.32	0.171
3	QPSK	8	0	21.40	0.138	21.35	0.136	21.37	0.137
3	QPSK	8	4	21.46	0.140	21.40	0.138	21.41	0.138
3	QPSK	8	7	21.46	0.140	21.40	0.138	21.36	0.137
3	QPSK	15	0	21.38	0.137	21.46	0.140	21.39	0.138
3	16QAM	1	0	21.54	0.143	21.45	0.140	21.39	0.138
3	16QAM	1	8	21.58	0.144	21.52	0.142	21.48	0.141
3	16QAM	1	14	21.51	0.142	21.48	0.141	21.36	0.137
3	16QAM	8	0	21.94	0.156	22.07	0.161	21.99	0.158
3	16QAM	8	4	22.01	0.159	21.98	0.158	22.04	0.160
3	16QAM	8	7	21.91	0.155	21.96	0.157	21.99	0.158
3	16QAM	15	0	21.94	0.156	21.98	0.158	21.93	0.156
3	64QAM	1	0	21.47	0.140	21.40	0.138	21.43	0.139
3	64QAM	1	8	21.89	0.155	21.88	0.154	21.48	0.141
3	64QAM	1	14	21.50	0.141	21.86	0.153	21.50	0.141
3	64QAM	8	0	21.42	0.139	21.44	0.139	21.28	0.134
3	64QAM	8	4	21.52	0.142	21.42	0.139	21.42	0.139
3	64QAM	8	7	21.62	0.145	21.51	0.142	21.37	0.137
3	64QAM	15	0	21.47	0.140	21.47	0.140	21.45	0.140



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18607		18900		19193	
Frequency (MHz)				1850.7		1880		1909.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	22.40	0.174	22.43	0.175	22.38	0.173
1.4	QPSK	1	3	22.30	0.170	22.28	0.169	22.27	0.169
1.4	QPSK	1	5	22.27	0.169	22.25	0.168	22.23	0.167
1.4	QPSK	3	0	22.27	0.169	22.27	0.169	22.23	0.167
1.4	QPSK	3	1	22.31	0.170	22.28	0.169	22.26	0.168
1.4	QPSK	3	3	22.33	0.171	22.37	0.173	22.26	0.168
1.4	QPSK	6	0	21.36	0.137	21.34	0.136	21.33	0.136
1.4	16QAM	1	0	21.39	0.138	21.39	0.138	21.33	0.136
1.4	16QAM	1	3	21.35	0.136	21.55	0.143	21.53	0.142
1.4	16QAM	1	5	21.23	0.133	21.43	0.139	21.11	0.129
1.4	16QAM	3	0	21.25	0.133	21.30	0.135	21.27	0.134
1.4	16QAM	3	1	21.43	0.139	21.25	0.133	21.30	0.135
1.4	16QAM	3	3	21.45	0.140	21.42	0.139	21.16	0.131
1.4	16QAM	6	0	21.46	0.140	21.39	0.138	21.34	0.136
1.4	64QAM	1	0	21.34	0.136	21.26	0.134	21.29	0.135
1.4	64QAM	1	3	21.36	0.137	21.57	0.144	21.45	0.140
1.4	64QAM	1	5	21.34	0.136	21.69	0.148	21.28	0.134
1.4	64QAM	3	0	21.37	0.137	21.43	0.139	21.44	0.139
1.4	64QAM	3	1	21.46	0.140	21.43	0.139	21.64	0.146
1.4	64QAM	3	3	21.38	0.137	21.52	0.142	21.29	0.135
1.4	64QAM	6	0	21.43	0.139	21.46	0.140	21.35	0.136



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	22.80	0.191	22.88	0.194	22.87	0.194
20	QPSK	1	49	22.66	0.185	22.74	0.188	22.73	0.187
20	QPSK	1	99	22.58	0.181	22.71	0.187	22.83	0.192
20	QPSK	50	0	21.87	0.154	22.00	0.158	21.97	0.157
20	QPSK	50	24	21.87	0.154	21.95	0.157	21.95	0.157
20	QPSK	50	50	21.76	0.150	21.87	0.154	21.88	0.154
20	QPSK	100	0	21.86	0.153	21.90	0.155	21.97	0.157
20	16QAM	1	0	21.73	0.149	22.03	0.160	21.90	0.155
20	16QAM	1	49	21.88	0.154	21.65	0.146	21.79	0.151
20	16QAM	1	99	21.67	0.147	21.89	0.155	21.73	0.149
20	16QAM	50	0	21.86	0.153	21.79	0.151	21.93	0.156
20	16QAM	50	24	22.12	0.163	22.23	0.167	22.12	0.163
20	16QAM	50	50	22.08	0.161	22.09	0.162	22.09	0.162
20	16QAM	100	0	22.10	0.162	22.18	0.165	22.19	0.166
20	64QAM	1	0	21.84	0.153	21.95	0.157	22.17	0.165
20	64QAM	1	49	21.88	0.154	21.81	0.152	21.69	0.148
20	64QAM	1	99	22.15	0.164	21.72	0.149	22.19	0.166
20	64QAM	50	0	21.85	0.153	21.94	0.156	21.89	0.155
20	64QAM	50	24	21.87	0.154	21.98	0.158	21.92	0.156
20	64QAM	50	50	21.91	0.155	21.86	0.153	21.88	0.154
20	64QAM	100	0	21.94	0.156	21.92	0.156	22.01	0.159



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20025		20175		20325	
Frequency (MHz)				1717.5		1732.5		1747.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	22.67	0.185	22.71	0.187	22.81	0.191
15	QPSK	1	37	22.71	0.187	22.80	0.191	22.72	0.187
15	QPSK	1	74	22.58	0.181	22.80	0.191	22.83	0.192
15	QPSK	36	0	21.81	0.152	21.88	0.154	21.91	0.155
15	QPSK	36	20	21.85	0.153	21.98	0.158	21.94	0.156
15	QPSK	36	39	21.90	0.155	21.89	0.155	21.98	0.158
15	QPSK	75	0	21.85	0.153	21.87	0.154	21.88	0.154
15	16QAM	1	0	21.79	0.151	22.01	0.159	21.73	0.149
15	16QAM	1	37	21.87	0.154	21.87	0.154	21.71	0.148
15	16QAM	1	74	21.73	0.149	22.03	0.160	21.82	0.152
15	16QAM	36	0	21.74	0.149	21.76	0.150	21.95	0.157
15	16QAM	36	20	21.69	0.148	21.76	0.150	21.82	0.152
15	16QAM	36	39	21.65	0.146	21.74	0.149	21.80	0.151
15	16QAM	75	0	21.76	0.150	21.77	0.150	21.86	0.153
15	64QAM	1	0	21.71	0.148	22.02	0.159	22.07	0.161
15	64QAM	1	37	22.13	0.163	21.89	0.155	21.95	0.157
15	64QAM	1	74	22.17	0.165	21.88	0.154	21.92	0.156
15	64QAM	36	0	21.82	0.152	21.89	0.155	21.93	0.156
15	64QAM	36	20	21.88	0.154	21.90	0.155	21.92	0.156
15	64QAM	36	39	21.91	0.155	21.87	0.154	21.89	0.155
15	64QAM	75	0	21.84	0.153	21.95	0.157	21.88	0.154



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	22.59	0.182	22.78	0.190	22.61	0.182
10	QPSK	1	25	22.57	0.181	22.70	0.186	22.71	0.187
10	QPSK	1	49	22.65	0.184	22.48	0.177	22.71	0.187
10	QPSK	25	0	21.64	0.146	21.86	0.153	21.88	0.154
10	QPSK	25	12	21.76	0.150	21.82	0.152	21.86	0.153
10	QPSK	25	25	21.65	0.146	21.76	0.150	21.83	0.152
10	QPSK	50	0	21.71	0.148	21.81	0.152	21.73	0.149
10	16QAM	1	0	21.70	0.148	21.85	0.153	21.61	0.145
10	16QAM	1	25	21.97	0.157	21.71	0.148	22.03	0.160
10	16QAM	1	49	22.04	0.160	21.94	0.156	21.93	0.156
10	16QAM	25	0	21.70	0.148	21.69	0.148	21.68	0.147
10	16QAM	25	12	21.62	0.145	21.72	0.149	21.69	0.148
10	16QAM	25	25	21.96	0.157	21.87	0.154	21.96	0.157
10	16QAM	50	0	21.90	0.155	21.94	0.156	22.06	0.161
10	64QAM	1	0	21.76	0.150	21.84	0.153	21.74	0.149
10	64QAM	1	25	21.83	0.152	22.12	0.163	22.21	0.166
10	64QAM	1	49	21.81	0.152	21.85	0.153	21.80	0.151
10	64QAM	25	0	21.65	0.146	21.79	0.151	21.78	0.151
10	64QAM	25	12	21.74	0.149	21.85	0.153	21.89	0.155
10	64QAM	25	25	21.62	0.145	21.74	0.149	21.76	0.150
10	64QAM	50	0	21.68	0.147	21.75	0.150	21.74	0.149



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	22.49	0.177	22.71	0.187	22.76	0.189
5	QPSK	1	12	22.55	0.180	22.70	0.186	22.67	0.185
5	QPSK	1	24	22.50	0.178	22.62	0.183	22.61	0.182
5	QPSK	12	0	21.72	0.149	21.72	0.149	21.76	0.150
5	QPSK	12	7	21.72	0.149	21.83	0.152	21.80	0.151
5	QPSK	12	13	21.67	0.147	21.84	0.153	21.76	0.150
5	QPSK	25	0	21.70	0.148	21.74	0.149	21.80	0.151
5	16QAM	1	0	21.60	0.145	22.01	0.159	21.69	0.148
5	16QAM	1	12	21.71	0.148	22.06	0.161	21.65	0.146
5	16QAM	1	24	21.65	0.146	22.00	0.158	21.60	0.145
5	16QAM	12	0	21.64	0.146	21.58	0.144	21.61	0.145
5	16QAM	12	7	21.67	0.147	21.71	0.148	21.69	0.148
5	16QAM	12	13	21.94	0.156	22.01	0.159	22.05	0.160
5	16QAM	25	0	21.95	0.157	22.06	0.161	21.99	0.158
5	64QAM	1	0	21.72	0.149	22.16	0.164	22.14	0.164
5	64QAM	1	12	22.10	0.162	21.86	0.153	22.13	0.163
5	64QAM	1	24	22.06	0.161	21.76	0.150	21.83	0.152
5	64QAM	12	0	21.73	0.149	21.80	0.151	21.82	0.152
5	64QAM	12	7	21.72	0.149	21.81	0.152	21.87	0.154
5	64QAM	12	13	21.73	0.149	21.79	0.151	21.78	0.151
5	64QAM	25	0	21.68	0.147	21.82	0.152	21.73	0.149





LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19965		20175		20385	
Frequency (MHz)				1711.5		1732.5		1753.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	22.61	0.182	22.62	0.183	22.74	0.188
3	QPSK	1	8	22.70	0.186	22.84	0.192	22.78	0.190
3	QPSK	1	14	22.50	0.178	22.69	0.186	22.69	0.186
3	QPSK	8	0	21.70	0.148	21.76	0.150	21.77	0.150
3	QPSK	8	4	21.76	0.150	21.84	0.153	21.86	0.153
3	QPSK	8	7	21.72	0.149	21.82	0.152	21.82	0.152
3	QPSK	15	0	21.72	0.149	21.78	0.151	21.72	0.149
3	16QAM	1	0	21.80	0.151	21.89	0.155	21.93	0.156
3	16QAM	1	8	22.02	0.159	22.02	0.159	21.76	0.150
3	16QAM	1	14	21.93	0.156	21.71	0.148	21.79	0.151
3	16QAM	8	0	21.72	0.149	21.73	0.149	21.82	0.152
3	16QAM	8	4	21.82	0.152	21.82	0.152	21.83	0.152
3	16QAM	8	7	22.04	0.160	22.12	0.163	22.16	0.164
3	16QAM	15	0	22.04	0.160	22.02	0.159	22.09	0.162
3	64QAM	1	0	21.71	0.148	21.80	0.151	21.78	0.151
3	64QAM	1	8	21.90	0.155	21.78	0.151	21.94	0.156
3	64QAM	1	14	21.71	0.148	21.78	0.151	21.61	0.145
3	64QAM	8	0	21.69	0.148	21.73	0.149	21.67	0.147
3	64QAM	8	4	21.81	0.152	21.79	0.151	21.83	0.152
3	64QAM	8	7	21.75	0.150	21.82	0.152	21.94	0.156
3	64QAM	15	0	21.71	0.148	21.79	0.151	21.70	0.148



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	22.36	0.172	22.57	0.181	22.58	0.181
1.4	QPSK	1	3	22.70	0.186	22.70	0.186	22.74	0.188
1.4	QPSK	1	5	22.56	0.180	22.65	0.184	22.67	0.185
1.4	QPSK	3	0	22.64	0.184	22.61	0.182	22.60	0.182
1.4	QPSK	3	1	22.60	0.182	22.70	0.186	22.75	0.188
1.4	QPSK	3	3	22.59	0.182	22.66	0.185	22.65	0.184
1.4	QPSK	6	0	21.75	0.150	21.77	0.150	21.73	0.149
1.4	16QAM	1	0	21.69	0.148	22.16	0.164	21.82	0.152
1.4	16QAM	1	3	21.82	0.152	21.90	0.155	21.94	0.156
1.4	16QAM	1	5	21.88	0.154	22.04	0.160	21.84	0.153
1.4	16QAM	3	0	21.91	0.155	21.95	0.157	21.86	0.153
1.4	16QAM	3	1	21.92	0.156	21.95	0.157	21.97	0.157
1.4	16QAM	3	3	21.91	0.155	22.03	0.160	21.92	0.156
1.4	16QAM	6	0	21.82	0.152	21.83	0.152	21.74	0.149
1.4	64QAM	1	0	21.60	0.145	21.54	0.143	21.68	0.147
1.4	64QAM	1	3	21.86	0.153	21.84	0.153	21.96	0.157
1.4	64QAM	1	5	21.77	0.150	21.73	0.149	21.57	0.144
1.4	64QAM	3	0	21.68	0.147	21.66	0.147	21.85	0.153
1.4	64QAM	3	1	21.59	0.144	21.74	0.149	21.71	0.148
1.4	64QAM	3	3	21.65	0.146	21.82	0.152	21.70	0.148
1.4	64QAM	6	0	21.64	0.146	21.65	0.146	21.72	0.149



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20450		20525		20600	
Frequency (MHz)				829		836.5		844	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	18.64	0.073	18.65	0.073	18.57	0.072
10	QPSK	1	25	18.50	0.071	18.53	0.071	18.33	0.068
10	QPSK	1	49	18.42	0.070	18.54	0.071	18.22	0.066
10	QPSK	25	0	17.95	0.062	17.97	0.063	17.78	0.060
10	QPSK	25	12	17.71	0.059	17.73	0.059	17.78	0.060
10	QPSK	25	25	17.71	0.059	17.82	0.061	17.87	0.061
10	QPSK	50	0	17.77	0.060	17.65	0.058	17.79	0.060
10	16QAM	1	0	17.81	0.060	18.00	0.063	17.71	0.059
10	16QAM	1	25	18.04	0.064	18.07	0.064	17.75	0.060
10	16QAM	1	49	17.87	0.061	17.93	0.062	18.00	0.063
10	16QAM	25	0	17.96	0.063	17.97	0.063	17.79	0.060
10	16QAM	25	12	17.90	0.062	17.98	0.063	17.76	0.060
10	16QAM	25	25	17.93	0.062	17.86	0.061	17.89	0.062
10	16QAM	50	0	17.94	0.062	17.85	0.061	17.75	0.060
10	64QAM	1	0	17.90	0.062	18.00	0.063	17.88	0.061
10	64QAM	1	25	17.87	0.061	18.07	0.064	17.87	0.061
10	64QAM	1	49	17.76	0.060	17.98	0.063	17.89	0.062
10	64QAM	25	0	17.87	0.061	17.98	0.063	17.65	0.058
10	64QAM	25	12	17.86	0.061	18.03	0.064	17.74	0.059
10	64QAM	25	25	17.98	0.063	17.87	0.061	17.57	0.057
10	64QAM	50	0	17.94	0.062	17.90	0.062	17.76	0.060



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20425		20525		20625	
Frequency (MHz)				826.5		836.5		846.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	18.59	0.072	18.55	0.072	18.53	0.071
5	QPSK	1	12	18.49	0.071	18.60	0.072	18.44	0.070
5	QPSK	1	24	18.49	0.071	18.44	0.070	18.44	0.070
5	QPSK	12	0	17.86	0.061	17.91	0.062	17.77	0.060
5	QPSK	12	7	17.93	0.062	17.94	0.062	17.86	0.061
5	QPSK	12	13	17.98	0.063	17.82	0.061	17.77	0.060
5	QPSK	25	0	17.89	0.062	17.85	0.061	17.77	0.060
5	16QAM	1	0	18.18	0.066	18.11	0.065	17.87	0.061
5	16QAM	1	12	17.88	0.061	18.10	0.065	17.86	0.061
5	16QAM	1	24	17.75	0.060	18.10	0.065	17.93	0.062
5	16QAM	12	0	17.84	0.061	17.93	0.062	17.92	0.062
5	16QAM	12	7	17.91	0.062	17.94	0.062	17.76	0.060
5	16QAM	12	13	17.91	0.062	17.82	0.061	17.87	0.061
5	16QAM	25	0	17.92	0.062	17.97	0.063	17.92	0.062
5	64QAM	1	0	17.99	0.063	17.87	0.061	17.98	0.063
5	64QAM	1	12	17.87	0.061	17.81	0.060	17.95	0.062
5	64QAM	1	24	18.01	0.063	17.85	0.061	17.79	0.060
5	64QAM	12	0	17.73	0.059	17.87	0.061	17.67	0.058
5	64QAM	12	7	17.77	0.060	17.93	0.062	17.71	0.059
5	64QAM	12	13	17.95	0.062	17.90	0.062	17.47	0.056
5	64QAM	25	0	17.83	0.061	17.90	0.062	17.51	0.056



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20415		20525		20635	
Frequency (MHz)				825.5		836.5		847.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	18.28	0.067	18.59	0.072	18.44	0.070
3	QPSK	1	8	18.54	0.071	18.55	0.072	18.46	0.070
3	QPSK	1	14	18.55	0.072	18.53	0.071	18.27	0.067
3	QPSK	8	0	17.79	0.060	17.92	0.062	17.90	0.062
3	QPSK	8	4	17.93	0.062	17.99	0.063	17.96	0.063
3	QPSK	8	7	17.88	0.061	17.90	0.062	17.77	0.060
3	QPSK	15	0	17.86	0.061	17.92	0.062	17.91	0.062
3	16QAM	1	0	17.88	0.061	17.99	0.063	18.06	0.064
3	16QAM	1	8	17.81	0.060	18.07	0.064	17.91	0.062
3	16QAM	1	14	17.86	0.061	18.12	0.065	17.87	0.061
3	16QAM	8	0	17.82	0.061	17.91	0.062	17.65	0.058
3	16QAM	8	4	17.98	0.063	18.09	0.064	17.66	0.058
3	16QAM	8	7	17.90	0.062	17.96	0.063	17.70	0.059
3	16QAM	15	0	17.84	0.061	17.86	0.061	17.41	0.055
3	64QAM	1	0	17.79	0.060	17.67	0.058	17.88	0.061
3	64QAM	1	8	17.67	0.058	17.91	0.062	17.67	0.058
3	64QAM	1	14	17.69	0.059	17.87	0.061	17.68	0.059
3	64QAM	8	0	17.79	0.060	17.89	0.062	17.87	0.061
3	64QAM	8	4	18.01	0.063	17.85	0.061	17.79	0.060
3	64QAM	8	7	17.96	0.063	17.88	0.061	17.85	0.061
3	64QAM	15	0	17.85	0.061	17.95	0.062	17.75	0.060



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20407		20525		20643	
Frequency (MHz)				824.7		836.5		848.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	18.49	0.071	18.56	0.072	18.60	0.072
1.4	QPSK	1	3	18.62	0.073	18.55	0.072	18.62	0.073
1.4	QPSK	1	5	18.51	0.071	18.45	0.070	18.46	0.070
1.4	QPSK	3	0	18.52	0.071	18.58	0.072	18.54	0.071
1.4	QPSK	3	1	18.58	0.072	18.45	0.070	18.55	0.072
1.4	QPSK	3	3	18.59	0.072	18.51	0.071	18.51	0.071
1.4	QPSK	6	0	17.84	0.061	17.83	0.061	17.82	0.061
1.4	16QAM	1	0	17.97	0.063	17.78	0.060	17.95	0.062
1.4	16QAM	1	3	17.77	0.060	18.01	0.063	17.90	0.062
1.4	16QAM	1	5	18.16	0.065	17.84	0.061	17.90	0.062
1.4	16QAM	3	0	17.69	0.059	17.67	0.058	17.81	0.060
1.4	16QAM	3	1	17.72	0.059	17.99	0.063	17.85	0.061
1.4	16QAM	3	3	17.80	0.060	17.91	0.062	17.79	0.060
1.4	16QAM	6	0	17.99	0.063	17.86	0.061	17.90	0.062
1.4	64QAM	1	0	17.52	0.056	17.69	0.059	17.71	0.059
1.4	64QAM	1	3	17.83	0.061	17.84	0.061	17.79	0.060
1.4	64QAM	1	5	17.78	0.060	17.77	0.060	17.65	0.058
1.4	64QAM	3	0	17.44	0.055	17.71	0.059	17.72	0.059
1.4	64QAM	3	1	17.72	0.059	17.66	0.058	17.67	0.058
1.4	64QAM	3	3	17.62	0.058	17.79	0.060	17.83	0.061
1.4	64QAM	6	0	17.83	0.061	17.95	0.062	17.84	0.061



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20850		21100		21350	
Frequency (MHz)				2510		2535		2560	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	21.60	0.145	21.61	0.145	21.53	0.142
20	QPSK	1	49	21.55	0.143	21.59	0.144	21.48	0.141
20	QPSK	1	99	21.50	0.141	21.45	0.140	21.50	0.141
20	QPSK	50	0	20.46	0.111	20.53	0.113	20.50	0.112
20	QPSK	50	24	20.22	0.105	20.19	0.104	20.09	0.102
20	QPSK	50	50	20.32	0.108	20.35	0.108	20.32	0.108
20	QPSK	100	0	20.27	0.106	20.29	0.107	20.26	0.106
20	16QAM	1	0	20.08	0.102	20.18	0.104	20.36	0.109
20	16QAM	1	49	20.23	0.105	20.09	0.102	20.37	0.109
20	16QAM	1	99	20.17	0.104	20.48	0.112	20.13	0.103
20	16QAM	50	0	20.02	0.100	20.12	0.103	20.05	0.101
20	16QAM	50	24	20.07	0.102	19.99	0.100	20.10	0.102
20	16QAM	50	50	20.15	0.104	20.20	0.105	20.03	0.101
20	16QAM	100	0	20.03	0.101	20.15	0.104	20.13	0.103
20	64QAM	1	0	20.51	0.112	20.35	0.108	20.08	0.102
20	64QAM	1	49	20.45	0.111	20.42	0.110	20.47	0.111
20	64QAM	1	99	20.43	0.110	20.48	0.112	20.39	0.109
20	64QAM	50	0	20.17	0.104	20.18	0.104	20.23	0.105
20	64QAM	50	24	20.22	0.105	20.23	0.105	20.23	0.105
20	64QAM	50	50	20.26	0.106	20.33	0.108	20.18	0.104
20	64QAM	100	0	20.19	0.104	20.16	0.104	20.28	0.107



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20825		21100		21375	
Frequency (MHz)				2507.5		2535		2562.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	21.43	0.139	21.52	0.142	21.52	0.142
15	QPSK	1	37	21.53	0.142	21.50	0.141	21.54	0.143
15	QPSK	1	74	21.47	0.140	21.54	0.143	21.54	0.143
15	QPSK	36	0	20.25	0.106	20.34	0.108	20.36	0.109
15	QPSK	36	20	20.33	0.108	20.40	0.110	20.35	0.108
15	QPSK	36	39	20.36	0.109	20.39	0.109	20.43	0.110
15	QPSK	75	0	20.42	0.110	20.35	0.108	20.37	0.109
15	16QAM	1	0	20.58	0.114	20.69	0.117	20.76	0.119
15	16QAM	1	37	20.40	0.110	20.51	0.112	20.49	0.112
15	16QAM	1	74	20.44	0.111	20.44	0.111	20.66	0.116
15	16QAM	36	0	20.03	0.101	20.14	0.103	20.16	0.104
15	16QAM	36	20	20.10	0.102	20.13	0.103	20.12	0.103
15	16QAM	36	39	20.16	0.104	20.14	0.103	20.03	0.101
15	16QAM	75	0	20.11	0.103	20.19	0.104	20.11	0.103
15	64QAM	1	0	20.41	0.110	20.38	0.109	20.26	0.106
15	64QAM	1	37	20.31	0.107	20.46	0.111	20.55	0.114
15	64QAM	1	74	20.30	0.107	20.42	0.110	20.48	0.112
15	64QAM	36	0	20.15	0.104	20.23	0.105	20.22	0.105
15	64QAM	36	20	20.26	0.106	20.25	0.106	20.32	0.108
15	64QAM	36	39	20.30	0.107	20.21	0.105	20.23	0.105
15	64QAM	75	0	20.15	0.104	20.25	0.106	20.20	0.105





LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20800		21100		21400	
Frequency (MHz)				2505		2535		2565	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	21.42	0.139	21.29	0.135	21.32	0.136
10	QPSK	1	25	21.45	0.140	21.35	0.136	21.37	0.137
10	QPSK	1	49	21.38	0.137	21.35	0.136	21.37	0.137
10	QPSK	25	0	20.17	0.104	20.17	0.104	20.16	0.104
10	QPSK	25	12	20.13	0.103	20.25	0.106	20.30	0.107
10	QPSK	25	25	20.06	0.101	20.24	0.106	20.24	0.106
10	QPSK	50	0	20.15	0.104	20.27	0.106	20.26	0.106
10	16QAM	1	0	20.20	0.105	20.38	0.109	20.23	0.105
10	16QAM	1	25	20.19	0.104	20.21	0.105	20.26	0.106
10	16QAM	1	49	20.66	0.116	20.56	0.114	20.47	0.111
10	16QAM	25	0	20.09	0.102	19.97	0.099	20.05	0.101
10	16QAM	25	12	19.91	0.098	20.08	0.102	20.01	0.100
10	16QAM	25	25	19.96	0.099	19.99	0.100	19.91	0.098
10	16QAM	50	0	19.99	0.100	20.08	0.102	19.93	0.098
10	64QAM	1	0	20.41	0.110	20.37	0.109	20.35	0.108
10	64QAM	1	25	20.10	0.102	20.35	0.108	20.18	0.104
10	64QAM	1	49	20.21	0.105	20.45	0.111	20.26	0.106
10	64QAM	25	0	20.07	0.102	20.05	0.101	20.09	0.102
10	64QAM	25	12	20.09	0.102	20.20	0.105	20.13	0.103
10	64QAM	25	25	20.02	0.100	19.92	0.098	19.91	0.098
10	64QAM	50	0	19.96	0.099	20.02	0.100	19.94	0.099



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20775		21100		21425	
Frequency (MHz)				2502.5		2535		2567.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	21.46	0.140	21.37	0.137	21.27	0.134
5	QPSK	1	12	21.33	0.136	21.26	0.134	21.34	0.136
5	QPSK	1	24	21.27	0.134	21.33	0.136	21.37	0.137
5	QPSK	12	0	19.97	0.099	20.05	0.101	19.97	0.099
5	QPSK	12	7	20.04	0.101	20.19	0.104	20.11	0.103
5	QPSK	12	13	20.06	0.101	20.22	0.105	20.07	0.102
5	QPSK	25	0	20.07	0.102	20.08	0.102	20.03	0.101
5	16QAM	1	0	20.05	0.101	20.03	0.101	20.09	0.102
5	16QAM	1	12	20.10	0.102	20.32	0.108	20.22	0.105
5	16QAM	1	24	20.16	0.104	20.35	0.108	20.17	0.104
5	16QAM	12	0	20.07	0.102	20.13	0.103	20.04	0.101
5	16QAM	12	7	19.96	0.099	19.98	0.100	19.94	0.099
5	16QAM	12	13	19.96	0.099	20.02	0.100	20.15	0.104
5	16QAM	25	0	19.93	0.098	19.98	0.100	20.00	0.100
5	64QAM	1	0	20.17	0.104	20.22	0.105	20.18	0.104
5	64QAM	1	12	20.22	0.105	20.34	0.108	20.22	0.105
5	64QAM	1	24	20.26	0.106	20.36	0.109	20.32	0.108
5	64QAM	12	0	19.97	0.099	19.94	0.099	19.99	0.100
5	64QAM	12	7	20.06	0.101	20.11	0.103	19.90	0.098
5	64QAM	12	13	20.01	0.100	20.10	0.102	19.96	0.099
5	64QAM	25	0	19.96	0.099	19.95	0.099	20.00	0.100



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23060		23095		23130	
Frequency (MHz)				704		707.5		711	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	19.92	0.098	20.08	0.102	19.97	0.099
10	QPSK	1	25	19.78	0.095	19.91	0.098	19.94	0.099
10	QPSK	1	49	19.88	0.097	19.89	0.097	19.88	0.097
10	QPSK	25	0	19.17	0.083	19.27	0.085	19.18	0.083
10	QPSK	25	12	19.14	0.082	19.08	0.081	18.87	0.077
10	QPSK	25	25	19.19	0.083	19.25	0.084	19.18	0.083
10	QPSK	50	0	19.20	0.083	19.22	0.084	19.13	0.082
10	16QAM	1	0	19.13	0.082	18.68	0.074	18.81	0.076
10	16QAM	1	25	18.88	0.077	18.83	0.076	18.97	0.079
10	16QAM	1	49	18.97	0.079	19.02	0.080	18.91	0.078
10	16QAM	25	0	18.86	0.077	18.88	0.077	18.82	0.076
10	16QAM	25	12	18.90	0.078	18.94	0.078	18.83	0.076
10	16QAM	25	25	18.95	0.079	18.96	0.079	18.90	0.078
10	16QAM	50	0	18.85	0.077	18.93	0.078	18.98	0.079
10	64QAM	1	0	18.70	0.074	18.82	0.076	19.16	0.082
10	64QAM	1	25	19.14	0.082	19.20	0.083	18.79	0.076
10	64QAM	1	49	19.16	0.082	18.84	0.077	18.77	0.075
10	64QAM	25	0	18.67	0.074	18.61	0.073	18.58	0.072
10	64QAM	25	12	18.72	0.074	18.75	0.075	18.67	0.074
10	64QAM	25	25	18.77	0.075	18.74	0.075	18.74	0.075
10	64QAM	50	0	18.69	0.074	18.62	0.073	18.73	0.075



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23035		23095		23155	
Frequency (MHz)				701.5		707.5		713.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	19.67	0.093	20.00	0.100	19.78	0.095
5	QPSK	1	12	19.83	0.096	19.99	0.100	19.83	0.096
5	QPSK	1	24	19.79	0.095	19.98	0.100	19.84	0.096
5	QPSK	12	0	18.90	0.078	18.97	0.079	18.96	0.079
5	QPSK	12	7	19.01	0.080	19.03	0.080	19.00	0.079
5	QPSK	12	13	18.96	0.079	18.99	0.079	18.96	0.079
5	QPSK	25	0	18.92	0.078	19.04	0.080	19.00	0.079
5	16QAM	1	0	18.93	0.078	18.95	0.079	18.97	0.079
5	16QAM	1	12	19.10	0.081	19.05	0.080	19.06	0.081
5	16QAM	1	24	19.06	0.081	19.04	0.080	19.00	0.079
5	16QAM	12	0	18.80	0.076	18.77	0.075	18.80	0.076
5	16QAM	12	7	18.94	0.078	18.99	0.079	18.83	0.076
5	16QAM	12	13	18.89	0.077	18.86	0.077	18.91	0.078
5	16QAM	25	0	18.90	0.078	18.86	0.077	18.88	0.077
5	64QAM	1	0	18.68	0.074	18.69	0.074	18.74	0.075
5	64QAM	1	12	19.13	0.082	18.83	0.076	18.76	0.075
5	64QAM	1	24	19.11	0.081	18.80	0.076	18.85	0.077
5	64QAM	12	0	18.65	0.073	18.67	0.074	18.62	0.073
5	64QAM	12	7	18.75	0.075	18.63	0.073	18.69	0.074
5	64QAM	12	13	18.62	0.073	18.72	0.074	18.77	0.075
5	64QAM	25	0	18.77	0.075	18.73	0.075	18.70	0.074



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23025		23095		23165	
Frequency (MHz)				700.5		707.5		714.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	19.75	0.094	20.02	0.100	19.69	0.093
3	QPSK	1	8	19.93	0.098	19.92	0.098	19.82	0.096
3	QPSK	1	14	19.87	0.097	19.98	0.100	19.93	0.098
3	QPSK	8	0	18.98	0.079	18.96	0.079	18.96	0.079
3	QPSK	8	4	19.01	0.080	19.04	0.080	19.05	0.080
3	QPSK	8	7	18.96	0.079	19.04	0.080	18.98	0.079
3	QPSK	15	0	18.95	0.079	19.03	0.080	18.89	0.077
3	16QAM	1	0	18.96	0.079	19.32	0.086	18.91	0.078
3	16QAM	1	8	19.16	0.082	19.14	0.082	19.09	0.081
3	16QAM	1	14	18.99	0.079	19.04	0.080	18.90	0.078
3	16QAM	8	0	18.96	0.079	18.85	0.077	18.88	0.077
3	16QAM	8	4	19.01	0.080	18.98	0.079	19.09	0.081
3	16QAM	8	7	18.85	0.077	18.88	0.077	18.94	0.078
3	16QAM	15	0	18.83	0.076	18.76	0.075	18.75	0.075
3	64QAM	1	0	18.69	0.074	19.03	0.080	19.02	0.080
3	64QAM	1	8	18.98	0.079	18.88	0.077	18.89	0.077
3	64QAM	1	14	18.91	0.078	18.76	0.075	18.87	0.077
3	64QAM	8	0	18.58	0.072	18.66	0.073	18.57	0.072
3	64QAM	8	4	18.67	0.074	18.71	0.074	18.70	0.074
3	64QAM	8	7	18.66	0.073	18.58	0.072	18.73	0.075
3	64QAM	15	0	18.65	0.073	18.67	0.074	18.59	0.072



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23017		23095		23173	
Frequency (MHz)				699.7		707.5		715.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	19.78	0.095	19.95	0.099	19.75	0.094
1.4	QPSK	1	3	19.89	0.097	19.88	0.097	19.90	0.098
1.4	QPSK	1	5	19.78	0.095	19.83	0.096	19.79	0.095
1.4	QPSK	3	0	19.73	0.094	19.86	0.097	19.84	0.096
1.4	QPSK	3	1	19.94	0.099	19.94	0.099	19.61	0.091
1.4	QPSK	3	3	19.89	0.097	19.91	0.098	19.87	0.097
1.4	QPSK	6	0	18.95	0.079	18.92	0.078	18.90	0.078
1.4	16QAM	1	0	18.99	0.079	18.93	0.078	18.78	0.076
1.4	16QAM	1	3	18.80	0.076	19.23	0.084	18.90	0.078
1.4	16QAM	1	5	18.92	0.078	18.93	0.078	18.92	0.078
1.4	16QAM	3	0	18.76	0.075	18.79	0.076	18.80	0.076
1.4	16QAM	3	1	18.92	0.078	19.00	0.079	18.84	0.077
1.4	16QAM	3	3	18.75	0.075	18.89	0.077	18.89	0.077
1.4	16QAM	6	0	18.68	0.074	18.88	0.077	18.78	0.076
1.4	64QAM	1	0	18.53	0.071	18.68	0.074	18.52	0.071
1.4	64QAM	1	3	18.65	0.073	18.58	0.072	18.63	0.073
1.4	64QAM	1	5	18.81	0.076	18.84	0.077	18.80	0.076
1.4	64QAM	3	0	18.71	0.074	18.72	0.074	18.55	0.072
1.4	64QAM	3	1	18.69	0.074	18.93	0.078	18.78	0.076
1.4	64QAM	3	3	18.71	0.074	18.55	0.072	18.71	0.074
1.4	64QAM	6	0	18.67	0.074	18.68	0.074	18.55	0.072



LTE Band 13				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				/		23230		/	
Frequency (MHz)				/		782		/	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	/	/	18.78	0.076	/	/
10	QPSK	1	25	/	/	18.70	0.074	/	/
10	QPSK	1	49	/	/	18.75	0.075	/	/
10	QPSK	25	0	/	/	17.87	0.061	/	/
10	QPSK	25	12	/	/	17.68	0.059	/	/
10	QPSK	25	25	/	/	17.62	0.058	/	/
10	QPSK	50	0	/	/	17.65	0.058	/	/
10	16QAM	1	0	/	/	17.77	0.060	/	/
10	16QAM	1	25	/	/	17.69	0.059	/	/
10	16QAM	1	49	/	/	17.99	0.063	/	/
10	16QAM	25	0	/	/	17.80	0.060	/	/
10	16QAM	25	12	/	/	17.75	0.060	/	/
10	16QAM	25	25	/	/	17.88	0.061	/	/
10	16QAM	50	0	/	/	17.65	0.058	/	/
10	64QAM	1	0	/	/	17.95	0.062	/	/
10	64QAM	1	25	/	/	17.77	0.060	/	/
10	64QAM	1	49	/	/	17.74	0.059	/	/
10	64QAM	25	0	/	/	17.67	0.058	/	/
10	64QAM	25	12	/	/	17.60	0.058	/	/
10	64QAM	25	25	/	/	17.66	0.058	/	/
10	64QAM	50	0	/	/	17.73	0.059	/	/



LTE Band 13				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23205		23230		23255	
Frequency (MHz)				779.5		782		784.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	18.67	0.074	18.70	0.074	18.68	0.074
5	QPSK	1	12	18.67	0.074	18.69	0.074	18.65	0.073
5	QPSK	1	24	18.66	0.073	18.64	0.073	18.57	0.072
5	QPSK	12	0	17.58	0.057	17.66	0.058	17.75	0.060
5	QPSK	12	7	17.65	0.058	17.64	0.058	17.73	0.059
5	QPSK	12	13	17.57	0.057	17.73	0.059	17.71	0.059
5	QPSK	25	0	17.64	0.058	17.61	0.058	17.71	0.059
5	16QAM	1	0	17.71	0.059	18.07	0.064	17.86	0.061
5	16QAM	1	12	17.77	0.060	17.92	0.062	17.80	0.060
5	16QAM	1	24	17.87	0.061	17.69	0.059	17.70	0.059
5	16QAM	12	0	18.30	0.068	18.27	0.067	18.20	0.066
5	16QAM	12	7	18.31	0.068	18.20	0.066	18.32	0.068
5	16QAM	12	13	18.28	0.067	18.27	0.067	18.31	0.068
5	16QAM	25	0	17.65	0.058	17.69	0.059	17.71	0.059
5	64QAM	1	0	17.91	0.062	17.89	0.062	17.81	0.060
5	64QAM	1	12	17.87	0.061	17.77	0.060	17.90	0.062
5	64QAM	1	24	17.88	0.061	17.87	0.061	17.87	0.061
5	64QAM	12	0	17.70	0.059	17.76	0.060	17.83	0.061
5	64QAM	12	7	17.87	0.061	17.66	0.058	17.76	0.060
5	64QAM	12	13	17.66	0.058	17.77	0.060	17.67	0.058
5	64QAM	25	0	17.57	0.057	17.68	0.059	17.68	0.059





LTE Band 25				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26140		26365		26590	
Frequency (MHz)				1860		1882.5		1905	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	22.58	0.181	22.61	0.182	22.58	0.181
20	QPSK	1	49	22.46	0.176	22.42	0.175	22.48	0.177
20	QPSK	1	99	22.39	0.173	22.42	0.175	22.37	0.173
20	QPSK	50	0	21.69	0.148	21.75	0.150	21.67	0.147
20	QPSK	50	24	21.54	0.143	21.48	0.141	21.62	0.145
20	QPSK	50	50	21.52	0.142	21.52	0.142	21.61	0.145
20	QPSK	100	0	21.65	0.146	21.52	0.142	21.53	0.142
20	16QAM	1	0	21.38	0.137	21.57	0.144	21.71	0.148
20	16QAM	1	49	21.59	0.144	21.88	0.154	21.72	0.149
20	16QAM	1	99	21.55	0.143	21.80	0.151	21.85	0.153
20	16QAM	50	0	21.49	0.141	21.73	0.149	21.72	0.149
20	16QAM	50	24	21.55	0.143	21.70	0.148	21.68	0.147
20	16QAM	50	50	21.38	0.137	21.64	0.146	21.69	0.148
20	16QAM	100	0	21.42	0.139	21.71	0.148	21.68	0.147
20	64QAM	1	0	21.39	0.138	21.72	0.149	21.40	0.138
20	64QAM	1	49	21.62	0.145	21.52	0.142	21.42	0.139
20	64QAM	1	99	21.36	0.137	21.39	0.138	21.39	0.138
20	64QAM	50	0	21.54	0.143	21.71	0.148	21.69	0.148
20	64QAM	50	24	21.46	0.140	21.54	0.143	21.71	0.148
20	64QAM	50	50	21.40	0.138	21.61	0.145	21.77	0.150
20	64QAM	100	0	21.47	0.140	21.70	0.148	21.71	0.148



LTE Band 25				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26115		26365		26615	
Frequency (MHz)				1857.5		1882.5		1907.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	22.52	0.179	22.48	0.177	22.44	0.175
15	QPSK	1	37	22.51	0.178	22.47	0.177	22.46	0.176
15	QPSK	1	74	22.43	0.175	22.49	0.177	22.48	0.177
15	QPSK	36	0	21.59	0.144	21.77	0.150	21.93	0.156
15	QPSK	36	20	21.71	0.148	21.80	0.151	21.88	0.154
15	QPSK	36	39	21.54	0.143	21.82	0.152	21.88	0.154
15	QPSK	75	0	21.57	0.144	21.74	0.149	21.87	0.154
15	16QAM	1	0	22.05	0.160	22.10	0.162	21.82	0.152
15	16QAM	1	37	22.22	0.167	21.78	0.151	22.15	0.164
15	16QAM	1	74	22.06	0.161	22.11	0.163	22.27	0.169
15	16QAM	36	0	21.50	0.141	21.53	0.142	21.74	0.149
15	16QAM	36	20	21.50	0.141	21.57	0.144	21.69	0.148
15	16QAM	36	39	21.41	0.138	21.66	0.147	21.69	0.148
15	16QAM	75	0	21.51	0.142	21.63	0.146	21.67	0.147
15	64QAM	1	0	21.31	0.135	21.32	0.136	21.32	0.136
15	64QAM	1	37	21.35	0.136	21.32	0.136	21.40	0.138
15	64QAM	1	74	21.40	0.138	21.40	0.138	21.32	0.136
15	64QAM	36	0	21.46	0.140	21.51	0.142	21.75	0.150
15	64QAM	36	20	21.59	0.144	21.67	0.147	21.61	0.145
15	64QAM	36	39	21.44	0.139	21.62	0.145	21.64	0.146
15	64QAM	75	0	21.41	0.138	21.60	0.145	21.76	0.150



LTE Band 25				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26090		26365		26640	
Frequency (MHz)				1855		1882.5		1910	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	22.52	0.179	22.53	0.179	22.44	0.175
10	QPSK	1	25	22.47	0.177	22.41	0.174	22.40	0.174
10	QPSK	1	49	22.50	0.178	22.48	0.177	22.40	0.174
10	QPSK	25	0	21.84	0.153	21.76	0.150	21.70	0.148
10	QPSK	25	12	21.67	0.147	21.82	0.152	21.70	0.148
10	QPSK	25	25	21.69	0.148	21.81	0.152	21.48	0.141
10	QPSK	50	0	21.85	0.153	21.81	0.152	21.92	0.156
10	16QAM	1	0	21.80	0.151	21.70	0.148	21.95	0.157
10	16QAM	1	25	21.74	0.149	21.52	0.142	21.98	0.158
10	16QAM	1	49	21.72	0.149	21.95	0.157	21.95	0.157
10	16QAM	25	0	21.72	0.149	21.51	0.142	21.91	0.155
10	16QAM	25	12	21.49	0.141	21.60	0.145	21.71	0.148
10	16QAM	25	25	21.59	0.144	21.55	0.143	21.61	0.145
10	16QAM	50	0	21.50	0.141	21.67	0.147	21.41	0.138
10	64QAM	1	0	21.39	0.138	21.62	0.145	21.49	0.141
10	64QAM	1	25	21.32	0.136	21.42	0.139	21.60	0.145
10	64QAM	1	49	21.39	0.138	21.44	0.139	21.67	0.147
10	64QAM	25	0	21.45	0.140	21.56	0.143	21.77	0.150
10	64QAM	25	12	21.46	0.140	21.67	0.147	21.78	0.151
10	64QAM	25	25	21.44	0.139	21.68	0.147	21.82	0.152
10	64QAM	50	0	21.47	0.140	21.57	0.144	21.70	0.148



LTE Band 25				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26065		26365		26665	
Frequency (MHz)				1852.5		1882.5		1912.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	22.46	0.176	22.51	0.178	22.48	0.177
5	QPSK	1	12	22.44	0.175	22.44	0.175	22.43	0.175
5	QPSK	1	24	22.50	0.178	22.48	0.177	22.46	0.176
5	QPSK	12	0	21.89	0.155	21.63	0.146	21.89	0.155
5	QPSK	12	7	22.02	0.159	21.88	0.154	21.99	0.158
5	QPSK	12	13	21.59	0.144	21.98	0.158	21.91	0.155
5	QPSK	25	0	21.96	0.157	21.75	0.150	21.92	0.156
5	16QAM	1	0	21.96	0.157	21.66	0.147	21.85	0.153
5	16QAM	1	12	21.68	0.147	21.52	0.142	21.96	0.157
5	16QAM	1	24	21.59	0.144	21.61	0.145	21.95	0.157
5	16QAM	12	0	21.46	0.140	21.44	0.139	21.80	0.151
5	16QAM	12	7	21.49	0.141	21.61	0.145	21.57	0.144
5	16QAM	12	13	21.46	0.140	21.57	0.144	21.72	0.149
5	16QAM	25	0	21.37	0.137	21.54	0.143	21.64	0.146
5	64QAM	1	0	21.34	0.136	21.58	0.144	21.61	0.145
5	64QAM	1	12	21.39	0.138	21.42	0.139	21.41	0.138
5	64QAM	1	24	21.42	0.139	21.32	0.136	21.40	0.138
5	64QAM	12	0	21.41	0.138	21.53	0.142	21.68	0.147
5	64QAM	12	7	21.42	0.139	21.70	0.148	21.77	0.150
5	64QAM	12	13	21.35	0.136	21.60	0.145	21.69	0.148
5	64QAM	25	0	21.41	0.138	21.58	0.144	21.73	0.149



LTE Band 25				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26055		26365		26675	
Frequency (MHz)				1851.5		1882.5		1913.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	22.45	0.176	22.47	0.177	22.49	0.177
3	QPSK	1	8	22.48	0.177	22.43	0.175	22.47	0.177
3	QPSK	1	14	22.36	0.172	22.44	0.175	22.37	0.173
3	QPSK	8	0	21.54	0.143	21.67	0.147	21.73	0.149
3	QPSK	8	4	21.69	0.148	21.66	0.147	21.84	0.153
3	QPSK	8	7	21.53	0.142	21.67	0.147	21.76	0.150
3	QPSK	15	0	21.60	0.145	21.66	0.147	21.80	0.151
3	16QAM	1	0	21.66	0.147	21.74	0.149	21.90	0.155
3	16QAM	1	8	21.94	0.156	21.90	0.155	21.74	0.149
3	16QAM	1	14	22.00	0.158	21.90	0.155	21.85	0.153
3	16QAM	8	0	21.44	0.139	21.44	0.139	21.44	0.139
3	16QAM	8	4	21.44	0.139	21.60	0.145	21.79	0.151
3	16QAM	8	7	21.55	0.143	21.74	0.149	21.80	0.151
3	16QAM	15	0	21.59	0.144	21.49	0.141	21.70	0.148
3	64QAM	1	0	21.64	0.146	21.46	0.140	21.61	0.145
3	64QAM	1	8	21.68	0.147	21.39	0.138	21.40	0.138
3	64QAM	1	14	21.59	0.144	21.40	0.138	21.42	0.139
3	64QAM	8	0	21.47	0.140	21.57	0.144	21.73	0.149
3	64QAM	8	4	21.42	0.139	21.62	0.145	21.69	0.148
3	64QAM	8	7	21.40	0.138	21.46	0.140	21.80	0.151
3	64QAM	15	0	21.39	0.138	21.47	0.140	21.68	0.147



LTE Band 25				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26047		26365		26683	
Frequency (MHz)				1850.7		1882.5		1914.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	22.46	0.176	22.46	0.176	22.44	0.175
1.4	QPSK	1	3	22.43	0.175	22.44	0.175	22.38	0.173
1.4	QPSK	1	5	22.38	0.173	22.44	0.175	22.35	0.172
1.4	QPSK	3	0	22.33	0.171	22.37	0.173	22.46	0.176
1.4	QPSK	3	1	22.36	0.172	22.40	0.174	22.43	0.175
1.4	QPSK	3	3	22.41	0.174	22.34	0.171	22.38	0.173
1.4	QPSK	6	0	21.65	0.146	21.82	0.152	21.64	0.146
1.4	16QAM	1	0	21.96	0.157	21.78	0.151	21.48	0.141
1.4	16QAM	1	3	21.74	0.149	21.48	0.141	21.73	0.149
1.4	16QAM	1	5	21.48	0.141	21.74	0.149	21.85	0.153
1.4	16QAM	3	0	21.71	0.148	21.73	0.149	21.75	0.150
1.4	16QAM	3	1	21.75	0.150	21.90	0.155	21.96	0.157
1.4	16QAM	3	3	21.52	0.142	21.76	0.150	22.00	0.158
1.4	16QAM	6	0	21.62	0.145	21.75	0.150	21.42	0.139
1.4	64QAM	1	0	21.42	0.139	21.72	0.149	21.59	0.144
1.4	64QAM	1	3	21.40	0.138	21.75	0.150	21.42	0.139
1.4	64QAM	1	5	21.41	0.138	21.82	0.152	21.61	0.145
1.4	64QAM	3	0	21.48	0.141	21.60	0.145	21.42	0.139
1.4	64QAM	3	1	21.39	0.138	21.42	0.139	21.40	0.138
1.4	64QAM	3	3	21.64	0.146	21.40	0.138	21.72	0.149
1.4	64QAM	6	0	21.45	0.140	21.63	0.146	21.68	0.147



LTE Band 26				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26865		26915		26965	
Frequency (MHz)				831.5		836.5		841.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	17.65	0.058	17.61	0.058	17.67	0.058
15	QPSK	1	37	18.45	0.070	18.46	0.070	18.54	0.071
15	QPSK	1	74	18.48	0.070	18.40	0.069	18.49	0.071
15	QPSK	36	0	17.79	0.060	17.75	0.060	17.81	0.060
15	QPSK	36	20	17.44	0.055	17.49	0.056	17.53	0.057
15	QPSK	36	39	17.55	0.057	17.57	0.057	17.61	0.058
15	QPSK	75	0	17.58	0.057	17.60	0.058	17.63	0.058
15	16QAM	1	0	17.88	0.061	17.93	0.062	17.97	0.063
15	16QAM	1	37	17.66	0.058	17.69	0.059	17.75	0.060
15	16QAM	1	74	17.45	0.056	17.48	0.056	17.55	0.057
15	16QAM	36	0	17.53	0.057	17.52	0.056	17.54	0.057
15	16QAM	36	20	17.52	0.056	17.50	0.056	17.55	0.057
15	16QAM	36	39	17.48	0.056	17.46	0.056	17.55	0.057
15	16QAM	75	0	17.48	0.056	17.48	0.056	17.57	0.057
15	64QAM	1	0	16.57	0.045	16.65	0.046	16.66	0.046
15	64QAM	1	37	16.73	0.047	16.68	0.047	16.76	0.047
15	64QAM	1	74	16.87	0.049	16.85	0.048	16.94	0.049
15	64QAM	36	0	16.78	0.048	16.79	0.048	16.82	0.048
15	64QAM	36	20	16.72	0.047	16.67	0.046	16.74	0.047
15	64QAM	36	39	16.56	0.045	16.57	0.045	16.65	0.046
15	64QAM	75	0	16.76	0.047	16.69	0.047	16.79	0.048



LTE Band 26				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26840		26915		26990	
Frequency (MHz)				829.0		836.5		844.0	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	18.48	0.070	18.37	0.069	18.46	0.070
10	QPSK	1	25	18.31	0.068	18.36	0.069	18.40	0.069
10	QPSK	1	49	18.41	0.069	18.32	0.068	18.39	0.069
10	QPSK	25	0	17.47	0.056	17.48	0.056	17.54	0.057
10	QPSK	25	12	17.35	0.054	17.41	0.055	17.44	0.055
10	QPSK	25	25	17.44	0.055	17.41	0.055	17.51	0.056
10	QPSK	50	0	17.54	0.057	17.44	0.055	17.53	0.057
10	16QAM	1	0	17.67	0.058	17.61	0.058	17.64	0.058
10	16QAM	1	25	17.74	0.059	17.69	0.059	17.78	0.060
10	16QAM	1	49	17.55	0.057	17.54	0.057	17.55	0.057
10	16QAM	25	0	18.01	0.063	18.01	0.063	18.02	0.063
10	16QAM	25	12	17.85	0.061	17.82	0.061	17.84	0.061
10	16QAM	25	25	17.65	0.058	17.67	0.058	17.71	0.059
10	16QAM	50	0	17.76	0.060	17.81	0.060	17.83	0.061
10	64QAM	1	0	16.69	0.047	16.64	0.046	16.74	0.047
10	64QAM	1	25	16.75	0.047	16.70	0.047	16.76	0.047
10	64QAM	1	49	16.77	0.048	16.65	0.046	16.73	0.047
10	64QAM	25	0	16.72	0.047	16.79	0.048	16.81	0.048
10	64QAM	25	12	16.82	0.048	16.74	0.047	16.80	0.048
10	64QAM	25	25	16.54	0.045	16.57	0.045	16.63	0.046
10	64QAM	50	0	16.71	0.047	16.71	0.047	16.77	0.048





LTE Band 26				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26815		26915		27015	
Frequency (MHz)				826.5		836.5		846.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	18.42	0.070	18.49	0.071	18.45	0.070
5	QPSK	1	12	18.37	0.069	18.36	0.069	18.45	0.070
5	QPSK	1	24	18.38	0.069	18.45	0.070	18.47	0.070
5	QPSK	12	0	17.54	0.057	17.53	0.057	17.52	0.056
5	QPSK	12	7	17.62	0.058	17.64	0.058	17.62	0.058
5	QPSK	12	13	17.44	0.055	17.47	0.056	17.51	0.056
5	QPSK	25	0	17.61	0.058	17.64	0.058	17.70	0.059
5	16QAM	1	0	17.54	0.057	17.60	0.058	17.56	0.057
5	16QAM	1	12	17.38	0.055	17.39	0.055	17.46	0.056
5	16QAM	1	24	17.63	0.058	17.62	0.058	17.69	0.059
5	16QAM	12	0	17.66	0.058	17.76	0.060	17.72	0.059
5	16QAM	12	7	17.41	0.055	17.45	0.056	17.48	0.056
5	16QAM	12	13	17.54	0.057	17.57	0.057	17.53	0.057
5	16QAM	25	0	17.46	0.056	17.58	0.057	17.55	0.057
5	64QAM	1	0	16.63	0.046	16.77	0.048	16.73	0.047
5	64QAM	1	12	16.72	0.047	16.66	0.046	16.74	0.047
5	64QAM	1	24	16.64	0.046	16.71	0.047	16.73	0.047
5	64QAM	12	0	16.56	0.045	16.58	0.045	16.64	0.046
5	64QAM	12	7	16.65	0.046	16.66	0.046	16.65	0.046
5	64QAM	12	13	16.51	0.045	16.59	0.046	16.57	0.045
5	64QAM	25	0	16.53	0.045	16.67	0.046	16.63	0.046



LTE Band 26				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26805		26915		27025	
Frequency (MHz)				825.5		836.5		847.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	18.41	0.069	18.47	0.070	18.50	0.071
3	QPSK	1	8	18.31	0.068	18.39	0.069	18.39	0.069
3	QPSK	1	14	18.49	0.071	18.47	0.070	18.46	0.070
3	QPSK	8	0	17.64	0.058	17.68	0.059	17.74	0.059
3	QPSK	8	4	17.43	0.055	17.43	0.055	17.51	0.056
3	QPSK	8	7	17.67	0.058	17.75	0.060	17.72	0.059
3	QPSK	15	0	17.53	0.057	17.62	0.058	17.63	0.058
3	16QAM	1	0	17.82	0.061	17.79	0.060	17.79	0.060
3	16QAM	1	8	17.73	0.059	17.78	0.060	17.75	0.060
3	16QAM	1	14	17.65	0.058	17.65	0.058	17.66	0.058
3	16QAM	8	0	17.52	0.056	17.62	0.058	17.60	0.058
3	16QAM	8	4	17.50	0.056	17.55	0.057	17.55	0.057
3	16QAM	8	7	17.42	0.055	17.54	0.057	17.51	0.056
3	16QAM	15	0	17.61	0.058	17.55	0.057	17.64	0.058
3	64QAM	1	0	16.79	0.048	16.75	0.047	16.85	0.048
3	64QAM	1	8	16.75	0.047	16.69	0.047	16.76	0.047
3	64QAM	1	14	16.95	0.050	16.92	0.049	16.92	0.049
3	64QAM	8	0	16.70	0.047	16.71	0.047	16.70	0.047
3	64QAM	8	4	16.73	0.047	16.74	0.047	16.70	0.047
3	64QAM	8	7	16.68	0.047	16.70	0.047	16.69	0.047
3	64QAM	15	0	16.70	0.047	16.69	0.047	16.67	0.046



LTE Band 26				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26797		26915		27033	
Frequency (MHz)				824.7		836.5		848.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	18.41	0.069	18.42	0.070	18.45	0.070
1.4	QPSK	1	3	18.37	0.069	18.39	0.069	18.37	0.069
1.4	QPSK	1	5	18.37	0.069	18.26	0.067	18.36	0.069
1.4	QPSK	3	0	18.31	0.068	18.35	0.068	18.38	0.069
1.4	QPSK	3	1	18.46	0.070	18.42	0.070	18.44	0.070
1.4	QPSK	3	3	18.50	0.071	18.42	0.070	18.47	0.070
1.4	QPSK	6	0	17.77	0.060	17.76	0.060	17.74	0.059
1.4	16QAM	1	0	17.51	0.056	17.54	0.057	17.61	0.058
1.4	16QAM	1	3	17.51	0.056	17.46	0.056	17.55	0.057
1.4	16QAM	1	5	17.60	0.058	17.68	0.059	17.65	0.058
1.4	16QAM	3	0	17.63	0.058	17.65	0.058	17.72	0.059
1.4	16QAM	3	1	17.55	0.057	17.60	0.058	17.63	0.058
1.4	16QAM	3	3	17.35	0.054	17.40	0.055	17.44	0.055
1.4	16QAM	6	0	18.04	0.064	17.93	0.062	18.02	0.063
1.4	64QAM	1	0	16.89	0.049	16.90	0.049	16.98	0.050
1.4	64QAM	1	3	16.95	0.050	16.96	0.050	17.02	0.050
1.4	64QAM	1	5	16.99	0.050	17.02	0.050	17.06	0.051
1.4	64QAM	3	0	16.95	0.050	16.92	0.049	17.02	0.050
1.4	64QAM	3	1	16.97	0.050	16.98	0.050	16.98	0.050
1.4	64QAM	3	3	16.83	0.048	16.83	0.048	16.93	0.049
1.4	64QAM	6	0	16.73	0.047	16.71	0.047	16.69	0.047



LTE Band 30				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				/		27710		/	
Frequency (MHz)				/		2310		/	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	/	/	22.11	0.163	/	/
10	QPSK	1	25	/	/	22.06	0.161	/	/
10	QPSK	1	49	/	/	22.10	0.162	/	/
10	QPSK	25	0	/	/	21.29	0.135	/	/
10	QPSK	25	12	/	/	21.18	0.131	/	/
10	QPSK	25	25	/	/	21.16	0.131	/	/
10	QPSK	50	0	/	/	21.27	0.134	/	/
10	16QAM	1	0	/	/	21.24	0.133	/	/
10	16QAM	1	25	/	/	21.15	0.130	/	/
10	16QAM	1	49	/	/	21.41	0.138	/	/
10	16QAM	25	0	/	/	21.27	0.134	/	/
10	16QAM	25	12	/	/	21.26	0.134	/	/
10	16QAM	25	25	/	/	21.24	0.133	/	/
10	16QAM	50	0	/	/	21.20	0.132	/	/
10	64QAM	1	0	/	/	20.97	0.125	/	/
10	64QAM	1	25	/	/	21.05	0.127	/	/
10	64QAM	1	49	/	/	21.04	0.127	/	/
10	64QAM	25	0	/	/	20.94	0.124	/	/
10	64QAM	25	12	/	/	21.19	0.132	/	/
10	64QAM	25	25	/	/	21.22	0.132	/	/
10	64QAM	50	0	/	/	21.20	0.132	/	/



LTE Band 30				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				27685		27710		27735	
Frequency (MHz)				2307.5		2310		2312.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	21.94	0.156	22.05	0.160	21.92	0.156
5	QPSK	1	12	22.00	0.158	21.99	0.158	22.09	0.162
5	QPSK	1	24	21.93	0.156	21.89	0.155	22.06	0.161
5	QPSK	12	0	21.27	0.134	21.34	0.136	21.28	0.134
5	QPSK	12	7	21.45	0.140	21.32	0.136	21.24	0.133
5	QPSK	12	13	21.30	0.135	21.23	0.133	21.26	0.134
5	QPSK	25	0	21.35	0.136	21.19	0.132	21.25	0.133
5	16QAM	1	0	21.34	0.136	21.41	0.138	21.27	0.134
5	16QAM	1	12	21.22	0.132	21.37	0.137	21.05	0.127
5	16QAM	1	24	21.33	0.136	20.98	0.125	21.08	0.128
5	16QAM	12	0	21.01	0.126	21.08	0.128	21.25	0.133
5	16QAM	12	7	21.04	0.127	21.08	0.128	21.09	0.129
5	16QAM	12	13	21.01	0.126	21.20	0.132	21.18	0.131
5	16QAM	25	0	21.09	0.129	21.19	0.132	21.31	0.135
5	64QAM	1	0	21.08	0.128	21.04	0.127	20.98	0.125
5	64QAM	1	12	20.95	0.124	21.04	0.127	20.95	0.124
5	64QAM	1	24	21.08	0.128	21.04	0.127	21.04	0.127
5	64QAM	12	0	21.04	0.127	21.08	0.128	20.97	0.125
5	64QAM	12	7	21.04	0.127	21.21	0.132	21.01	0.126
5	64QAM	12	13	21.22	0.132	21.20	0.132	21.23	0.133
5	64QAM	25	0	21.25	0.133	21.24	0.133	21.19	0.132



LTE Band 41 (Power Class 2)				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39750		40620		41490	
Frequency (MHz)				2506		2593		2680	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	25.39	0.346	26.50	0.447	25.92	0.391
20	QPSK	1	49	25.38	0.345	26.44	0.441	25.91	0.390
20	QPSK	1	99	25.27	0.337	26.43	0.440	25.77	0.378
20	QPSK	50	0	24.73	0.297	25.55	0.359	25.03	0.318
20	QPSK	50	24	24.63	0.290	25.46	0.352	24.94	0.312
20	QPSK	50	50	24.59	0.288	25.53	0.357	24.87	0.307
20	QPSK	100	0	24.72	0.296	25.44	0.350	24.99	0.316
20	16QAM	1	0	24.95	0.313	26.00	0.398	25.51	0.356
20	16QAM	1	49	24.88	0.308	25.90	0.389	25.47	0.352
20	16QAM	1	99	24.90	0.309	25.96	0.394	25.36	0.344
20	16QAM	50	0	23.87	0.244	24.70	0.295	24.15	0.260
20	16QAM	50	24	23.85	0.243	24.65	0.292	24.14	0.259
20	16QAM	50	50	23.73	0.236	24.70	0.295	24.04	0.254
20	16QAM	100	0	23.69	0.234	24.66	0.292	23.99	0.251
20	64QAM	1	0	24.86	0.306	25.92	0.391	25.39	0.346
20	64QAM	1	49	24.85	0.305	25.88	0.387	25.38	0.345
20	64QAM	1	99	24.71	0.296	25.75	0.376	25.27	0.337
20	64QAM	50	0	23.84	0.242	24.70	0.295	24.11	0.258
20	64QAM	50	24	23.84	0.242	24.69	0.294	24.08	0.256
20	64QAM	50	50	23.76	0.238	24.52	0.283	24.06	0.255
20	64QAM	100	0	23.64	0.231	24.69	0.294	23.92	0.247



LTE Band 41 (Power Class 2)				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39725		40620		41515	
Frequency (MHz)				2503.5		2593		2682.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	25.41	0.348	26.46	0.443	25.88	0.387
15	QPSK	1	37	25.35	0.343	26.43	0.440	25.80	0.380
15	QPSK	1	74	25.23	0.333	26.34	0.431	25.84	0.384
15	QPSK	36	0	24.75	0.299	25.58	0.361	25.00	0.316
15	QPSK	36	20	24.64	0.291	25.49	0.354	24.99	0.316
15	QPSK	36	39	24.71	0.296	25.47	0.352	24.82	0.303
15	QPSK	75	0	24.58	0.287	25.29	0.338	24.79	0.301
15	16QAM	1	0	24.95	0.313	25.98	0.396	25.41	0.348
15	16QAM	1	37	24.84	0.305	25.87	0.386	25.36	0.344
15	16QAM	1	74	24.82	0.303	25.73	0.374	25.34	0.342
15	16QAM	36	0	23.88	0.244	24.73	0.297	24.10	0.257
15	16QAM	36	20	23.87	0.244	24.66	0.292	23.99	0.251
15	16QAM	36	39	23.76	0.238	24.67	0.293	24.00	0.251
15	16QAM	75	0	23.87	0.244	24.59	0.288	24.03	0.253
15	64QAM	1	0	24.88	0.308	25.87	0.386	25.33	0.341
15	64QAM	1	37	24.83	0.304	25.85	0.385	25.26	0.336
15	64QAM	1	74	24.82	0.303	25.78	0.378	25.24	0.334
15	64QAM	36	0	23.87	0.244	24.71	0.296	24.09	0.256
15	64QAM	36	20	23.78	0.239	24.66	0.292	24.02	0.252
15	64QAM	36	39	23.69	0.234	24.53	0.284	23.98	0.250
15	64QAM	75	0	23.87	0.244	24.56	0.286	23.93	0.247



LTE Band 41 (Power Class 2)				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39700		40620		41540	
Frequency (MHz)				2501		2593		2685	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	24.73	0.297	24.89	0.308	24.59	0.288
10	QPSK	1	25	24.63	0.290	24.78	0.301	24.59	0.288
10	QPSK	1	49	24.58	0.287	24.81	0.303	24.51	0.282
10	QPSK	25	0	23.87	0.244	23.92	0.247	23.64	0.231
10	QPSK	25	12	23.81	0.240	23.81	0.240	23.56	0.227
10	QPSK	25	25	23.72	0.236	23.81	0.240	23.56	0.227
10	QPSK	50	0	23.72	0.236	23.77	0.238	23.47	0.222
10	16QAM	1	0	24.26	0.267	24.42	0.277	24.12	0.258
10	16QAM	1	25	24.15	0.260	24.40	0.275	24.11	0.258
10	16QAM	1	49	24.12	0.258	24.38	0.274	23.96	0.249
10	16QAM	25	0	22.81	0.191	23.01	0.200	22.63	0.183
10	16QAM	25	12	22.72	0.187	22.90	0.195	22.56	0.180
10	16QAM	25	25	22.79	0.190	22.92	0.196	22.63	0.183
10	16QAM	50	0	22.79	0.190	22.97	0.198	22.46	0.176
10	64QAM	1	0	24.46	0.279	24.61	0.289	24.04	0.254
10	64QAM	1	25	24.46	0.279	24.57	0.286	23.97	0.249
10	64QAM	1	49	24.31	0.270	24.45	0.279	24.03	0.253
10	64QAM	25	0	22.81	0.191	23.01	0.200	22.64	0.184
10	64QAM	25	12	22.75	0.188	22.96	0.198	22.63	0.183
10	64QAM	25	25	22.68	0.185	22.83	0.192	22.52	0.179
10	64QAM	50	0	22.64	0.184	23.00	0.200	22.45	0.176





LTE Band 41 (Power Class 2)				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39675		40620		41565	
Frequency (MHz)				2498.5		2593		2687.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	24.84	0.305	24.86	0.306	24.69	0.294
5	QPSK	1	12	24.88	0.308	24.81	0.303	24.61	0.289
5	QPSK	1	24	24.90	0.309	24.83	0.304	24.51	0.282
5	QPSK	12	0	23.81	0.240	23.85	0.243	23.58	0.228
5	QPSK	12	7	23.71	0.235	23.79	0.239	23.47	0.222
5	QPSK	12	13	23.71	0.235	23.74	0.237	23.55	0.226
5	QPSK	25	0	23.69	0.234	23.81	0.240	23.54	0.226
5	16QAM	1	0	24.34	0.272	24.42	0.277	24.30	0.269
5	16QAM	1	12	24.28	0.268	24.39	0.275	24.20	0.263
5	16QAM	1	24	24.23	0.265	24.29	0.269	24.17	0.261
5	16QAM	12	0	22.83	0.192	22.86	0.193	22.59	0.182
5	16QAM	12	7	22.78	0.190	22.79	0.190	22.55	0.180
5	16QAM	12	13	22.65	0.184	22.76	0.189	22.41	0.174
5	16QAM	25	0	22.63	0.183	22.80	0.191	22.43	0.175
5	64QAM	1	0	24.60	0.288	24.78	0.301	24.35	0.272
5	64QAM	1	12	24.59	0.288	24.64	0.291	24.26	0.267
5	64QAM	1	24	24.48	0.281	24.62	0.290	24.29	0.269
5	64QAM	12	0	22.73	0.187	22.78	0.190	22.48	0.177
5	64QAM	12	7	22.63	0.183	22.74	0.188	22.44	0.175
5	64QAM	12	13	22.71	0.187	22.72	0.187	22.31	0.170
5	64QAM	25	0	22.53	0.179	22.67	0.185	22.47	0.177



LTE Band 41 (Power Class 3)				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39750		40620		41490	
Frequency (MHz)				2506		2593		2680	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	21.79	0.151	21.91	0.155	21.85	0.153
20	QPSK	1	49	21.75	0.150	21.84	0.153	21.85	0.153
20	QPSK	1	99	21.69	0.148	21.80	0.151	21.65	0.146
20	QPSK	50	0	20.75	0.119	21.01	0.126	20.94	0.124
20	QPSK	50	24	20.75	0.119	20.78	0.120	20.75	0.119
20	QPSK	50	50	20.78	0.120	20.79	0.120	20.85	0.122
20	QPSK	100	0	20.75	0.119	20.85	0.122	20.75	0.119
20	16QAM	1	0	20.79	0.120	20.78	0.120	20.75	0.119
20	16QAM	1	49	20.78	0.120	20.78	0.120	20.75	0.119
20	16QAM	1	99	20.85	0.122	20.85	0.122	20.85	0.122
20	16QAM	50	0	20.76	0.119	20.78	0.120	20.75	0.119
20	16QAM	50	24	20.74	0.119	20.75	0.119	20.75	0.119
20	16QAM	50	50	20.80	0.120	21.21	0.132	20.85	0.122
20	16QAM	100	0	20.74	0.119	21.20	0.132	20.78	0.120
20	64QAM	1	0	20.89	0.123	21.00	0.126	20.79	0.120
20	64QAM	1	49	20.82	0.121	20.82	0.121	20.79	0.120
20	64QAM	1	99	20.92	0.124	20.78	0.120	20.75	0.119
20	64QAM	50	0	20.88	0.122	20.81	0.121	20.85	0.122
20	64QAM	50	24	20.73	0.118	20.88	0.122	20.78	0.120
20	64QAM	50	50	20.83	0.121	21.02	0.126	20.84	0.121
20	64QAM	100	0	20.81	0.121	21.05	0.127	20.85	0.122



LTE Band 41 (Power Class 3)				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39725		40620		41515	
Frequency (MHz)				2503.5		2593		2682.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	21.45	0.140	21.81	0.152	21.67	0.147
15	QPSK	1	37	21.44	0.139	21.85	0.153	21.78	0.151
15	QPSK	1	74	21.44	0.139	21.78	0.151	21.58	0.144
15	QPSK	36	0	20.61	0.115	20.80	0.120	21.61	0.145
15	QPSK	36	20	20.66	0.116	20.76	0.119	21.68	0.147
15	QPSK	36	39	20.82	0.121	20.75	0.119	21.63	0.146
15	QPSK	75	0	20.60	0.115	20.78	0.120	21.60	0.145
15	16QAM	1	0	20.54	0.113	21.15	0.130	20.60	0.115
15	16QAM	1	37	20.75	0.119	20.72	0.118	20.69	0.117
15	16QAM	1	74	20.71	0.118	20.29	0.107	20.62	0.115
15	16QAM	36	0	20.58	0.114	20.69	0.117	21.07	0.128
15	16QAM	36	20	20.63	0.116	20.65	0.116	21.09	0.129
15	16QAM	36	39	20.70	0.117	21.19	0.132	20.85	0.122
15	16QAM	75	0	20.61	0.115	20.67	0.117	20.45	0.111
15	64QAM	1	0	20.91	0.123	21.05	0.127	21.19	0.132
15	64QAM	1	37	21.19	0.132	21.19	0.132	20.31	0.107
15	64QAM	1	74	21.16	0.131	20.98	0.125	20.04	0.101
15	64QAM	36	0	20.60	0.115	20.76	0.119	20.68	0.117
15	64QAM	36	20	20.75	0.119	21.20	0.132	20.57	0.114
15	64QAM	36	39	20.70	0.117	21.17	0.131	20.49	0.112
15	64QAM	75	0	20.68	0.117	21.17	0.131	20.57	0.114



LTE Band 41 (Power Class 3)				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39700		40620		41540	
Frequency (MHz)				2501		2593		2685	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	21.49	0.141	21.78	0.151	21.65	0.146
10	QPSK	1	25	21.69	0.148	21.65	0.146	21.60	0.145
10	QPSK	1	49	21.46	0.140	21.85	0.153	21.61	0.145
10	QPSK	25	0	20.57	0.114	20.88	0.122	20.85	0.122
10	QPSK	25	12	20.65	0.116	20.77	0.119	20.85	0.122
10	QPSK	25	25	20.69	0.117	20.72	0.118	21.21	0.132
10	QPSK	50	0	20.74	0.119	20.80	0.120	20.45	0.111
10	16QAM	1	0	20.60	0.115	20.62	0.115	20.65	0.116
10	16QAM	1	25	20.78	0.120	20.77	0.119	20.69	0.117
10	16QAM	1	49	20.64	0.116	20.69	0.117	20.84	0.121
10	16QAM	25	0	20.64	0.116	20.83	0.121	20.50	0.112
10	16QAM	25	12	20.77	0.119	20.69	0.117	20.26	0.106
10	16QAM	25	25	20.74	0.119	20.81	0.121	20.77	0.119
10	16QAM	50	0	20.72	0.118	20.79	0.120	20.53	0.113
10	64QAM	1	0	20.54	0.113	20.50	0.112	20.90	0.123
10	64QAM	1	25	20.57	0.114	20.67	0.117	20.85	0.122
10	64QAM	1	49	20.55	0.114	20.54	0.113	20.66	0.116
10	64QAM	25	0	20.62	0.115	20.75	0.119	20.82	0.121
10	64QAM	25	12	20.65	0.116	20.64	0.116	20.57	0.114
10	64QAM	25	25	20.74	0.119	20.73	0.118	20.80	0.120
10	64QAM	50	0	20.70	0.117	20.78	0.120	20.86	0.122



LTE Band 41 (Power Class 3)				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39675		40620		41565	
Frequency (MHz)				2498.5		2593		2687.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	21.46	0.140	21.78	0.151	21.56	0.143
5	QPSK	1	12	21.45	0.140	21.65	0.146	21.60	0.145
5	QPSK	1	24	21.58	0.144	21.75	0.150	21.61	0.145
5	QPSK	12	0	20.59	0.115	20.97	0.125	20.57	0.114
5	QPSK	12	7	20.67	0.117	20.82	0.121	20.79	0.120
5	QPSK	12	13	20.61	0.115	21.04	0.127	20.85	0.122
5	QPSK	25	0	20.64	0.116	21.05	0.127	20.78	0.120
5	16QAM	1	0	21.08	0.128	21.06	0.128	20.69	0.117
5	16QAM	1	12	20.69	0.117	21.23	0.133	20.59	0.115
5	16QAM	1	24	20.55	0.114	21.04	0.127	20.85	0.122
5	16QAM	12	0	20.53	0.113	20.70	0.117	20.65	0.116
5	16QAM	12	7	20.65	0.116	20.80	0.120	20.78	0.120
5	16QAM	12	13	20.71	0.118	20.70	0.117	20.57	0.114
5	16QAM	25	0	20.63	0.116	20.78	0.120	20.55	0.114
5	64QAM	1	0	20.90	0.123	21.02	0.126	20.60	0.115
5	64QAM	1	12	21.10	0.129	21.15	0.130	20.56	0.114
5	64QAM	1	24	20.95	0.124	21.08	0.128	20.89	0.123
5	64QAM	12	0	20.90	0.123	20.68	0.117	20.76	0.119
5	64QAM	12	7	20.91	0.123	20.76	0.119	20.84	0.121
5	64QAM	12	13	20.89	0.123	20.55	0.114	20.75	0.119
5	64QAM	25	0	20.63	0.116	20.61	0.115	20.57	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				132072		132322		132572	
Frequency (MHz)				1720		1745		1770	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	22.04	0.160	22.10	0.162	22.08	0.161
20	QPSK	1	49	21.89	0.155	21.88	0.154	21.84	0.153
20	QPSK	1	99	21.82	0.152	21.81	0.152	21.84	0.153
20	QPSK	50	0	21.27	0.134	21.34	0.136	21.30	0.135
20	QPSK	50	24	21.08	0.128	21.10	0.129	21.23	0.133
20	QPSK	50	50	21.12	0.129	21.20	0.132	21.08	0.128
20	QPSK	100	0	21.10	0.129	21.10	0.129	21.02	0.126
20	16QAM	1	0	21.15	0.130	20.91	0.123	21.19	0.132
20	16QAM	1	49	21.20	0.132	20.94	0.124	21.00	0.126
20	16QAM	1	99	21.20	0.132	21.38	0.137	21.17	0.131
20	16QAM	50	0	21.32	0.136	21.29	0.135	21.26	0.134
20	16QAM	50	24	21.21	0.132	21.21	0.132	21.22	0.132
20	16QAM	50	50	21.18	0.131	21.10	0.129	21.06	0.128
20	16QAM	100	0	21.14	0.130	21.17	0.131	21.23	0.133
20	64QAM	1	0	21.30	0.135	21.07	0.128	21.40	0.138
20	64QAM	1	49	21.07	0.128	21.40	0.138	21.39	0.138
20	64QAM	1	99	21.30	0.135	21.42	0.139	21.50	0.141
20	64QAM	50	0	21.26	0.134	21.16	0.131	21.29	0.135
20	64QAM	50	24	21.20	0.132	21.14	0.130	21.26	0.134
20	64QAM	50	50	21.22	0.132	21.10	0.129	21.16	0.131
20	64QAM	100	0	21.21	0.132	21.21	0.132	21.19	0.132



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132047		132322		132597	
Frequency (MHz)				1717.5		1745		1772.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	21.90	0.155	21.94	0.156	21.92	0.156
15	QPSK	1	37	22.04	0.160	21.90	0.155	21.88	0.154
15	QPSK	1	74	21.88	0.154	21.84	0.153	21.82	0.152
15	QPSK	36	0	21.09	0.129	21.06	0.128	21.10	0.129
15	QPSK	36	20	21.09	0.129	21.01	0.126	21.11	0.129
15	QPSK	36	39	20.95	0.124	21.00	0.126	20.97	0.125
15	QPSK	75	0	21.04	0.127	21.08	0.128	21.01	0.126
15	16QAM	1	0	21.03	0.127	20.90	0.123	21.20	0.132
15	16QAM	1	37	20.90	0.123	21.20	0.132	21.13	0.130
15	16QAM	1	74	21.00	0.126	20.90	0.123	20.90	0.123
15	16QAM	36	0	21.21	0.132	21.21	0.132	21.12	0.129
15	16QAM	36	20	21.24	0.133	21.23	0.133	21.29	0.135
15	16QAM	36	39	21.16	0.131	21.31	0.135	21.25	0.133
15	16QAM	75	0	21.26	0.134	21.24	0.133	21.20	0.132
15	64QAM	1	0	21.40	0.138	21.30	0.135	21.40	0.138
15	64QAM	1	37	21.42	0.139	21.20	0.132	21.30	0.135
15	64QAM	1	74	21.07	0.128	21.33	0.136	21.40	0.138
15	64QAM	36	0	21.19	0.132	21.18	0.131	21.31	0.135
15	64QAM	36	20	21.29	0.135	21.25	0.133	21.26	0.134
15	64QAM	36	39	21.18	0.131	21.12	0.129	21.16	0.131
15	64QAM	75	0	21.20	0.132	21.22	0.132	21.19	0.132



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132022		132322		132622	
Frequency (MHz)				1715		1745		1775	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	21.88	0.154	21.88	0.154	21.89	0.155
10	QPSK	1	25	21.78	0.151	21.76	0.150	21.84	0.153
10	QPSK	1	49	21.92	0.156	21.80	0.151	21.70	0.148
10	QPSK	25	0	21.35	0.136	21.28	0.134	21.35	0.136
10	QPSK	25	12	21.32	0.136	21.51	0.142	21.29	0.135
10	QPSK	25	25	21.33	0.136	21.29	0.135	21.21	0.132
10	QPSK	50	0	21.41	0.138	21.26	0.134	21.45	0.140
10	16QAM	1	0	21.33	0.136	21.33	0.136	21.53	0.142
10	16QAM	1	25	21.33	0.136	21.42	0.139	21.54	0.143
10	16QAM	1	49	21.16	0.131	21.36	0.137	21.24	0.133
10	16QAM	25	0	21.17	0.131	21.34	0.136	21.22	0.132
10	16QAM	25	12	21.16	0.131	21.36	0.137	21.27	0.134
10	16QAM	25	25	21.07	0.128	21.12	0.129	21.12	0.129
10	16QAM	50	0	21.23	0.133	21.27	0.134	21.28	0.134
10	64QAM	1	0	21.23	0.133	21.23	0.133	20.90	0.123
10	64QAM	1	25	20.90	0.123	21.03	0.127	20.93	0.124
10	64QAM	1	49	20.90	0.123	20.90	0.123	20.90	0.123
10	64QAM	25	0	21.23	0.133	21.21	0.132	21.23	0.133
10	64QAM	25	12	21.22	0.132	21.26	0.134	21.30	0.135
10	64QAM	25	25	21.22	0.132	21.15	0.130	21.17	0.131
10	64QAM	50	0	21.12	0.129	21.22	0.132	21.23	0.133





LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131997		132322		132647	
Frequency (MHz)				1712.5		1745		1777.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	21.77	0.150	21.80	0.151	21.85	0.153
5	QPSK	1	12	21.80	0.151	21.80	0.151	21.79	0.151
5	QPSK	1	24	21.88	0.154	21.78	0.151	21.84	0.153
5	QPSK	12	0	21.04	0.127	21.06	0.128	21.02	0.126
5	QPSK	12	7	21.06	0.128	21.14	0.130	21.07	0.128
5	QPSK	12	13	20.97	0.125	21.03	0.127	21.04	0.127
5	QPSK	25	0	21.07	0.128	21.08	0.128	21.07	0.128
5	16QAM	1	0	21.56	0.143	21.25	0.133	21.26	0.134
5	16QAM	1	12	21.19	0.132	21.48	0.141	21.43	0.139
5	16QAM	1	24	21.31	0.135	21.20	0.132	21.55	0.143
5	16QAM	12	0	21.20	0.132	21.31	0.135	21.27	0.134
5	16QAM	12	7	21.37	0.137	21.29	0.135	21.41	0.138
5	16QAM	12	13	21.28	0.134	21.22	0.132	21.29	0.135
5	16QAM	25	0	21.29	0.135	21.31	0.135	21.23	0.133
5	64QAM	1	0	20.90	0.123	21.30	0.135	21.10	0.129
5	64QAM	1	12	21.20	0.132	21.20	0.132	21.20	0.132
5	64QAM	1	24	21.03	0.127	21.07	0.128	21.03	0.127
5	64QAM	12	0	21.27	0.134	21.02	0.126	21.23	0.133
5	64QAM	12	7	21.35	0.136	20.94	0.124	21.25	0.133
5	64QAM	12	13	21.18	0.131	21.30	0.135	21.25	0.133
5	64QAM	25	0	21.25	0.133	21.33	0.136	21.20	0.132



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131987		132322		132657	
Frequency (MHz)				1711.5		1745		1778.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	21.84	0.153	21.75	0.150	21.74	0.149
3	QPSK	1	8	21.71	0.148	21.72	0.149	21.80	0.151
3	QPSK	1	14	21.62	0.145	21.43	0.139	21.73	0.149
3	QPSK	8	0	21.30	0.135	21.27	0.134	21.31	0.135
3	QPSK	8	4	21.30	0.135	21.22	0.132	21.32	0.136
3	QPSK	8	7	21.16	0.131	21.21	0.132	21.18	0.131
3	QPSK	15	0	21.25	0.133	21.29	0.135	21.22	0.132
3	16QAM	1	0	20.94	0.124	21.35	0.136	21.11	0.129
3	16QAM	1	8	21.27	0.134	21.21	0.132	21.20	0.132
3	16QAM	1	14	21.31	0.135	21.20	0.132	20.90	0.123
3	16QAM	8	0	21.12	0.129	21.12	0.129	21.03	0.127
3	16QAM	8	4	21.15	0.130	21.14	0.130	21.20	0.132
3	16QAM	8	7	21.07	0.128	21.22	0.132	21.16	0.131
3	16QAM	15	0	21.17	0.131	21.15	0.130	21.11	0.129
3	64QAM	1	0	21.31	0.135	21.21	0.132	21.31	0.135
3	64QAM	1	8	21.33	0.136	21.11	0.129	21.21	0.132
3	64QAM	1	14	20.98	0.125	21.24	0.133	21.31	0.135
3	64QAM	8	0	21.10	0.129	21.09	0.129	21.22	0.132
3	64QAM	8	4	21.20	0.132	21.16	0.131	21.17	0.131
3	64QAM	8	7	21.09	0.129	21.03	0.127	21.07	0.128
3	64QAM	15	0	21.11	0.129	21.13	0.130	21.10	0.129



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131979		132322		132665	
Frequency (MHz)				1710.7		1745		1779.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	21.78	0.151	21.69	0.148	21.70	0.148
1.4	QPSK	1	3	21.84	0.153	21.86	0.153	21.86	0.153
1.4	QPSK	1	5	21.76	0.150	21.64	0.146	21.80	0.151
1.4	QPSK	3	0	21.75	0.150	21.68	0.147	21.75	0.150
1.4	QPSK	3	1	21.72	0.149	21.78	0.151	21.69	0.148
1.4	QPSK	3	3	21.73	0.149	21.69	0.148	21.61	0.145
1.4	QPSK	6	0	21.33	0.136	21.18	0.131	21.37	0.137
1.4	16QAM	1	0	21.25	0.133	21.25	0.133	21.45	0.140
1.4	16QAM	1	3	21.25	0.133	21.34	0.136	21.46	0.140
1.4	16QAM	1	5	21.08	0.128	21.28	0.134	21.16	0.131
1.4	16QAM	3	0	20.79	0.120	20.76	0.119	21.02	0.126
1.4	16QAM	3	1	20.88	0.122	20.78	0.120	20.90	0.123
1.4	16QAM	3	3	20.89	0.123	20.90	0.123	20.84	0.121
1.4	16QAM	6	0	20.78	0.120	20.69	0.117	20.70	0.117
1.4	64QAM	1	0	21.12	0.129	20.97	0.125	21.13	0.130
1.4	64QAM	1	3	20.85	0.122	20.94	0.124	20.94	0.124
1.4	64QAM	1	5	20.82	0.121	20.82	0.121	20.93	0.124
1.4	64QAM	3	0	21.15	0.130	21.13	0.130	21.15	0.130
1.4	64QAM	3	1	21.14	0.130	21.18	0.131	21.22	0.132
1.4	64QAM	3	3	21.14	0.130	21.07	0.128	21.09	0.129
1.4	64QAM	6	0	21.04	0.127	21.14	0.130	21.15	0.130



LTE Band 71				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133222		133322		133372	
Frequency (MHz)				673		683		688	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	19.25	0.084	19.32	0.086	19.29	0.085
20	QPSK	1	49	19.24	0.084	19.26	0.084	19.26	0.084
20	QPSK	1	99	19.16	0.082	19.22	0.084	19.19	0.083
20	QPSK	50	0	18.36	0.069	18.58	0.072	18.44	0.070
20	QPSK	50	24	18.29	0.067	18.36	0.069	18.32	0.068
20	QPSK	50	50	18.33	0.068	18.38	0.069	18.32	0.068
20	QPSK	100	0	18.21	0.066	18.32	0.068	18.35	0.068
20	16QAM	1	0	18.33	0.068	18.33	0.068	18.26	0.067
20	16QAM	1	49	18.32	0.068	17.92	0.062	18.32	0.068
20	16QAM	1	99	18.26	0.067	18.25	0.067	18.36	0.069
20	16QAM	50	0	18.11	0.065	18.25	0.067	17.86	0.061
20	16QAM	50	24	18.22	0.066	18.04	0.064	17.95	0.062
20	16QAM	50	50	18.21	0.066	17.85	0.061	17.89	0.062
20	16QAM	100	0	18.22	0.066	18.25	0.067	17.91	0.062
20	64QAM	1	0	18.03	0.064	18.31	0.068	18.34	0.068
20	64QAM	1	49	18.03	0.064	18.22	0.066	18.32	0.068
20	64QAM	1	99	18.05	0.064	18.32	0.068	18.36	0.069
20	64QAM	50	0	18.04	0.064	18.03	0.064	17.92	0.062
20	64QAM	50	24	18.06	0.064	18.02	0.063	18.01	0.063
20	64QAM	50	50	18.04	0.064	17.81	0.060	18.03	0.064
20	64QAM	100	0	18.04	0.064	18.00	0.063	17.91	0.062



LTE Band 71				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133197		133297		133397	
Frequency (MHz)				670.5		680.5		690.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	18.98	0.079	19.16	0.082	19.17	0.083
15	QPSK	1	37	18.96	0.079	19.09	0.081	19.20	0.083
15	QPSK	1	74	18.98	0.079	19.20	0.083	19.17	0.083
15	QPSK	36	0	18.07	0.064	18.32	0.068	18.36	0.069
15	QPSK	36	20	18.27	0.067	18.36	0.069	18.32	0.068
15	QPSK	36	39	18.34	0.068	18.32	0.068	18.25	0.067
15	QPSK	75	0	18.22	0.066	18.22	0.066	18.23	0.067
15	16QAM	1	0	18.30	0.068	18.32	0.068	18.22	0.066
15	16QAM	1	37	18.32	0.068	18.36	0.069	18.04	0.064
15	16QAM	1	74	18.33	0.068	18.23	0.067	18.03	0.064
15	16QAM	36	0	18.10	0.065	18.06	0.064	17.95	0.062
15	16QAM	36	20	18.08	0.064	18.22	0.066	17.99	0.063
15	16QAM	36	39	18.10	0.065	18.12	0.065	17.97	0.063
15	16QAM	75	0	18.06	0.064	18.01	0.063	17.95	0.062
15	64QAM	1	0	18.17	0.066	18.06	0.064	18.22	0.066
15	64QAM	1	37	18.05	0.064	18.06	0.064	18.04	0.064
15	64QAM	1	74	18.00	0.063	18.08	0.064	18.25	0.067
15	64QAM	36	0	17.92	0.062	18.07	0.064	18.00	0.063
15	64QAM	36	20	18.20	0.066	18.06	0.064	17.94	0.062
15	64QAM	36	39	18.04	0.064	18.04	0.064	18.05	0.064
15	64QAM	75	0	18.22	0.066	18.04	0.064	18.08	0.064



LTE Band 71				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133172		133297		133422	
Frequency (MHz)				668		680.5		693	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	19.01	0.080	19.20	0.083	18.99	0.079
10	QPSK	1	25	19.12	0.082	18.99	0.079	19.19	0.083
10	QPSK	1	49	19.13	0.082	19.15	0.082	18.88	0.077
10	QPSK	25	0	18.06	0.064	17.92	0.062	17.92	0.062
10	QPSK	25	12	18.29	0.067	18.25	0.067	17.96	0.063
10	QPSK	25	25	18.30	0.068	18.32	0.068	17.92	0.062
10	QPSK	50	0	18.28	0.067	18.20	0.066	17.92	0.062
10	16QAM	1	0	18.14	0.065	17.91	0.062	18.22	0.066
10	16QAM	1	25	18.02	0.063	17.92	0.062	18.32	0.068
10	16QAM	1	49	18.39	0.069	17.95	0.062	18.04	0.064
10	16QAM	25	0	17.92	0.062	18.03	0.064	17.99	0.063
10	16QAM	25	12	18.22	0.066	17.92	0.062	18.05	0.064
10	16QAM	25	25	17.92	0.062	18.06	0.064	18.11	0.065
10	16QAM	50	0	18.04	0.064	18.08	0.064	18.00	0.063
10	64QAM	1	0	18.04	0.064	18.07	0.064	18.00	0.063
10	64QAM	1	25	17.95	0.062	18.20	0.066	18.10	0.065
10	64QAM	1	49	18.31	0.068	18.05	0.064	18.10	0.065
10	64QAM	25	0	17.90	0.062	17.90	0.062	18.00	0.063
10	64QAM	25	12	17.90	0.062	18.10	0.065	18.11	0.065
10	64QAM	25	25	17.86	0.061	18.06	0.064	18.02	0.063
10	64QAM	50	0	17.92	0.062	18.08	0.064	17.98	0.063



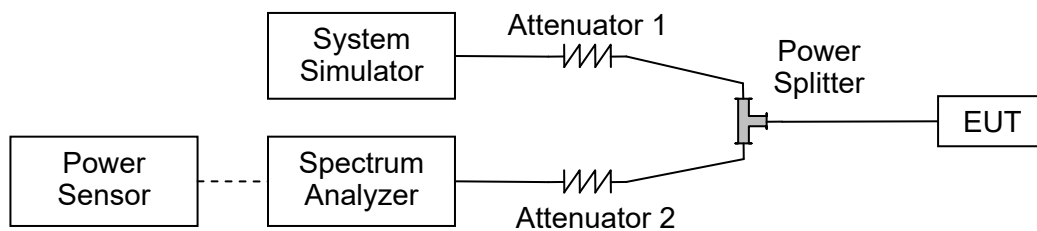
LTE Band 71				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133147		133297		133447	
Frequency (MHz)				665.5		680.5		695.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	19.05	0.080	19.15	0.082	18.99	0.079
5	QPSK	1	12	18.99	0.079	19.20	0.083	19.18	0.083
5	QPSK	1	24	18.99	0.079	18.98	0.079	18.97	0.079
5	QPSK	12	0	18.19	0.066	18.67	0.074	18.26	0.067
5	QPSK	12	7	18.33	0.068	18.32	0.068	18.32	0.068
5	QPSK	12	13	18.21	0.066	18.23	0.067	18.25	0.067
5	QPSK	25	0	18.25	0.067	18.26	0.067	17.92	0.062
5	16QAM	1	0	18.21	0.066	18.32	0.068	18.22	0.066
5	16QAM	1	12	18.04	0.064	18.22	0.066	17.92	0.062
5	16QAM	1	24	18.04	0.064	18.05	0.064	18.04	0.064
5	16QAM	12	0	18.05	0.064	18.10	0.065	18.04	0.064
5	16QAM	12	7	18.04	0.064	18.06	0.064	18.04	0.064
5	16QAM	12	13	17.95	0.062	18.07	0.064	18.04	0.064
5	16QAM	25	0	18.22	0.066	17.94	0.062	18.12	0.065
5	64QAM	1	0	17.98	0.063	18.31	0.068	17.92	0.062
5	64QAM	1	12	18.25	0.067	18.25	0.067	18.32	0.068
5	64QAM	1	24	18.25	0.067	18.25	0.067	18.22	0.066
5	64QAM	12	0	17.96	0.063	18.08	0.064	18.04	0.064
5	64QAM	12	7	18.05	0.064	18.06	0.064	17.97	0.063
5	64QAM	12	13	18.04	0.064	18.07	0.064	17.94	0.062
5	64QAM	25	0	18.08	0.064	18.10	0.065	18.01	0.063

## 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	1.29
	Low	16QAM	1.10	1.32
	Low	64QAM	1.10	1.36
	Mid	QPSK	1.10	1.32
	Mid	16QAM	1.10	1.34
	Mid	64QAM	1.10	1.41
	High	QPSK	1.10	1.32
	High	16QAM	1.11	1.33
	High	64QAM	1.10	1.32
3	Low	QPSK	2.70	2.99
	Low	16QAM	2.70	3.03
	Low	64QAM	2.70	2.9
	Mid	QPSK	2.70	3.05
	Mid	16QAM	2.70	3.05
	Mid	64QAM	2.71	3.07
	High	QPSK	2.70	3.01
	High	16QAM	2.70	2.99
	High	64QAM	2.71	3.01
5	Low	QPSK	4.51	4.98
	Low	16QAM	4.50	5.01
	Low	64QAM	4.50	5.00
	Mid	QPSK	4.50	5.04
	Mid	16QAM	4.50	5.04
	Mid	64QAM	4.50	5.02
	High	QPSK	4.50	5.01
	High	16QAM	4.50	5.03
	High	64QAM	4.50	5.01
10	Low	QPSK	8.98	9.84
	Low	16QAM	8.96	9.89
	Low	64QAM	8.93	9.57
	Mid	QPSK	8.99	9.84
	Mid	16QAM	8.96	9.83
	Mid	64QAM	8.97	9.98
	High	QPSK	8.99	9.67
	High	16QAM	8.95	9.86
	High	64QAM	8.97	9.89



15	Low	QPSK	13.45	14.75
	Low	16QAM	13.41	14.31
	Low	64QAM	13.34	14.29
	Mid	QPSK	13.47	14.75
	Mid	16QAM	13.46	14.87
	Mid	64QAM	13.47	14.67
	High	QPSK	13.45	14.69
	High	16QAM	13.46	14.85
	High	64QAM	13.46	14.8
20	Low	QPSK	17.96	19.54
	Low	16QAM	17.96	19.49
	Low	64QAM	17.94	19.52
	Mid	QPSK	17.95	19.57
	Mid	16QAM	17.95	19.66
	Mid	64QAM	17.97	19.47
	High	QPSK	17.99	19.51
	High	16QAM	17.96	19.48
	High	64QAM	17.94	19.47



LTE Band 4				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.34
	Low	16QAM	1.10	1.34
	Low	64QAM	1.11	1.36
	Mid	QPSK	1.10	1.30
	Mid	16QAM	1.11	1.38
	Mid	64QAM	1.10	1.40
	High	QPSK	1.11	1.42
	High	16QAM	1.11	1.45
	High	64QAM	1.11	1.42
3	Low	QPSK	2.70	3.02
	Low	16QAM	2.71	3.02
	Low	64QAM	2.72	3.07
	Mid	QPSK	2.71	3.07
	Mid	16QAM	2.71	3.04
	Mid	64QAM	2.72	3.04
	High	QPSK	2.71	3.12
	High	16QAM	2.72	3.11
	High	64QAM	2.72	3.20
5	Low	QPSK	4.51	5.09
	Low	16QAM	4.51	5.00
	Low	64QAM	4.51	5.00
	Mid	QPSK	4.51	5.05
	Mid	16QAM	4.51	5.02
	Mid	64QAM	4.51	5.03
	High	QPSK	4.53	5.10
	High	16QAM	4.52	5.04
	High	64QAM	4.51	5.01
10	Low	QPSK	9.00	9.88
	Low	16QAM	8.94	9.58
	Low	64QAM	8.98	9.90
	Mid	QPSK	9.00	9.88
	Mid	16QAM	8.96	9.85
	Mid	64QAM	8.98	9.87
	High	QPSK	9.02	9.90
	High	16QAM	8.98	9.84
	High	64QAM	9.01	9.89



15	Low	QPSK	13.44	14.51
	Low	16QAM	13.50	14.66
	Low	64QAM	13.48	14.76
	Mid	QPSK	13.46	14.65
	Mid	16QAM	13.46	14.68
	Mid	64QAM	13.45	14.69
	High	QPSK	13.52	14.73
	High	16QAM	13.50	14.73
	High	64QAM	13.49	14.73
20	Low	QPSK	17.98	19.45
	Low	16QAM	18.01	19.52
	Low	64QAM	17.98	19.57
	Mid	QPSK	17.95	19.51
	Mid	16QAM	17.97	19.54
	Mid	64QAM	17.94	19.53
	High	QPSK	17.97	19.5
	High	16QAM	17.97	19.47
	High	64QAM	17.98	19.43



LTE Band 5				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.27
	Low	16QAM	1.10	1.30
	Low	64QAM	1.10	1.30
	Mid	QPSK	1.10	1.29
	Mid	16QAM	1.10	1.30
	Mid	64QAM	1.10	1.30
	High	QPSK	1.10	1.28
	High	16QAM	1.10	1.30
	High	64QAM	1.10	1.31
3	Low	QPSK	2.70	2.97
	Low	16QAM	2.71	3.02
	Low	64QAM	2.71	3.02
	Mid	QPSK	2.70	2.97
	Mid	16QAM	2.70	2.99
	Mid	64QAM	2.71	3.01
	High	QPSK	2.70	2.99
	High	16QAM	2.70	3.00
	High	64QAM	2.71	3.00
5	Low	QPSK	4.50	5.02
	Low	16QAM	4.50	5.00
	Low	64QAM	4.50	5.00
	Mid	QPSK	4.50	5.06
	Mid	16QAM	4.51	5.01
	Mid	64QAM	4.50	4.98
	High	QPSK	4.50	5.02
	High	16QAM	4.51	4.97
	High	64QAM	4.50	5.03
10	Low	QPSK	8.98	9.86
	Low	16QAM	8.94	9.81
	Low	64QAM	8.96	9.89
	Mid	QPSK	9.01	9.90
	Mid	16QAM	8.97	9.89
	Mid	64QAM	8.99	9.89
	High	QPSK	9.01	9.86
	High	16QAM	8.96	9.84
	High	64QAM	8.99	9.91



LTE Band 7				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.51	5.02
	Low	16QAM	4.49	4.95
	Low	64QAM	4.50	5.00
	Mid	QPSK	4.51	5.01
	Mid	16QAM	4.50	5.00
	Mid	64QAM	4.50	4.97
	High	QPSK	4.51	5.00
	High	16QAM	4.51	5.03
	High	64QAM	4.50	4.99
10	Low	QPSK	9.00	9.86
	Low	16QAM	8.97	9.84
	Low	64QAM	8.99	9.82
	Mid	QPSK	9.00	9.87
	Mid	16QAM	8.95	9.82
	Mid	64QAM	9.00	9.94
	High	QPSK	8.99	9.87
	High	16QAM	8.97	9.85
	High	64QAM	8.98	9.79
15	Low	QPSK	13.49	14.65
	Low	16QAM	13.51	14.83
	Low	64QAM	13.50	14.82
	Mid	QPSK	13.47	14.69
	Mid	16QAM	13.46	14.74
	Mid	64QAM	13.47	14.66
	High	QPSK	13.44	14.66
	High	16QAM	13.43	14.72
	High	64QAM	13.44	14.74
20	Low	QPSK	18.01	19.67
	Low	16QAM	18.06	19.55
	Low	64QAM	18.02	19.57
	Mid	QPSK	17.98	19.45
	Mid	16QAM	17.98	19.39
	Mid	64QAM	17.98	19.58
	High	QPSK	17.92	19.52
	High	16QAM	17.96	19.46
	High	64QAM	17.96	19.44



LTE Band 12				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.29
	Low	16QAM	1.10	1.29
	Low	64QAM	1.10	1.30
	Mid	QPSK	1.10	1.29
	Mid	16QAM	1.10	1.33
	Mid	64QAM	1.10	1.31
	High	QPSK	1.10	1.30
	High	16QAM	1.10	1.32
	High	64QAM	1.10	1.30
3	Low	QPSK	2.70	2.99
	Low	16QAM	2.70	3.02
	Low	64QAM	2.71	3.01
	Mid	QPSK	2.70	2.99
	Mid	16QAM	2.71	2.99
	Mid	64QAM	2.71	3.00
	High	QPSK	2.70	2.98
	High	16QAM	2.70	3.00
	High	64QAM	2.71	3.02
5	Low	QPSK	4.50	5.04
	Low	16QAM	4.50	5.01
	Low	64QAM	4.50	4.99
	Mid	QPSK	4.51	5.04
	Mid	16QAM	4.51	4.96
	Mid	64QAM	4.50	4.98
	High	QPSK	4.50	5.03
	High	16QAM	4.49	4.99
	High	64QAM	4.50	4.98
10	Low	QPSK	8.99	9.84
	Low	16QAM	8.97	9.84
	Low	64QAM	8.98	9.93
	Mid	QPSK	9.01	9.91
	Mid	16QAM	8.98	9.82
	Mid	64QAM	8.99	9.93
	High	QPSK	8.98	9.84
	High	16QAM	8.95	9.74
	High	64QAM	8.97	9.94



LTE Band 13				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.49	5.00
	Low	16QAM	4.49	4.94
	Low	64QAM	4.49	4.97
	Mid	QPSK	4.51	5.04
	Mid	16QAM	4.51	5.02
	Mid	64QAM	4.50	4.97
	High	QPSK	4.50	5.01
	High	16QAM	4.50	5.03
	High	64QAM	4.50	5.01
10	Mid	QPSK	8.98	9.84
	Mid	16QAM	8.95	9.76
	Mid	64QAM	8.97	9.88





LTE Band 25				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.30
	Low	16QAM	1.10	1.35
	Low	64QAM	1.10	1.34
	Mid	QPSK	1.10	1.31
	Mid	16QAM	1.10	1.32
	Mid	64QAM	1.10	1.33
	High	QPSK	1.10	1.29
	High	16QAM	1.11	1.37
	High	64QAM	1.10	1.35
3	Low	QPSK	2.70	2.99
	Low	16QAM	2.71	3.02
	Low	64QAM	2.71	3.01
	Mid	QPSK	2.70	3.0
	Mid	16QAM	2.70	2.99
	Mid	64QAM	2.71	3.01
	High	QPSK	2.71	3.0
	High	16QAM	2.71	3.0
	High	64QAM	2.71	3.04
5	Low	QPSK	4.50	5.04
	Low	16QAM	4.50	4.99
	Low	64QAM	4.51	5.03
	Mid	QPSK	4.50	5.05
	Mid	16QAM	4.51	5.01
	Mid	64QAM	4.50	5.00
	High	QPSK	4.51	5.06
	High	16QAM	4.50	5.00
	High	64QAM	4.50	5.00
10	Low	QPSK	8.98	9.89
	Low	16QAM	8.96	9.80
	Low	64QAM	8.97	9.91
	Mid	QPSK	9.00	9.87
	Mid	16QAM	8.95	9.83
	Mid	64QAM	8.97	9.89
	High	QPSK	9.00	9.90
	High	16QAM	8.95	9.77
	High	64QAM	8.97	9.82



15	Low	QPSK	13.47	14.73
	Low	16QAM	13.46	14.73
	Low	64QAM	13.45	14.9
	Mid	QPSK	13.45	14.67
	Mid	16QAM	13.46	14.64
	Mid	64QAM	13.45	14.67
	High	QPSK	13.44	14.65
	High	16QAM	13.45	14.63
	High	64QAM	13.32	14.24
20	Low	QPSK	17.89	19.02
	Low	16QAM	17.97	19.52
	Low	64QAM	17.97	19.46
	Mid	QPSK	17.93	19.58
	Mid	16QAM	17.97	19.51
	Mid	64QAM	17.94	19.43
	High	QPSK	17.93	19.52
	High	16QAM	17.96	19.47
	High	64QAM	17.93	19.49



LTE Band 26				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.28
	Low	16QAM	1.10	1.28
	Low	64QAM	1.10	1.29
	Mid	QPSK	1.10	1.31
	Mid	16QAM	1.10	1.29
	Mid	64QAM	1.10	1.30
	High	QPSK	1.10	1.27
	High	16QAM	1.10	1.30
	High	64QAM	1.10	1.28
3	Low	QPSK	2.70	2.99
	Low	16QAM	2.70	2.99
	Low	64QAM	2.70	2.97
	Mid	QPSK	2.70	2.98
	Mid	16QAM	2.70	2.97
	Mid	64QAM	2.70	2.98
	High	QPSK	2.70	2.97
	High	16QAM	2.70	2.99
	High	64QAM	2.70	2.98
5	Low	QPSK	4.50	4.99
	Low	16QAM	4.50	5.01
	Low	64QAM	4.50	5.01
	Mid	QPSK	4.50	5.05
	Mid	16QAM	4.50	5.01
	Mid	64QAM	4.51	5.05
	High	QPSK	4.50	5.02
	High	16QAM	4.51	5.04
	High	64QAM	4.51	5.01
10	Low	QPSK	8.99	9.81
	Low	16QAM	8.99	9.86
	Low	64QAM	8.98	9.85
	Mid	QPSK	9.00	9.87
	Mid	16QAM	8.99	9.89
	Mid	64QAM	9.01	9.95
	High	QPSK	8.98	9.79
	High	16QAM	9.01	9.82
	High	64QAM	8.98	9.90



15	Low	QPSK	13.46	14.71
	Low	16QAM	13.49	14.76
	Low	64QAM	13.48	14.69
	Mid	QPSK	13.50	14.71
	Mid	16QAM	13.47	14.71
	Mid	64QAM	13.49	14.66
	High	QPSK	13.46	14.68
	High	16QAM	13.48	14.76
	High	64QAM	13.47	14.77



LTE Band 30				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.50	4.98
	Low	16QAM	4.50	5.01
	Low	64QAM	4.50	4.97
	Mid	QPSK	4.51	5.03
	Mid	16QAM	4.50	4.99
	Mid	64QAM	4.51	5.00
	High	QPSK	4.51	5.03
	High	16QAM	4.51	5.04
	High	64QAM	4.50	5.00
10	Mid	QPSK	8.97	9.81
	Mid	16QAM	8.95	9.85
	Mid	64QAM	8.96	9.90



LTE Band 41				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.52	5.07
	Low	16QAM	4.51	5.07
	Low	64QAM	4.50	5.14
	Mid	QPSK	4.51	5.12
	Mid	16QAM	4.52	5.11
	Mid	64QAM	4.50	5.10
	High	QPSK	4.51	5.28
	High	16QAM	4.52	5.34
	High	64QAM	4.49	4.99
10	Low	QPSK	8.99	10.34
	Low	16QAM	8.98	9.97
	Low	64QAM	8.99	10.37
	Mid	QPSK	8.98	9.85
	Mid	16QAM	8.99	10.39
	Mid	64QAM	8.99	9.79
	High	QPSK	8.98	9.80
	High	16QAM	8.95	10.13
	High	64QAM	9.00	10.46
15	Low	QPSK	13.49	14.73
	Low	16QAM	13.50	14.83
	Low	64QAM	13.49	14.92
	Mid	QPSK	13.52	14.82
	Mid	16QAM	13.49	14.57
	Mid	64QAM	13.49	15.37
	High	QPSK	13.48	14.70
	High	16QAM	13.50	14.82
	High	64QAM	13.45	14.63
20	Low	QPSK	17.99	19.96
	Low	16QAM	17.99	20.63
	Low	64QAM	17.98	20.28
	Mid	QPSK	18.01	19.66
	Mid	16QAM	18.01	20.91
	Mid	64QAM	18.03	20.81
	High	QPSK	17.99	19.47
	High	16QAM	17.94	20.41
	High	64QAM	17.97	20.51



LTE Band 66				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.32
	Low	16QAM	1.10	1.31
	Low	64QAM	1.10	1.33
	Mid	QPSK	1.10	1.34
	Mid	16QAM	1.10	1.30
	Mid	64QAM	1.10	1.30
	High	QPSK	1.10	1.29
	High	16QAM	1.10	1.29
	High	64QAM	1.10	1.28
3	Low	QPSK	2.70	2.98
	Low	16QAM	2.70	2.98
	Low	64QAM	2.70	2.99
	Mid	QPSK	2.70	3.00
	Mid	16QAM	2.70	2.99
	Mid	64QAM	2.70	3.00
	High	QPSK	2.71	3.00
	High	16QAM	2.71	3.00
	High	64QAM	2.70	3.00
5	Low	QPSK	4.51	5.02
	Low	16QAM	4.51	5.02
	Low	64QAM	4.50	5.02
	Mid	QPSK	4.51	5.06
	Mid	16QAM	4.50	5.00
	Mid	64QAM	4.51	5.06
	High	QPSK	4.51	5.03
	High	16QAM	4.51	5.06
	High	64QAM	5.51	5.05
10	Low	QPSK	9.00	9.89
	Low	16QAM	9.00	9.91
	Low	64QAM	9.00	9.82
	Mid	QPSK	8.99	9.93
	Mid	16QAM	9.00	9.91
	Mid	64QAM	8.99	9.89
	High	QPSK	9.01	9.90
	High	16QAM	9.02	9.95
	High	64QAM	9.02	9.94

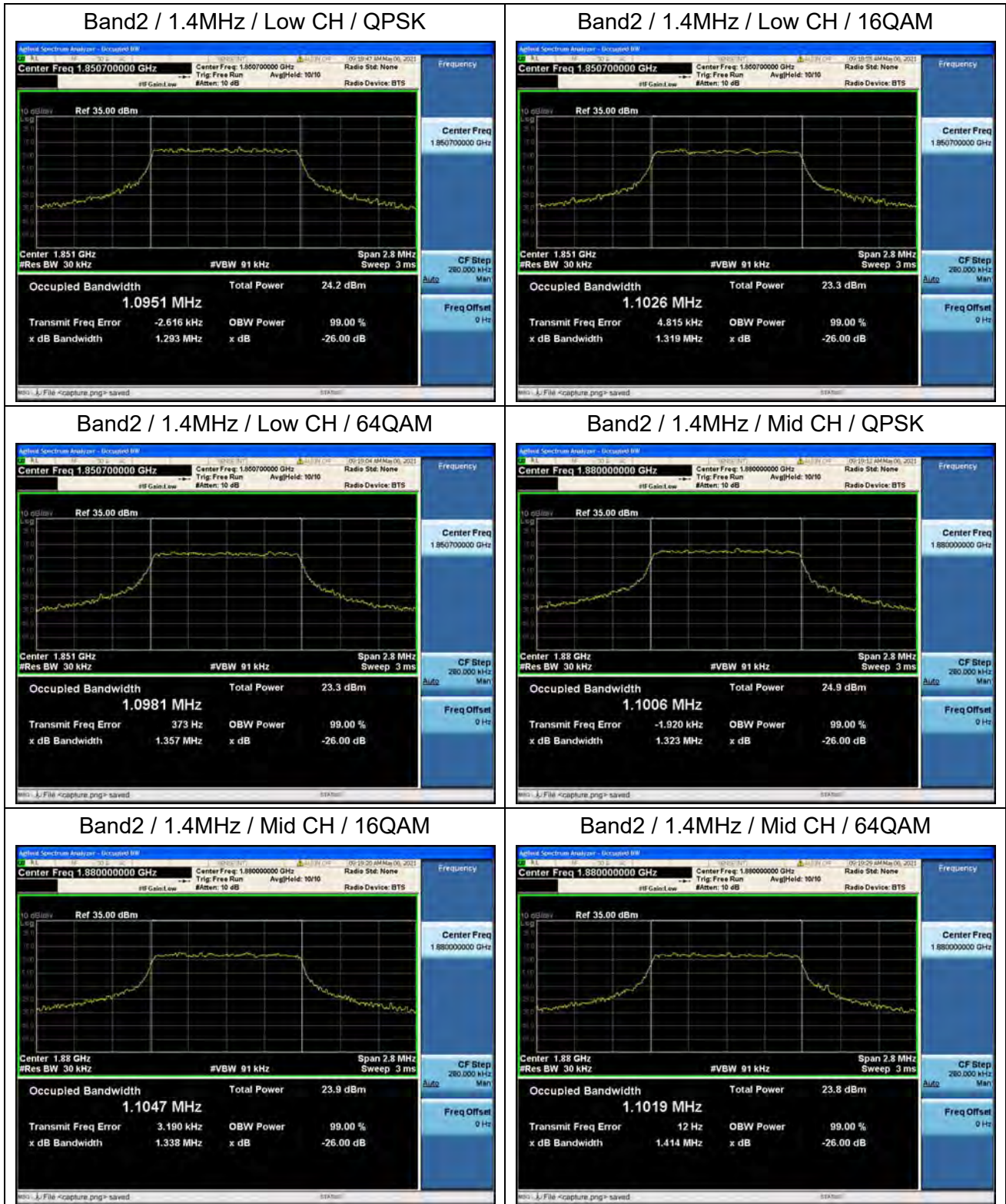


15	Low	QPSK	13.49	14.57
	Low	16QAM	13.47	14.59
	Low	64QAM	13.50	14.64
	Mid	QPSK	13.47	14.62
	Mid	16QAM	13.48	14.63
	Mid	64QAM	13.53	14.64
	High	QPSK	13.50	14.59
	High	16QAM	13.53	14.64
	High	64QAM	13.52	14.66
20	Low	QPSK	18.00	19.43
	Low	16QAM	18.01	19.42
	Low	64QAM	18.03	19.44
	Mid	QPSK	17.98	19.44
	Mid	16QAM	18.01	19.37
	Mid	64QAM	17.98	19.45
	High	QPSK	18.00	19.40
	High	16QAM	17.99	19.37
	High	64QAM	18.00	19.44



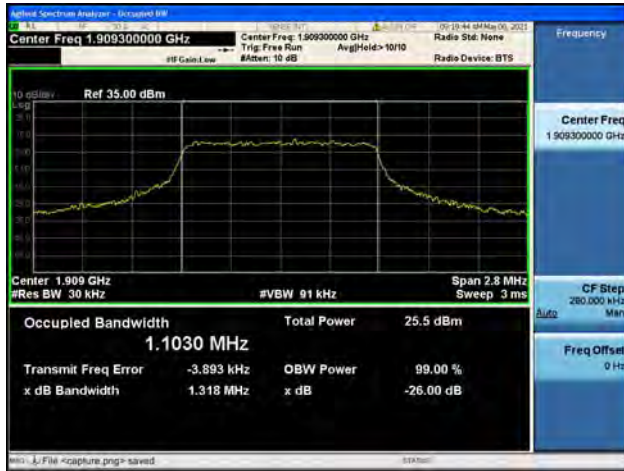


LTE Band 71				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.50	5.00
	Low	16QAM	4.51	5.02
	Low	64QAM	4.50	5.00
	Mid	QPSK	4.50	5.03
	Mid	16QAM	4.50	4.98
	Mid	64QAM	4.49	5.03
	High	QPSK	4.49	4.99
	High	16QAM	4.48	4.99
	High	64QAM	4.49	5.02
10	Low	QPSK	8.98	9.78
	Low	16QAM	8.97	9.81
	Low	64QAM	8.98	9.79
	Mid	QPSK	9.00	9.82
	Mid	16QAM	8.90	9.87
	Mid	64QAM	9.00	9.85
	High	QPSK	8.99	9.90
	High	16QAM	8.98	9.88
	High	64QAM	9.00	9.92
15	Low	QPSK	13.44	14.61
	Low	16QAM	13.44	14.52
	Low	64QAM	13.47	14.58
	Mid	QPSK	13.48	14.67
	Mid	16QAM	13.51	14.68
	Mid	64QAM	13.47	14.71
	High	QPSK	13.49	14.56
	High	16QAM	13.50	14.73
	High	64QAM	13.48	14.66
20	Low	QPSK	17.91	19.39
	Low	16QAM	17.91	19.33
	Low	64QAM	17.90	19.39
	Mid	QPSK	17.98	19.53
	Mid	16QAM	17.97	19.50
	Mid	64QAM	17.98	19.48
	High	QPSK	17.98	19.43
	High	16QAM	18.00	19.48
	High	64QAM	18.97	19.46

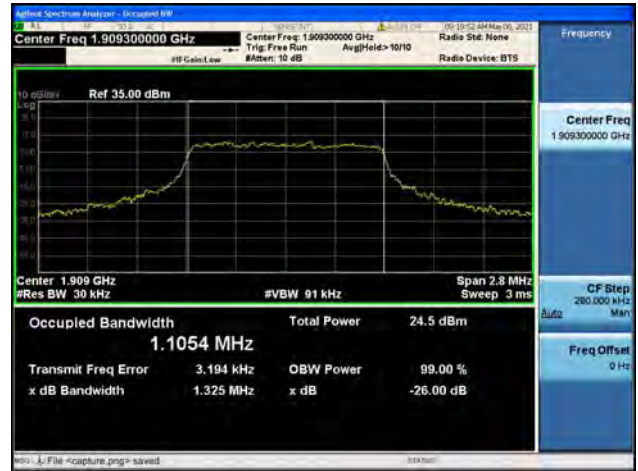




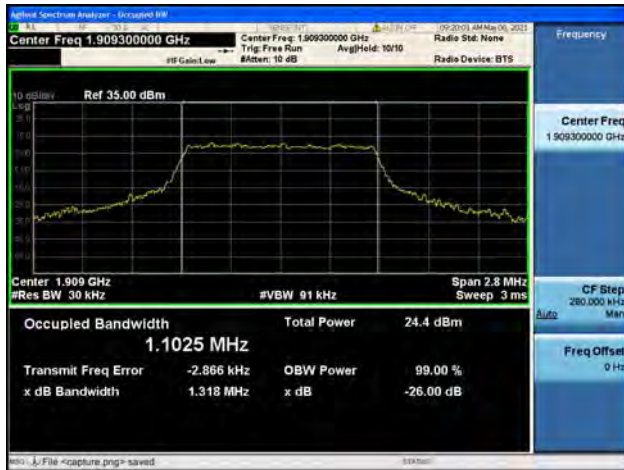
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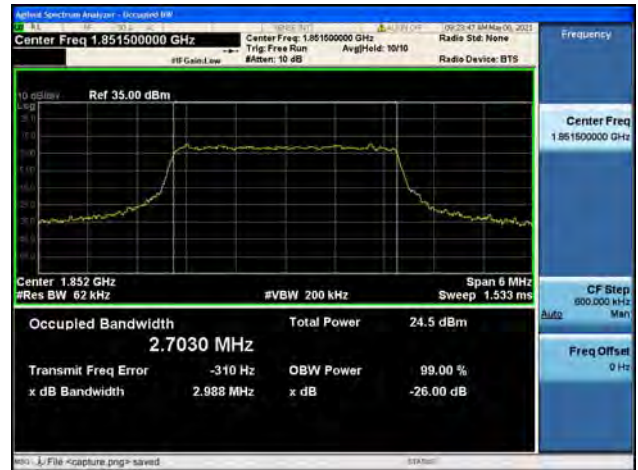
Band2 / 1.4MHz / High CH / 16QAM



Band2 / 1.4MHz / High CH / 64QAM



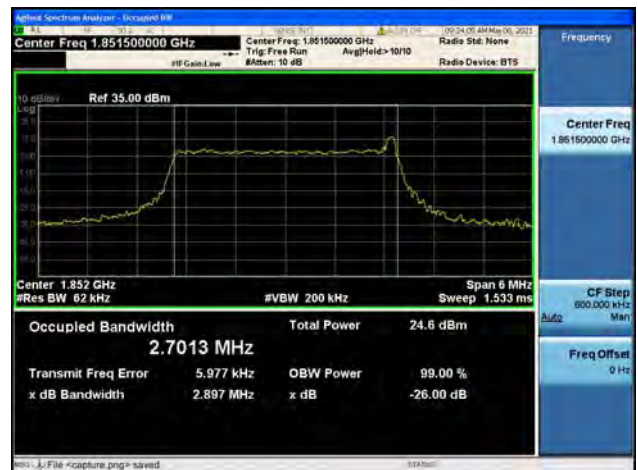
Band2 / 3MHz / Low CH / QPSK



Band2 / 3MHz / Low CH / 16QAM



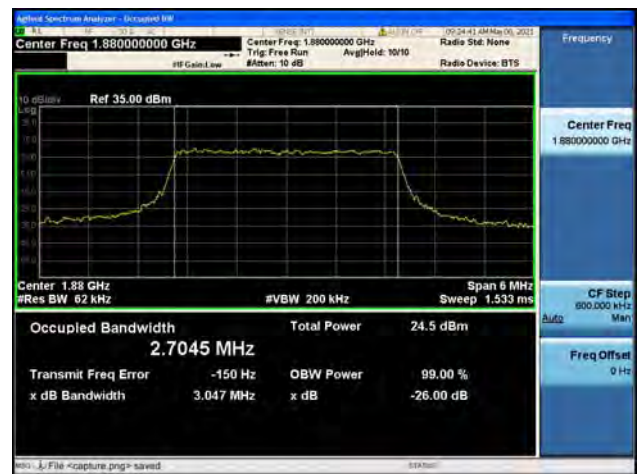
Band2 / 3MHz / Low CH / 64QAM



Band2 / 3MHz / Mid CH / QPSK



Band2 / 3MHz / Mid CH / 16QAM



Band2 / 3MHz / Mid CH / 64QAM



Band2 / 3MHz / High CH / QPSK



Band2 / 3MHz / High CH / 16QAM

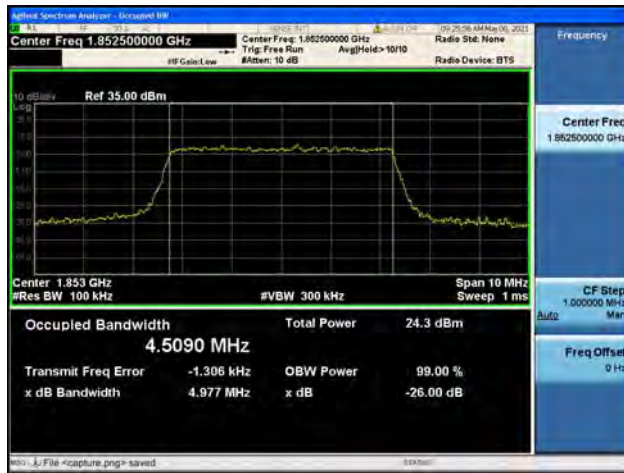


Band2 / 3MHz / High CH / 64QAM

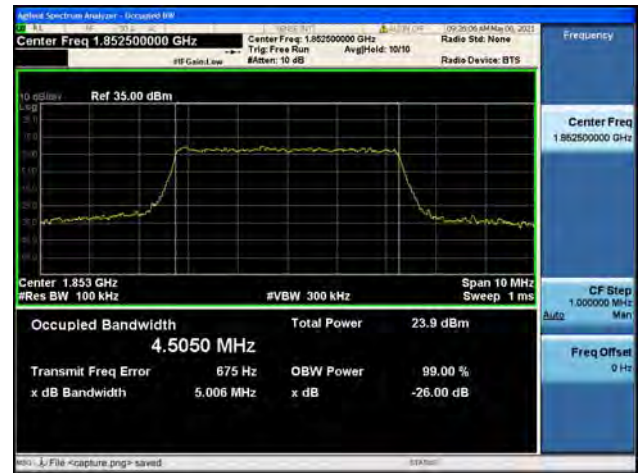




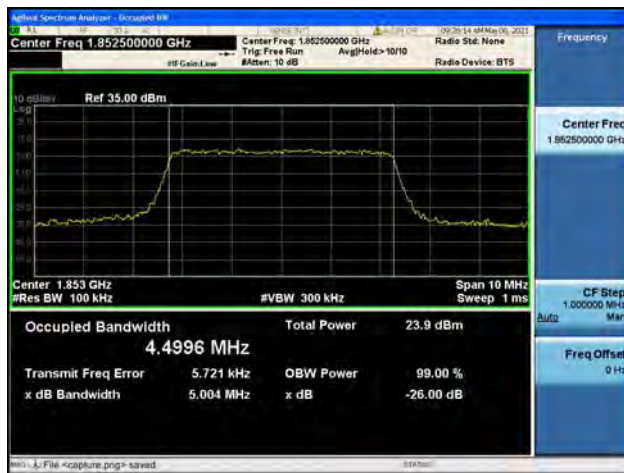
Band2 / 5MHz / Low CH / QPSK



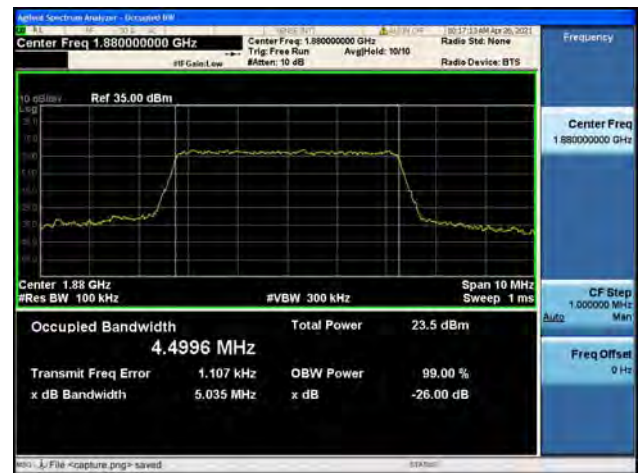
Band2 / 5MHz / Low CH / 16QAM



Band2 / 5MHz / Low CH / 64QAM



Band2 / 5MHz / Mid CH / QPSK



Band2 / 5MHz / Mid CH / 16QAM

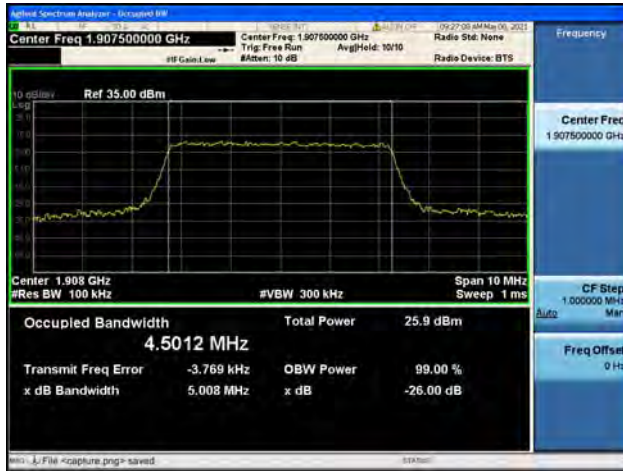


Band2 / 5MHz / Mid CH / 64QAM





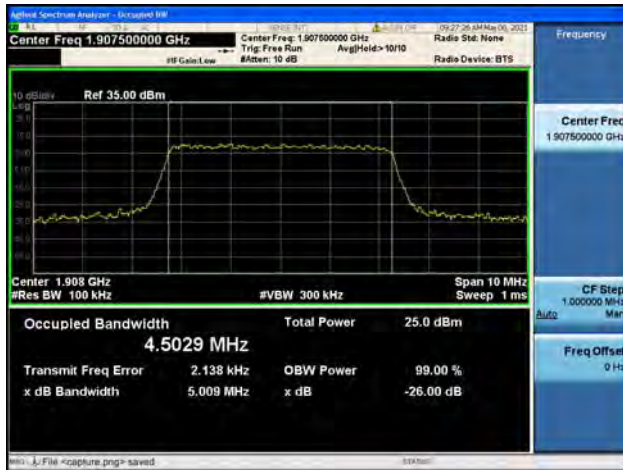
Band2 / 5MHz / High CH / QPSK



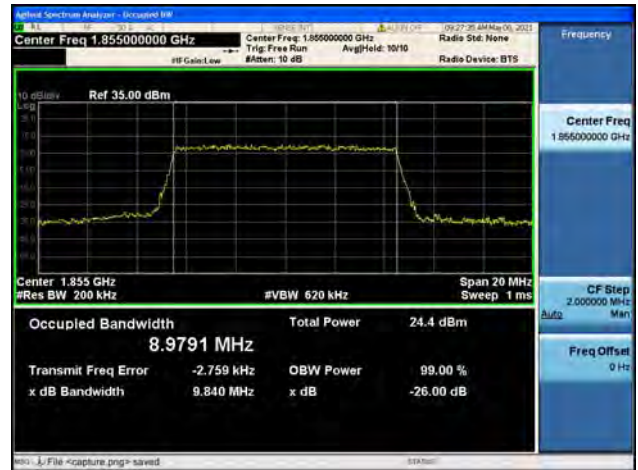
Band2 / 5MHz / High CH / 16QAM



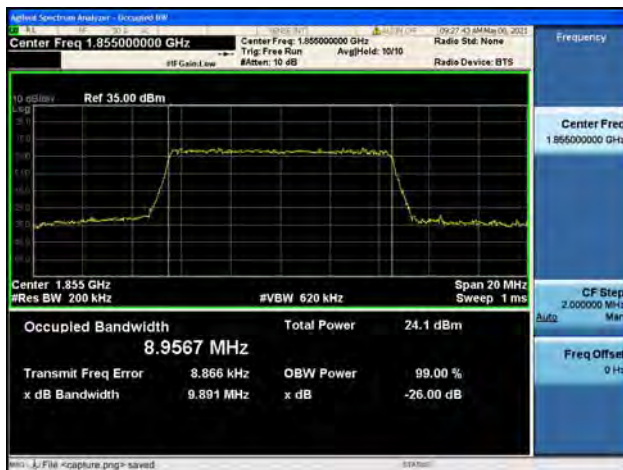
Band2 / 5MHz / High CH / 64QAM



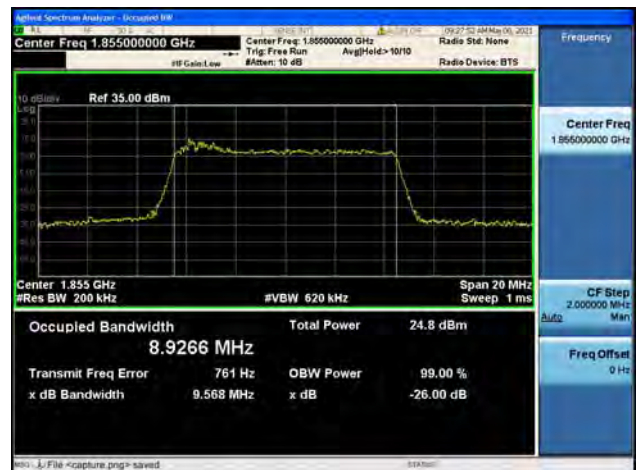
Band2 / 10MHz / Low CH / QPSK



Band2 / 10MHz / Low CH / 16QAM

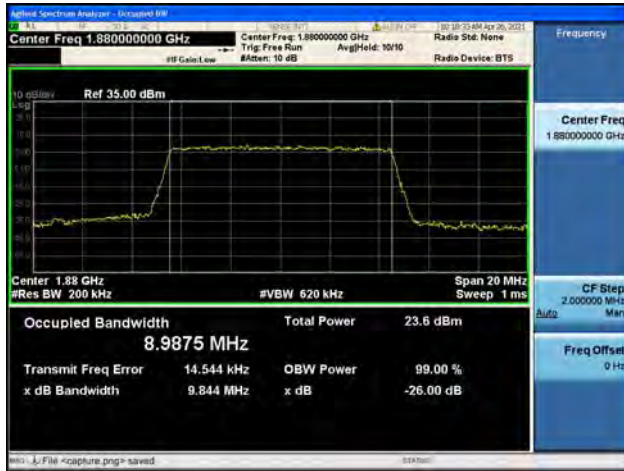


Band2 / 10MHz / Low CH / 64QAM

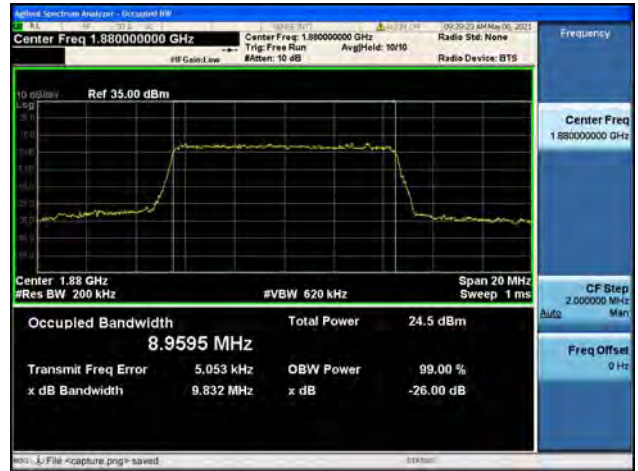




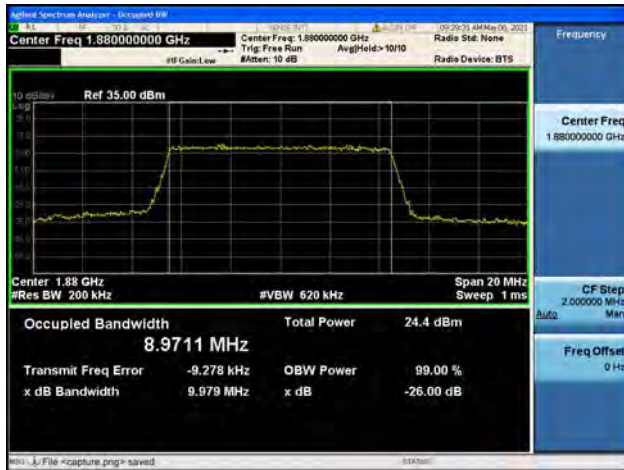
Band2 / 10MHz / Mid CH / QPSK



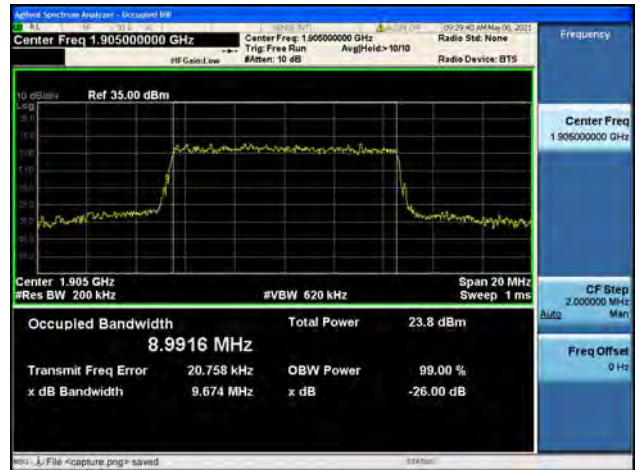
Band2 / 10MHz / Mid CH / 16QAM



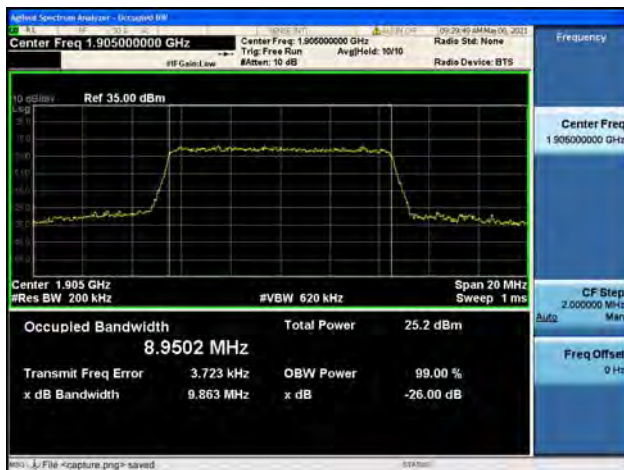
Band2 / 10MHz / Mid CH / 64QAM



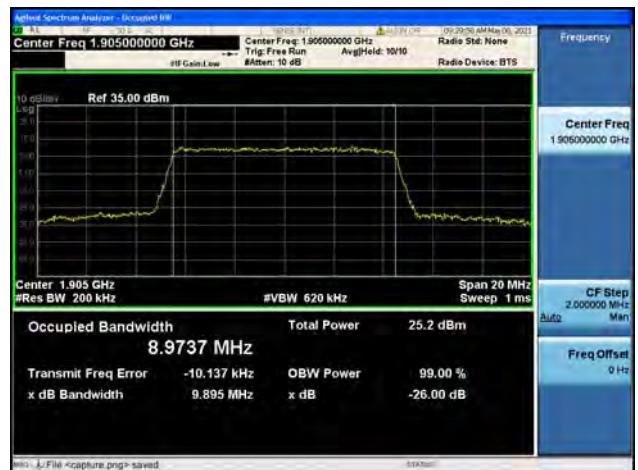
Band2 / 10MHz / High CH / QPSK



Band2 / 10MHz / High CH / 16QAM

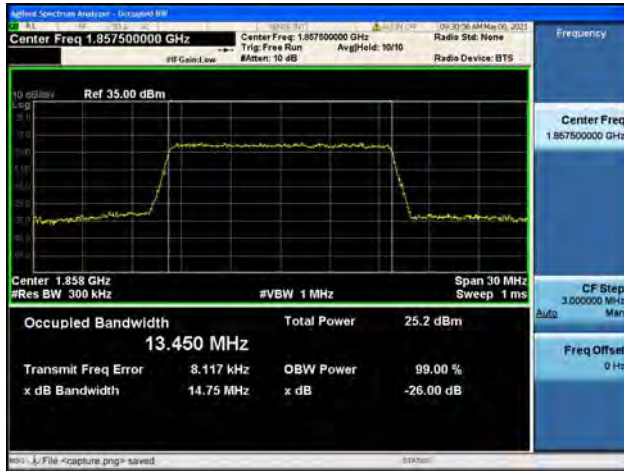


Band2 / 10MHz / High CH / 64QAM

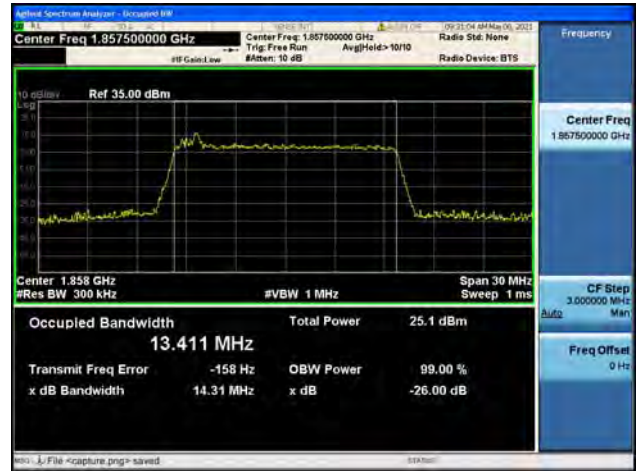




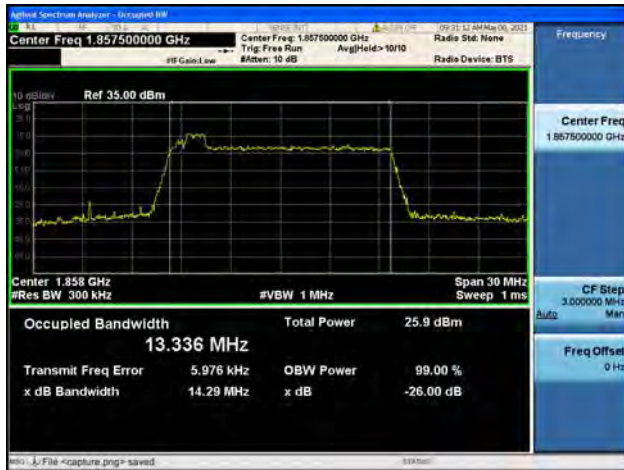
Band2 / 15MHz / Low CH / QPSK



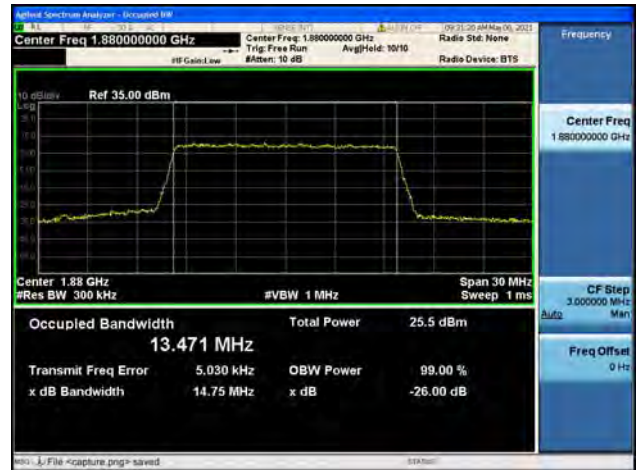
Band2 / 15MHz / Low CH / 16QAM



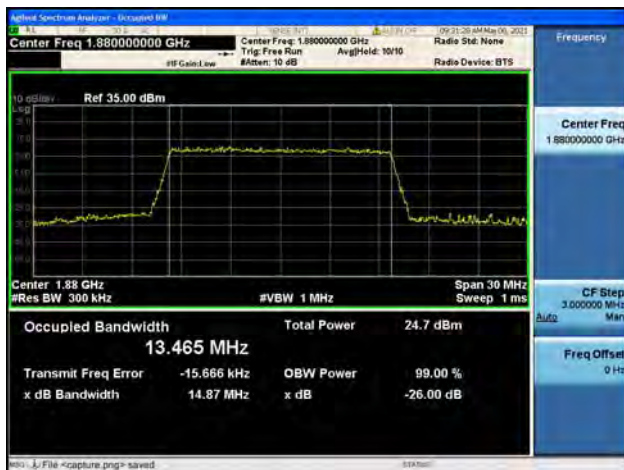
Band2 / 15MHz / Low CH / 64QAM



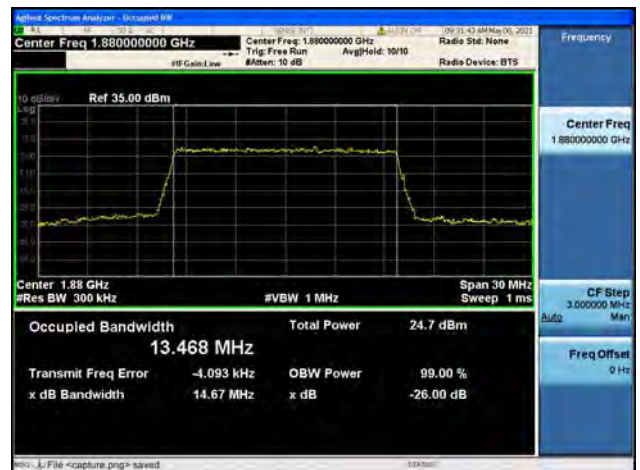
Band2 / 15MHz / Mid CH / QPSK



Band2 / 15MHz / Mid CH / 16QAM



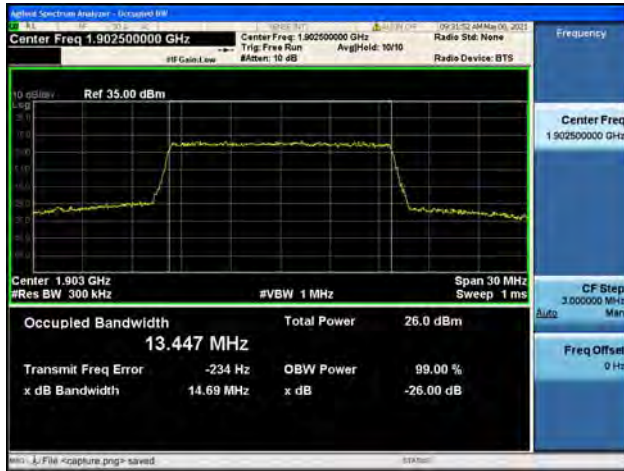
Band2 / 15MHz / Mid CH / 64QAM







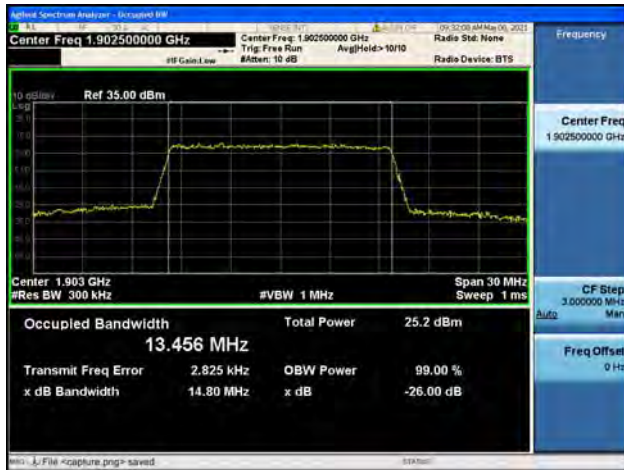
Band2 / 15MHz / High CH / QPSK



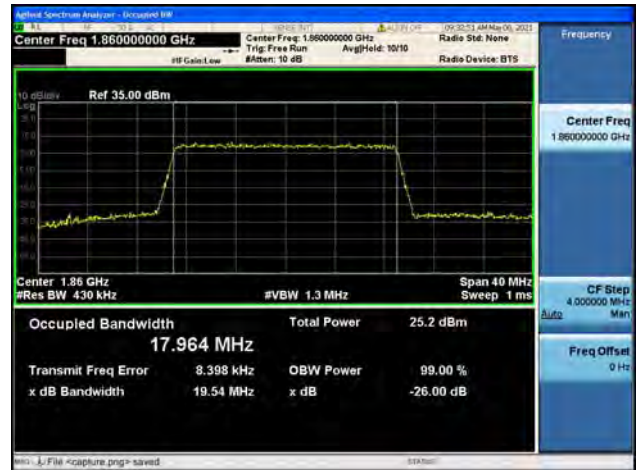
Band2 / 15MHz / High CH / 16QAM



Band2 / 15MHz / High CH / 64QAM



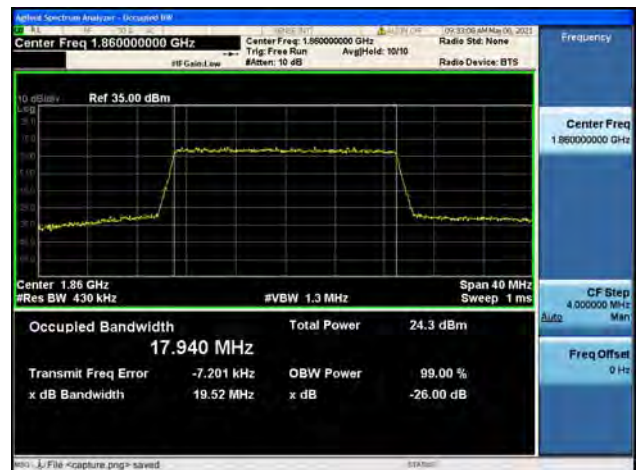
Band2 / 20MHz / Low CH / QPSK



Band2 / 20MHz / Low CH / 16QAM



Band2 / 20MHz / Low CH / 64QAM





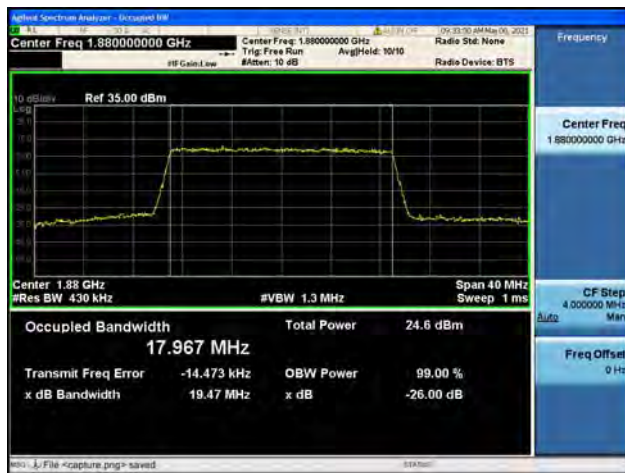
Band2 / 20MHz / Mid CH / QPSK



Band2 / 20MHz / Mid CH / 16QAM



Band2 / 20MHz / Mid CH / 64QAM



Band2 / 20MHz / High CH / QPSK

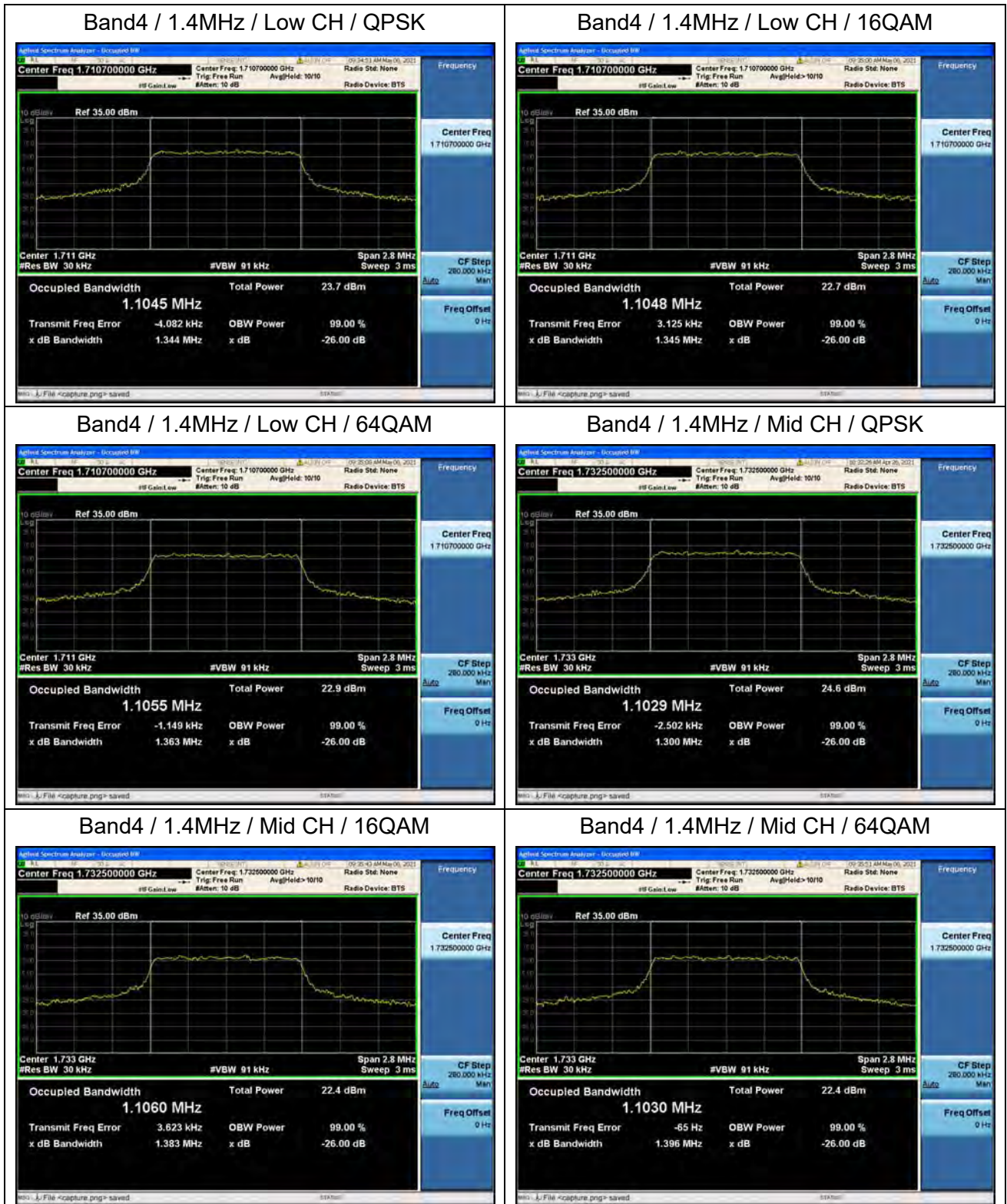


Band2 / 20MHz / High CH / 16QAM



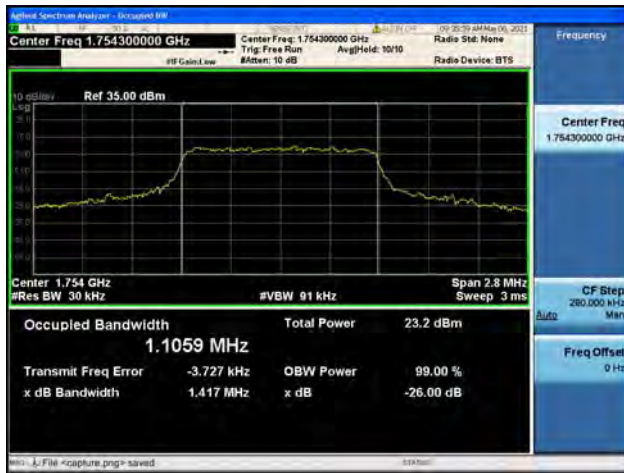
Band2 / 20MHz / High CH / 64QAM



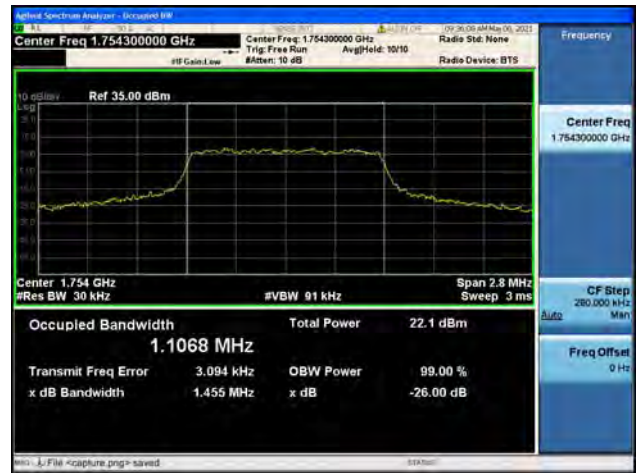




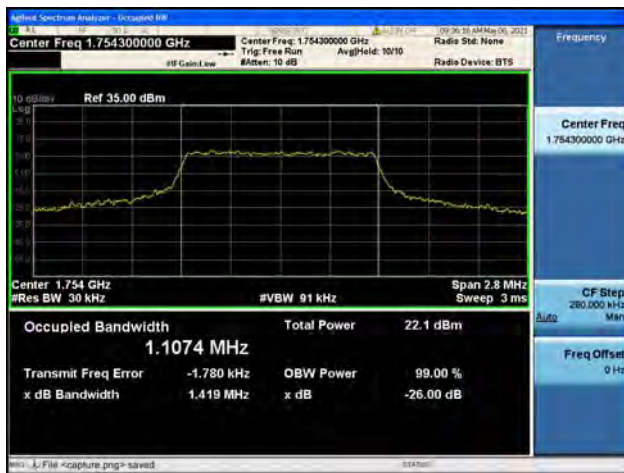
Band4 / 1.4MHz / High CH / QPSK



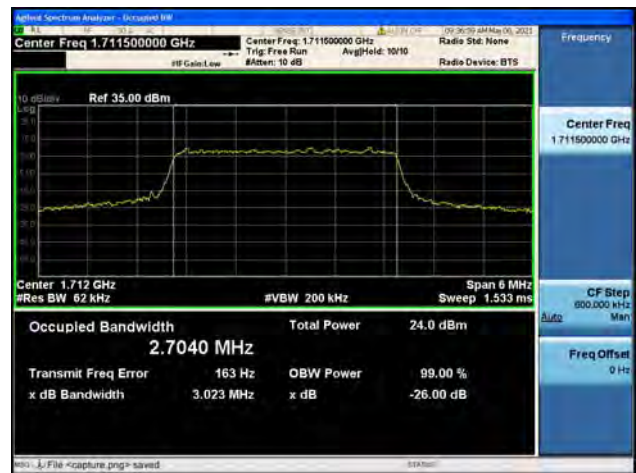
Band4 / 1.4MHz / High CH / 16QAM



Band4 / 1.4MHz / High CH / 64QAM



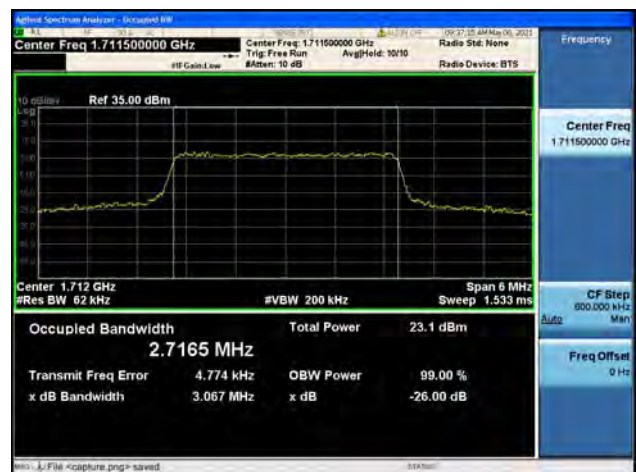
Band4 / 3MHz / Low CH / QPSK



Band4 / 3MHz / Low CH / 16QAM

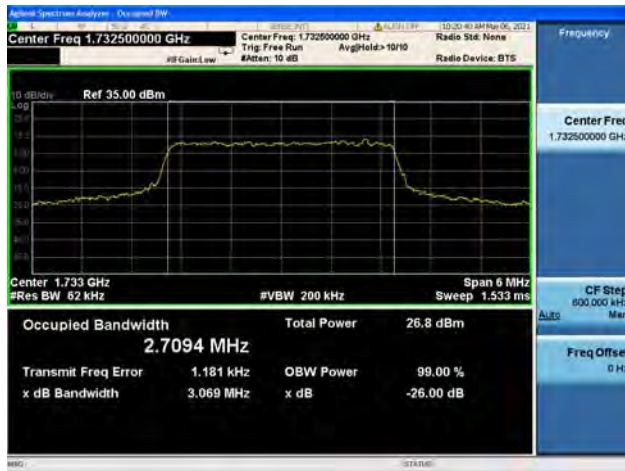


Band4 / 3MHz / Low CH / 64QAM

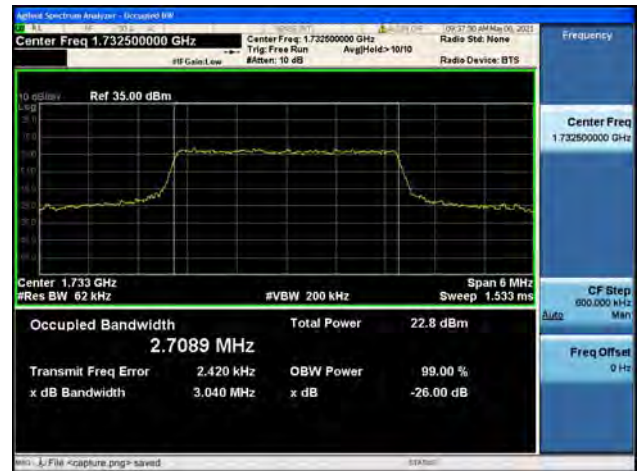




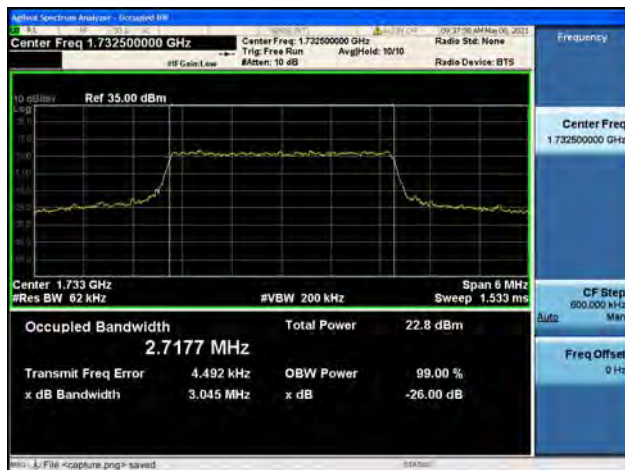
Band4 / 3MHz / Mid CH / QPSK



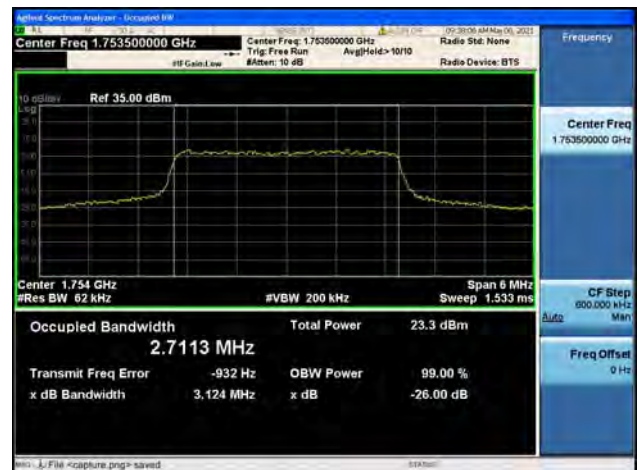
Band4 / 3MHz / Mid CH / 16QAM



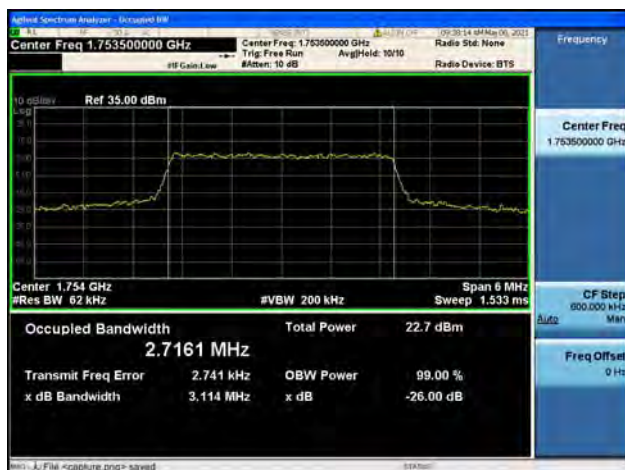
Band4 / 3MHz / Mid CH / 64QAM



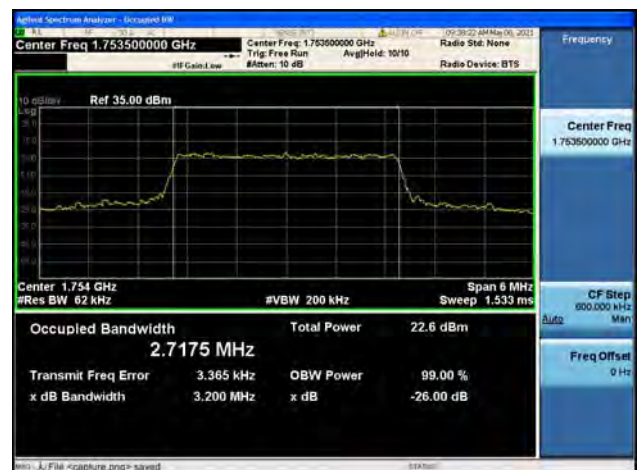
Band4 / 3MHz / High CH / QPSK



Band4 / 3MHz / High CH / 16QAM

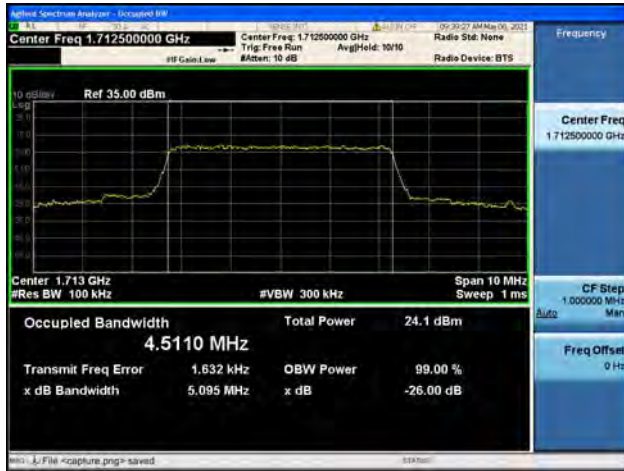


Band4 / 3MHz / High CH / 64QAM

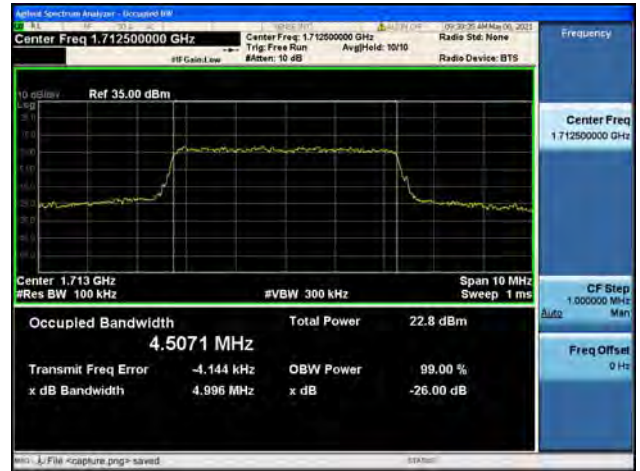




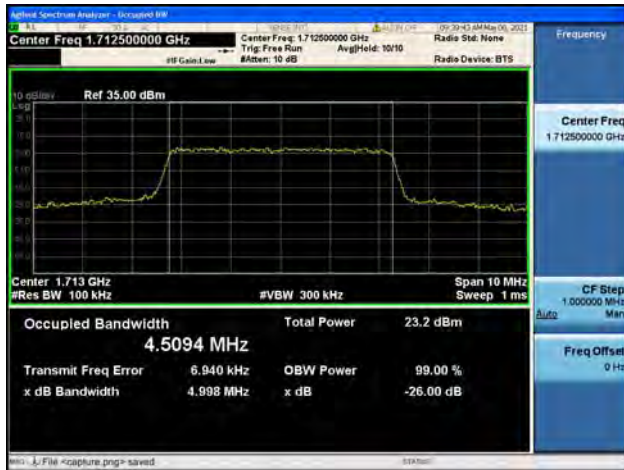
Band4 / 5MHz / Low CH / QPSK



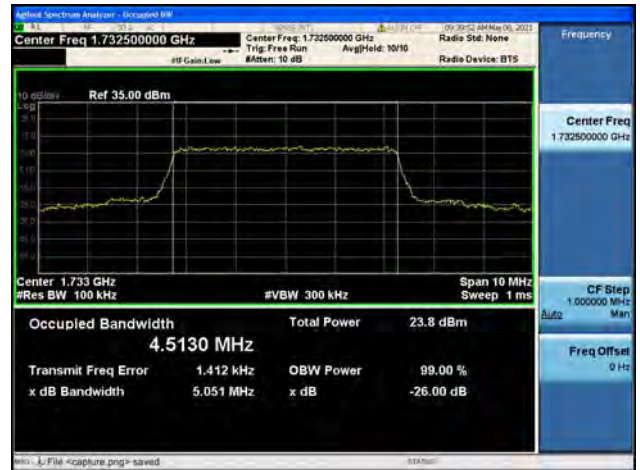
Band4 / 5MHz / Low CH / 16QAM



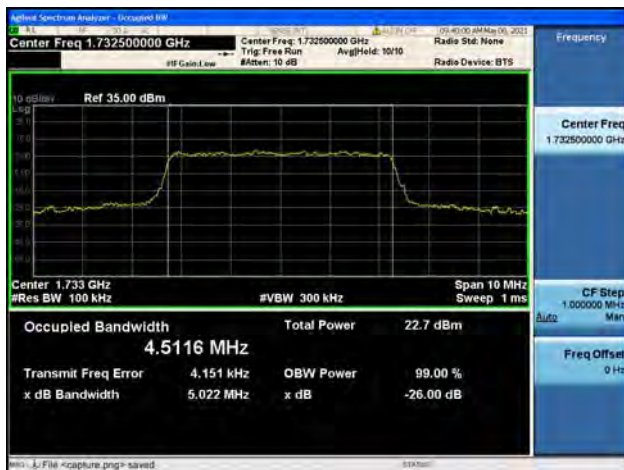
Band4 / 5MHz / Low CH / 64QAM



Band4 / 5MHz / Mid CH / QPSK



Band4 / 5MHz / Mid CH / 16QAM

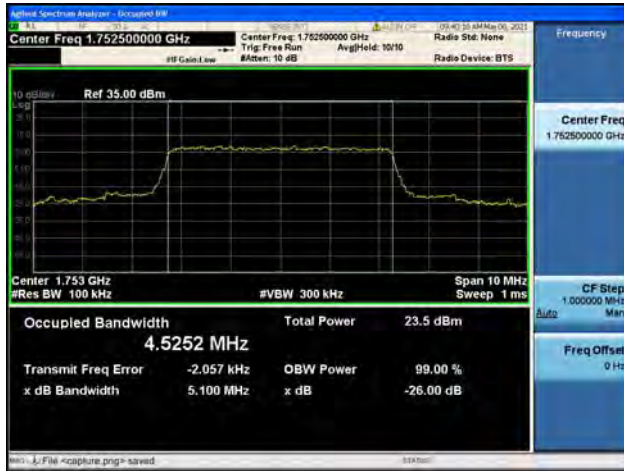


Band4 / 5MHz / Mid CH / 64QAM

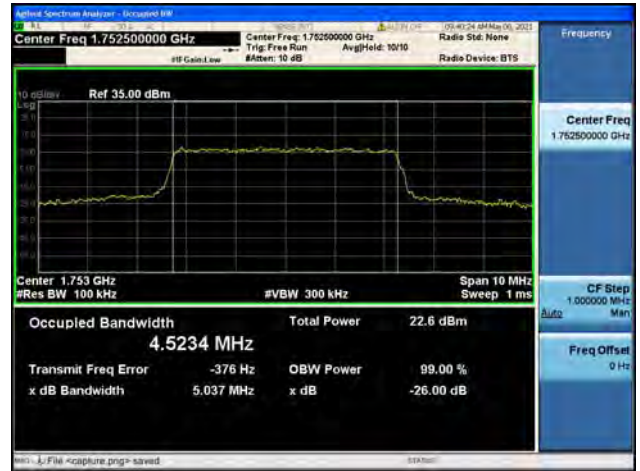




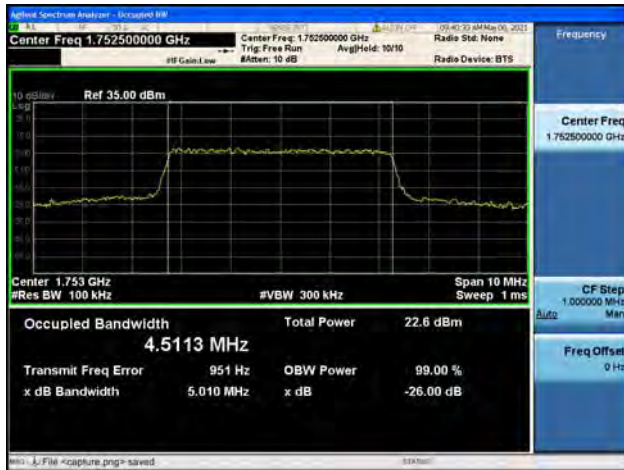
Band4 / 5MHz / High CH / QPSK



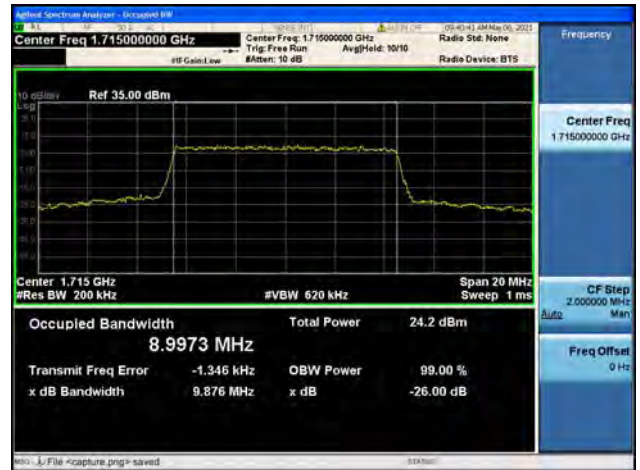
Band4 / 5MHz / High CH / 16QAM



Band4 / 5MHz / High CH / 64QAM



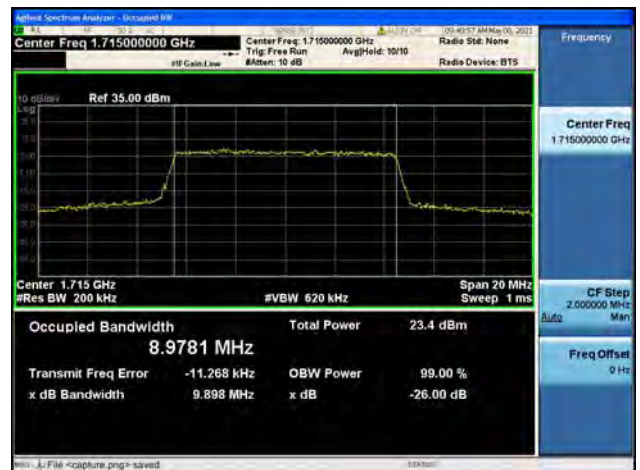
Band4 / 10MHz / Low CH / QPSK



Band4 / 10MHz / Low CH / 16QAM

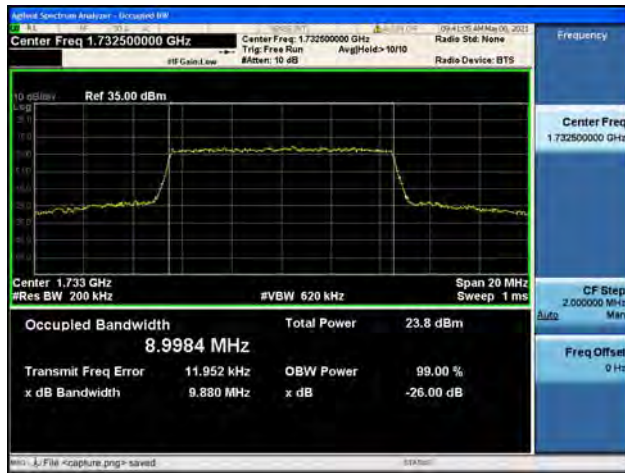


Band4 / 10MHz / Low CH / 64QAM

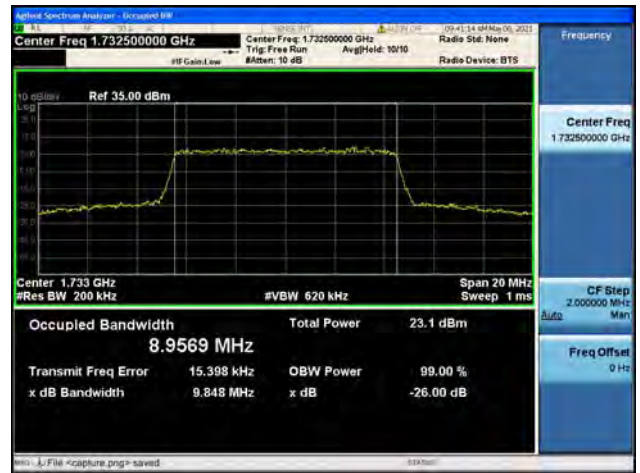




Band4 / 10MHz / Mid CH / QPSK



Band4 / 10MHz / Mid CH / 16QAM



Band4 / 10MHz / Mid CH / 64QAM



Band4 / 10MHz / High CH / QPSK



Band4 / 10MHz / High CH / 16QAM



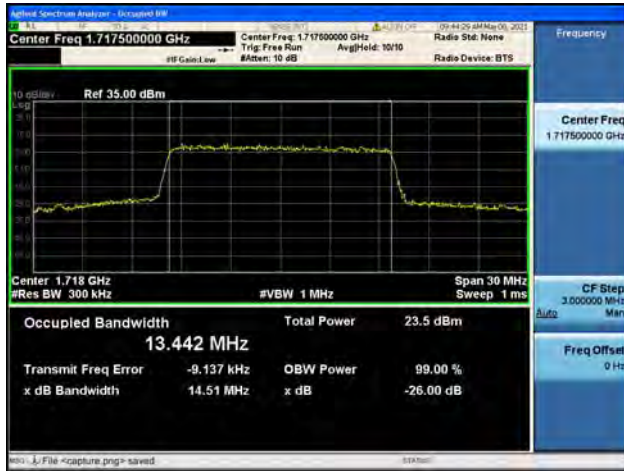
Band4 / 10MHz / High CH / 64QAM







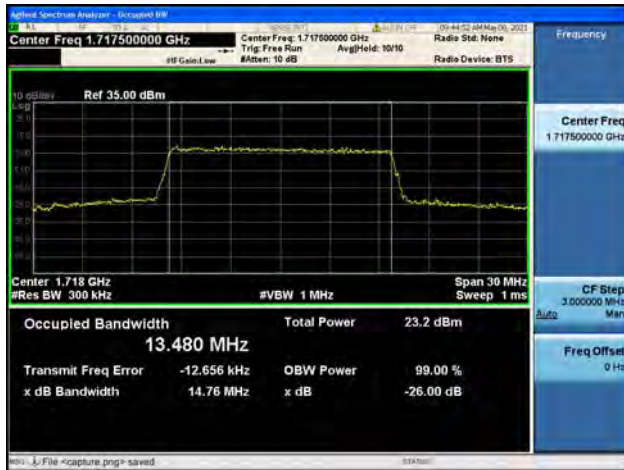
Band4 / 15MHz / Low CH / QPSK



Band4 / 15MHz / Low CH / 16QAM



Band4 / 15MHz / Low CH / 64QAM



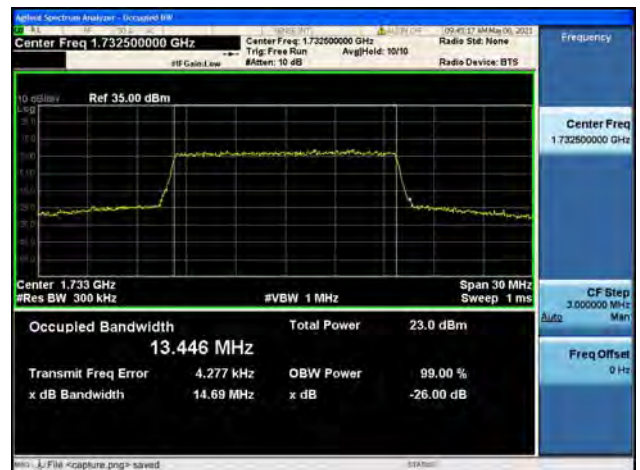
Band4 / 15MHz / Mid CH / QPSK



Band4 / 15MHz / Mid CH / 16QAM



Band4 / 15MHz / Mid CH / 64QAM

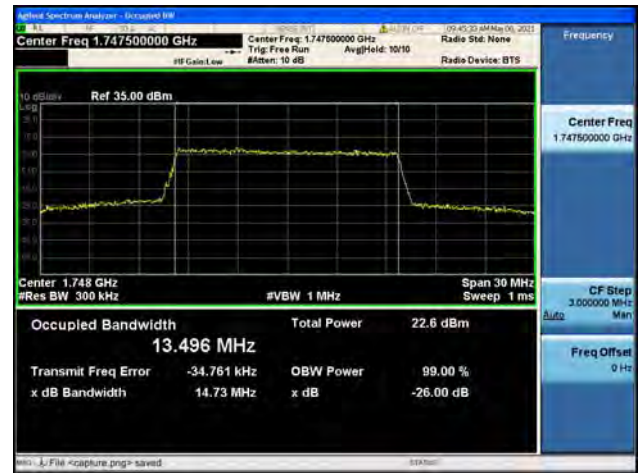




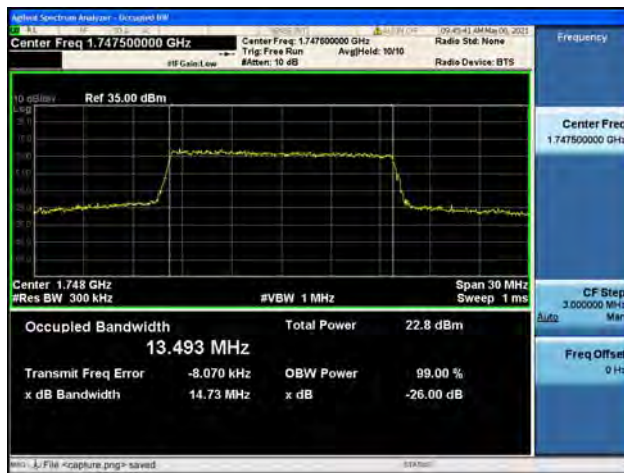
Band4 / 15MHz / High CH / QPSK



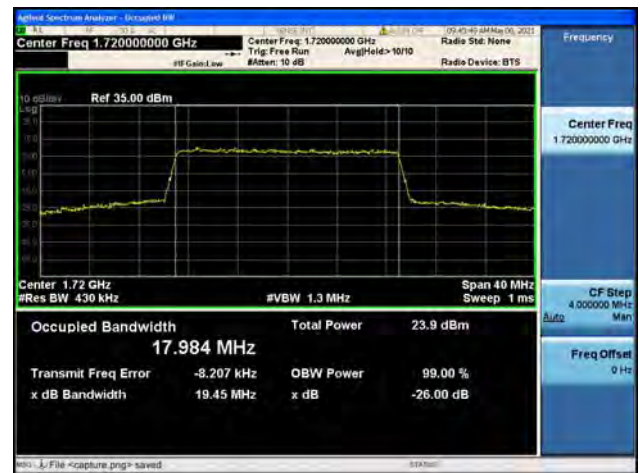
Band4 / 15MHz / High CH / 16QAM



Band4 / 15MHz / High CH / 64QAM



Band4 / 20MHz / Low CH / QPSK



Band4 / 20MHz / Low CH / 16QAM

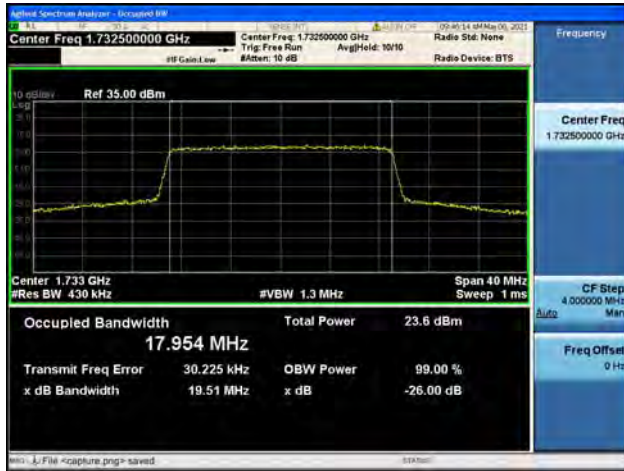


Band4 / 20MHz / Low CH / 64QAM

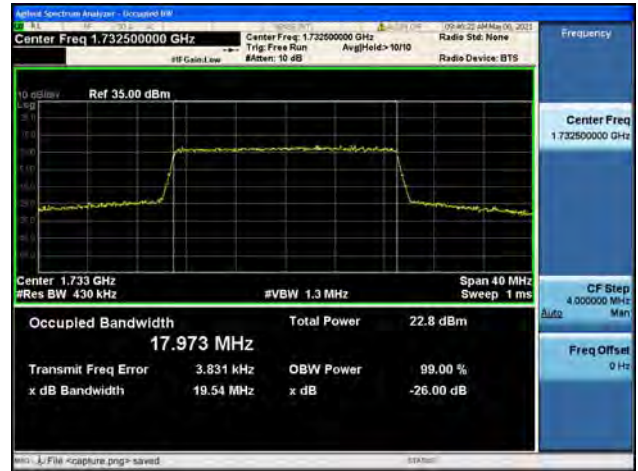




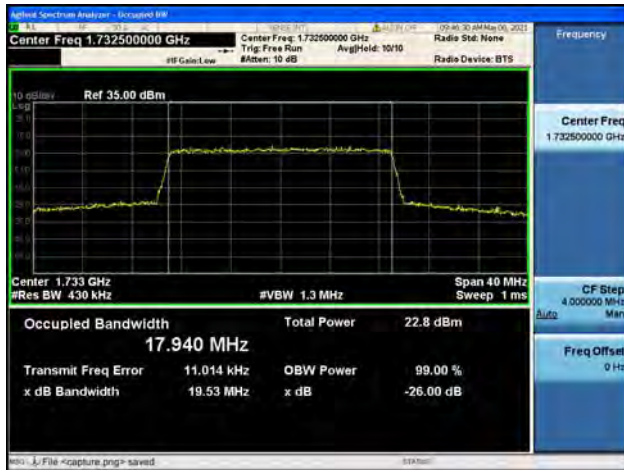
Band4 / 20MHz / Mid CH / QPSK



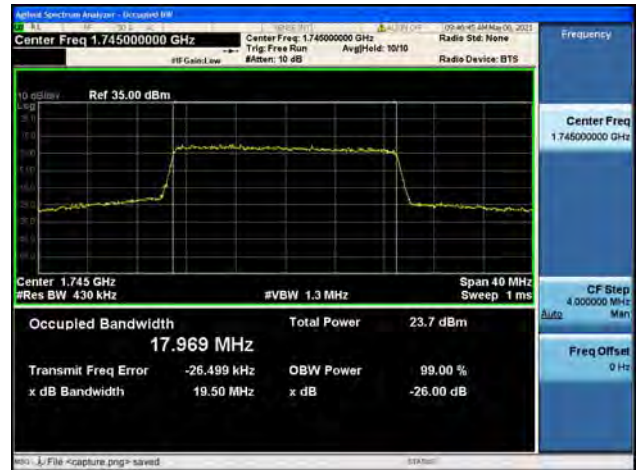
Band4 / 20MHz / Mid CH / 16QAM



Band4 / 20MHz / Mid CH / 64QAM



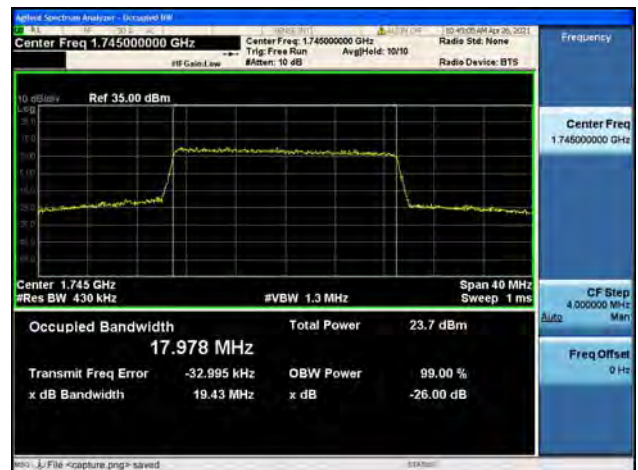
Band4 / 20MHz / High CH / QPSK



Band4 / 20MHz / High CH / 16QAM

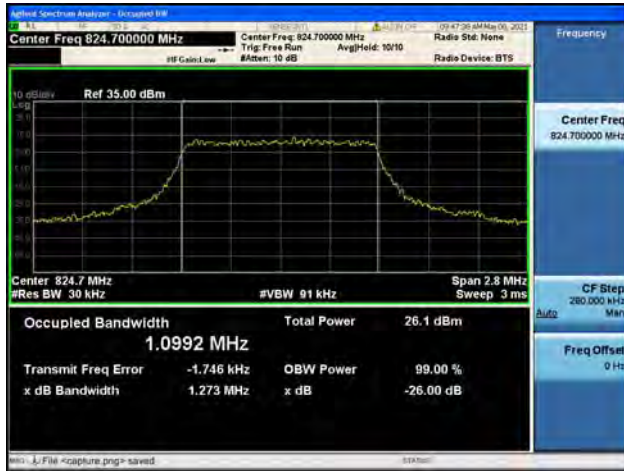


Band4 / 20MHz / High CH / 64QAM

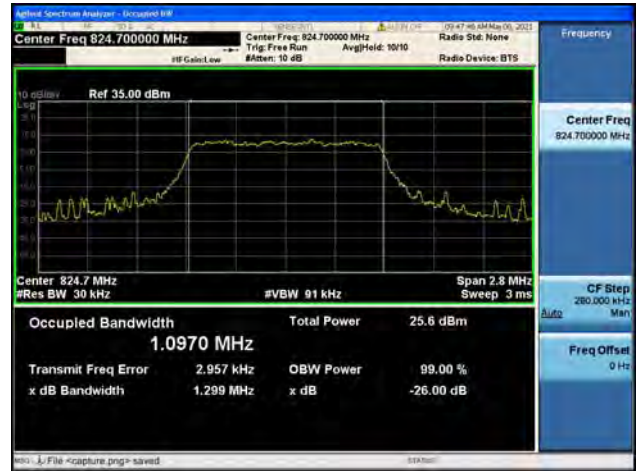




Band5 / 1.4MHz / Low CH / QPSK



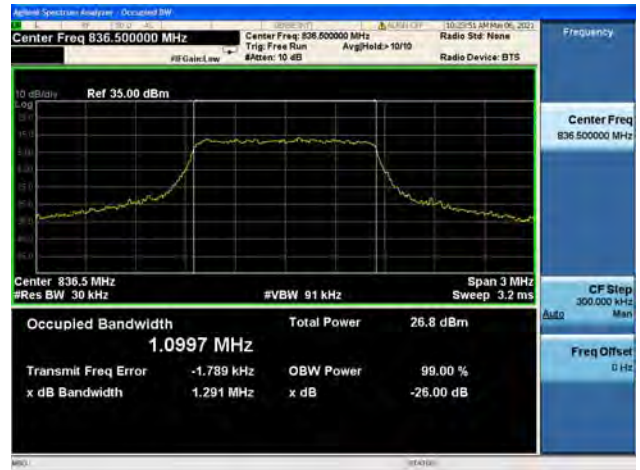
Band5 / 1.4MHz / Low CH / 16QAM



Band5 / 1.4MHz / Low CH / 64QAM



Band5 / 1.4MHz / Mid CH / QPSK



Band5 / 1.4MHz / Mid CH / 16QAM

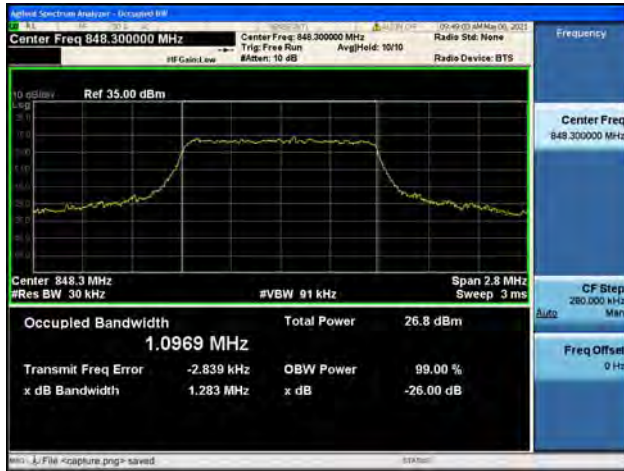


Band5 / 1.4MHz / Mid CH / 64QAM

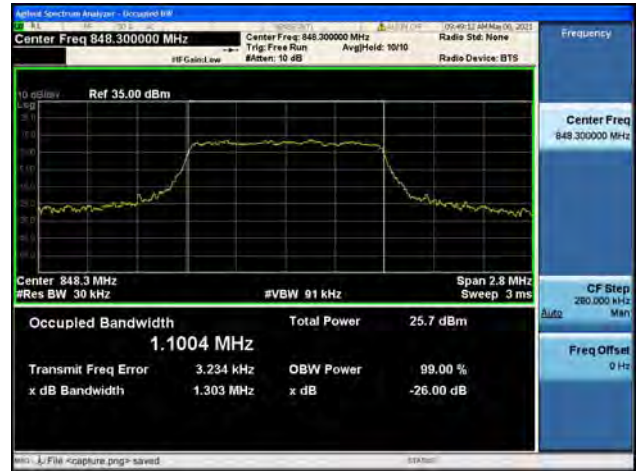




Band5 / 1.4MHz / High CH / QPSK



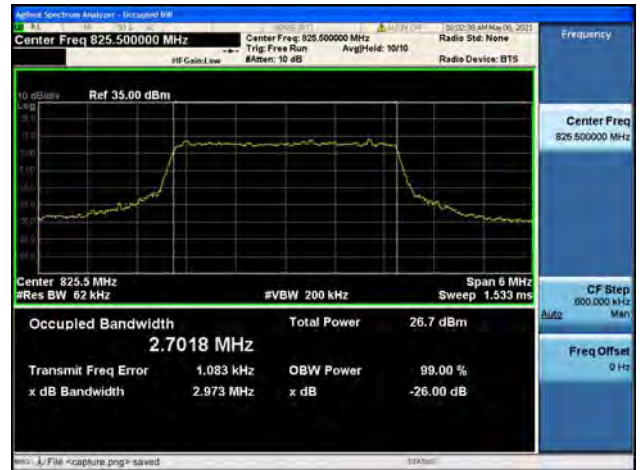
Band5 / 1.4MHz / High CH / 16QAM



Band5 / 1.4MHz / High CH / 64QAM



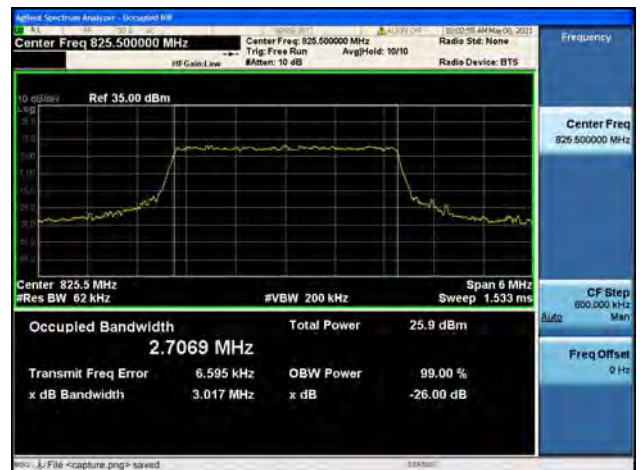
Band5 / 3MHz / Low CH / QPSK



Band5 / 3MHz / Low CH / 16QAM

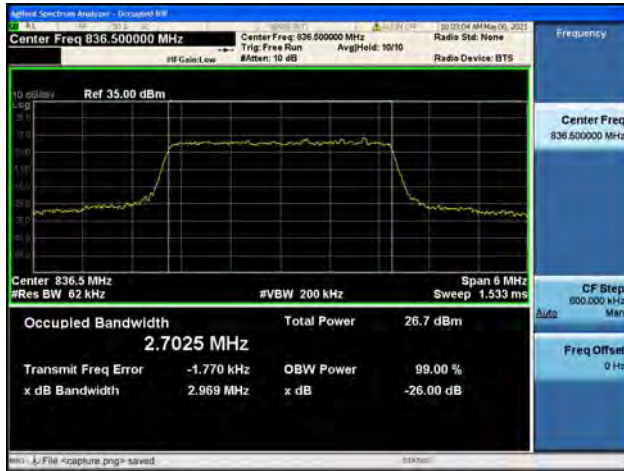


Band5 / 3MHz / Low CH / 64QAM





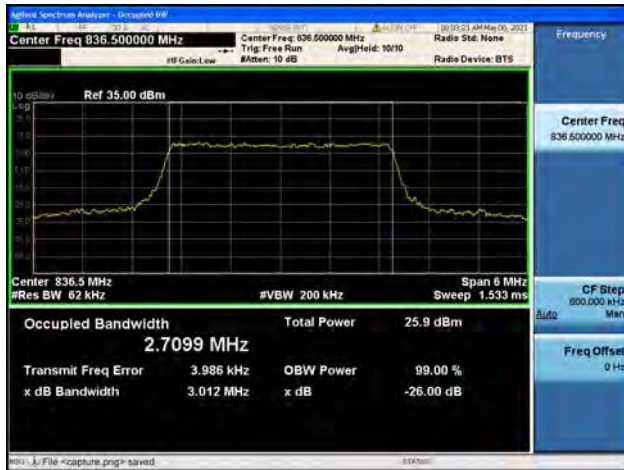
Band5 / 3MHz / Mid CH / QPSK



Band5 / 3MHz / Mid CH / 16QAM



Band5 / 3MHz / Mid CH / 64QAM



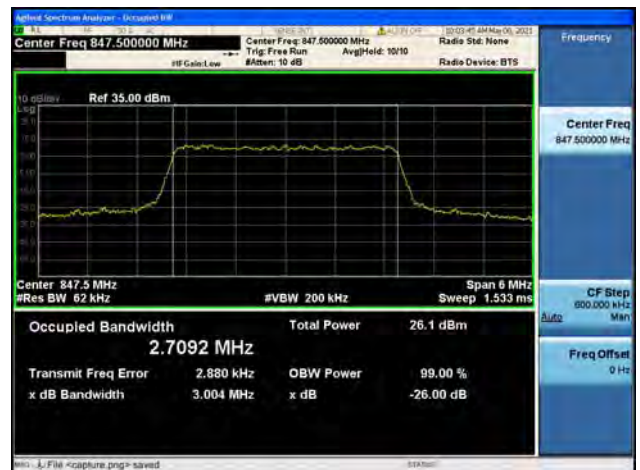
Band5 / 3MHz / High CH / QPSK



Band5 / 3MHz / High CH / 16QAM

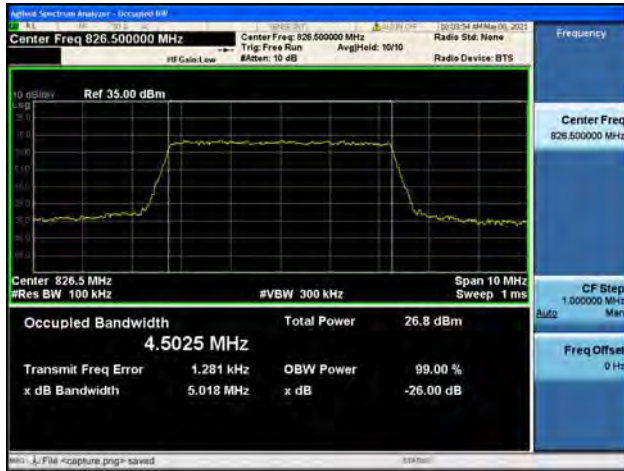


Band5 / 3MHz / High CH / 64QAM

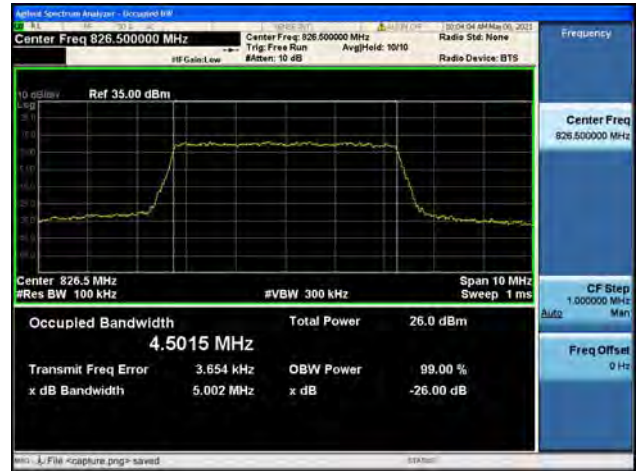




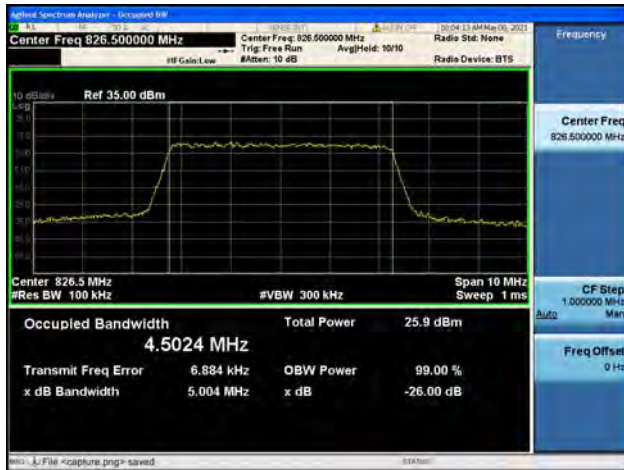
Band5 / 5MHz / Low CH / QPSK



Band5 / 5MHz / Low CH / 16QAM



Band5 / 5MHz / Low CH / 64QAM



Band5 / 5MHz / Mid CH / QPSK



Band5 / 5MHz / Mid CH / 16QAM



Band5 / 5MHz / Mid CH / 64QAM





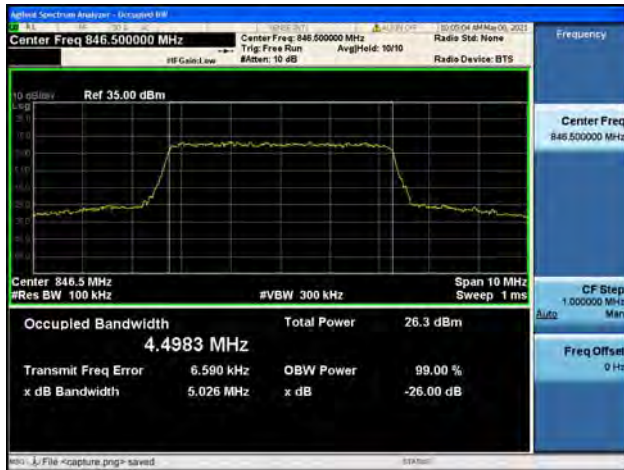
Band5 / 5MHz / High CH / QPSK



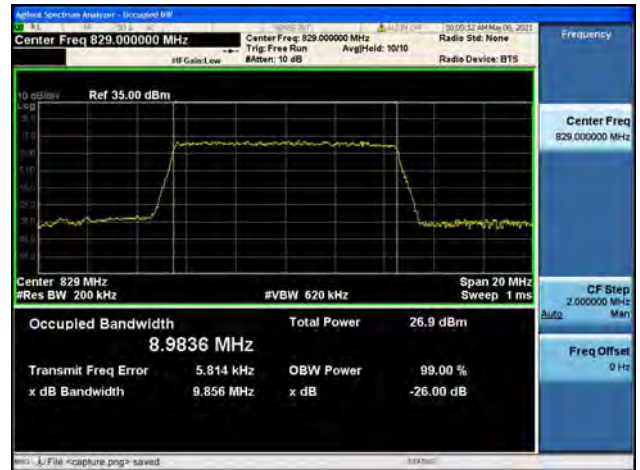
Band5 / 5MHz / High CH / 16QAM



Band5 / 5MHz / High CH / 64QAM



Band5 / 10MHz / Low CH / QPSK



Band5 / 10MHz / Low CH / 16QAM



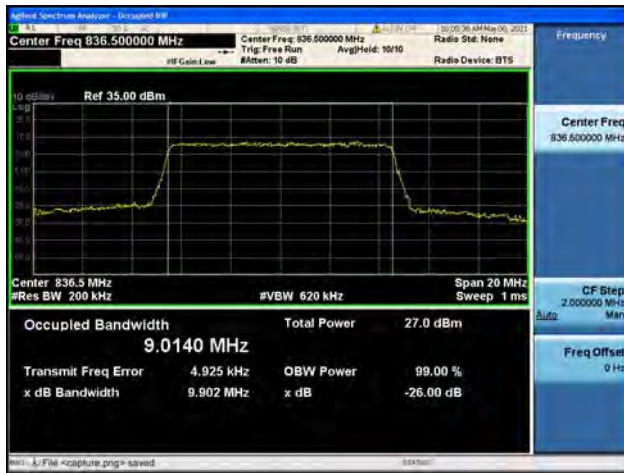
Band5 / 10MHz / Low CH / 64QAM







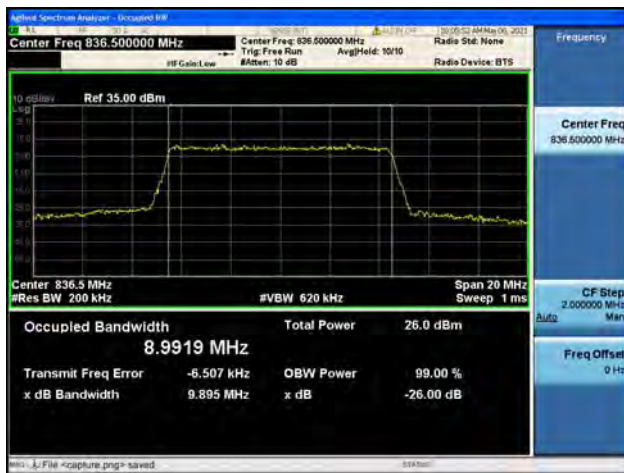
Band5 / 10MHz / Mid CH / QPSK



Band5 / 10MHz / Mid CH / 16QAM



Band5 / 10MHz / Mid CH / 64QAM



Band5 / 10MHz / High CH / QPSK



Band5 / 10MHz / High CH / 16QAM

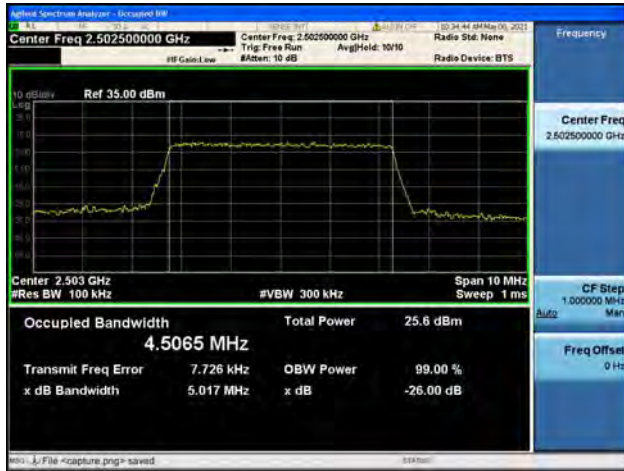


Band5 / 10MHz / High CH / 64QAM

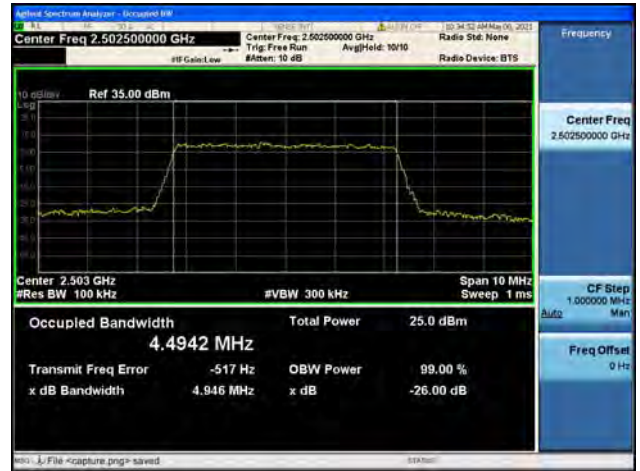




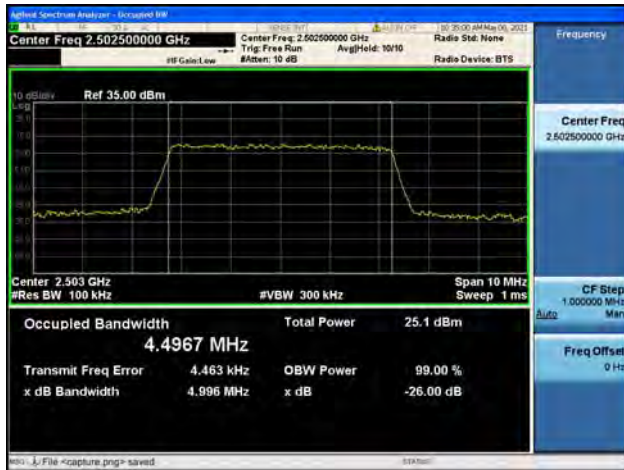
Band7 / 5MHz / Low CH / QPSK



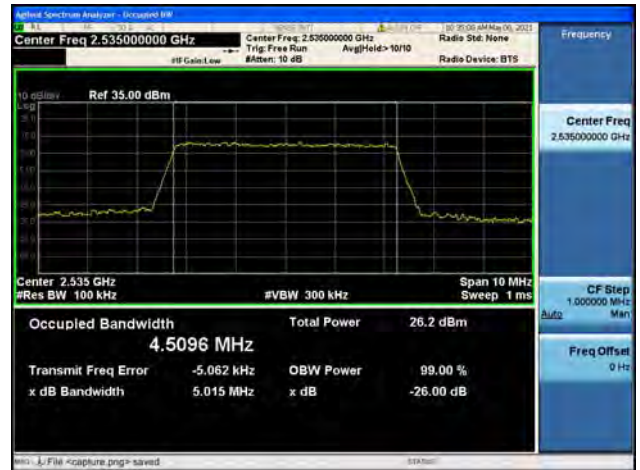
Band7 / 5MHz / Low CH / 16QAM



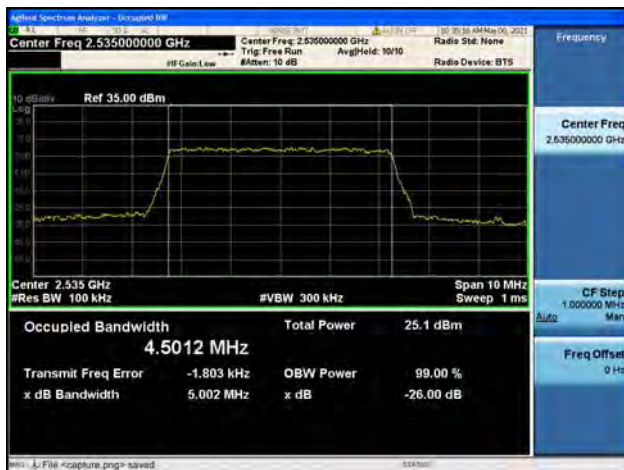
Band7 / 5MHz / Low CH / 64QAM



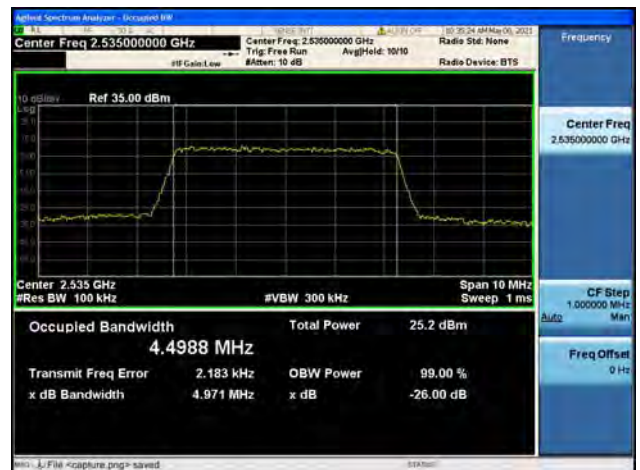
Band7 / 5MHz / Mid CH / QPSK



Band7 / 5MHz / Mid CH / 16QAM

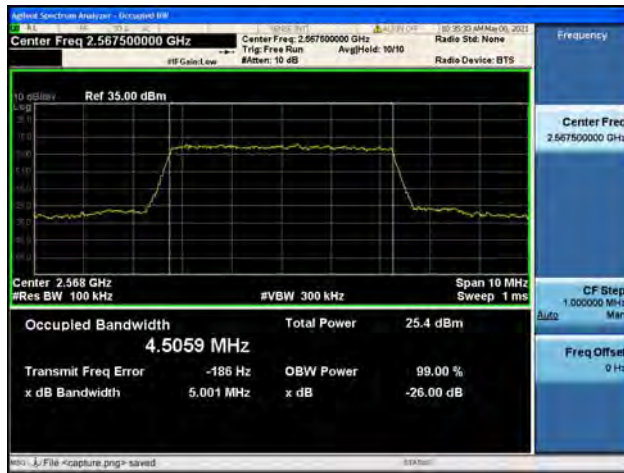


Band7 / 5MHz / Mid CH / 64QAM





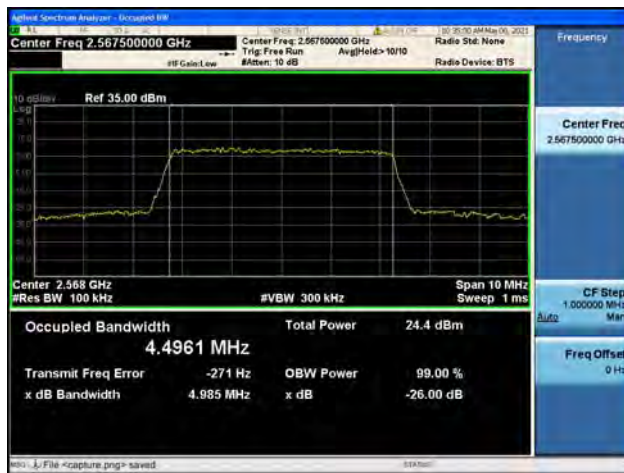
Band7 / 5MHz / High CH / QPSK



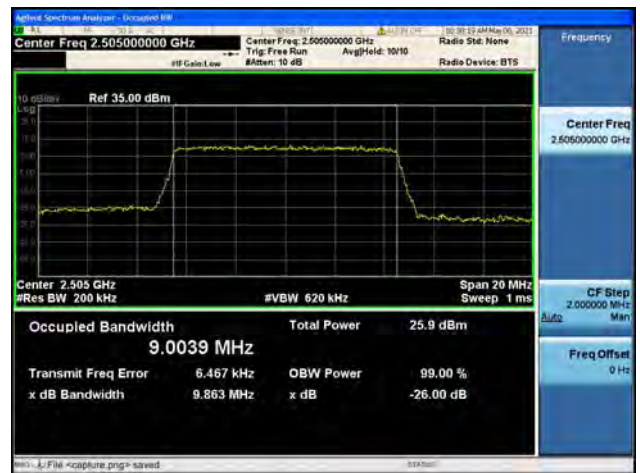
Band7 / 5MHz / High CH / 16QAM



Band7 / 5MHz / High CH / 64QAM



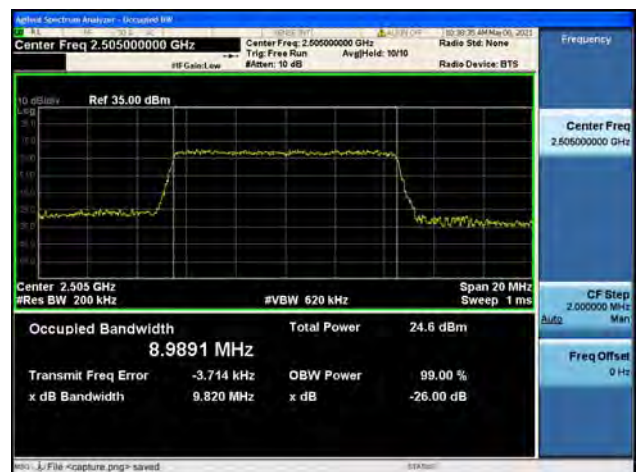
Band7 / 10MHz / Low CH / QPSK



Band7 / 10MHz / Low CH / 16QAM

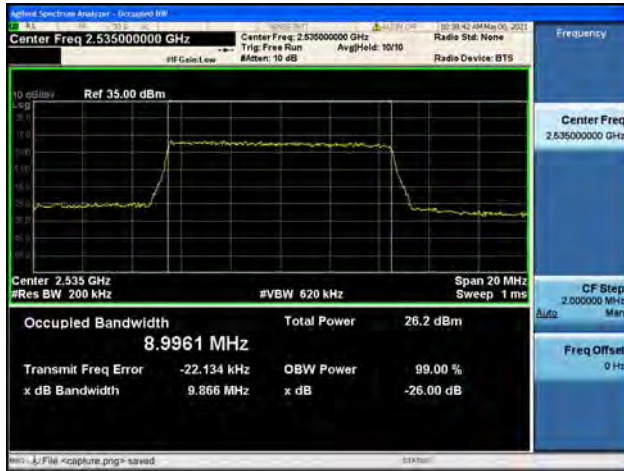


Band7 / 10MHz / Low CH / 64QAM





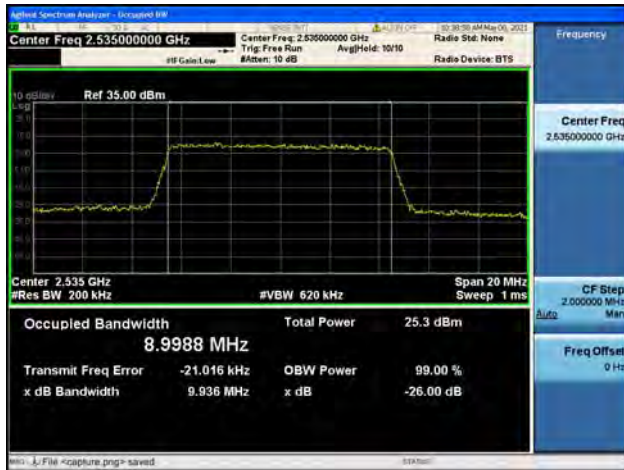
Band7 / 10MHz / Mid CH / QPSK



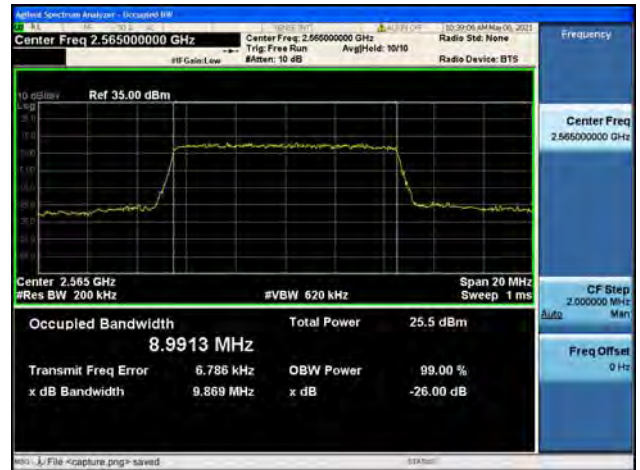
Band7 / 10MHz / Mid CH / 16QAM



Band7 / 10MHz / Mid CH / 64QAM



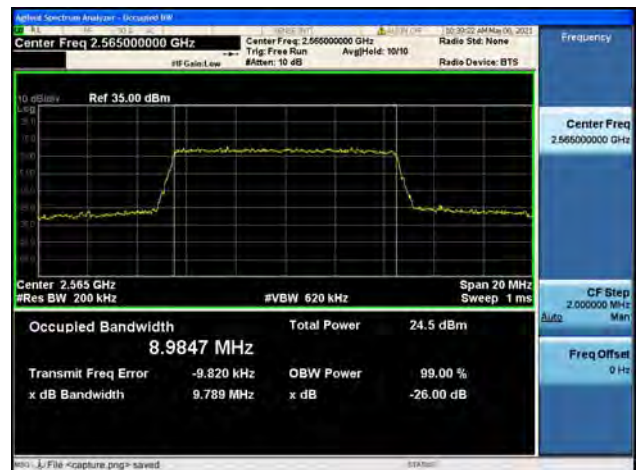
Band7 / 10MHz / High CH / QPSK



Band7 / 10MHz / High CH / 16QAM

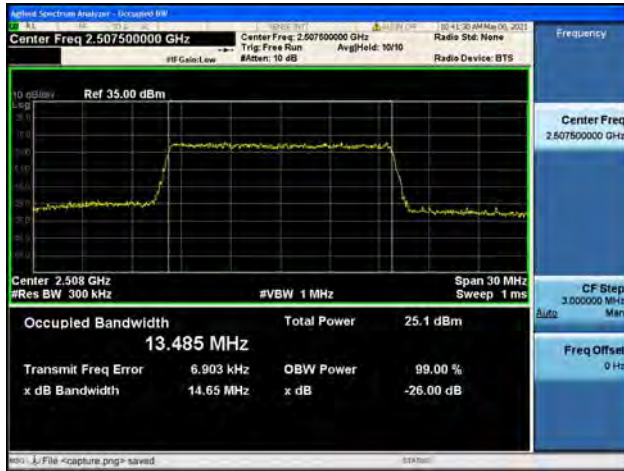


Band7 / 10MHz / High CH / 64QAM

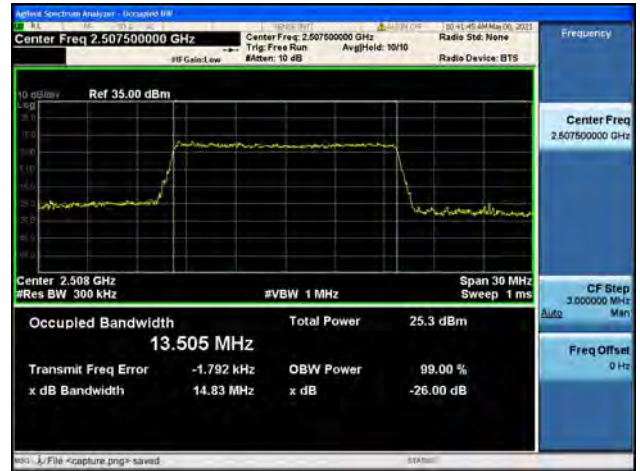




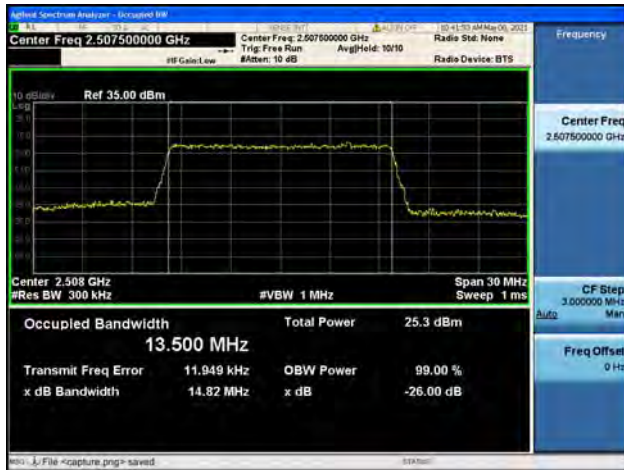
Band7 / 15MHz / Low CH / QPSK



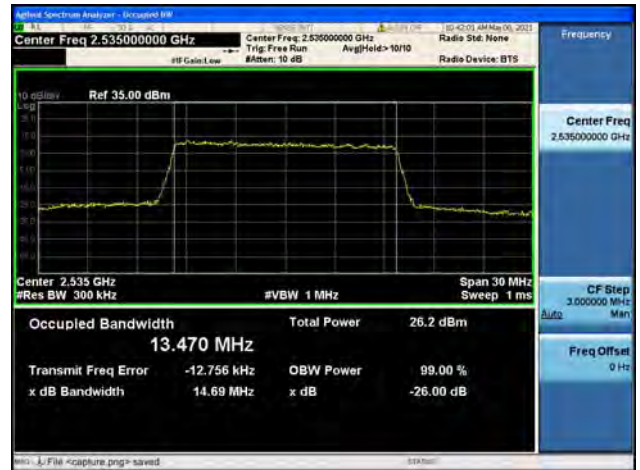
Band7 / 15MHz / Low CH / 16QAM



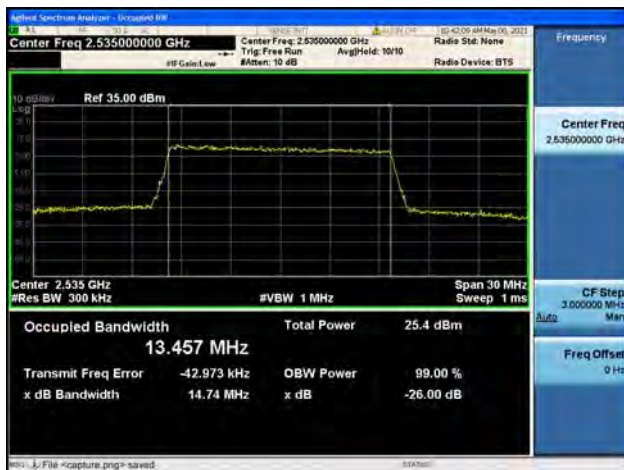
Band7 / 15MHz / Low CH / 64QAM



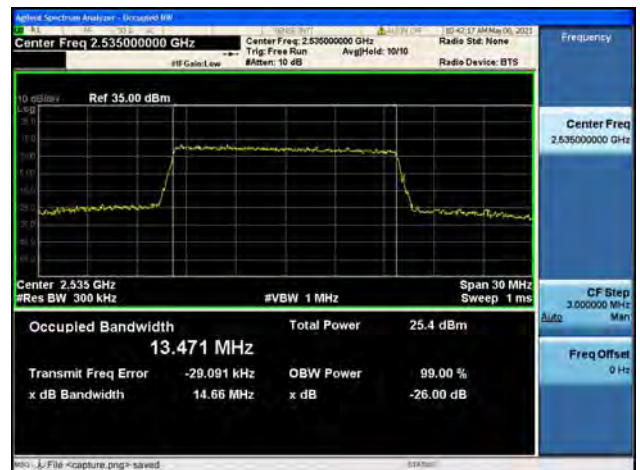
Band7 / 15MHz / Mid CH / QPSK



Band7 / 15MHz / Mid CH / 16QAM

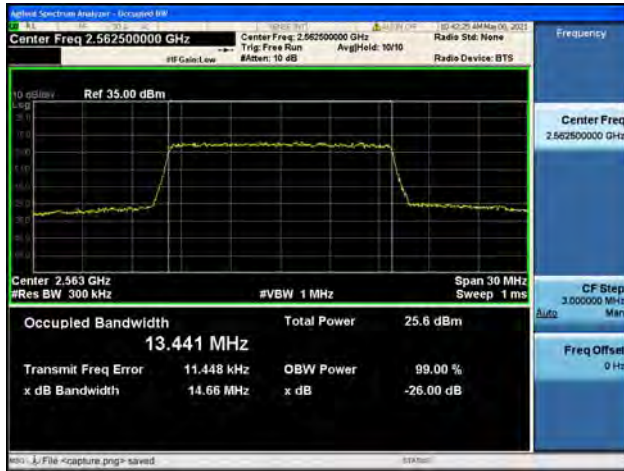


Band7 / 15MHz / Mid CH / 64QAM

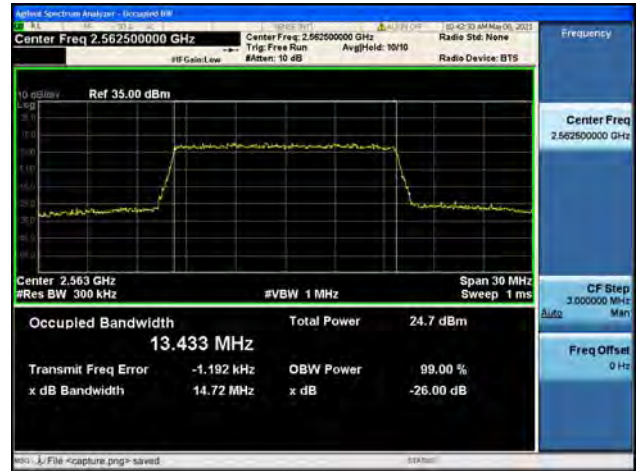




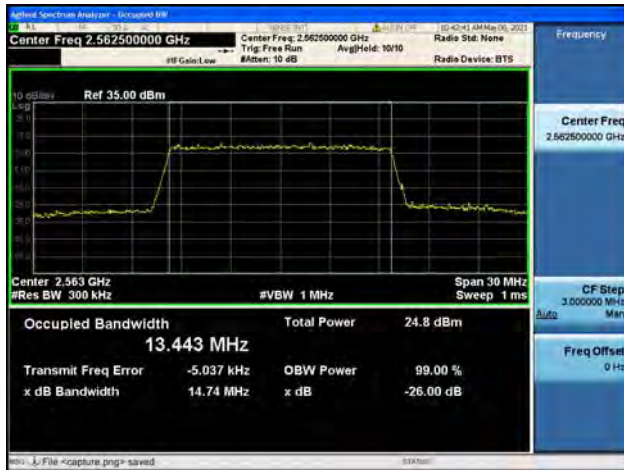
Band7 / 15MHz / High CH / QPSK



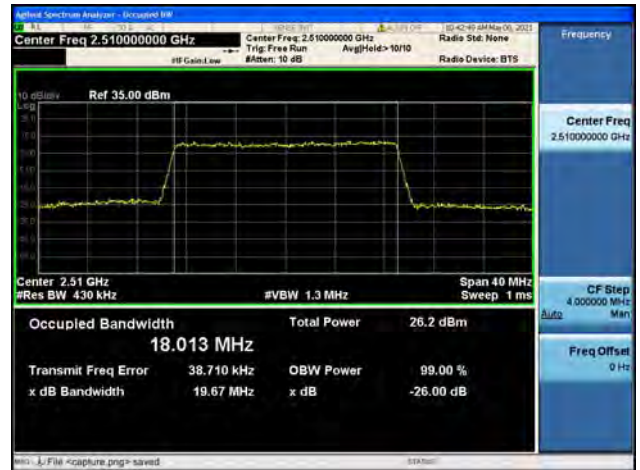
Band7 / 15MHz / High CH / 16QAM



Band7 / 15MHz / High CH / 64QAM



Band7 / 20MHz / Low CH / QPSK



Band7 / 20MHz / Low CH / 16QAM

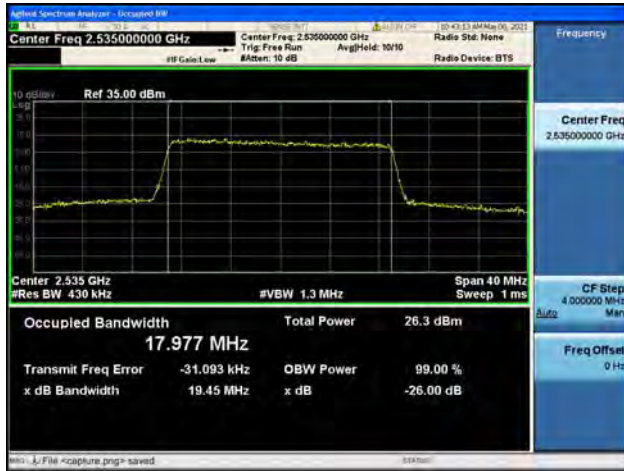


Band7 / 20MHz / Low CH / 64QAM





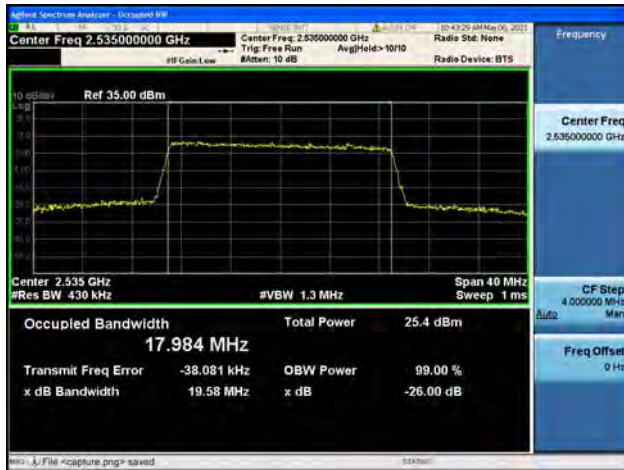
Band7 / 20MHz / Mid CH / QPSK



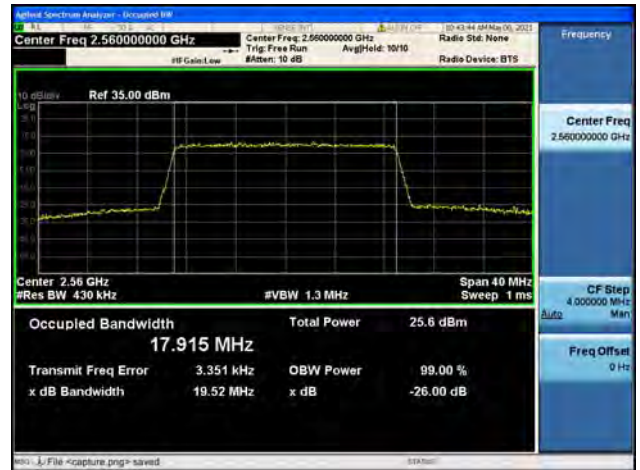
Band7 / 20MHz / Mid CH / 16QAM



Band7 / 20MHz / Mid CH / 64QAM



Band7 / 20MHz / High CH / QPSK



Band7 / 20MHz / High CH / 16QAM

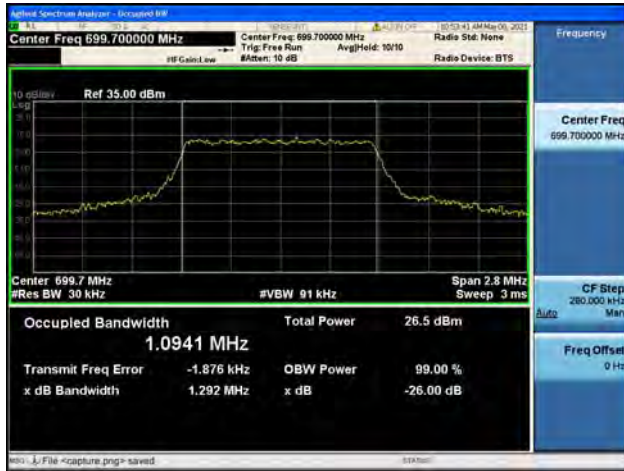


Band7 / 20MHz / High CH / 64QAM

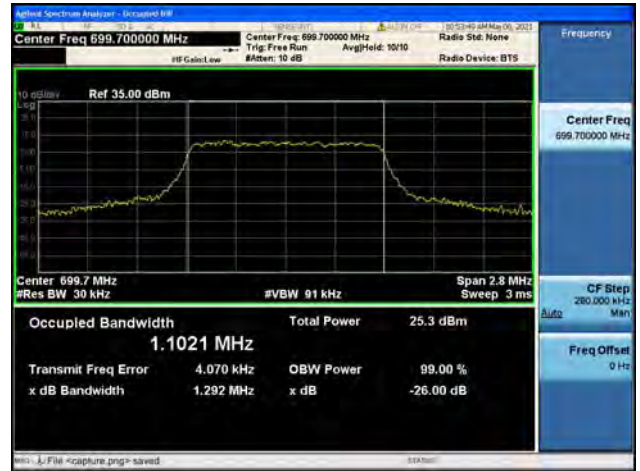




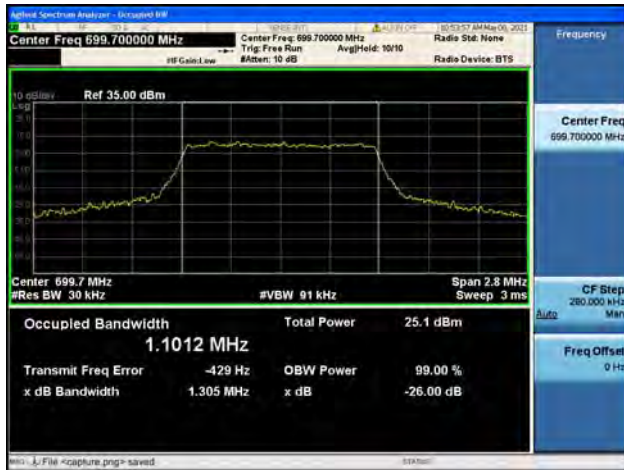
Band12 / 1.4MHz / Low CH / QPSK



Band12 / 1.4MHz / Low CH / 16QAM



Band12 / 1.4MHz / Low CH / 64QAM



Band12 / 1.4MHz / Mid CH / QPSK



Band12 / 1.4MHz / Mid CH / 16QAM



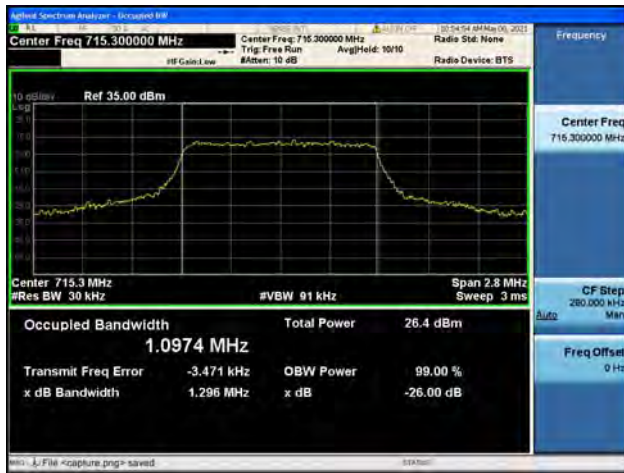
Band12 / 1.4MHz / Mid CH / 64QAM



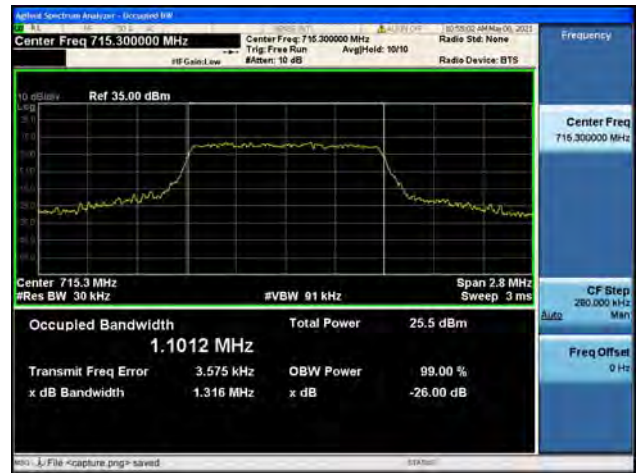




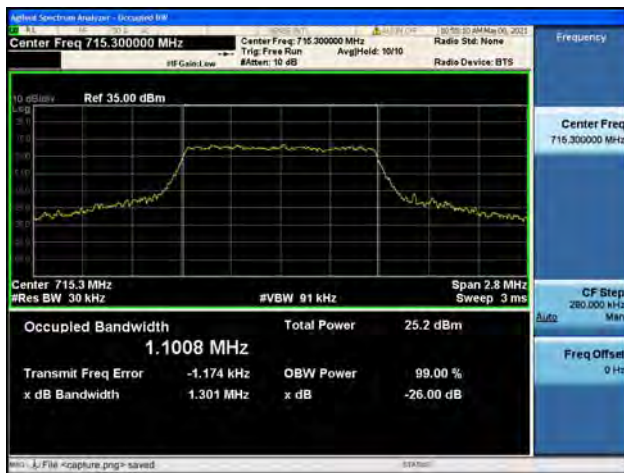
Band12 / 1.4MHz / High CH / QPSK



Band12 / 1.4MHz / High CH / 16QAM



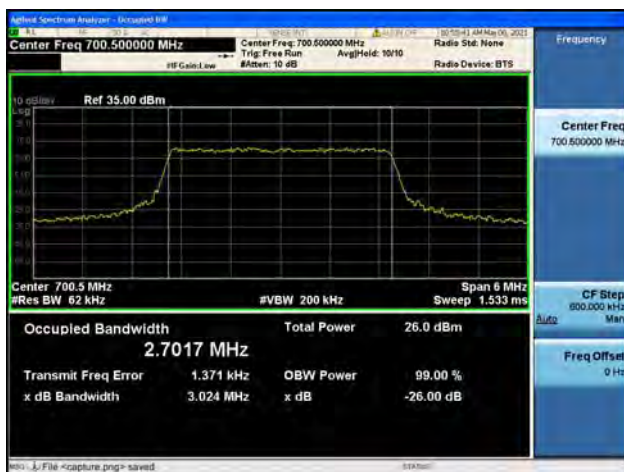
Band12 / 1.4MHz / High CH / 64QAM



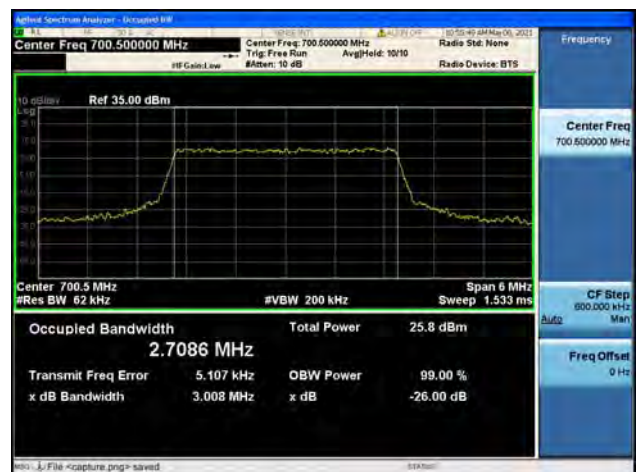
Band12 / 3MHz / Low CH / QPSK



Band12 / 3MHz / Low CH / 16QAM

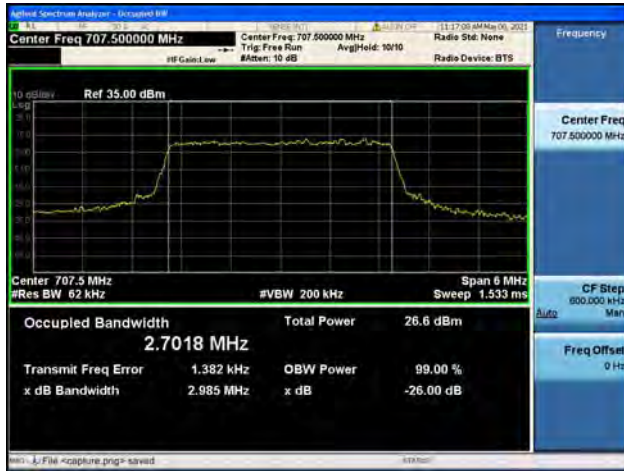


Band12 / 3MHz / Low CH / 64QAM





Band12 / 3MHz / Mid CH / QPSK



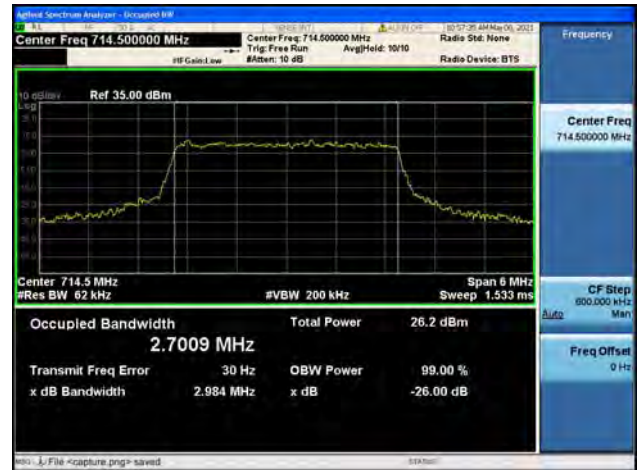
Band12 / 3MHz / Mid CH / 16QAM



Band12 / 3MHz / Mid CH / 64QAM



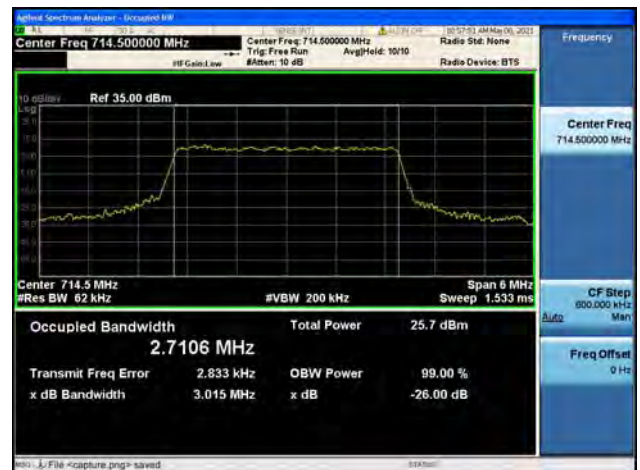
Band12 / 3MHz / High CH / QPSK



Band12 / 3MHz / High CH / 16QAM

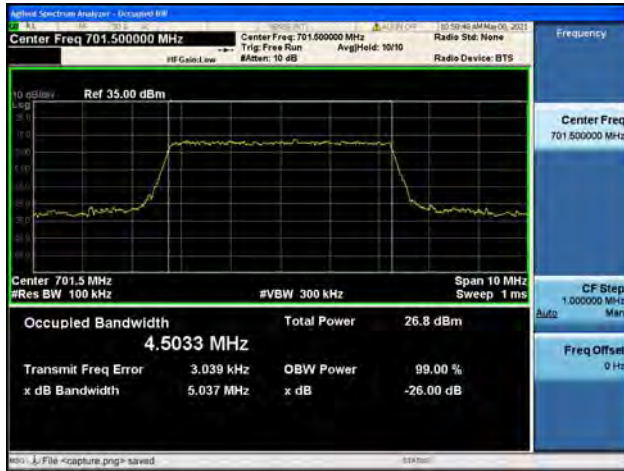


Band12 / 3MHz / High CH / 64QAM





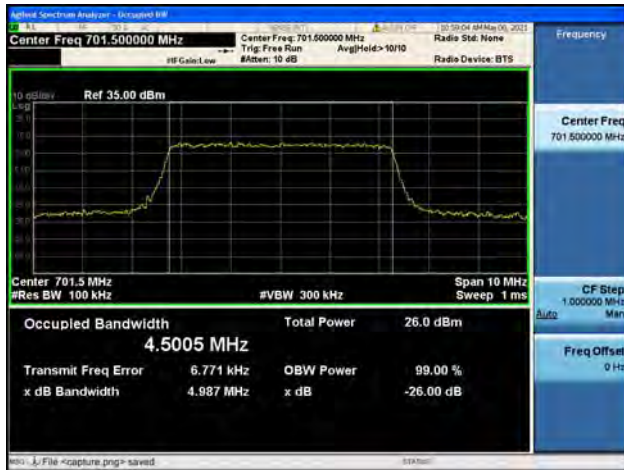
Band12 / 5MHz / Low CH / QPSK



Band12 / 5MHz / Low CH / 16QAM



Band12 / 5MHz / Low CH / 64QAM



Band12 / 5MHz / Mid CH / QPSK



Band12 / 5MHz / Mid CH / 16QAM

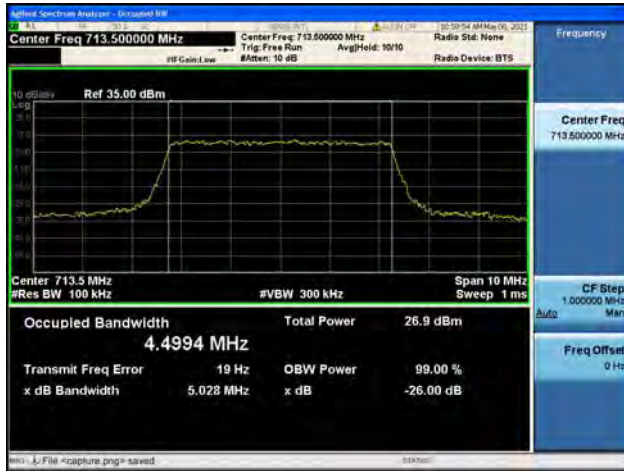


Band12 / 5MHz / Mid CH / 64QAM

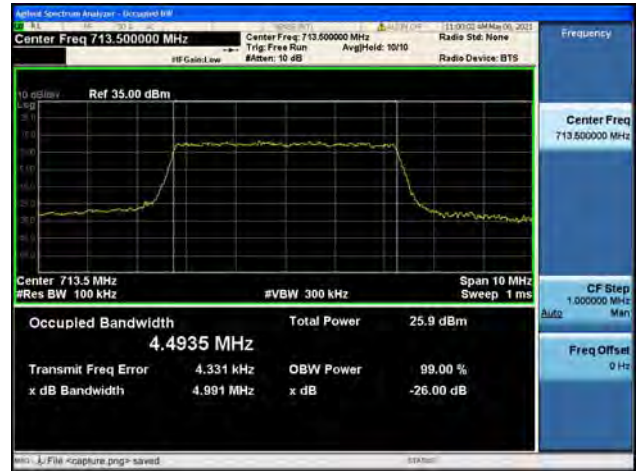




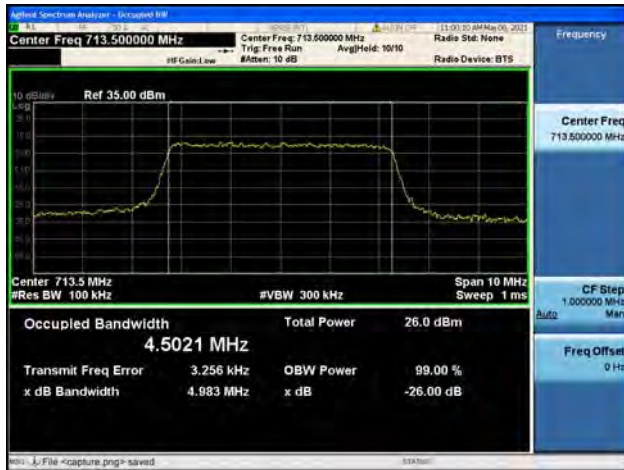
Band12 / 5MHz / High CH / QPSK



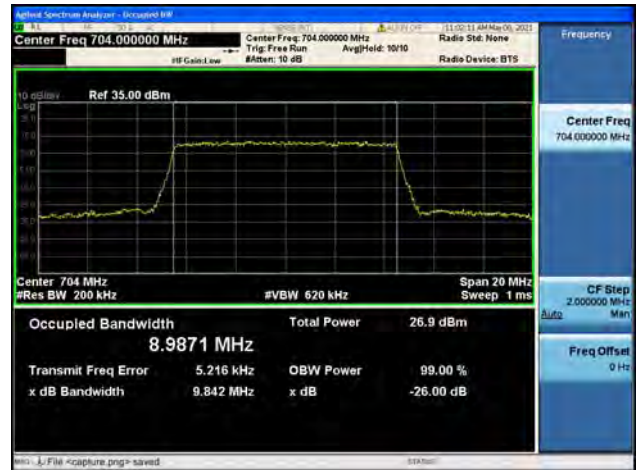
Band12 / 5MHz / High CH / 16QAM



Band12 / 5MHz / High CH / 64QAM



Band12 / 10MHz / Low CH / QPSK



Band12 / 10MHz / Low CH / 16QAM

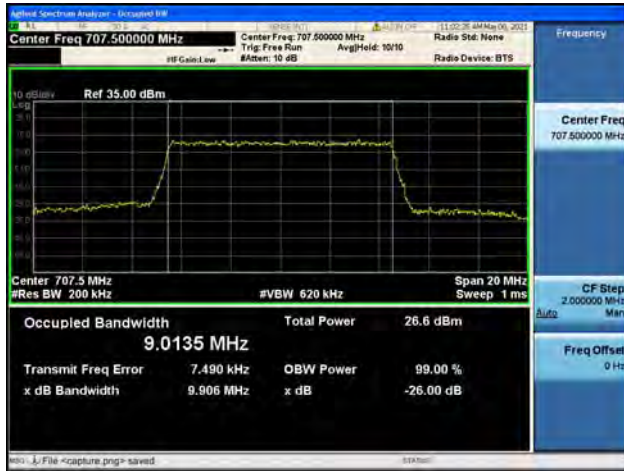


Band12 / 10MHz / Low CH / 64QAM

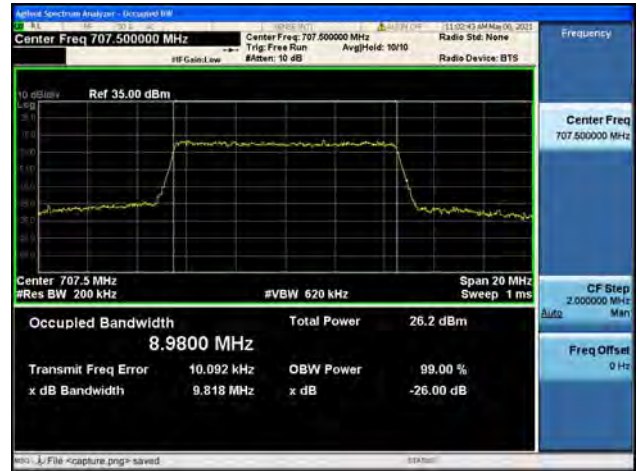




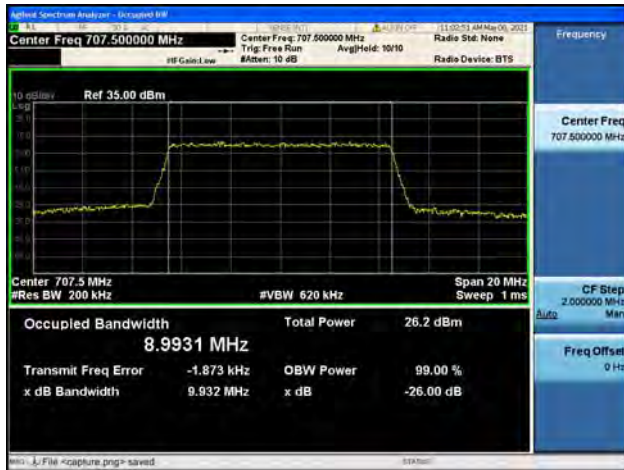
Band12 / 10MHz / Mid CH / QPSK



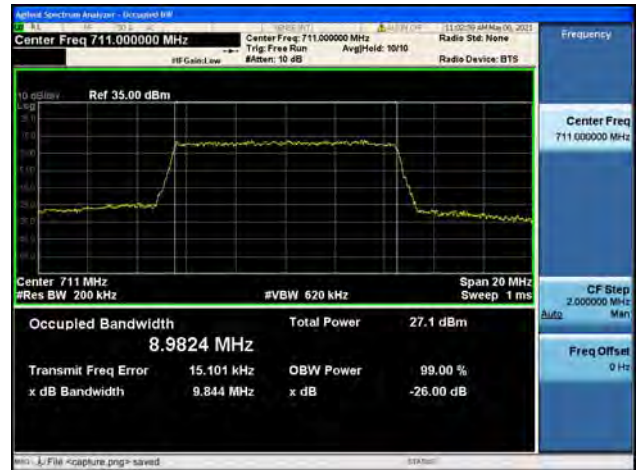
Band12 / 10MHz / Mid CH / 16QAM



Band12 / 10MHz / Mid CH / 64QAM



Band12 / 10MHz / High CH / QPSK



Band12 / 10MHz / High CH / 16QAM

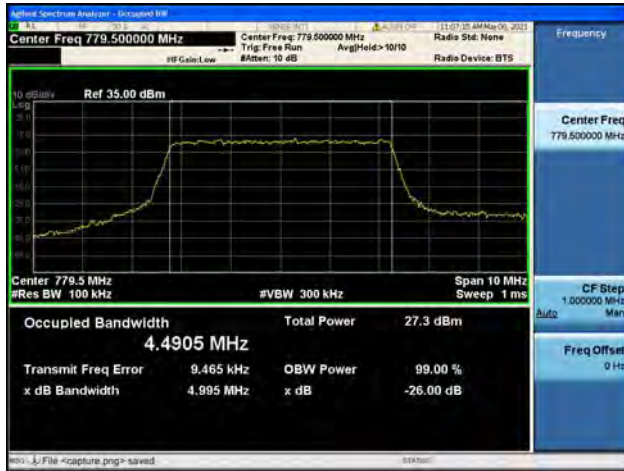


Band12 / 10MHz / High CH / 64QAM





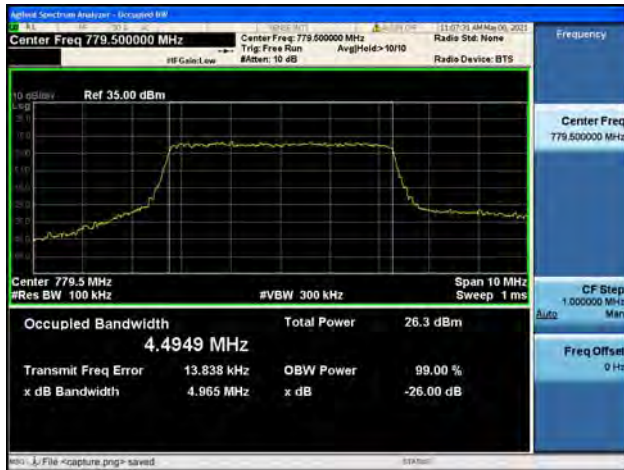
Band13 / 5MHz / Low CH / QPSK



Band13 / 5MHz / Low CH / 16QAM



Band13 / 5MHz / Low CH / 64QAM



Band13 / 5MHz / Mid CH / QPSK



Band13 / 5MHz / Mid CH / 16QAM

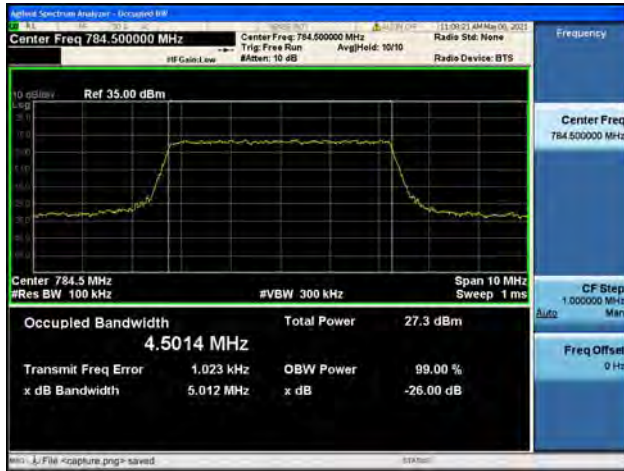


Band13 / 5MHz / Mid CH / 64QAM





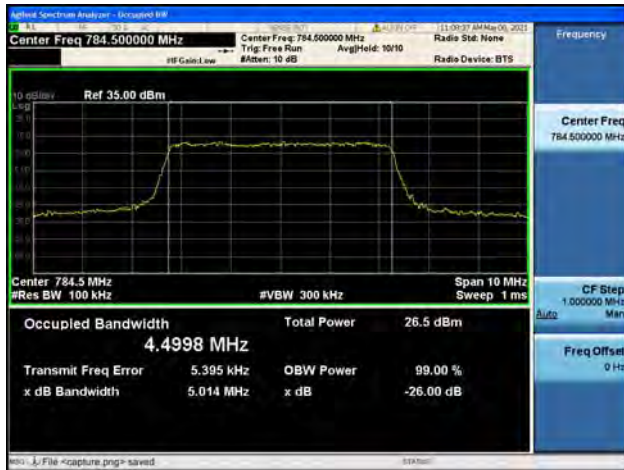
Band13 / 5MHz / High CH / QPSK



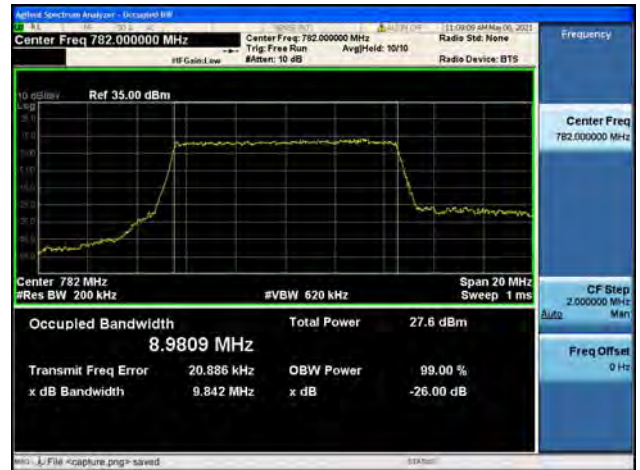
Band13 / 5MHz / High CH / 16QAM



Band13 / 5MHz / High CH / 64QAM



Band13 / 10MHz / Mid CH / QPSK

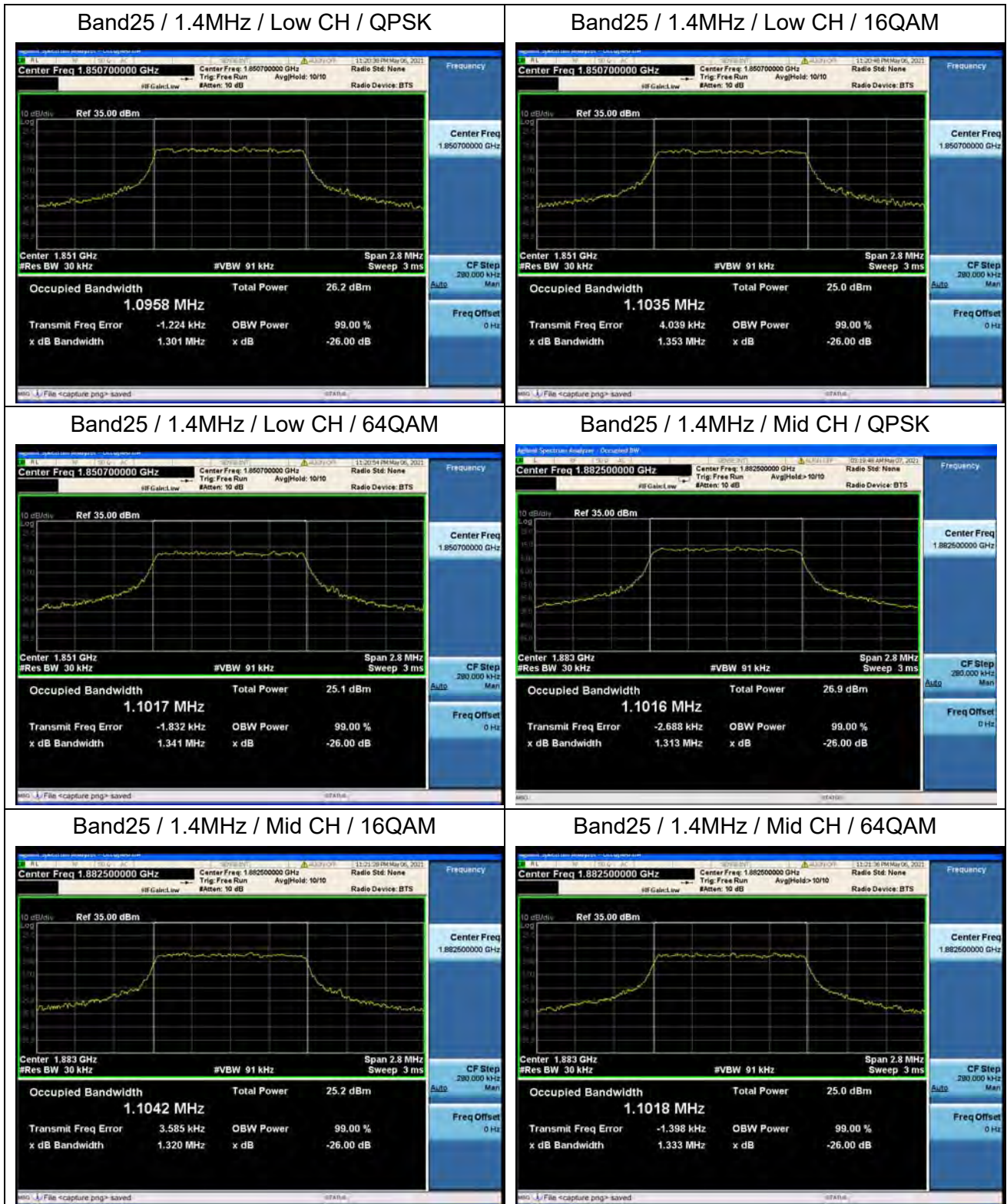


Band13 / 10MHz / Mid CH / 16QAM



Band13 / 10MHz / Mid CH / 64QAM

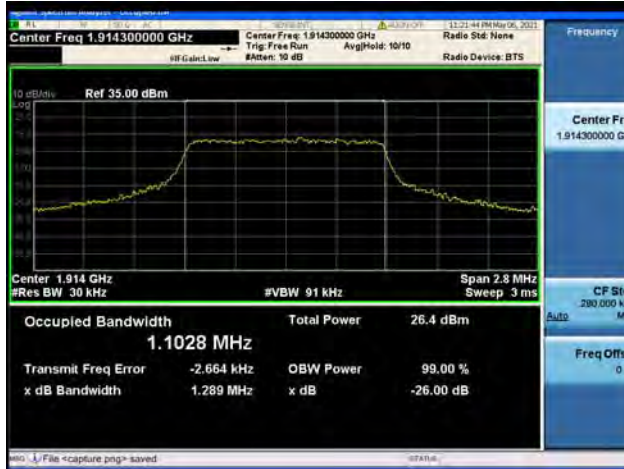




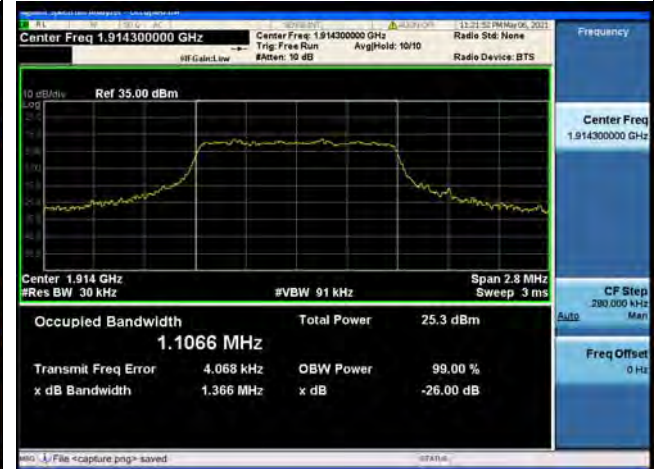




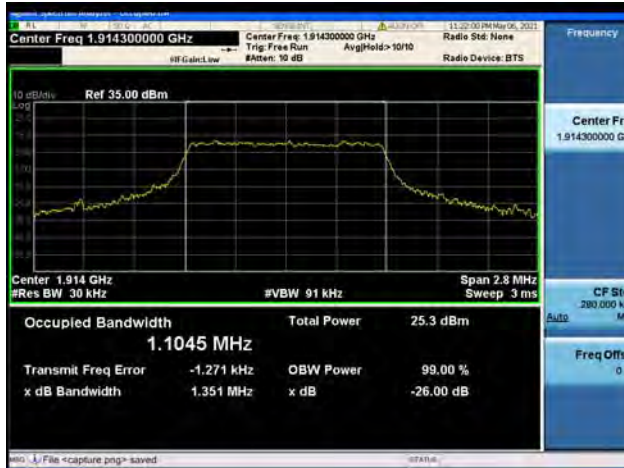
Band25 / 1.4MHz / High CH / QPSK



Band25 / 1.4MHz / High CH / 16QAM



Band25 / 1.4MHz / High CH / 64QAM



Band25 / 3MHz / Low CH / QPSK



Band25 / 3MHz / Low CH / 16QAM



Band25 / 3MHz / Low CH / 64QAM





Band25 / 3MHz / Mid CH / QPSK



Band25 / 3MHz / Mid CH / 16QAM



Band25 / 3MHz / Mid CH / 64QAM



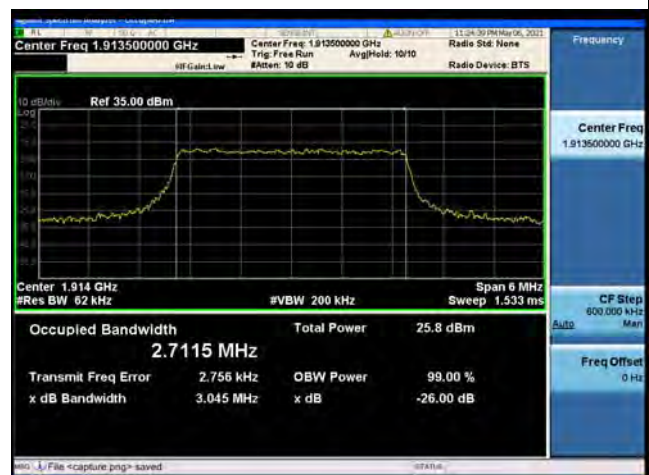
Band25 / 3MHz / High CH / QPSK

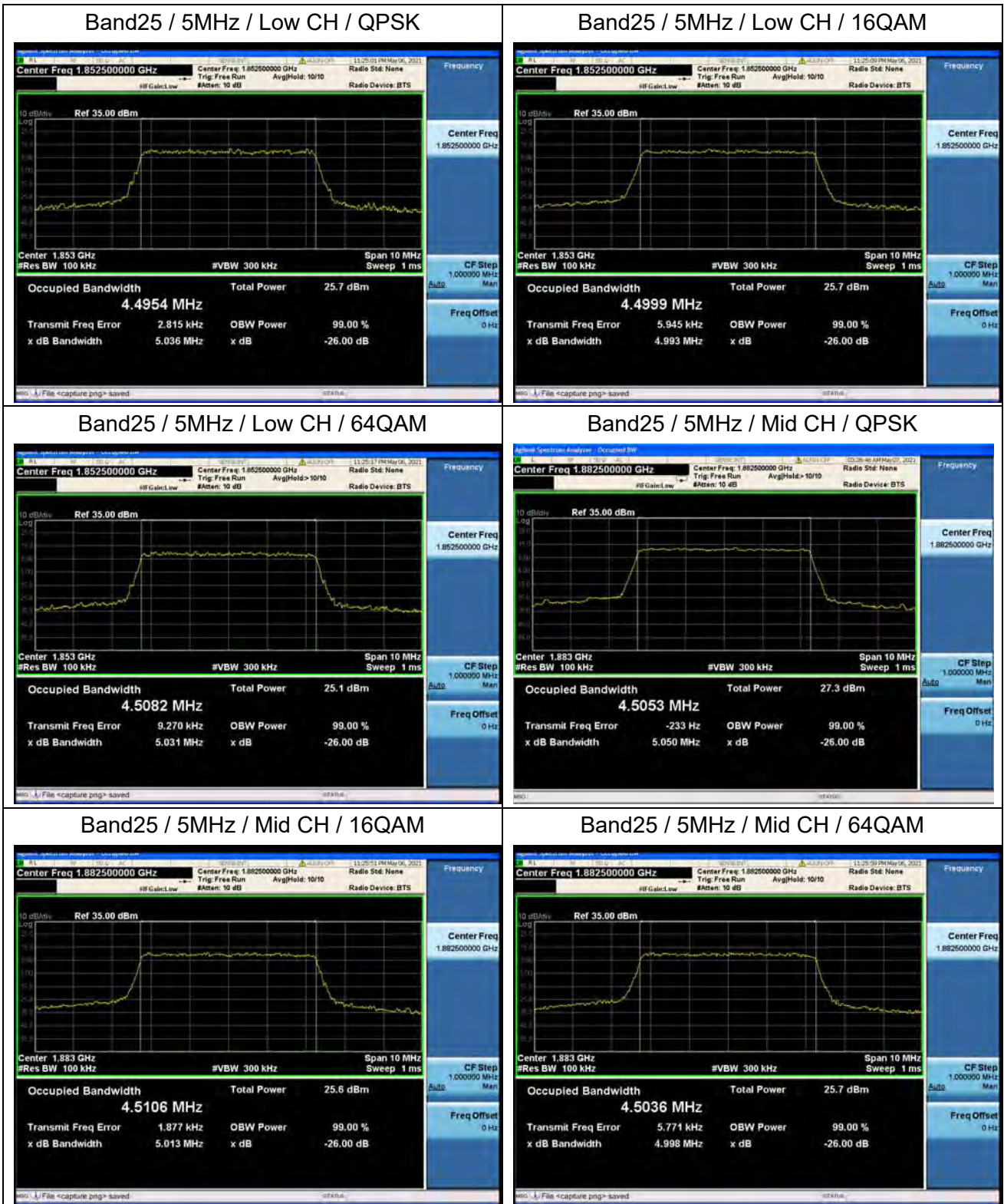


Band25 / 3MHz / High CH / 16QAM



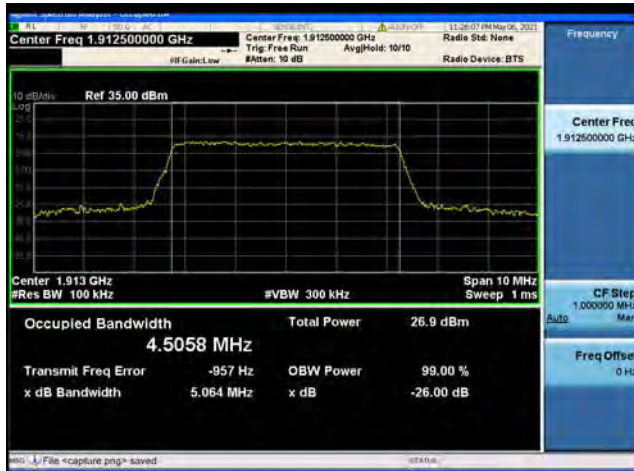
Band25 / 3MHz / High CH / 64QAM







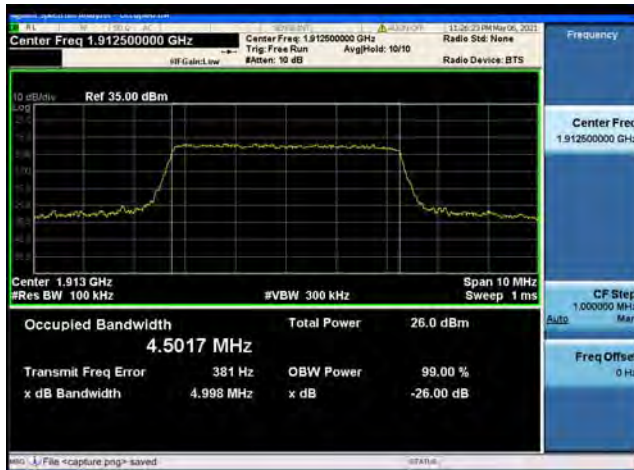
Band25 / 5MHz / High CH / QPSK



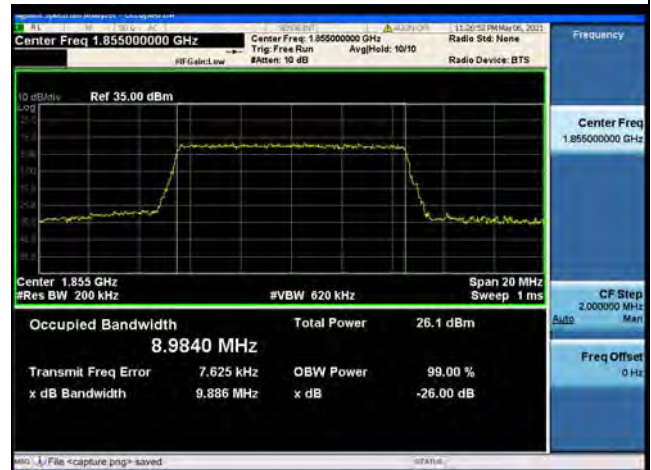
Band25 / 5MHz / High CH / 16QAM



Band25 / 5MHz / High CH / 64QAM



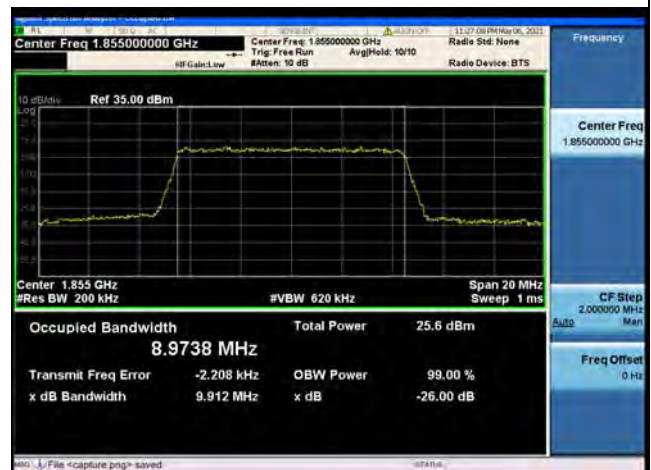
Band25 / 10MHz / Low CH / QPSK



Band25 / 10MHz / Low CH / 16QAM

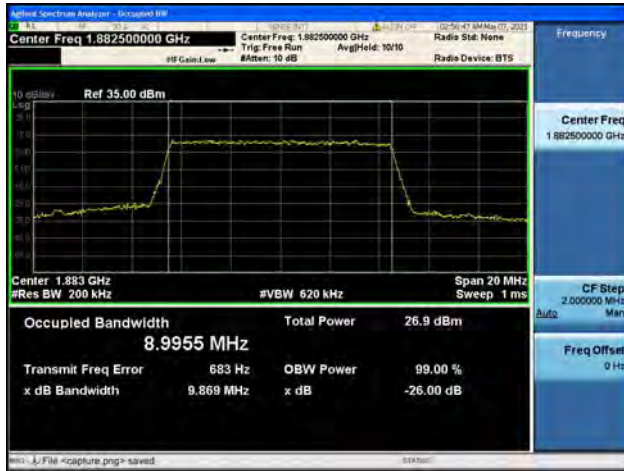


Band25 / 10MHz / Low CH / 64QAM





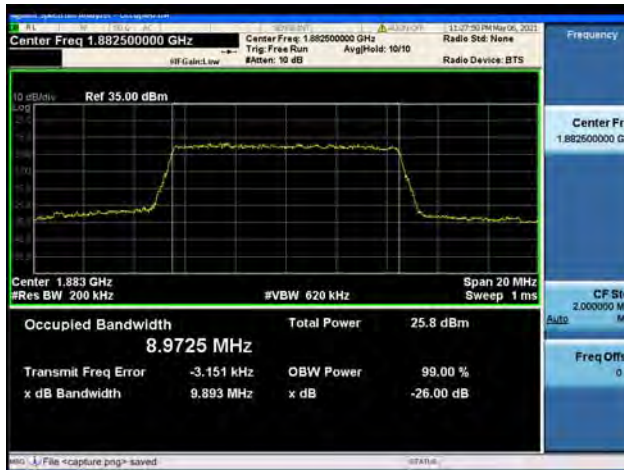
Band25 / 10MHz / Mid CH / QPSK



Band25 / 10MHz / Mid CH / 16QAM



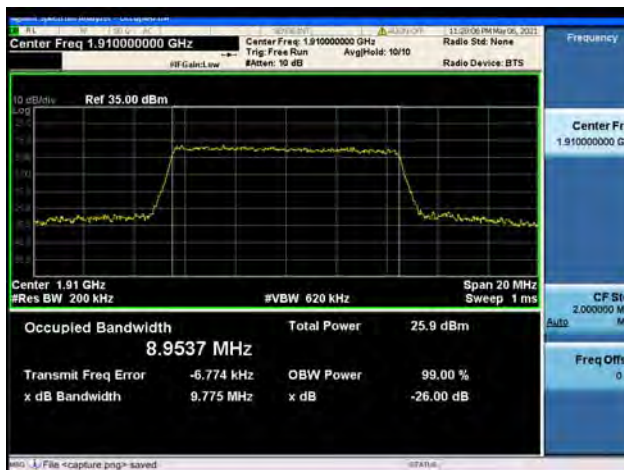
Band25 / 10MHz / Mid CH / 64QAM



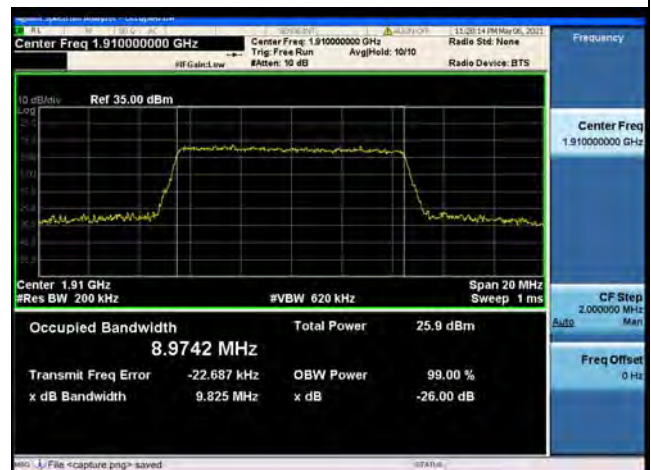
Band25 / 10MHz / High CH / QPSK

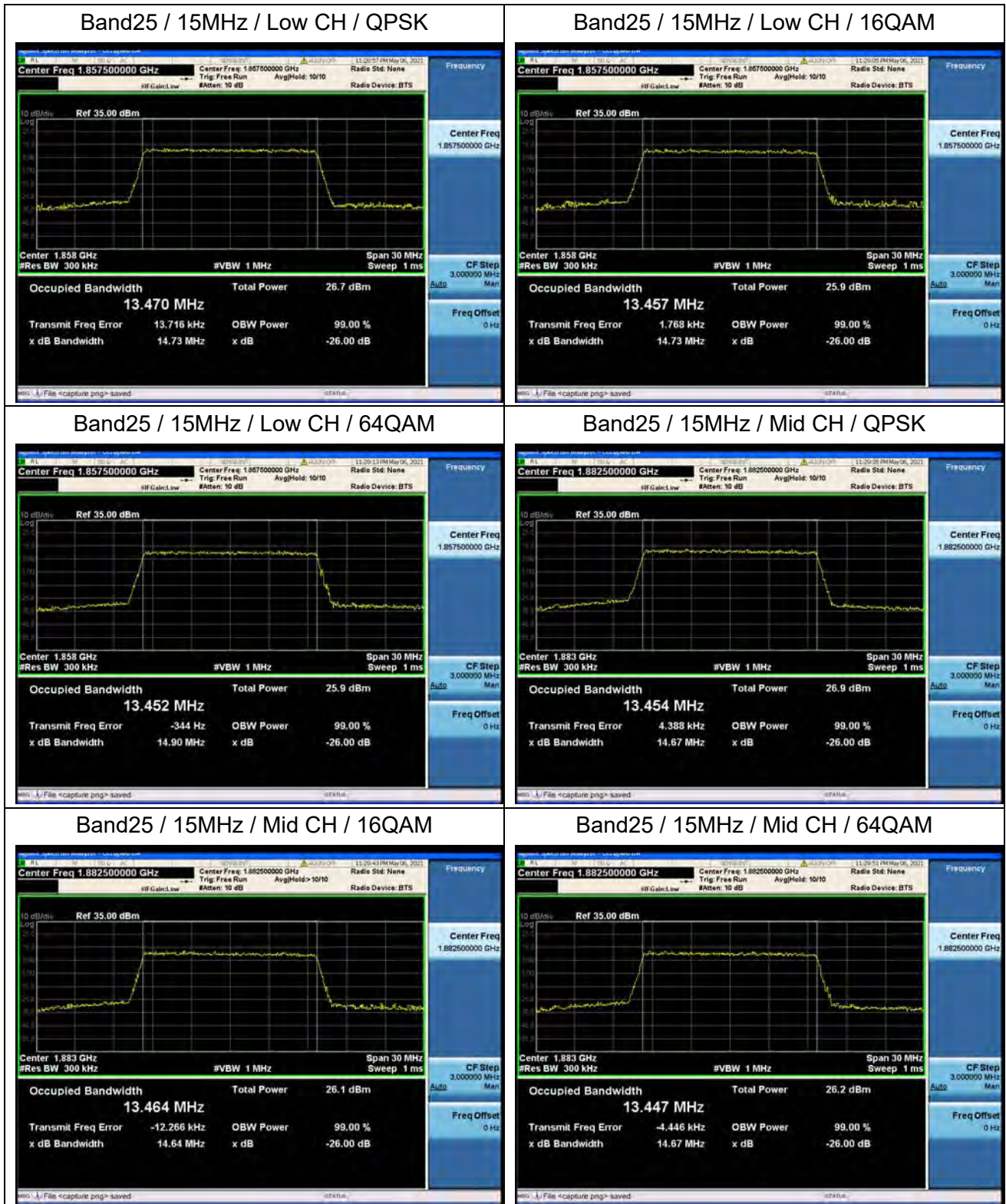


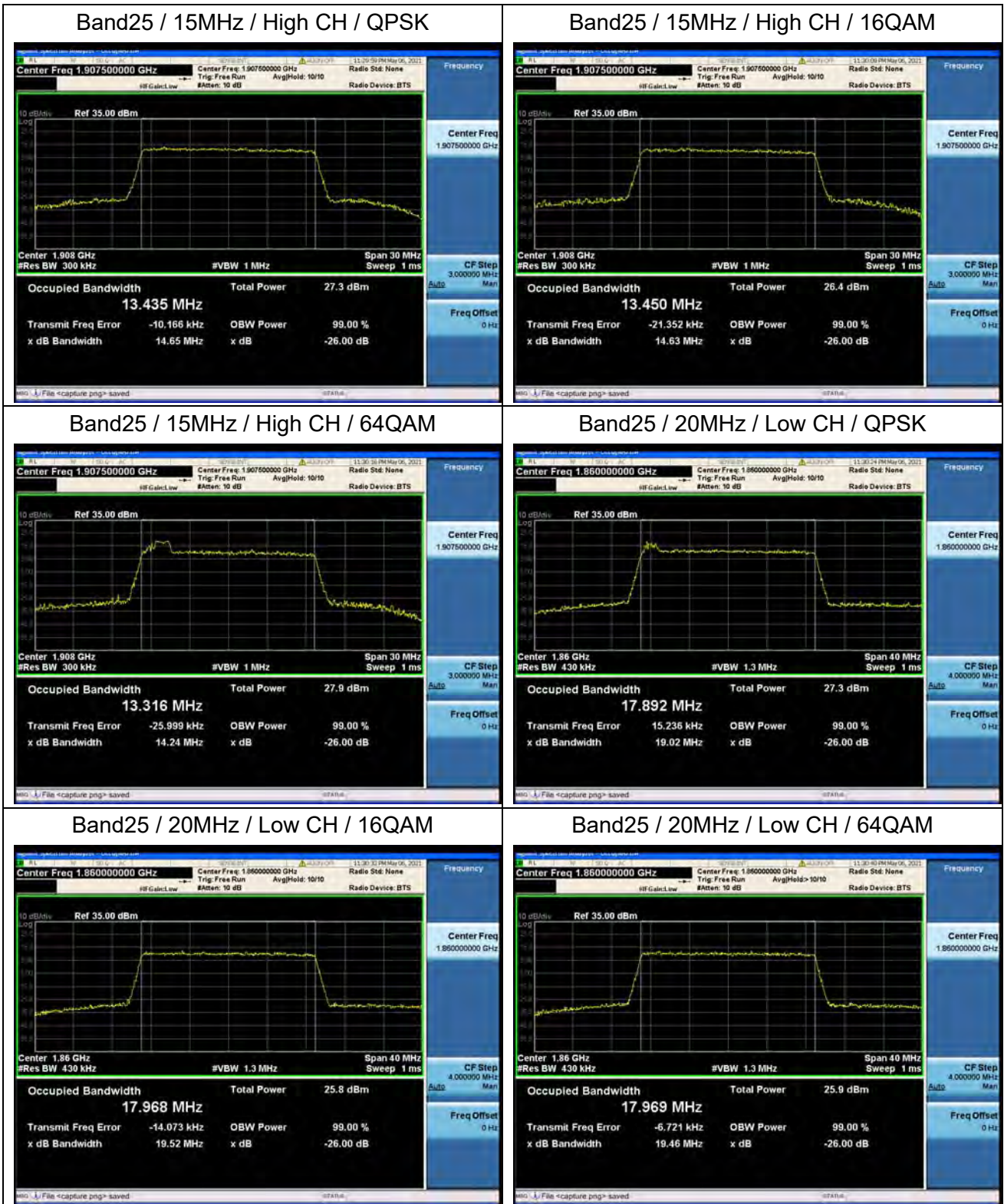
Band25 / 10MHz / High CH / 16QAM



Band25 / 10MHz / High CH / 64QAM









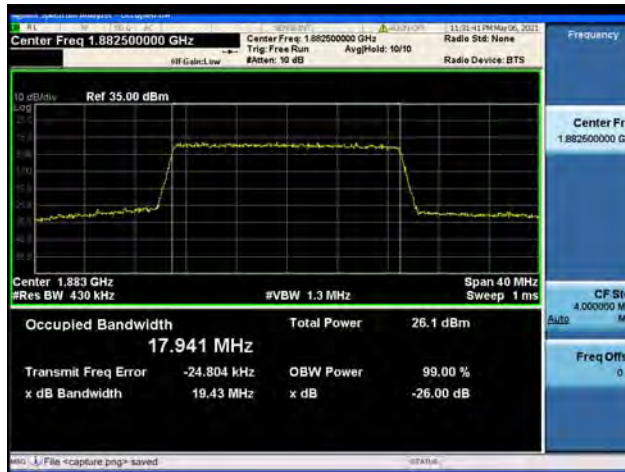
Band25 / 20MHz / Mid CH / QPSK



Band25 / 20MHz / Mid CH / 16QAM



Band25 / 20MHz / Mid CH / 64QAM



Band25 / 20MHz / High CH / QPSK



Band25 / 20MHz / High CH / 16QAM



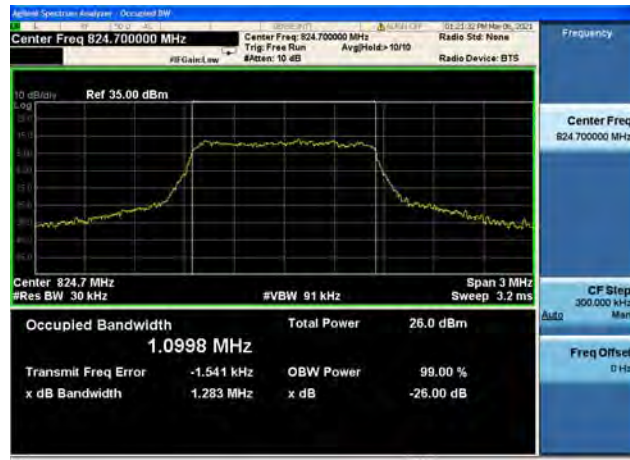
Band25 / 20MHz / High CH / 64QAM







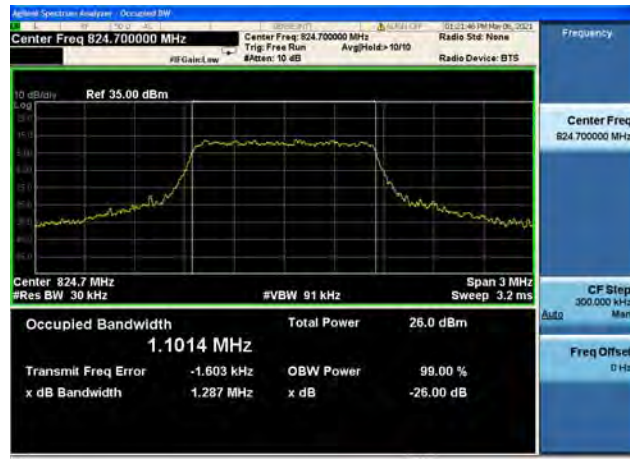
Band26 / 1.4MHz / Low CH / QPSK



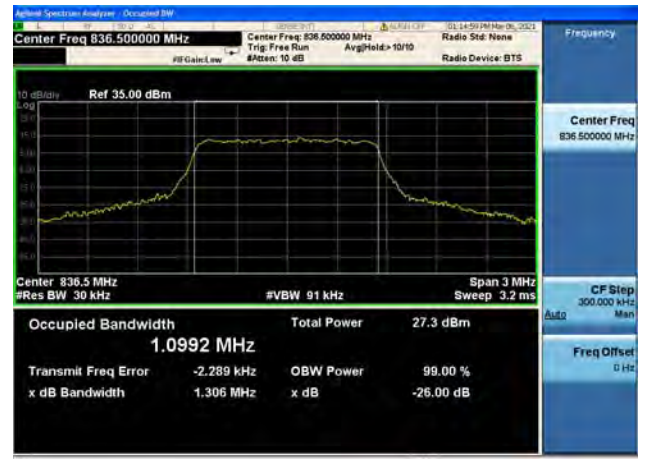
Band26 / 1.4MHz / Low CH / 16QAM



Band26 / 1.4MHz / Low CH / 64QAM



Band26 / 1.4MHz / Mid CH / QPSK



Band26 / 1.4MHz / Mid CH / 16QAM



Band26 / 1.4MHz / Mid CH / 64QAM

