



# TEST REPORT

**APPLICANT** : Shenzhen Chainway Information  
Technology Co., Ltd

**PRODUCT NAME** : Mobile Data Terminal

**MODEL NAME** : C5

**BRAND NAME** : CHAINWAY

**FCC ID** : 2AC6AC5P

**STANDARD(S)** : 47 CFR Part 2  
47 CFR Part 22, Subpart H  
47 CFR Part 24, Subpart E  
47 CFR Part 27, Subpart D&H&L&M

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Change History		
Version	Date	Reason for change
1.0	2023-07-31	First edition



# 1. Technical Information

**Note:** Provide by applicant.

## 1.1. Applicant and Manufacturer Information

<b>Applicant:</b>	Shenzhen Chainway Information Technology Co., Ltd
<b>Applicant Address:</b>	9F Building 2, Daqian Industrial Park, District 67, XingDong Community, Xin'an Street, Bao'an District, Shenzhen, Guangdong, China
<b>Manufacturer:</b>	Shenzhen Chainway Information Technology Co., Ltd
<b>Manufacturer Address:</b>	9F Building 2, Daqian Industrial Park, District 67, XingDong Community, Xin'an Street, Bao'an District, Shenzhen, Guangdong, China

## 1.2. Equipment Under Test (EUT) Description

<b>Product Name:</b>	Mobile Data Terminal	
<b>Sample No.:</b>	13#	
<b>Hardware Version:</b>	C5_03	
<b>Software Version:</b>	C5P.GL.A2.HB.FHD.GIT428573e93da.2022102114.V1.03.05	
<b>Modulation Type:</b>	QPSK, 16QAM, 64QAM	
<b>Operation Band:</b>	Band 2 / 4 / 5 / 7 / 12 / 17 / 38 / 40 / 41	
<b>Frequency Range:</b>	LTE Band 2	Tx: 1850MHz–1910MHz
		Rx: 1930MHz–1990MHz
	LTE Band 4	Tx: 1710MHz–1755MHz
		Rx: 2110MHz–2155MHz
	LTE Band 5	Tx: 824MHz–849MHz
		Rx: 869MHz–894MHz
	LTE Band 7	Tx: 2500MHz–2570MHz
		Rx: 2620MHz–2690MHz
	LTE Band 12	Tx: 699MHz - 716MHz
		Rx: 729MHz – 746MHz
	LTE Band 17	Tx: 704MHz - 716MHz
		Rx: 734MHz – 746MHz



<b>Frequency Range:</b>	LTE Band 38	Tx: 2570MHz–2620MHz
		Rx: 2570MHz–2620MHz
	LTE Band 40 Block A	Tx: 2305MHz–2315MHz
		Rx: 2305MHz–2315MHz
	LTE Band 40 Block B	Tx: 2350MHz–2360MHz
Rx: 2350MHz–2360MHz		
LTE Band 41	Tx: 2496MHz –2690MHz	
	Rx: 2496MHz –2690MHz	
<b>Channel Bandwidth:</b>	LTE Band 2	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 4	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 5	1.4MHz, 3MHz, 5MHz, 10MHz
	LTE Band 7	5 MHz, 10MHz, 15MHz, 20MHz
	LTE Band 12	1.4MHz, 3 MHz, 5 MHz, 10MHz
	LTE Band 17	5 MHz, 10MHz
	LTE Band 38	5 MHz, 10MHz, 15MHz, 20MHz
	LTE Band 40	5 MHz, 10MHz
	LTE Band 41	5 MHz, 10MHz, 15MHz, 20MHz
<b>Antenna Type:</b>	PIFA Antenna	
<b>Frequency Range:</b>	LTE Band 2	-0.15dBi
	LTE Band 4	-0.96dBi
	LTE Band 5	-2.37dBi
	LTE Band 7	-0.58dBi
	LTE Band 12	-3.60dBi
	LTE Band 17	-3.60dBi
	LTE Band 38	-0.01dBi
	LTE Band 40	0.80dBi
	LTE Band 41	0.28dBi
<b>Accessory Information:</b>	Battery	
	Brand Name:	Chainway
	Model No.:	C5
	Serial No.:	N/A
	Capacity:	6300mAh
	Rated Voltage:	3.6V
	Charge Limit:	4.2V
	Manufacturer:	DONGGUAN BOB ELECTRONICS CO.,LTD



<b>Accessory Information:</b>	Battery 2	
	Brand Name:	ZOUYOU
	Model No.:	501030
	Serial No.:	N/A
	Capacity:	100mAh
	Rated Voltage:	3.7V
	Charge Limit:	4.2V
	Manufacturer:	Shenzhen Zonyou Power Co., Ltd.
	AC Adapter	
	Brand Name:	ULLPOWER
	Model No.:	NA010050020
	Serial No.:	N/A
	Rated Output:	5V=2A
	Rated Input:	100-240V~50/60Hz, 0.5A
	Manufacturer:	Shenzhen Shi Yingyuan Electronics Co., Ltd
	USB Cable	
	Model No.:	1.8.17.095
	Manufacturer:	King Power Electronics Co., Ltd.

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

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

<b>LTE Band 2</b>	<b>Maximum E.R.P./E.I.R.P. (W)</b>			<b>Emission Designator (99%OBW)</b>		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.197	0.161	0.130	18M0G7D	18M0W7D	18M0W7D
15	0.192	0.158	0.127	13M5G7D	13M5W7D	13M5W7D
10	0.187	0.153	0.123	9M01G7D	8M99W7D	9M00W7D
5	0.182	0.149	0.120	4M50G7D	4M51W7D	4M50W7D
3	0.178	0.146	0.117	2M69G7D	2M69W7D	2M70W7D
1.4	0.176	0.145	0.116	1M09G7D	1M10W7D	1M10W7D
<b>LTE Band 4</b>	<b>Maximum E.R.P./E.I.R.P. (W)</b>			<b>Emission Designator (99%OBW)</b>		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.163	0.138	0.108	18M0G7D	18M0W7D	18M0W7D
15	0.158	0.134	0.105	13M5G7D	13M5W7D	13M5W7D
10	0.154	0.130	0.103	9M01G7D	8M98W7D	8M99W7D
5	0.151	0.128	0.100	4M50G7D	4M51W7D	4M50W7D
3	0.148	0.125	0.098	2M69G7D	2M70W7D	2M70W7D
1.4	0.146	0.124	0.097	1M10G7D	1M10W7D	1M10W7D
<b>LTE Band 5</b>	<b>Maximum E.R.P./E.I.R.P. (W)</b>			<b>Emission Designator (99%OBW)</b>		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10	0.081	0.067	0.052	9M01G7D	8M97W7D	8M99W7D
5	0.079	0.065	0.051	4M51G7D	4M51W7D	4M51W7D
3	0.077	0.064	0.050	2M69G7D	2M70W7D	2M70W7D
1.4	0.076	0.062	0.049	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	0.178	0.149	0.119	18M0G7D	18M0W7D	18M0W7D
15	0.176	0.148	0.117	13M5G7D	13M5W7D	13M5W7D
10	0.174	0.146	0.116	9M01G7D	8M98W7D	8M98W7D
5	0.172	0.144	0.115	4M50G7D	4M50W7D	4M51W7D
<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	0.057	0.048	0.038	9M03G7D	9M00W7D	9M03W7D
5	0.056	0.047	0.037	4M52G7D	4M53W7D	4M54W7D
3	0.054	0.046	0.037	2M69G7D	2M69W7D	2M70W7D
1.4	0.054	0.045	0.035	1M09G7D	1M10W7D	1M10W7D



<b>LTE Band 17</b>	<b>Maximum E.R.P./E.I.R.P. (W)</b>			<b>Emission Designator (99%OBW)</b>		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10	0.060	0.047	0.038	9M00G7D	8M97W7D	8M99W7D
5	0.059	0.046	0.037	4M52G7D	4M52W7D	4M53W7D
<b>LTE Band 38</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	0.226	0.186	0.149	18M0G7D	18M0W7D	18M0W7D
15	0.221	0.182	0.146	13M5G7D	13M5W7D	13M5W7D
10	0.217	0.178	0.143	8M98G7D	8M99W7D	8M99W7D
5	0.212	0.175	0.140	4M50G7D	4M51W7D	4M52W7D
<b>LTE Band 40 Block A</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	0.275	0.210	0.178	8M99G7D	8M98W7D	9M00W7D
5	0.249	0.214	0.169	4M52G7D	4M52W7D	4M53W7D
<b>LTE Band 40 Block B</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	0.274	0.207	0.170	9M02G7D	9M00W7D	8M99W7D
5	0.247	0.206	0.163	4M52G7D	4M52W7D	4M52W7D
<b>LTE Band 41</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	0.248	0.197	0.156	18M0G7D	18M0W7D	18M0W7D
15	0.242	0.192	0.152	13M5G7D	13M5W7D	13M5W7D
10	0.237	0.188	0.149	8M99G7D	8M99W7D	9M00W7D
5	0.233	0.185	0.146	4M50G7D	4M51W7D	4M51W7D



## 1.4. Test Standards and Results

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

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

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

Section	Description	Test Date	Test Engineer	Result	Method Determination /Remark
2.1046 22.913(a)(2) 24.232(c) 27.50(a)(3) 27.50(c)(10) 27.50(d)(4) 27.50(h)(2)	Transmitter Conducted Output Power and E.R.P./E.I.R.P.	Feb. 23, 2023	Chen Hao Li Huaijie	PASS	No deviation
2.1049	Occupied Bandwidth	Feb. 23, 2023	Li Huaijie	PASS	No deviation
2.1055 22.355 24.235 27.54	Frequency Stability	Feb. 23, 2023	Li Huaijie	PASS	No deviation
24.232(d), 27.50(d)(5)	Peak to Average Radio	Feb. 23, 2023	Li Huaijie	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(a)(4) 27.53(g) 27.53(h) 27.53(m)(4)	Conducted Spurious Emissions	Feb. 23, 2023	Li Huaijie	PASS	No deviation
2.1051 22.917(a)	Band Edge	Feb. 23, 2023	Li Huaijie	PASS	No deviation





24.238(a) 27.53(a)(4) 27.53(g) 27.53(h) 27.53(m)(4)					
2.1053 22.917(a) 24.238(a) 27.53(a)(4) 27.53(g) 27.53(h) 27.53(m)(4)	Radiated Spurious Emissions	Mar. 14, 2023	Su Zhan	PASS	No deviation

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

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

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

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

### 1.5. Environmental Conditions

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

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



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

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

#### **2.1.1. Requirement**

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

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

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

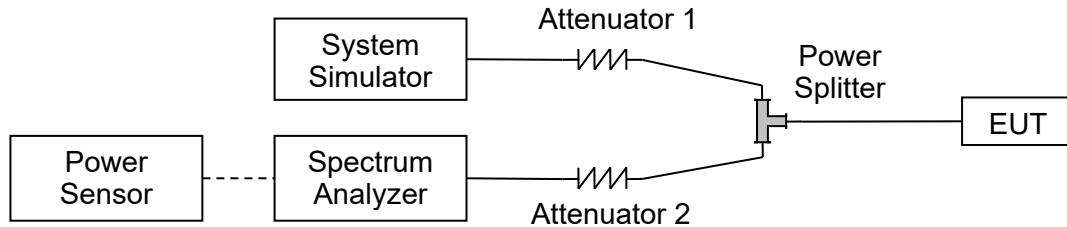
According to FCC section 22.913 (a)(2) for LTE Band 5, the E.R.P. of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

According to FCC section 27.50 (h)(2) for LTE Band 7/38/41, 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 (c)(10) for LTE Band 12/17, Portable stations (hand-held devices) operating in the 704-716MHz band are limited to 3watts E.R.P.

According to FCC section 27.50 (a)(3) for LTE Band 40, For 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 mill watts 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	23.00	23.09	22.96
20	QPSK	1	49	22.93	23.03	22.96
20	QPSK	1	99	23.00	22.92	23.01
20	QPSK	50	0	22.16	22.18	22.11
20	QPSK	50	24	22.01	22.14	22.01
20	QPSK	50	50	22.10	22.09	22.13
20	QPSK	100	0	22.05	22.06	22.07
20	16QAM	1	0	22.07	22.23	21.96
20	16QAM	1	49	22.07	22.22	22.07
20	16QAM	1	99	22.00	22.05	22.04
20	16QAM	50	0	21.11	21.23	21.16
20	16QAM	50	24	21.09	21.04	21.03
20	16QAM	50	50	21.04	21.03	21.06
20	16QAM	100	0	21.04	21.06	21.08
20	64QAM	1	0	21.07	21.28	21.15
20	64QAM	1	49	21.10	21.17	20.97
20	64QAM	1	99	21.00	21.01	21.04
20	64QAM	50	0	20.20	20.25	20.16
20	64QAM	50	24	20.07	20.14	20.04
20	64QAM	50	50	20.11	20.06	20.08
20	64QAM	100	0	20.10	20.13	20.09



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	22.90	22.99	22.86
15	QPSK	1	37	22.83	22.93	22.86
15	QPSK	1	74	22.90	22.82	22.91
15	QPSK	36	0	22.06	22.08	22.01
15	QPSK	36	20	21.91	22.04	21.91
15	QPSK	36	39	22.00	21.99	22.03
15	QPSK	75	0	21.95	21.96	21.97
15	16QAM	1	0	21.97	22.13	21.86
15	16QAM	1	37	21.97	22.12	21.97
15	16QAM	1	74	21.90	21.95	21.94
15	16QAM	36	0	21.01	21.13	21.06
15	16QAM	36	20	20.99	20.94	20.93
15	16QAM	36	39	20.94	20.93	20.96
15	16QAM	75	0	20.94	20.96	20.98
15	64QAM	1	0	20.97	21.18	21.05
15	64QAM	1	37	21.00	21.07	20.87
15	64QAM	1	74	20.90	20.91	20.94
15	64QAM	36	0	20.10	20.15	20.06
15	64QAM	36	20	19.97	20.04	19.94
15	64QAM	36	39	20.01	19.96	19.98
15	64QAM	75	0	20.00	20.03	19.99



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	22.78	22.87	22.74
10	QPSK	1	25	22.71	22.81	22.74
10	QPSK	1	49	22.78	22.70	22.79
10	QPSK	25	0	21.94	21.96	21.89
10	QPSK	25	12	21.79	21.92	21.79
10	QPSK	25	25	21.88	21.87	21.91
10	QPSK	50	0	21.83	21.84	21.85
10	16QAM	1	0	21.85	22.01	21.74
10	16QAM	1	25	21.85	22.00	21.85
10	16QAM	1	49	21.78	21.83	21.82
10	16QAM	25	0	20.89	21.01	20.94
10	16QAM	25	12	20.87	20.82	20.81
10	16QAM	25	25	20.82	20.81	20.84
10	16QAM	50	0	20.82	20.84	20.86
10	64QAM	1	0	20.85	21.06	20.93
10	64QAM	1	25	20.88	20.95	20.75
10	64QAM	1	49	20.78	20.79	20.82
10	64QAM	25	0	19.98	20.03	19.94
10	64QAM	25	12	19.85	19.92	19.82
10	64QAM	25	25	19.89	19.84	19.86
10	64QAM	50	0	19.88	19.91	19.87



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	22.66	22.75	22.62
5	QPSK	1	12	22.59	22.69	22.62
5	QPSK	1	24	22.66	22.58	22.67
5	QPSK	12	0	21.82	21.84	21.77
5	QPSK	12	7	21.67	21.80	21.67
5	QPSK	12	13	21.76	21.75	21.79
5	QPSK	25	0	21.71	21.72	21.73
5	16QAM	1	0	21.73	21.89	21.62
5	16QAM	1	12	21.73	21.88	21.73
5	16QAM	1	24	21.66	21.71	21.70
5	16QAM	12	0	20.77	20.89	20.82
5	16QAM	12	7	20.75	20.70	20.69
5	16QAM	12	13	20.70	20.69	20.72
5	16QAM	25	0	20.70	20.72	20.74
5	64QAM	1	0	20.73	20.94	20.81
5	64QAM	1	12	20.76	20.83	20.63
5	64QAM	1	24	20.66	20.67	20.70
5	64QAM	12	0	19.86	19.91	19.82
5	64QAM	12	7	19.73	19.80	19.70
5	64QAM	12	13	19.77	19.72	19.74
5	64QAM	25	0	19.76	19.79	19.75



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	22.57	22.66	22.53
3	QPSK	1	8	22.50	22.60	22.53
3	QPSK	1	14	22.57	22.49	22.58
3	QPSK	8	0	21.73	21.75	21.68
3	QPSK	8	4	21.58	21.71	21.58
3	QPSK	8	7	21.67	21.66	21.70
3	QPSK	15	0	21.62	21.63	21.64
3	16QAM	1	0	21.64	21.80	21.53
3	16QAM	1	8	21.64	21.79	21.64
3	16QAM	1	14	21.57	21.62	21.61
3	16QAM	8	0	20.68	20.80	20.73
3	16QAM	8	4	20.66	20.61	20.60
3	16QAM	8	7	20.61	20.60	20.63
3	16QAM	15	0	20.61	20.63	20.65
3	64QAM	1	0	20.64	20.85	20.72
3	64QAM	1	8	20.67	20.74	20.54
3	64QAM	1	14	20.57	20.58	20.61
3	64QAM	8	0	19.77	19.82	19.73
3	64QAM	8	4	19.64	19.71	19.61
3	64QAM	8	7	19.68	19.63	19.65
3	64QAM	15	0	19.67	19.70	19.66





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	22.52	22.61	22.48
1.4	QPSK	1	3	22.45	22.55	22.48
1.4	QPSK	1	5	22.52	22.44	22.53
1.4	QPSK	3	0	21.68	21.70	21.63
1.4	QPSK	3	1	21.53	21.66	21.53
1.4	QPSK	3	3	21.62	21.61	21.65
1.4	QPSK	6	0	21.57	21.58	21.59
1.4	16QAM	1	0	21.59	21.75	21.48
1.4	16QAM	1	3	21.59	21.74	21.59
1.4	16QAM	1	5	21.52	21.57	21.56
1.4	16QAM	3	0	20.63	20.75	20.68
1.4	16QAM	3	1	20.61	20.56	20.55
1.4	16QAM	3	3	20.56	20.55	20.58
1.4	16QAM	6	0	20.56	20.58	20.60
1.4	64QAM	1	0	20.59	20.80	20.67
1.4	64QAM	1	3	20.62	20.69	20.49
1.4	64QAM	1	5	20.52	20.53	20.56
1.4	64QAM	3	0	19.72	19.77	19.68
1.4	64QAM	3	1	19.59	19.66	19.56
1.4	64QAM	3	3	19.63	19.58	19.60
1.4	64QAM	6	0	19.62	19.65	19.61



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20050	20175	20300
Frequency (MHz)				1720	1732.5	1745
20	QPSK	1	0	22.87	23.07	23.02
20	QPSK	1	49	23.04	23.03	23.00
20	QPSK	1	99	23.01	23.04	23.00
20	QPSK	50	0	22.20	22.27	22.10
20	QPSK	50	24	22.21	22.25	22.18
20	QPSK	50	50	22.04	22.13	22.07
20	QPSK	100	0	22.14	22.18	22.08
20	16QAM	1	0	22.33	22.35	22.25
20	16QAM	1	49	22.26	22.29	22.15
20	16QAM	1	99	21.99	22.17	22.20
20	16QAM	50	0	21.03	21.25	21.26
20	16QAM	50	24	21.29	21.17	21.26
20	16QAM	50	50	21.00	20.99	21.21
20	16QAM	100	0	21.21	21.10	21.04
20	64QAM	1	0	21.23	21.23	21.26
20	64QAM	1	49	21.31	21.19	21.17
20	64QAM	1	99	21.01	21.14	21.24
20	64QAM	50	0	20.10	20.12	20.16
20	64QAM	50	24	20.16	20.23	20.12
20	64QAM	50	50	20.16	20.09	20.31
20	64QAM	100	0	20.03	20.13	20.20



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	22.75	22.95	22.90
15	QPSK	1	37	22.92	22.91	22.88
15	QPSK	1	74	22.89	22.92	22.88
15	QPSK	36	0	22.08	22.15	21.98
15	QPSK	36	20	22.09	22.13	22.06
15	QPSK	36	39	21.92	22.01	21.95
15	QPSK	75	0	22.02	22.06	21.96
15	16QAM	1	0	22.21	22.23	22.13
15	16QAM	1	37	22.14	22.17	22.03
15	16QAM	1	74	21.87	22.05	22.08
15	16QAM	36	0	20.91	21.13	21.14
15	16QAM	36	20	21.17	21.05	21.14
15	16QAM	36	39	20.88	20.87	21.09
15	16QAM	75	0	21.09	20.98	20.92
15	64QAM	1	0	21.11	21.11	21.14
15	64QAM	1	37	21.19	21.07	21.05
15	64QAM	1	74	20.89	21.02	21.12
15	64QAM	36	0	19.98	20.00	20.04
15	64QAM	36	20	20.04	20.11	20.00
15	64QAM	36	39	20.04	19.97	20.19
15	64QAM	75	0	19.91	20.01	20.08



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	22.63	22.83	22.78
10	QPSK	1	25	22.80	22.79	22.76
10	QPSK	1	49	22.77	22.80	22.76
10	QPSK	25	0	21.96	22.03	21.86
10	QPSK	25	12	21.97	22.01	21.94
10	QPSK	25	25	21.80	21.89	21.83
10	QPSK	50	0	21.90	21.94	21.84
10	16QAM	1	0	22.09	22.11	22.01
10	16QAM	1	25	22.02	22.05	21.91
10	16QAM	1	49	21.75	21.93	21.96
10	16QAM	25	0	20.79	21.01	21.02
10	16QAM	25	12	21.05	20.93	21.02
10	16QAM	25	25	20.76	20.75	20.97
10	16QAM	50	0	20.97	20.86	20.80
10	64QAM	1	0	20.99	20.99	21.02
10	64QAM	1	25	21.07	20.95	20.93
10	64QAM	1	49	20.77	20.90	21.00
10	64QAM	25	0	19.86	19.88	19.92
10	64QAM	25	12	19.92	19.99	19.88
10	64QAM	25	25	19.92	19.85	20.07
10	64QAM	50	0	19.79	19.89	19.96



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19975	20175	20375
Frequency (MHz)				1712.5	1732.5	1752.5
5	QPSK	1	0	22.54	22.74	22.69
5	QPSK	1	12	22.71	22.70	22.67
5	QPSK	1	24	22.68	22.71	22.67
5	QPSK	12	0	21.87	21.94	21.77
5	QPSK	12	7	21.88	21.92	21.85
5	QPSK	12	13	21.71	21.80	21.74
5	QPSK	25	0	21.81	21.85	21.75
5	16QAM	1	0	22.00	22.02	21.92
5	16QAM	1	12	21.93	21.96	21.82
5	16QAM	1	24	21.66	21.84	21.87
5	16QAM	12	0	20.70	20.92	20.93
5	16QAM	12	7	20.96	20.84	20.93
5	16QAM	12	13	20.67	20.66	20.88
5	16QAM	25	0	20.88	20.77	20.71
5	64QAM	1	0	20.90	20.90	20.93
5	64QAM	1	12	20.98	20.86	20.84
5	64QAM	1	24	20.68	20.81	20.91
5	64QAM	12	0	19.77	19.79	19.83
5	64QAM	12	7	19.83	19.90	19.79
5	64QAM	12	13	19.83	19.76	19.98
5	64QAM	25	0	19.70	19.80	19.87



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	22.45	22.65	22.60
3	QPSK	1	8	22.62	22.61	22.58
3	QPSK	1	14	22.59	22.62	22.58
3	QPSK	8	0	21.78	21.85	21.68
3	QPSK	8	4	21.79	21.83	21.76
3	QPSK	8	7	21.62	21.71	21.65
3	QPSK	15	0	21.72	21.76	21.66
3	16QAM	1	0	21.91	21.93	21.83
3	16QAM	1	8	21.84	21.87	21.73
3	16QAM	1	14	21.57	21.75	21.78
3	16QAM	8	0	20.61	20.83	20.84
3	16QAM	8	4	20.87	20.75	20.84
3	16QAM	8	7	20.58	20.57	20.79
3	16QAM	15	0	20.79	20.68	20.62
3	64QAM	1	0	20.81	20.81	20.84
3	64QAM	1	8	20.89	20.77	20.75
3	64QAM	1	14	20.59	20.72	20.82
3	64QAM	8	0	19.68	19.70	19.74
3	64QAM	8	4	19.74	19.81	19.70
3	64QAM	8	7	19.74	19.67	19.89
3	64QAM	15	0	19.61	19.71	19.78



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19957	20175	20393
Frequency (MHz)				1710.7	1732.5	1754.3
1.4	QPSK	1	0	22.40	22.60	22.55
1.4	QPSK	1	3	22.57	22.56	22.53
1.4	QPSK	1	5	22.54	22.57	22.53
1.4	QPSK	3	0	21.73	21.80	21.63
1.4	QPSK	3	1	21.74	21.78	21.71
1.4	QPSK	3	3	21.57	21.66	21.60
1.4	QPSK	6	0	21.67	21.71	21.61
1.4	16QAM	1	0	21.86	21.88	21.78
1.4	16QAM	1	3	21.79	21.82	21.68
1.4	16QAM	1	5	21.52	21.70	21.73
1.4	16QAM	3	0	20.56	20.78	20.79
1.4	16QAM	3	1	20.82	20.70	20.79
1.4	16QAM	3	3	20.53	20.52	20.74
1.4	16QAM	6	0	20.74	20.63	20.57
1.4	64QAM	1	0	20.76	20.76	20.79
1.4	64QAM	1	3	20.84	20.72	20.70
1.4	64QAM	1	5	20.54	20.67	20.77
1.4	64QAM	3	0	19.63	19.65	19.69
1.4	64QAM	3	1	19.69	19.76	19.65
1.4	64QAM	3	3	19.69	19.62	19.84
1.4	64QAM	6	0	19.56	19.66	19.73



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20450	20525	20600
Frequency (MHz)				829	836.5	844
10	QPSK	1	0	23.56	23.61	23.52
10	QPSK	1	25	23.49	23.57	23.50
10	QPSK	1	49	23.45	23.52	23.49
10	QPSK	25	0	22.72	22.73	22.65
10	QPSK	25	12	22.46	22.46	22.73
10	QPSK	25	25	22.73	22.51	22.76
10	QPSK	50	0	22.75	22.75	22.70
10	16QAM	1	0	22.74	22.76	22.65
10	16QAM	1	25	22.66	22.74	22.50
10	16QAM	1	49	22.64	22.49	22.59
10	16QAM	25	0	21.58	21.78	21.81
10	16QAM	25	12	21.71	21.72	21.55
10	16QAM	25	25	21.65	21.60	21.68
10	16QAM	50	0	21.55	21.43	21.52
10	64QAM	1	0	21.60	21.71	21.62
10	64QAM	1	25	21.55	21.72	21.59
10	64QAM	1	49	21.64	21.50	21.51
10	64QAM	25	0	20.65	20.63	20.67
10	64QAM	25	12	20.71	20.77	20.69
10	64QAM	25	25	20.58	20.87	20.66
10	64QAM	50	0	20.69	20.68	20.73





LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20425	20525	20625
Frequency (MHz)				826.5	836.5	846.5
5	QPSK	1	0	23.46	23.51	23.42
5	QPSK	1	12	23.39	23.47	23.40
5	QPSK	1	24	23.35	23.42	23.39
5	QPSK	12	0	22.62	22.63	22.55
5	QPSK	12	7	22.36	22.36	22.63
5	QPSK	12	13	22.63	22.41	22.66
5	QPSK	25	0	22.65	22.65	22.60
5	16QAM	1	0	22.64	22.66	22.55
5	16QAM	1	12	22.56	22.64	22.40
5	16QAM	1	24	22.54	22.39	22.49
5	16QAM	12	0	21.48	21.68	21.71
5	16QAM	12	7	21.61	21.62	21.45
5	16QAM	12	13	21.55	21.50	21.58
5	16QAM	25	0	21.45	21.33	21.42
5	64QAM	1	0	21.50	21.61	21.52
5	64QAM	1	12	21.45	21.62	21.49
5	64QAM	1	24	21.54	21.40	21.41
5	64QAM	12	0	20.55	20.53	20.57
5	64QAM	12	7	20.61	20.67	20.59
5	64QAM	12	13	20.48	20.77	20.56
5	64QAM	25	0	20.59	20.58	20.63



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	23.36	23.41	23.32
3	QPSK	1	8	23.29	23.37	23.30
3	QPSK	1	14	23.25	23.32	23.29
3	QPSK	8	0	22.52	22.53	22.45
3	QPSK	8	4	22.26	22.26	22.53
3	QPSK	8	7	22.53	22.31	22.56
3	QPSK	15	0	22.55	22.55	22.50
3	16QAM	1	0	22.54	22.56	22.45
3	16QAM	1	8	22.46	22.54	22.30
3	16QAM	1	14	22.44	22.29	22.39
3	16QAM	8	0	21.38	21.58	21.61
3	16QAM	8	4	21.51	21.52	21.35
3	16QAM	8	7	21.45	21.40	21.48
3	16QAM	15	0	21.35	21.23	21.32
3	64QAM	1	0	21.40	21.51	21.42
3	64QAM	1	8	21.35	21.52	21.39
3	64QAM	1	14	21.44	21.30	21.31
3	64QAM	8	0	20.45	20.43	20.47
3	64QAM	8	4	20.51	20.57	20.49
3	64QAM	8	7	20.38	20.67	20.46
3	64QAM	15	0	20.49	20.48	20.53



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20407	20525	20643
Frequency (MHz)				824.7	836.5	848.3
1.4	QPSK	1	0	23.26	23.31	23.22
1.4	QPSK	1	3	23.19	23.27	23.20
1.4	QPSK	1	5	23.15	23.22	23.19
1.4	QPSK	3	0	22.42	22.43	22.35
1.4	QPSK	3	1	22.16	22.16	22.43
1.4	QPSK	3	3	22.43	22.21	22.46
1.4	QPSK	6	0	22.45	22.45	22.40
1.4	16QAM	1	0	22.44	22.46	22.35
1.4	16QAM	1	3	22.36	22.44	22.20
1.4	16QAM	1	5	22.34	22.19	22.29
1.4	16QAM	3	0	21.28	21.48	21.51
1.4	16QAM	3	1	21.41	21.42	21.25
1.4	16QAM	3	3	21.35	21.30	21.38
1.4	16QAM	6	0	21.25	21.13	21.22
1.4	64QAM	1	0	21.30	21.41	21.32
1.4	64QAM	1	3	21.25	21.42	21.29
1.4	64QAM	1	5	21.34	21.20	21.21
1.4	64QAM	3	0	20.35	20.33	20.37
1.4	64QAM	3	1	20.41	20.47	20.39
1.4	64QAM	3	3	20.28	20.57	20.36
1.4	64QAM	6	0	20.39	20.38	20.43



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20850	21100	21350
Frequency (MHz)				2510	2535	2560
20	QPSK	1	0	23.02	23.07	23.02
20	QPSK	1	49	23.01	23.03	23.01
20	QPSK	1	99	23.07	22.98	23.09
20	QPSK	50	0	22.15	22.28	22.09
20	QPSK	50	24	22.04	22.10	22.18
20	QPSK	50	50	22.19	22.18	22.27
20	QPSK	100	0	22.08	22.08	22.07
20	16QAM	1	0	22.25	22.32	22.25
20	16QAM	1	49	22.32	22.27	22.15
20	16QAM	1	99	22.02	22.04	22.27
20	16QAM	50	0	21.03	21.35	21.30
20	16QAM	50	24	21.13	21.28	21.02
20	16QAM	50	50	21.04	21.05	21.18
20	16QAM	100	0	21.08	21.00	21.02
20	64QAM	1	0	21.09	21.33	21.21
20	64QAM	1	49	21.28	21.20	21.25
20	64QAM	1	99	20.94	21.30	20.99
20	64QAM	50	0	20.36	20.20	20.30
20	64QAM	50	24	20.16	20.20	20.07
20	64QAM	50	50	20.34	20.24	20.23
20	64QAM	100	0	20.08	20.41	20.30



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20825	21100	21375
Frequency (MHz)				2507.5	2535	2562.5
15	QPSK	1	0	22.97	23.02	22.97
15	QPSK	1	37	22.96	22.98	22.96
15	QPSK	1	74	23.02	22.93	23.04
15	QPSK	36	0	22.10	22.23	22.04
15	QPSK	36	20	21.99	22.05	22.13
15	QPSK	36	39	22.14	22.13	22.22
15	QPSK	75	0	22.03	22.03	22.02
15	16QAM	1	0	22.20	22.27	22.20
15	16QAM	1	37	22.27	22.22	22.10
15	16QAM	1	74	21.97	21.99	22.22
15	16QAM	36	0	20.98	21.30	21.25
15	16QAM	36	20	21.08	21.23	20.97
15	16QAM	36	39	20.99	21.00	21.13
15	16QAM	75	0	21.03	20.95	20.97
15	64QAM	1	0	21.04	21.28	21.16
15	64QAM	1	37	21.23	21.15	21.20
15	64QAM	1	74	20.89	21.25	20.94
15	64QAM	36	0	20.31	20.15	20.25
15	64QAM	36	20	20.11	20.15	20.02
15	64QAM	36	39	20.29	20.19	20.18
15	64QAM	75	0	20.03	20.36	20.25



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20800	21100	21400
Frequency (MHz)				2505	2535	2565
10	QPSK	1	0	22.92	22.97	22.92
10	QPSK	1	25	22.91	22.93	22.91
10	QPSK	1	49	22.97	22.88	22.99
10	QPSK	25	0	22.05	22.18	21.99
10	QPSK	25	12	21.94	22.00	22.08
10	QPSK	25	25	22.09	22.08	22.17
10	QPSK	50	0	21.98	21.98	21.97
10	16QAM	1	0	22.15	22.22	22.15
10	16QAM	1	25	22.22	22.17	22.05
10	16QAM	1	49	21.92	21.94	22.17
10	16QAM	25	0	20.93	21.25	21.20
10	16QAM	25	12	21.03	21.18	20.92
10	16QAM	25	25	20.94	20.95	21.08
10	16QAM	50	0	20.98	20.90	20.92
10	64QAM	1	0	20.99	21.23	21.11
10	64QAM	1	25	21.18	21.10	21.15
10	64QAM	1	49	20.84	21.20	20.89
10	64QAM	25	0	20.26	20.10	20.20
10	64QAM	25	12	20.06	20.10	19.97
10	64QAM	25	25	20.24	20.14	20.13
10	64QAM	50	0	19.98	20.31	20.20



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20775	21100	21425
Frequency (MHz)				2502.5	2535	2567.5
5	QPSK	1	0	22.87	22.92	22.87
5	QPSK	1	12	22.86	22.88	22.86
5	QPSK	1	24	22.92	22.83	22.94
5	QPSK	12	0	22.00	22.13	21.94
5	QPSK	12	7	21.89	21.95	22.03
5	QPSK	12	13	22.04	22.03	22.12
5	QPSK	25	0	21.93	21.93	21.92
5	16QAM	1	0	22.10	22.17	22.10
5	16QAM	1	12	22.17	22.12	22.00
5	16QAM	1	24	21.87	21.89	22.12
5	16QAM	12	0	20.88	21.20	21.15
5	16QAM	12	7	20.98	21.13	20.87
5	16QAM	12	13	20.89	20.90	21.03
5	16QAM	25	0	20.93	20.85	20.87
5	64QAM	1	0	20.94	21.18	21.06
5	64QAM	1	12	21.13	21.05	21.10
5	64QAM	1	24	20.79	21.15	20.84
5	64QAM	12	0	20.21	20.05	20.15
5	64QAM	12	7	20.01	20.05	19.92
5	64QAM	12	13	20.19	20.09	20.08
5	64QAM	25	0	19.93	20.26	20.15



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23060	23095	23130
Frequency (MHz)				704	707.5	711
10	QPSK	1	0	23.11	23.29	23.20
10	QPSK	1	25	23.21	23.20	23.27
10	QPSK	1	49	23.17	23.20	23.25
10	QPSK	25	0	22.38	22.49	22.22
10	QPSK	25	12	22.36	22.40	22.30
10	QPSK	25	25	22.26	22.45	22.48
10	QPSK	50	0	22.26	22.38	22.23
10	16QAM	1	0	22.44	22.40	22.36
10	16QAM	1	25	22.53	22.28	22.27
10	16QAM	1	49	22.19	22.32	22.31
10	16QAM	25	0	21.47	21.55	21.51
10	16QAM	25	12	21.37	21.39	21.34
10	16QAM	25	25	21.43	21.28	21.47
10	16QAM	50	0	21.27	21.31	21.14
10	64QAM	1	0	21.15	21.56	21.55
10	64QAM	1	25	21.41	21.37	21.54
10	64QAM	1	49	21.32	21.36	21.27
10	64QAM	25	0	20.32	20.42	20.27
10	64QAM	25	12	20.29	20.23	20.24
10	64QAM	25	25	20.56	20.29	20.35
10	64QAM	50	0	20.26	20.27	20.41





LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23035	23095	23155
Frequency (MHz)				701.5	707.5	713.5
5	QPSK	1	0	23.02	23.20	23.11
5	QPSK	1	12	23.12	23.11	23.18
5	QPSK	1	24	23.08	23.11	23.16
5	QPSK	12	0	22.29	22.40	22.13
5	QPSK	12	7	22.27	22.31	22.21
5	QPSK	12	13	22.17	22.36	22.39
5	QPSK	25	0	22.17	22.29	22.14
5	16QAM	1	0	22.35	22.31	22.27
5	16QAM	1	12	22.44	22.19	22.18
5	16QAM	1	24	22.10	22.23	22.22
5	16QAM	12	0	21.38	21.46	21.42
5	16QAM	12	7	21.28	21.30	21.25
5	16QAM	12	13	21.34	21.19	21.38
5	16QAM	25	0	21.18	21.22	21.05
5	64QAM	1	0	21.06	21.47	21.46
5	64QAM	1	12	21.32	21.28	21.45
5	64QAM	1	24	21.23	21.27	21.18
5	64QAM	12	0	20.23	20.33	20.18
5	64QAM	12	7	20.20	20.14	20.15
5	64QAM	12	13	20.47	20.20	20.26
5	64QAM	25	0	20.17	20.18	20.32



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	22.93	23.11	23.02
3	QPSK	1	8	23.03	23.02	23.09
3	QPSK	1	14	22.99	23.02	23.07
3	QPSK	8	0	22.20	22.31	22.04
3	QPSK	8	4	22.18	22.22	22.12
3	QPSK	8	7	22.08	22.27	22.30
3	QPSK	15	0	22.08	22.20	22.05
3	16QAM	1	0	22.26	22.22	22.18
3	16QAM	1	8	22.35	22.10	22.09
3	16QAM	1	14	22.01	22.14	22.13
3	16QAM	8	0	21.29	21.37	21.33
3	16QAM	8	4	21.19	21.21	21.16
3	16QAM	8	7	21.25	21.10	21.29
3	16QAM	15	0	21.09	21.13	20.96
3	64QAM	1	0	20.97	21.38	21.37
3	64QAM	1	8	21.23	21.19	21.36
3	64QAM	1	14	21.14	21.18	21.09
3	64QAM	8	0	20.14	20.24	20.09
3	64QAM	8	4	20.11	20.05	20.06
3	64QAM	8	7	20.38	20.11	20.17
3	64QAM	15	0	20.08	20.09	20.23



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23017	23095	23173
Frequency (MHz)				699.7	707.5	715.3
1.4	QPSK	1	0	22.88	23.06	22.97
1.4	QPSK	1	3	22.98	22.97	23.04
1.4	QPSK	1	5	22.94	22.97	23.02
1.4	QPSK	3	0	22.15	22.26	21.99
1.4	QPSK	3	1	22.13	22.17	22.07
1.4	QPSK	3	3	22.03	22.22	22.25
1.4	QPSK	6	0	22.03	22.15	22.00
1.4	16QAM	1	0	22.21	22.17	22.13
1.4	16QAM	1	3	22.30	22.05	22.04
1.4	16QAM	1	5	21.96	22.09	22.08
1.4	16QAM	3	0	21.24	21.32	21.28
1.4	16QAM	3	1	21.14	21.16	21.11
1.4	16QAM	3	3	21.20	21.05	21.24
1.4	16QAM	6	0	21.04	21.08	20.91
1.4	64QAM	1	0	20.92	21.17	21.15
1.4	64QAM	1	3	21.10	21.14	21.10
1.4	64QAM	1	5	21.09	21.13	21.04
1.4	64QAM	3	0	20.09	20.19	20.04
1.4	64QAM	3	1	20.06	20.00	20.01
1.4	64QAM	3	3	20.33	20.06	20.12
1.4	64QAM	6	0	20.03	20.04	20.18



LTE Band 17						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23780	23790	23800
Frequency (MHz)				709	710	711
10	QPSK	1	0	23.46	23.54	23.50
10	QPSK	1	25	23.12	23.31	23.21
10	QPSK	1	49	23.32	23.24	23.28
10	QPSK	25	0	22.24	22.48	22.36
10	QPSK	25	12	22.28	22.40	22.39
10	QPSK	25	25	22.47	22.24	22.31
10	QPSK	50	0	22.35	22.35	22.38
10	16QAM	1	0	22.42	22.49	22.41
10	16QAM	1	25	22.36	22.32	22.19
10	16QAM	1	49	22.44	22.17	22.40
10	16QAM	25	0	21.28	21.29	21.34
10	16QAM	25	12	21.25	21.36	21.20
10	16QAM	25	25	21.45	21.27	21.41
10	16QAM	50	0	21.13	21.38	21.37
10	64QAM	1	0	21.16	21.43	21.50
10	64QAM	1	25	21.32	21.30	21.45
10	64QAM	1	49	21.31	21.46	21.28
10	64QAM	25	0	20.36	20.53	20.51
10	64QAM	25	12	20.43	20.41	20.35
10	64QAM	25	25	20.34	20.26	20.32
10	64QAM	50	0	20.41	20.39	20.37



LTE Band 17						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23755	23790	23825
Frequency (MHz)				706.5	710	713.5
5	QPSK	1	0	23.37	23.45	23.41
5	QPSK	1	12	23.03	23.22	23.12
5	QPSK	1	24	23.23	23.15	23.19
5	QPSK	12	0	22.15	22.39	22.27
5	QPSK	12	7	22.19	22.31	22.30
5	QPSK	12	13	22.38	22.15	22.22
5	QPSK	25	0	22.26	22.26	22.29
5	16QAM	1	0	22.33	22.40	22.32
5	16QAM	1	12	22.27	22.23	22.10
5	16QAM	1	24	22.35	22.08	22.31
5	16QAM	12	0	21.19	21.20	21.25
5	16QAM	12	7	21.16	21.27	21.11
5	16QAM	12	13	21.36	21.18	21.32
5	16QAM	25	0	21.04	21.29	21.28
5	64QAM	1	0	21.07	21.34	21.41
5	64QAM	1	12	21.23	21.21	21.36
5	64QAM	1	24	21.22	21.37	21.19
5	64QAM	12	0	20.27	20.44	20.42
5	64QAM	12	7	20.34	20.32	20.26
5	64QAM	12	13	20.25	20.17	20.23
5	64QAM	25	0	20.32	20.30	20.28



LTE Band 38						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				37850	38000	38150
Frequency (MHz)				2580	2595	2610
20	QPSK	1	0	23.20	23.26	23.25
20	QPSK	1	49	23.16	23.22	23.07
20	QPSK	1	99	23.16	23.13	23.13
20	QPSK	50	0	22.30	22.34	22.18
20	QPSK	50	24	22.30	22.05	22.21
20	QPSK	50	50	22.16	22.12	22.24
20	QPSK	100	0	22.18	22.16	22.19
20	16QAM	1	0	22.16	22.35	22.32
20	16QAM	1	49	22.24	22.29	22.24
20	16QAM	1	99	22.22	22.15	22.41
20	16QAM	50	0	21.23	21.33	21.28
20	16QAM	50	24	21.26	21.26	21.20
20	16QAM	50	50	21.25	21.17	21.38
20	16QAM	100	0	21.23	21.20	21.30
20	64QAM	1	0	21.29	21.43	21.46
20	64QAM	1	49	21.28	21.18	21.12
20	64QAM	1	99	21.16	21.36	21.08
20	64QAM	50	0	20.38	20.38	20.33
20	64QAM	50	24	20.24	20.14	20.37
20	64QAM	50	50	20.28	20.39	20.26
20	64QAM	100	0	20.25	20.21	20.28



LTE Band 38						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				37825	38000	38175
Frequency (MHz)				2577.5	2595	2612.5
15	QPSK	1	0	23.11	23.17	23.16
15	QPSK	1	37	23.07	23.13	22.98
15	QPSK	1	74	23.07	23.04	23.04
15	QPSK	36	0	22.21	22.25	22.09
15	QPSK	36	20	22.21	21.96	22.12
15	QPSK	36	39	22.07	22.03	22.15
15	QPSK	75	0	22.09	22.07	22.10
15	16QAM	1	0	22.07	22.26	22.23
15	16QAM	1	37	22.15	22.20	22.15
15	16QAM	1	74	22.13	22.06	22.32
15	16QAM	36	0	21.14	21.24	21.19
15	16QAM	36	20	21.17	21.17	21.11
15	16QAM	36	39	21.16	21.08	21.29
15	16QAM	75	0	21.14	21.11	21.21
15	64QAM	1	0	21.20	21.34	21.37
15	64QAM	1	37	21.19	21.09	21.03
15	64QAM	1	74	21.07	21.27	20.99
15	64QAM	36	0	20.29	20.29	20.24
15	64QAM	36	20	20.15	20.05	20.28
15	64QAM	36	39	20.19	20.30	20.17
15	64QAM	75	0	20.16	20.12	20.19



LTE Band 38						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				37800	38000	38200
Frequency (MHz)				2575	2595	2615
10	QPSK	1	0	23.02	23.08	23.07
10	QPSK	1	25	22.98	23.04	22.89
10	QPSK	1	49	22.98	22.95	22.95
10	QPSK	25	0	22.12	22.16	22.00
10	QPSK	25	12	22.12	21.87	22.03
10	QPSK	25	25	21.98	21.94	22.06
10	QPSK	50	0	22.00	21.98	22.01
10	16QAM	1	0	21.98	22.17	22.14
10	16QAM	1	25	22.06	22.11	22.06
10	16QAM	1	49	22.04	21.97	22.23
10	16QAM	25	0	21.05	21.15	21.10
10	16QAM	25	12	21.08	21.08	21.02
10	16QAM	25	25	21.07	20.99	21.20
10	16QAM	50	0	21.05	21.02	21.12
10	64QAM	1	0	21.11	21.25	21.28
10	64QAM	1	25	21.10	21.00	20.94
10	64QAM	1	49	20.98	21.18	20.90
10	64QAM	25	0	20.20	20.20	20.15
10	64QAM	25	12	20.06	19.96	20.19
10	64QAM	25	25	20.10	20.21	20.08
10	64QAM	50	0	20.07	20.03	20.10





LTE Band 38						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				37775	38000	38225
Frequency (MHz)				2572.5	2595	2617.5
5	QPSK	1	0	22.93	22.99	22.98
5	QPSK	1	12	22.89	22.95	22.80
5	QPSK	1	24	22.89	22.86	22.86
5	QPSK	12	0	22.03	22.07	21.91
5	QPSK	12	7	22.03	21.78	21.94
5	QPSK	12	13	21.89	21.85	21.97
5	QPSK	25	0	21.91	21.89	21.92
5	16QAM	1	0	21.89	22.08	22.05
5	16QAM	1	12	21.97	22.02	21.97
5	16QAM	1	24	21.95	21.88	22.14
5	16QAM	12	0	20.96	21.06	21.01
5	16QAM	12	7	20.99	20.99	20.93
5	16QAM	12	13	20.98	20.90	21.11
5	16QAM	25	0	20.96	20.93	21.03
5	64QAM	1	0	21.02	21.16	21.19
5	64QAM	1	12	21.01	20.91	20.85
5	64QAM	1	24	20.89	21.09	20.81
5	64QAM	12	0	20.11	20.11	20.06
5	64QAM	12	7	19.97	19.87	20.10
5	64QAM	12	13	20.01	20.12	19.99
5	64QAM	25	0	19.98	19.94	20.01



LTE Band 40, Block A						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				/	38750	/
Frequency (MHz)				/	2310	/
10	QPSK	1	0	/	23.60	/
10	QPSK	1	25	/	23.49	/
10	QPSK	1	49	/	23.38	/
10	QPSK	25	0	/	22.65	/
10	QPSK	25	12	/	22.60	/
10	QPSK	25	25	/	22.50	/
10	QPSK	50	0	/	22.48	/
10	16QAM	1	0	/	22.42	/
10	16QAM	1	25	/	22.32	/
10	16QAM	1	49	/	22.30	/
10	16QAM	25	0	/	21.70	/
10	16QAM	25	12	/	21.63	/
10	16QAM	25	25	/	21.62	/
10	16QAM	50	0	/	21.50	/
10	64QAM	1	0	/	21.70	/
10	64QAM	1	25	/	21.66	/
10	64QAM	1	49	/	21.63	/
10	64QAM	25	0	/	20.86	/
10	64QAM	25	12	/	20.75	/
10	64QAM	25	25	/	20.55	/
10	64QAM	50	0	/	20.63	/



LTE Band 40, Block A						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				38725	38750	38775
Frequency (MHz)				2307.5	2310	2312.5
5	QPSK	1	0	23.15	23.17	23.15
5	QPSK	1	12	23.11	23.04	23.13
5	QPSK	1	24	23.14	23.10	23.04
5	QPSK	12	0	22.16	22.29	22.20
5	QPSK	12	7	22.30	22.19	22.27
5	QPSK	12	13	22.21	22.18	22.28
5	QPSK	25	0	22.26	22.22	22.25
5	16QAM	1	0	22.48	22.47	22.51
5	16QAM	1	12	22.33	22.51	22.22
5	16QAM	1	24	22.25	22.40	22.43
5	16QAM	12	0	21.32	21.39	21.46
5	16QAM	12	7	21.25	21.28	21.28
5	16QAM	12	13	21.14	21.26	21.30
5	16QAM	25	0	21.37	21.25	21.36
5	64QAM	1	0	21.12	21.38	21.33
5	64QAM	1	12	21.31	21.48	21.27
5	64QAM	1	24	21.16	21.32	21.20
5	64QAM	12	0	20.48	20.29	20.40
5	64QAM	12	7	20.38	20.35	20.39
5	64QAM	12	13	20.37	20.50	20.25
5	64QAM	25	0	20.28	20.38	20.34



LTE Band 40, Block B						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				/	39200	/
Frequency (MHz)				/	2355	/
10	QPSK	1	0	/	23.57	/
10	QPSK	1	25	/	23.36	/
10	QPSK	1	49	/	23.22	/
10	QPSK	25	0	/	22.45	/
10	QPSK	25	12	/	22.41	/
10	QPSK	25	25	/	22.35	/
10	QPSK	50	0	/	22.38	/
10	16QAM	1	0	/	22.35	/
10	16QAM	1	25	/	22.20	/
10	16QAM	1	49	/	22.11	/
10	16QAM	25	0	/	21.56	/
10	16QAM	25	12	/	21.43	/
10	16QAM	25	25	/	21.38	/
10	16QAM	50	0	/	21.42	/
10	64QAM	1	0	/	21.33	/
10	64QAM	1	25	/	21.50	/
10	64QAM	1	49	/	21.39	/
10	64QAM	25	0	/	20.95	/
10	64QAM	25	12	/	20.50	/
10	64QAM	25	25	/	20.36	/
10	64QAM	50	0	/	20.20	/



LTE Band 40, Block B						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39175	39200	39225
Frequency (MHz)				2352.5	2355	2357.5
5	QPSK	1	0	23.04	23.13	23.09
5	QPSK	1	12	23.07	23.11	23.07
5	QPSK	1	24	23.04	23.08	23.04
5	QPSK	12	0	22.27	22.19	22.05
5	QPSK	12	7	22.22	22.05	22.15
5	QPSK	12	13	22.37	22.35	22.15
5	QPSK	25	0	22.09	22.09	22.05
5	16QAM	1	0	22.18	22.34	22.22
5	16QAM	1	12	22.05	22.07	22.14
5	16QAM	1	24	22.09	22.18	22.06
5	16QAM	12	0	21.04	21.31	21.25
5	16QAM	12	7	21.08	21.06	21.06
5	16QAM	12	13	21.25	21.06	21.24
5	16QAM	25	0	21.03	21.06	21.28
5	64QAM	1	0	21.20	21.32	21.25
5	64QAM	1	12	21.20	21.14	21.20
5	64QAM	1	24	21.08	21.21	21.13
5	64QAM	12	0	20.34	20.35	20.38
5	64QAM	12	7	20.14	20.22	20.07
5	64QAM	12	13	20.20	20.15	20.13
5	64QAM	25	0	20.17	20.24	20.24



LTE Band 41						
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	23.52	23.66	23.43
20	QPSK	1	49	23.25	23.34	23.34
20	QPSK	1	99	23.27	23.20	23.39
20	QPSK	50	0	22.59	22.32	22.54
20	QPSK	50	24	22.24	22.35	22.36
20	QPSK	50	50	22.54	22.54	22.68
20	QPSK	100	0	22.21	22.36	22.34
20	16QAM	1	0	22.61	22.55	22.64
20	16QAM	1	49	22.49	22.66	22.57
20	16QAM	1	99	22.26	22.40	22.59
20	16QAM	50	0	21.47	21.46	21.65
20	16QAM	50	24	21.41	21.37	21.74
20	16QAM	50	50	21.28	21.29	21.38
20	16QAM	100	0	21.25	21.37	21.49
20	64QAM	1	0	21.47	21.45	21.60
20	64QAM	1	49	21.64	21.58	21.50
20	64QAM	1	99	21.36	21.24	21.31
20	64QAM	50	0	20.66	20.56	20.66
20	64QAM	50	24	20.61	20.34	20.38
20	64QAM	50	50	20.66	20.57	20.62
20	64QAM	100	0	20.30	20.46	20.32



LTE Band 41						
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	23.42	23.56	23.33
15	QPSK	1	37	23.15	23.24	23.24
15	QPSK	1	74	23.17	23.10	23.29
15	QPSK	36	0	22.49	22.22	22.44
15	QPSK	36	20	22.14	22.25	22.26
15	QPSK	36	39	22.44	22.44	22.58
15	QPSK	75	0	22.11	22.26	22.24
15	16QAM	1	0	22.51	22.45	22.54
15	16QAM	1	37	22.39	22.56	22.47
15	16QAM	1	74	22.16	22.30	22.49
15	16QAM	36	0	21.37	21.36	21.55
15	16QAM	36	20	21.31	21.27	21.64
15	16QAM	36	39	21.18	21.19	21.28
15	16QAM	75	0	21.15	21.27	21.39
15	64QAM	1	0	21.37	21.35	21.50
15	64QAM	1	37	21.54	21.48	21.40
15	64QAM	1	74	21.26	21.14	21.21
15	64QAM	36	0	20.56	20.46	20.56
15	64QAM	36	20	20.51	20.24	20.28
15	64QAM	36	39	20.56	20.47	20.52
15	64QAM	75	0	20.20	20.36	20.22



LTE Band 41						
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	23.33	23.47	23.24
10	QPSK	1	25	23.06	23.15	23.15
10	QPSK	1	49	23.08	23.01	23.20
10	QPSK	25	0	22.40	22.13	22.35
10	QPSK	25	12	22.05	22.16	22.17
10	QPSK	25	25	22.35	22.35	22.49
10	QPSK	50	0	22.02	22.17	22.15
10	16QAM	1	0	22.42	22.36	22.45
10	16QAM	1	25	22.30	22.47	22.38
10	16QAM	1	49	22.07	22.21	22.40
10	16QAM	25	0	21.28	21.27	21.46
10	16QAM	25	12	21.22	21.18	21.55
10	16QAM	25	25	21.09	21.10	21.19
10	16QAM	50	0	21.06	21.18	21.30
10	64QAM	1	0	21.28	21.26	21.41
10	64QAM	1	25	21.45	21.39	21.31
10	64QAM	1	49	21.17	21.05	21.12
10	64QAM	25	0	20.47	20.37	20.47
10	64QAM	25	12	20.42	20.15	20.19
10	64QAM	25	25	20.47	20.38	20.43
10	64QAM	50	0	20.11	20.27	20.13





LTE Band 41						
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	23.25	23.39	23.16
5	QPSK	1	12	22.98	23.07	23.07
5	QPSK	1	24	23.00	22.93	23.12
5	QPSK	12	0	22.32	22.05	22.27
5	QPSK	12	7	21.97	22.08	22.09
5	QPSK	12	13	22.27	22.27	22.41
5	QPSK	25	0	21.94	22.09	22.07
5	16QAM	1	0	22.34	22.28	22.37
5	16QAM	1	12	22.22	22.39	22.30
5	16QAM	1	24	21.99	22.13	22.32
5	16QAM	12	0	21.20	21.19	21.38
5	16QAM	12	7	21.14	21.10	21.47
5	16QAM	12	13	21.01	21.02	21.11
5	16QAM	25	0	20.98	21.10	21.22
5	64QAM	1	0	21.20	21.18	21.33
5	64QAM	1	12	21.37	21.31	21.23
5	64QAM	1	24	21.09	20.97	21.04
5	64QAM	12	0	20.39	20.29	20.39
5	64QAM	12	7	20.34	20.07	20.11
5	64QAM	12	13	20.39	20.30	20.35
5	64QAM	25	0	20.03	20.19	20.05



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

LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18700		18900		19100	
Frequency (MHz)				1860		1880		1900	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	22.85	0.193	22.94	0.197	22.81	0.191
20	QPSK	1	49	22.78	0.190	22.88	0.194	22.81	0.191
20	QPSK	1	99	22.85	0.193	22.77	0.189	22.86	0.193
20	QPSK	50	0	22.01	0.159	22.03	0.160	21.96	0.157
20	QPSK	50	24	21.86	0.153	21.99	0.158	21.86	0.153
20	QPSK	50	50	21.95	0.157	21.94	0.156	21.98	0.158
20	QPSK	100	0	21.90	0.155	21.91	0.155	21.92	0.156
20	16QAM	1	0	21.92	0.156	22.08	0.161	21.81	0.152
20	16QAM	1	49	21.92	0.156	22.07	0.161	21.92	0.156
20	16QAM	1	99	21.85	0.153	21.90	0.155	21.89	0.155
20	16QAM	50	0	20.96	0.125	21.08	0.128	21.01	0.126
20	16QAM	50	24	20.94	0.124	20.89	0.123	20.88	0.122
20	16QAM	50	50	20.89	0.123	20.88	0.122	20.91	0.123
20	16QAM	100	0	20.89	0.123	20.91	0.123	20.93	0.124
20	64QAM	1	0	20.92	0.124	21.13	0.130	21.00	0.126
20	64QAM	1	49	20.95	0.124	21.02	0.126	20.82	0.121
20	64QAM	1	99	20.85	0.122	20.86	0.122	20.89	0.123
20	64QAM	50	0	20.05	0.101	20.10	0.102	20.01	0.100
20	64QAM	50	24	19.92	0.098	19.99	0.100	19.89	0.097
20	64QAM	50	50	19.96	0.099	19.91	0.098	19.93	0.098
20	64QAM	100	0	19.95	0.099	19.98	0.100	19.94	0.099



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	22.75	0.188	22.84	0.192	22.71	0.187
15	QPSK	1	37	22.68	0.185	22.78	0.190	22.71	0.187
15	QPSK	1	74	22.75	0.188	22.67	0.185	22.76	0.189
15	QPSK	36	0	21.91	0.155	21.93	0.156	21.86	0.153
15	QPSK	36	20	21.76	0.150	21.89	0.155	21.76	0.150
15	QPSK	36	39	21.85	0.153	21.84	0.153	21.88	0.154
15	QPSK	75	0	21.80	0.151	21.81	0.152	21.82	0.152
15	16QAM	1	0	21.82	0.152	21.98	0.158	21.71	0.148
15	16QAM	1	37	21.82	0.152	21.97	0.157	21.82	0.152
15	16QAM	1	74	21.75	0.150	21.80	0.151	21.79	0.151
15	16QAM	36	0	20.86	0.122	20.98	0.125	20.91	0.123
15	16QAM	36	20	20.84	0.121	20.79	0.120	20.78	0.120
15	16QAM	36	39	20.79	0.120	20.78	0.120	20.81	0.121
15	16QAM	75	0	20.79	0.120	20.81	0.121	20.83	0.121
15	64QAM	1	0	20.82	0.121	21.03	0.127	20.90	0.123
15	64QAM	1	37	20.85	0.122	20.92	0.124	20.72	0.118
15	64QAM	1	74	20.75	0.119	20.76	0.119	20.79	0.120
15	64QAM	36	0	19.95	0.099	20.00	0.100	19.91	0.098
15	64QAM	36	20	19.82	0.096	19.89	0.097	19.79	0.095
15	64QAM	36	39	19.86	0.097	19.81	0.096	19.83	0.096
15	64QAM	75	0	19.85	0.097	19.88	0.097	19.84	0.096



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	22.63	0.183	22.72	0.187	22.59	0.182
10	QPSK	1	25	22.56	0.180	22.66	0.185	22.59	0.182
10	QPSK	1	49	22.63	0.183	22.55	0.180	22.64	0.184
10	QPSK	25	0	21.79	0.151	21.81	0.152	21.74	0.149
10	QPSK	25	12	21.64	0.146	21.77	0.150	21.64	0.146
10	QPSK	25	25	21.73	0.149	21.72	0.149	21.76	0.150
10	QPSK	50	0	21.68	0.147	21.69	0.148	21.70	0.148
10	16QAM	1	0	21.70	0.148	21.86	0.153	21.59	0.144
10	16QAM	1	25	21.70	0.148	21.85	0.153	21.70	0.148
10	16QAM	1	49	21.63	0.146	21.68	0.147	21.67	0.147
10	16QAM	25	0	20.74	0.119	20.86	0.122	20.79	0.120
10	16QAM	25	12	20.72	0.118	20.67	0.117	20.66	0.116
10	16QAM	25	25	20.67	0.117	20.66	0.116	20.69	0.117
10	16QAM	50	0	20.67	0.117	20.69	0.117	20.71	0.118
10	64QAM	1	0	20.70	0.117	20.91	0.123	20.78	0.120
10	64QAM	1	25	20.73	0.118	20.80	0.120	20.60	0.115
10	64QAM	1	49	20.63	0.116	20.64	0.116	20.67	0.117
10	64QAM	25	0	19.83	0.096	19.88	0.097	19.79	0.095
10	64QAM	25	12	19.70	0.093	19.77	0.095	19.67	0.093
10	64QAM	25	25	19.74	0.094	19.69	0.093	19.71	0.094
10	64QAM	50	0	19.73	0.094	19.76	0.095	19.72	0.094



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	22.51	0.178	22.60	0.182	22.47	0.177
5	QPSK	1	12	22.44	0.175	22.54	0.179	22.47	0.177
5	QPSK	1	24	22.51	0.178	22.43	0.175	22.52	0.179
5	QPSK	12	0	21.67	0.147	21.69	0.148	21.62	0.145
5	QPSK	12	7	21.52	0.142	21.65	0.146	21.52	0.142
5	QPSK	12	13	21.61	0.145	21.60	0.145	21.64	0.146
5	QPSK	25	0	21.56	0.143	21.57	0.144	21.58	0.144
5	16QAM	1	0	21.58	0.144	21.74	0.149	21.47	0.140
5	16QAM	1	12	21.58	0.144	21.73	0.149	21.58	0.144
5	16QAM	1	24	21.51	0.142	21.56	0.143	21.55	0.143
5	16QAM	12	0	20.62	0.115	20.74	0.119	20.67	0.117
5	16QAM	12	7	20.60	0.115	20.55	0.114	20.54	0.113
5	16QAM	12	13	20.55	0.114	20.54	0.113	20.57	0.114
5	16QAM	25	0	20.55	0.114	20.57	0.114	20.59	0.115
5	64QAM	1	0	20.58	0.114	20.79	0.120	20.66	0.116
5	64QAM	1	12	20.61	0.115	20.68	0.117	20.48	0.112
5	64QAM	1	24	20.51	0.112	20.52	0.113	20.55	0.114
5	64QAM	12	0	19.71	0.094	19.76	0.095	19.67	0.093
5	64QAM	12	7	19.58	0.091	19.65	0.092	19.55	0.090
5	64QAM	12	13	19.62	0.092	19.57	0.091	19.59	0.091
5	64QAM	25	0	19.61	0.091	19.64	0.092	19.60	0.091



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	22.42	0.175	22.51	0.178	22.38	0.173
3	QPSK	1	8	22.35	0.172	22.45	0.176	22.38	0.173
3	QPSK	1	14	22.42	0.175	22.34	0.171	22.43	0.175
3	QPSK	8	0	21.58	0.144	21.60	0.145	21.53	0.142
3	QPSK	8	4	21.43	0.139	21.56	0.143	21.43	0.139
3	QPSK	8	7	21.52	0.142	21.51	0.142	21.55	0.143
3	QPSK	15	0	21.47	0.140	21.48	0.141	21.49	0.141
3	16QAM	1	0	21.49	0.141	21.65	0.146	21.38	0.137
3	16QAM	1	8	21.49	0.141	21.64	0.146	21.49	0.141
3	16QAM	1	14	21.42	0.139	21.47	0.140	21.46	0.140
3	16QAM	8	0	20.53	0.113	20.65	0.116	20.58	0.114
3	16QAM	8	4	20.51	0.112	20.46	0.111	20.45	0.111
3	16QAM	8	7	20.46	0.111	20.45	0.111	20.48	0.112
3	16QAM	15	0	20.46	0.111	20.48	0.112	20.50	0.112
3	64QAM	1	0	20.49	0.112	20.70	0.117	20.57	0.114
3	64QAM	1	8	20.52	0.113	20.59	0.115	20.39	0.109
3	64QAM	1	14	20.42	0.110	20.43	0.110	20.46	0.111
3	64QAM	8	0	19.62	0.092	19.67	0.093	19.58	0.091
3	64QAM	8	4	19.49	0.089	19.56	0.090	19.46	0.088
3	64QAM	8	7	19.53	0.090	19.48	0.089	19.50	0.089
3	64QAM	15	0	19.52	0.090	19.55	0.090	19.51	0.089



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	22.37	0.173	22.46	0.176	22.33	0.171
1.4	QPSK	1	3	22.30	0.170	22.40	0.174	22.33	0.171
1.4	QPSK	1	5	22.37	0.173	22.29	0.169	22.38	0.173
1.4	QPSK	3	0	21.53	0.142	21.55	0.143	21.48	0.141
1.4	QPSK	3	1	21.38	0.137	21.51	0.142	21.38	0.137
1.4	QPSK	3	3	21.47	0.140	21.46	0.140	21.50	0.141
1.4	QPSK	6	0	21.42	0.139	21.43	0.139	21.44	0.139
1.4	16QAM	1	0	21.44	0.139	21.60	0.145	21.33	0.136
1.4	16QAM	1	3	21.44	0.139	21.59	0.144	21.44	0.139
1.4	16QAM	1	5	21.37	0.137	21.42	0.139	21.41	0.138
1.4	16QAM	3	0	20.48	0.112	20.60	0.115	20.53	0.113
1.4	16QAM	3	1	20.46	0.111	20.41	0.110	20.40	0.110
1.4	16QAM	3	3	20.41	0.110	20.40	0.110	20.43	0.110
1.4	16QAM	6	0	20.41	0.110	20.43	0.110	20.45	0.111
1.4	64QAM	1	0	20.44	0.111	20.65	0.116	20.52	0.113
1.4	64QAM	1	3	20.47	0.111	20.54	0.113	20.34	0.108
1.4	64QAM	1	5	20.37	0.109	20.38	0.109	20.41	0.110
1.4	64QAM	3	0	19.57	0.091	19.62	0.092	19.53	0.090
1.4	64QAM	3	1	19.44	0.088	19.51	0.089	19.41	0.087
1.4	64QAM	3	3	19.48	0.089	19.43	0.088	19.45	0.088
1.4	64QAM	6	0	19.47	0.089	19.50	0.089	19.46	0.088



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20050		20175		20300	
Frequency (MHz)				1720		1732.5		1745	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	21.91	0.155	22.11	0.163	22.06	0.161
20	QPSK	1	49	22.08	0.161	22.07	0.161	22.04	0.160
20	QPSK	1	99	22.05	0.160	22.08	0.161	22.04	0.160
20	QPSK	50	0	21.24	0.133	21.31	0.135	21.14	0.130
20	QPSK	50	24	21.25	0.133	21.29	0.135	21.22	0.132
20	QPSK	50	50	21.08	0.128	21.17	0.131	21.11	0.129
20	QPSK	100	0	21.18	0.131	21.22	0.132	21.12	0.129
20	16QAM	1	0	21.37	0.137	21.39	0.138	21.29	0.135
20	16QAM	1	49	21.30	0.135	21.33	0.136	21.19	0.132
20	16QAM	1	99	21.03	0.127	21.21	0.132	21.24	0.133
20	16QAM	50	0	20.07	0.102	20.29	0.107	20.30	0.107
20	16QAM	50	24	20.33	0.108	20.21	0.105	20.30	0.107
20	16QAM	50	50	20.04	0.101	20.03	0.101	20.25	0.106
20	16QAM	100	0	20.25	0.106	20.14	0.103	20.08	0.102
20	64QAM	1	0	20.27	0.106	20.27	0.106	20.30	0.107
20	64QAM	1	49	20.35	0.108	20.23	0.105	20.21	0.105
20	64QAM	1	99	20.05	0.101	20.18	0.104	20.28	0.107
20	64QAM	50	0	19.14	0.082	19.16	0.082	19.20	0.083
20	64QAM	50	24	19.20	0.083	19.27	0.085	19.16	0.082
20	64QAM	50	50	19.20	0.083	19.13	0.082	19.35	0.086
20	64QAM	100	0	19.07	0.081	19.17	0.083	19.24	0.084





LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20025		20175		20325	
Frequency (MHz)				1717.5		1732.5		1747.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	21.79	0.151	21.99	0.158	21.94	0.156
15	QPSK	1	37	21.96	0.157	21.95	0.157	21.92	0.156
15	QPSK	1	74	21.93	0.156	21.96	0.157	21.92	0.156
15	QPSK	36	0	21.12	0.129	21.19	0.132	21.02	0.126
15	QPSK	36	20	21.13	0.130	21.17	0.131	21.10	0.129
15	QPSK	36	39	20.96	0.125	21.05	0.127	20.99	0.126
15	QPSK	75	0	21.06	0.128	21.10	0.129	21.00	0.126
15	16QAM	1	0	21.25	0.133	21.27	0.134	21.17	0.131
15	16QAM	1	37	21.18	0.131	21.21	0.132	21.07	0.128
15	16QAM	1	74	20.91	0.123	21.09	0.129	21.12	0.129
15	16QAM	36	0	19.95	0.099	20.17	0.104	20.18	0.104
15	16QAM	36	20	20.21	0.105	20.09	0.102	20.18	0.104
15	16QAM	36	39	19.92	0.098	19.91	0.098	20.13	0.103
15	16QAM	75	0	20.13	0.103	20.02	0.100	19.96	0.099
15	64QAM	1	0	20.15	0.104	20.15	0.104	20.18	0.104
15	64QAM	1	37	20.23	0.105	20.11	0.103	20.09	0.102
15	64QAM	1	74	19.93	0.098	20.06	0.101	20.16	0.104
15	64QAM	36	0	19.02	0.080	19.04	0.080	19.08	0.081
15	64QAM	36	20	19.08	0.081	19.15	0.082	19.04	0.080
15	64QAM	36	39	19.08	0.081	19.01	0.080	19.23	0.084
15	64QAM	75	0	18.95	0.079	19.05	0.080	19.12	0.082



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20000		20175		20350	
Frequency (MHz)				1715		1732.5		1750	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	21.67	0.147	21.87	0.154	21.82	0.152
10	QPSK	1	25	21.84	0.153	21.83	0.152	21.80	0.151
10	QPSK	1	49	21.81	0.152	21.84	0.153	21.80	0.151
10	QPSK	25	0	21.00	0.126	21.07	0.128	20.90	0.123
10	QPSK	25	12	21.01	0.126	21.05	0.127	20.98	0.125
10	QPSK	25	25	20.84	0.121	20.93	0.124	20.87	0.122
10	QPSK	50	0	20.94	0.124	20.98	0.125	20.88	0.122
10	16QAM	1	0	21.13	0.130	21.15	0.130	21.05	0.127
10	16QAM	1	25	21.06	0.128	21.09	0.129	20.95	0.124
10	16QAM	1	49	20.79	0.120	20.97	0.125	21.00	0.126
10	16QAM	25	0	19.83	0.096	20.05	0.101	20.06	0.101
10	16QAM	25	12	20.09	0.102	19.97	0.099	20.06	0.101
10	16QAM	25	25	19.80	0.095	19.79	0.095	20.01	0.100
10	16QAM	50	0	20.01	0.100	19.90	0.098	19.84	0.096
10	64QAM	1	0	20.03	0.101	20.03	0.101	20.06	0.101
10	64QAM	1	25	20.11	0.103	19.99	0.100	19.97	0.099
10	64QAM	1	49	19.81	0.096	19.94	0.099	20.04	0.101
10	64QAM	25	0	18.90	0.078	18.92	0.078	18.96	0.079
10	64QAM	25	12	18.96	0.079	19.03	0.080	18.92	0.078
10	64QAM	25	25	18.96	0.079	18.89	0.077	19.11	0.081
10	64QAM	50	0	18.83	0.076	18.93	0.078	19.00	0.079



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19975		20175		20375	
Frequency (MHz)				1712.5		1732.5		1752.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	21.58	0.144	21.78	0.151	21.73	0.149
5	QPSK	1	12	21.75	0.150	21.74	0.149	21.71	0.148
5	QPSK	1	24	21.72	0.149	21.75	0.150	21.71	0.148
5	QPSK	12	0	20.91	0.123	20.98	0.125	20.81	0.121
5	QPSK	12	7	20.92	0.124	20.96	0.125	20.89	0.123
5	QPSK	12	13	20.75	0.119	20.84	0.121	20.78	0.120
5	QPSK	25	0	20.85	0.122	20.89	0.123	20.79	0.120
5	16QAM	1	0	21.04	0.127	21.06	0.128	20.96	0.125
5	16QAM	1	12	20.97	0.125	21.00	0.126	20.86	0.122
5	16QAM	1	24	20.70	0.117	20.88	0.122	20.91	0.123
5	16QAM	12	0	19.74	0.094	19.96	0.099	19.97	0.099
5	16QAM	12	7	20.00	0.100	19.88	0.097	19.97	0.099
5	16QAM	12	13	19.71	0.094	19.70	0.093	19.92	0.098
5	16QAM	25	0	19.92	0.098	19.81	0.096	19.75	0.094
5	64QAM	1	0	19.94	0.099	19.94	0.099	19.97	0.099
5	64QAM	1	12	20.02	0.100	19.90	0.098	19.88	0.097
5	64QAM	1	24	19.72	0.094	19.85	0.097	19.95	0.099
5	64QAM	12	0	18.81	0.076	18.83	0.076	18.87	0.077
5	64QAM	12	7	18.87	0.077	18.94	0.078	18.83	0.076
5	64QAM	12	13	18.87	0.077	18.80	0.076	19.02	0.080
5	64QAM	25	0	18.74	0.075	18.84	0.077	18.91	0.078



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19965		20175		20385	
Frequency (MHz)				1711.5		1732.5		1753.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	21.49	0.141	21.69	0.148	21.64	0.146
3	QPSK	1	8	21.66	0.147	21.65	0.146	21.62	0.145
3	QPSK	1	14	21.63	0.146	21.66	0.147	21.62	0.145
3	QPSK	8	0	20.82	0.121	20.89	0.123	20.72	0.118
3	QPSK	8	4	20.83	0.121	20.87	0.122	20.80	0.120
3	QPSK	8	7	20.66	0.116	20.75	0.119	20.69	0.117
3	QPSK	15	0	20.76	0.119	20.80	0.120	20.70	0.117
3	16QAM	1	0	20.95	0.124	20.97	0.125	20.87	0.122
3	16QAM	1	8	20.88	0.122	20.91	0.123	20.77	0.119
3	16QAM	1	14	20.61	0.115	20.79	0.120	20.82	0.121
3	16QAM	8	0	19.65	0.092	19.87	0.097	19.88	0.097
3	16QAM	8	4	19.91	0.098	19.79	0.095	19.88	0.097
3	16QAM	8	7	19.62	0.092	19.61	0.091	19.83	0.096
3	16QAM	15	0	19.83	0.096	19.72	0.094	19.66	0.092
3	64QAM	1	0	19.85	0.097	19.85	0.097	19.88	0.097
3	64QAM	1	8	19.93	0.098	19.81	0.096	19.79	0.095
3	64QAM	1	14	19.63	0.092	19.76	0.095	19.86	0.097
3	64QAM	8	0	18.72	0.074	18.74	0.075	18.78	0.076
3	64QAM	8	4	18.78	0.076	18.85	0.077	18.74	0.075
3	64QAM	8	7	18.78	0.076	18.71	0.074	18.93	0.078
3	64QAM	15	0	18.65	0.073	18.75	0.075	18.82	0.076



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19957		20175		20393	
Frequency (MHz)				1710.7		1732.5		1754.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	21.44	0.139	21.64	0.146	21.59	0.144
1.4	QPSK	1	3	21.61	0.145	21.60	0.145	21.57	0.144
1.4	QPSK	1	5	21.58	0.144	21.61	0.145	21.57	0.144
1.4	QPSK	3	0	20.77	0.119	20.84	0.121	20.67	0.117
1.4	QPSK	3	1	20.78	0.120	20.82	0.121	20.75	0.119
1.4	QPSK	3	3	20.61	0.115	20.70	0.117	20.64	0.116
1.4	QPSK	6	0	20.71	0.118	20.75	0.119	20.65	0.116
1.4	16QAM	1	0	20.90	0.123	20.92	0.124	20.82	0.121
1.4	16QAM	1	3	20.83	0.121	20.86	0.122	20.72	0.118
1.4	16QAM	1	5	20.56	0.114	20.74	0.119	20.77	0.119
1.4	16QAM	3	0	19.60	0.091	19.82	0.096	19.83	0.096
1.4	16QAM	3	1	19.86	0.097	19.74	0.094	19.83	0.096
1.4	16QAM	3	3	19.57	0.091	19.56	0.090	19.78	0.095
1.4	16QAM	6	0	19.78	0.095	19.67	0.093	19.61	0.091
1.4	64QAM	1	0	19.80	0.095	19.80	0.095	19.83	0.096
1.4	64QAM	1	3	19.88	0.097	19.76	0.095	19.74	0.094
1.4	64QAM	1	5	19.58	0.091	19.71	0.094	19.81	0.096
1.4	64QAM	3	0	18.67	0.074	18.69	0.074	18.73	0.075
1.4	64QAM	3	1	18.73	0.075	18.80	0.076	18.69	0.074
1.4	64QAM	3	3	18.73	0.075	18.66	0.073	18.88	0.077
1.4	64QAM	6	0	18.60	0.072	18.70	0.074	18.77	0.075



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20450		20525		20600	
Frequency (MHz)				829		836.5		844	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	19.04	0.080	19.09	0.081	19.00	0.079
10	QPSK	1	25	18.97	0.079	19.05	0.080	18.98	0.079
10	QPSK	1	49	18.93	0.078	19.00	0.079	18.97	0.079
10	QPSK	25	0	18.20	0.066	18.21	0.066	18.13	0.065
10	QPSK	25	12	17.94	0.062	17.94	0.062	18.21	0.066
10	QPSK	25	25	18.21	0.066	17.99	0.063	18.24	0.067
10	QPSK	50	0	18.23	0.067	18.23	0.067	18.18	0.066
10	16QAM	1	0	18.22	0.066	18.24	0.067	18.13	0.065
10	16QAM	1	25	18.14	0.065	18.22	0.066	17.98	0.063
10	16QAM	1	49	18.12	0.065	17.97	0.063	18.07	0.064
10	16QAM	25	0	17.06	0.051	17.26	0.053	17.29	0.054
10	16QAM	25	12	17.19	0.052	17.20	0.052	17.03	0.050
10	16QAM	25	25	17.13	0.052	17.08	0.051	17.16	0.052
10	16QAM	50	0	17.03	0.050	16.91	0.049	17.00	0.050
10	64QAM	1	0	17.08	0.051	17.19	0.052	17.10	0.051
10	64QAM	1	25	17.03	0.050	17.20	0.052	17.07	0.051
10	64QAM	1	49	17.12	0.052	16.98	0.050	16.99	0.050
10	64QAM	25	0	16.13	0.041	16.11	0.041	16.15	0.041
10	64QAM	25	12	16.19	0.042	16.25	0.042	16.17	0.041
10	64QAM	25	25	16.06	0.040	16.35	0.043	16.14	0.041
10	64QAM	50	0	16.17	0.041	16.16	0.041	16.21	0.042



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	18.94	0.078	18.99	0.079	18.90	0.078
5	QPSK	1	12	18.87	0.077	18.95	0.079	18.88	0.077
5	QPSK	1	24	18.83	0.076	18.90	0.078	18.87	0.077
5	QPSK	12	0	18.10	0.065	18.11	0.065	18.03	0.064
5	QPSK	12	7	17.84	0.061	17.84	0.061	18.11	0.065
5	QPSK	12	13	18.11	0.065	17.89	0.062	18.14	0.065
5	QPSK	25	0	18.13	0.065	18.13	0.065	18.08	0.064
5	16QAM	1	0	18.12	0.065	18.14	0.065	18.03	0.064
5	16QAM	1	12	18.04	0.064	18.12	0.065	17.88	0.061
5	16QAM	1	24	18.02	0.063	17.87	0.061	17.97	0.063
5	16QAM	12	0	16.96	0.050	17.16	0.052	17.19	0.052
5	16QAM	12	7	17.09	0.051	17.10	0.051	16.93	0.049
5	16QAM	12	13	17.03	0.050	16.98	0.050	17.06	0.051
5	16QAM	25	0	16.93	0.049	16.81	0.048	16.90	0.049
5	64QAM	1	0	16.98	0.050	17.09	0.051	17.00	0.050
5	64QAM	1	12	16.93	0.049	17.10	0.051	16.97	0.050
5	64QAM	1	24	17.02	0.050	16.88	0.049	16.89	0.049
5	64QAM	12	0	16.03	0.040	16.01	0.040	16.05	0.040
5	64QAM	12	7	16.09	0.041	16.15	0.041	16.07	0.040
5	64QAM	12	13	15.96	0.039	16.25	0.042	16.04	0.040
5	64QAM	25	0	16.07	0.040	16.06	0.040	16.11	0.041



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	18.84	0.077	18.89	0.077	18.80	0.076
3	QPSK	1	8	18.77	0.075	18.85	0.077	18.78	0.076
3	QPSK	1	14	18.73	0.075	18.80	0.076	18.77	0.075
3	QPSK	8	0	18.00	0.063	18.01	0.063	17.93	0.062
3	QPSK	8	4	17.74	0.059	17.74	0.059	18.01	0.063
3	QPSK	8	7	18.01	0.063	17.79	0.060	18.04	0.064
3	QPSK	15	0	18.03	0.064	18.03	0.064	17.98	0.063
3	16QAM	1	0	18.02	0.063	18.04	0.064	17.93	0.062
3	16QAM	1	8	17.94	0.062	18.02	0.063	17.78	0.060
3	16QAM	1	14	17.92	0.062	17.77	0.060	17.87	0.061
3	16QAM	8	0	16.86	0.049	17.06	0.051	17.09	0.051
3	16QAM	8	4	16.99	0.050	17.00	0.050	16.83	0.048
3	16QAM	8	7	16.93	0.049	16.88	0.049	16.96	0.050
3	16QAM	15	0	16.83	0.048	16.71	0.047	16.80	0.048
3	64QAM	1	0	16.88	0.049	16.99	0.050	16.90	0.049
3	64QAM	1	8	16.83	0.048	17.00	0.050	16.87	0.049
3	64QAM	1	14	16.92	0.049	16.78	0.048	16.79	0.048
3	64QAM	8	0	15.93	0.039	15.91	0.039	15.95	0.039
3	64QAM	8	4	15.99	0.040	16.05	0.040	15.97	0.040
3	64QAM	8	7	15.86	0.039	16.15	0.041	15.94	0.039
3	64QAM	15	0	15.97	0.040	15.96	0.039	16.01	0.040





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	18.74	0.075	18.79	0.076	18.70	0.074
1.4	QPSK	1	3	18.67	0.074	18.75	0.075	18.68	0.074
1.4	QPSK	1	5	18.63	0.073	18.70	0.074	18.67	0.074
1.4	QPSK	3	0	17.90	0.062	17.91	0.062	17.83	0.061
1.4	QPSK	3	1	17.64	0.058	17.64	0.058	17.91	0.062
1.4	QPSK	3	3	17.91	0.062	17.69	0.059	17.94	0.062
1.4	QPSK	6	0	17.93	0.062	17.93	0.062	17.88	0.061
1.4	16QAM	1	0	17.92	0.062	17.94	0.062	17.83	0.061
1.4	16QAM	1	3	17.84	0.061	17.92	0.062	17.68	0.059
1.4	16QAM	1	5	17.82	0.061	17.67	0.058	17.77	0.060
1.4	16QAM	3	0	16.76	0.047	16.96	0.050	16.99	0.050
1.4	16QAM	3	1	16.89	0.049	16.90	0.049	16.73	0.047
1.4	16QAM	3	3	16.83	0.048	16.78	0.048	16.86	0.049
1.4	16QAM	6	0	16.73	0.047	16.61	0.046	16.70	0.047
1.4	64QAM	1	0	16.78	0.048	16.89	0.049	16.80	0.048
1.4	64QAM	1	3	16.73	0.047	16.90	0.049	16.77	0.048
1.4	64QAM	1	5	16.82	0.048	16.68	0.047	16.69	0.047
1.4	64QAM	3	0	15.83	0.038	15.81	0.038	15.85	0.038
1.4	64QAM	3	1	15.89	0.039	15.95	0.039	15.87	0.039
1.4	64QAM	3	3	15.76	0.038	16.05	0.040	15.84	0.038
1.4	64QAM	6	0	15.87	0.039	15.86	0.039	15.91	0.039



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20850		21100		21350	
Frequency (MHz)				2510		2535		2560	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	22.44	0.175	22.49	0.177	22.44	0.175
20	QPSK	1	49	22.43	0.175	22.45	0.176	22.43	0.175
20	QPSK	1	99	22.49	0.177	22.40	0.174	22.51	0.178
20	QPSK	50	0	21.57	0.144	21.70	0.148	21.51	0.142
20	QPSK	50	24	21.46	0.140	21.52	0.142	21.60	0.145
20	QPSK	50	50	21.61	0.145	21.60	0.145	21.69	0.148
20	QPSK	100	0	21.50	0.141	21.50	0.141	21.49	0.141
20	16QAM	1	0	21.67	0.147	21.74	0.149	21.67	0.147
20	16QAM	1	49	21.74	0.149	21.69	0.148	21.57	0.144
20	16QAM	1	99	21.44	0.139	21.46	0.140	21.69	0.148
20	16QAM	50	0	20.45	0.111	20.77	0.119	20.72	0.118
20	16QAM	50	24	20.55	0.114	20.70	0.117	20.44	0.111
20	16QAM	50	50	20.46	0.111	20.47	0.111	20.60	0.115
20	16QAM	100	0	20.50	0.112	20.42	0.110	20.44	0.111
20	64QAM	1	0	20.51	0.112	20.75	0.119	20.63	0.116
20	64QAM	1	49	20.70	0.117	20.62	0.115	20.67	0.117
20	64QAM	1	99	20.36	0.109	20.72	0.118	20.41	0.110
20	64QAM	50	0	19.78	0.095	19.62	0.092	19.72	0.094
20	64QAM	50	24	19.58	0.091	19.62	0.092	19.49	0.089
20	64QAM	50	50	19.76	0.095	19.66	0.092	19.65	0.092
20	64QAM	100	0	19.50	0.089	19.83	0.096	19.72	0.094



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20825		21100		21375	
Frequency (MHz)				2507.5		2535		2562.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	22.39	0.173	22.44	0.175	22.39	0.173
15	QPSK	1	37	22.38	0.173	22.40	0.174	22.38	0.173
15	QPSK	1	74	22.44	0.175	22.35	0.172	22.46	0.176
15	QPSK	36	0	21.52	0.142	21.65	0.146	21.46	0.140
15	QPSK	36	20	21.41	0.138	21.47	0.140	21.55	0.143
15	QPSK	36	39	21.56	0.143	21.55	0.143	21.64	0.146
15	QPSK	75	0	21.45	0.140	21.45	0.140	21.44	0.139
15	16QAM	1	0	21.62	0.145	21.69	0.148	21.62	0.145
15	16QAM	1	37	21.69	0.148	21.64	0.146	21.52	0.142
15	16QAM	1	74	21.39	0.138	21.41	0.138	21.64	0.146
15	16QAM	36	0	20.40	0.110	20.72	0.118	20.67	0.117
15	16QAM	36	20	20.50	0.112	20.65	0.116	20.39	0.109
15	16QAM	36	39	20.41	0.110	20.42	0.110	20.55	0.114
15	16QAM	75	0	20.45	0.111	20.37	0.109	20.39	0.109
15	64QAM	1	0	20.46	0.111	20.70	0.117	20.58	0.114
15	64QAM	1	37	20.65	0.116	20.57	0.114	20.62	0.115
15	64QAM	1	74	20.31	0.107	20.67	0.117	20.36	0.109
15	64QAM	36	0	19.73	0.094	19.57	0.091	19.67	0.093
15	64QAM	36	20	19.53	0.090	19.57	0.091	19.44	0.088
15	64QAM	36	39	19.71	0.094	19.61	0.091	19.60	0.091
15	64QAM	75	0	19.45	0.088	19.78	0.095	19.67	0.093



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	22.34	0.171	22.39	0.173	22.34	0.171
10	QPSK	1	25	22.33	0.171	22.35	0.172	22.33	0.171
10	QPSK	1	49	22.39	0.173	22.30	0.170	22.41	0.174
10	QPSK	25	0	21.47	0.140	21.60	0.145	21.41	0.138
10	QPSK	25	12	21.36	0.137	21.42	0.139	21.50	0.141
10	QPSK	25	25	21.51	0.142	21.50	0.141	21.59	0.144
10	QPSK	50	0	21.40	0.138	21.40	0.138	21.39	0.138
10	16QAM	1	0	21.57	0.144	21.64	0.146	21.57	0.144
10	16QAM	1	25	21.64	0.146	21.59	0.144	21.47	0.140
10	16QAM	1	49	21.34	0.136	21.36	0.137	21.59	0.144
10	16QAM	25	0	20.35	0.108	20.67	0.117	20.62	0.115
10	16QAM	25	12	20.45	0.111	20.60	0.115	20.34	0.108
10	16QAM	25	25	20.36	0.109	20.37	0.109	20.50	0.112
10	16QAM	50	0	20.40	0.110	20.32	0.108	20.34	0.108
10	64QAM	1	0	20.41	0.110	20.65	0.116	20.53	0.113
10	64QAM	1	25	20.60	0.115	20.52	0.113	20.57	0.114
10	64QAM	1	49	20.26	0.106	20.62	0.115	20.31	0.107
10	64QAM	25	0	19.68	0.093	19.52	0.090	19.62	0.092
10	64QAM	25	12	19.48	0.089	19.52	0.090	19.39	0.087
10	64QAM	25	25	19.66	0.092	19.56	0.090	19.55	0.090
10	64QAM	50	0	19.40	0.087	19.73	0.094	19.62	0.092



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20775		21100		21425	
Frequency (MHz)				2502.5		2535		2567.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	22.29	0.169	22.34	0.171	22.29	0.169
5	QPSK	1	12	22.28	0.169	22.30	0.170	22.28	0.169
5	QPSK	1	24	22.34	0.171	22.25	0.168	22.36	0.172
5	QPSK	12	0	21.42	0.139	21.55	0.143	21.36	0.137
5	QPSK	12	7	21.31	0.135	21.37	0.137	21.45	0.140
5	QPSK	12	13	21.46	0.140	21.45	0.140	21.54	0.143
5	QPSK	25	0	21.35	0.136	21.35	0.136	21.34	0.136
5	16QAM	1	0	21.52	0.142	21.59	0.144	21.52	0.142
5	16QAM	1	12	21.59	0.144	21.54	0.143	21.42	0.139
5	16QAM	1	24	21.29	0.135	21.31	0.135	21.54	0.143
5	16QAM	12	0	20.30	0.107	20.62	0.115	20.57	0.114
5	16QAM	12	7	20.40	0.110	20.55	0.114	20.29	0.107
5	16QAM	12	13	20.31	0.107	20.32	0.108	20.45	0.111
5	16QAM	25	0	20.35	0.108	20.27	0.106	20.29	0.107
5	64QAM	1	0	20.36	0.109	20.60	0.115	20.48	0.112
5	64QAM	1	12	20.55	0.114	20.47	0.111	20.52	0.113
5	64QAM	1	24	20.21	0.105	20.57	0.114	20.26	0.106
5	64QAM	12	0	19.63	0.092	19.47	0.089	19.57	0.091
5	64QAM	12	7	19.43	0.088	19.47	0.089	19.34	0.086
5	64QAM	12	13	19.61	0.091	19.51	0.089	19.50	0.089
5	64QAM	25	0	19.35	0.086	19.68	0.093	19.57	0.091



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	17.36	0.054	17.54	0.057	17.45	0.056
10	QPSK	1	25	17.46	0.056	17.45	0.056	17.52	0.056
10	QPSK	1	49	17.42	0.055	17.45	0.056	17.50	0.056
10	QPSK	25	0	16.63	0.046	16.74	0.047	16.47	0.044
10	QPSK	25	12	16.61	0.046	16.65	0.046	16.55	0.045
10	QPSK	25	25	16.51	0.045	16.70	0.047	16.73	0.047
10	QPSK	50	0	16.51	0.045	16.63	0.046	16.48	0.044
10	16QAM	1	0	16.69	0.047	16.65	0.046	16.61	0.046
10	16QAM	1	25	16.78	0.048	16.53	0.045	16.52	0.045
10	16QAM	1	49	16.44	0.044	16.57	0.045	16.56	0.045
10	16QAM	25	0	15.72	0.037	15.80	0.038	15.76	0.038
10	16QAM	25	12	15.62	0.036	15.64	0.037	15.59	0.036
10	16QAM	25	25	15.68	0.037	15.53	0.036	15.72	0.037
10	16QAM	50	0	15.52	0.036	15.56	0.036	15.39	0.035
10	64QAM	1	0	15.40	0.035	15.81	0.038	15.80	0.038
10	64QAM	1	25	15.66	0.037	15.62	0.036	15.79	0.038
10	64QAM	1	49	15.57	0.036	15.61	0.036	15.52	0.036
10	64QAM	25	0	14.57	0.029	14.67	0.029	14.52	0.028
10	64QAM	25	12	14.54	0.028	14.48	0.028	14.49	0.028
10	64QAM	25	25	14.81	0.030	14.54	0.028	14.60	0.029
10	64QAM	50	0	14.51	0.028	14.52	0.028	14.66	0.029



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23035		23095		23155	
Frequency (MHz)				701.5		707.5		713.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	17.27	0.053	17.45	0.056	17.36	0.054
5	QPSK	1	12	17.37	0.055	17.36	0.054	17.43	0.055
5	QPSK	1	24	17.33	0.054	17.36	0.054	17.41	0.055
5	QPSK	12	0	16.54	0.045	16.65	0.046	16.38	0.043
5	QPSK	12	7	16.52	0.045	16.56	0.045	16.46	0.044
5	QPSK	12	13	16.42	0.044	16.61	0.046	16.64	0.046
5	QPSK	25	0	16.42	0.044	16.54	0.045	16.39	0.044
5	16QAM	1	0	16.60	0.046	16.56	0.045	16.52	0.045
5	16QAM	1	12	16.69	0.047	16.44	0.044	16.43	0.044
5	16QAM	1	24	16.35	0.043	16.48	0.044	16.47	0.044
5	16QAM	12	0	15.63	0.037	15.71	0.037	15.67	0.037
5	16QAM	12	7	15.53	0.036	15.55	0.036	15.50	0.035
5	16QAM	12	13	15.59	0.036	15.44	0.035	15.63	0.037
5	16QAM	25	0	15.43	0.035	15.47	0.035	15.30	0.034
5	64QAM	1	0	15.31	0.034	15.72	0.037	15.71	0.037
5	64QAM	1	12	15.57	0.036	15.53	0.036	15.70	0.037
5	64QAM	1	24	15.48	0.035	15.52	0.036	15.43	0.035
5	64QAM	12	0	14.48	0.028	14.58	0.029	14.43	0.028
5	64QAM	12	7	14.45	0.028	14.39	0.027	14.40	0.028
5	64QAM	12	13	14.72	0.030	14.45	0.028	14.51	0.028
5	64QAM	25	0	14.42	0.028	14.43	0.028	14.57	0.029



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	17.18	0.052	17.36	0.054	17.27	0.053
3	QPSK	1	8	17.28	0.053	17.27	0.053	17.34	0.054
3	QPSK	1	14	17.24	0.053	17.27	0.053	17.32	0.054
3	QPSK	8	0	16.45	0.044	16.56	0.045	16.29	0.043
3	QPSK	8	4	16.43	0.044	16.47	0.044	16.37	0.043
3	QPSK	8	7	16.33	0.043	16.52	0.045	16.55	0.045
3	QPSK	15	0	16.33	0.043	16.45	0.044	16.30	0.043
3	16QAM	1	0	16.51	0.045	16.47	0.044	16.43	0.044
3	16QAM	1	8	16.60	0.046	16.35	0.043	16.34	0.043
3	16QAM	1	14	16.26	0.042	16.39	0.044	16.38	0.043
3	16QAM	8	0	15.54	0.036	15.62	0.036	15.58	0.036
3	16QAM	8	4	15.44	0.035	15.46	0.035	15.41	0.035
3	16QAM	8	7	15.50	0.035	15.35	0.034	15.54	0.036
3	16QAM	15	0	15.34	0.034	15.38	0.035	15.21	0.033
3	64QAM	1	0	15.22	0.033	15.63	0.037	15.62	0.036
3	64QAM	1	8	15.48	0.035	15.44	0.035	15.61	0.036
3	64QAM	1	14	15.39	0.035	15.43	0.035	15.34	0.034
3	64QAM	8	0	14.39	0.027	14.49	0.028	14.34	0.027
3	64QAM	8	4	14.36	0.027	14.30	0.027	14.31	0.027
3	64QAM	8	7	14.63	0.029	14.36	0.027	14.42	0.028
3	64QAM	15	0	14.33	0.027	14.34	0.027	14.48	0.028





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	17.13	0.052	17.31	0.054	17.22	0.053
1.4	QPSK	1	3	17.23	0.053	17.22	0.053	17.29	0.054
1.4	QPSK	1	5	17.19	0.052	17.22	0.053	17.27	0.053
1.4	QPSK	3	0	16.40	0.044	16.51	0.045	16.24	0.042
1.4	QPSK	3	1	16.38	0.043	16.42	0.044	16.32	0.043
1.4	QPSK	3	3	16.28	0.042	16.47	0.044	16.50	0.045
1.4	QPSK	6	0	16.28	0.042	16.40	0.044	16.25	0.042
1.4	16QAM	1	0	16.46	0.044	16.42	0.044	16.38	0.043
1.4	16QAM	1	3	16.55	0.045	16.30	0.043	16.29	0.043
1.4	16QAM	1	5	16.21	0.042	16.34	0.043	16.33	0.043
1.4	16QAM	3	0	15.49	0.035	15.57	0.036	15.53	0.036
1.4	16QAM	3	1	15.39	0.035	15.41	0.035	15.36	0.034
1.4	16QAM	3	3	15.45	0.035	15.30	0.034	15.49	0.035
1.4	16QAM	6	0	15.29	0.034	15.33	0.034	15.16	0.033
1.4	64QAM	1	0	15.17	0.033	15.42	0.035	15.40	0.035
1.4	64QAM	1	3	15.35	0.034	15.39	0.035	15.35	0.034
1.4	64QAM	1	5	15.34	0.034	15.38	0.035	15.29	0.034
1.4	64QAM	3	0	14.34	0.027	14.44	0.028	14.29	0.027
1.4	64QAM	3	1	14.31	0.027	14.25	0.027	14.26	0.027
1.4	64QAM	3	3	14.58	0.029	14.31	0.027	14.37	0.027
1.4	64QAM	6	0	14.28	0.027	14.29	0.027	14.43	0.028



LTE Band 17				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23780		23790		23800	
Frequency (MHz)				709		710		711	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	17.71	0.059	17.79	0.060	17.75	0.060
10	QPSK	1	25	17.37	0.055	17.56	0.057	17.46	0.056
10	QPSK	1	49	17.57	0.057	17.49	0.056	17.53	0.057
10	QPSK	25	0	16.49	0.045	16.73	0.047	16.61	0.046
10	QPSK	25	12	16.53	0.045	16.65	0.046	16.64	0.046
10	QPSK	25	25	16.72	0.047	16.49	0.045	16.56	0.045
10	QPSK	50	0	16.60	0.046	16.60	0.046	16.63	0.046
10	16QAM	1	0	16.67	0.046	16.74	0.047	16.66	0.046
10	16QAM	1	25	16.61	0.046	16.57	0.045	16.44	0.044
10	16QAM	1	49	16.69	0.047	16.42	0.044	16.65	0.046
10	16QAM	25	0	15.53	0.036	15.54	0.036	15.59	0.036
10	16QAM	25	12	15.50	0.035	15.61	0.036	15.45	0.035
10	16QAM	25	25	15.70	0.037	15.52	0.036	15.66	0.037
10	16QAM	50	0	15.38	0.035	15.63	0.037	15.62	0.036
10	64QAM	1	0	15.41	0.035	15.68	0.037	15.75	0.038
10	64QAM	1	25	15.57	0.036	15.55	0.036	15.70	0.037
10	64QAM	1	49	15.56	0.036	15.71	0.037	15.53	0.036
10	64QAM	25	0	14.61	0.029	14.78	0.030	14.76	0.030
10	64QAM	25	12	14.68	0.029	14.66	0.029	14.60	0.029
10	64QAM	25	25	14.59	0.029	14.51	0.028	14.57	0.029
10	64QAM	50	0	14.66	0.029	14.64	0.029	14.62	0.029



LTE Band 17				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23755		23790		23825	
Frequency (MHz)				706.5		710		713.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	17.62	0.058	17.70	0.059	17.66	0.058
5	QPSK	1	12	17.28	0.053	17.47	0.056	17.37	0.055
5	QPSK	1	24	17.48	0.056	17.40	0.055	17.44	0.055
5	QPSK	12	0	16.40	0.044	16.64	0.046	16.52	0.045
5	QPSK	12	7	16.44	0.044	16.56	0.045	16.55	0.045
5	QPSK	12	13	16.63	0.046	16.40	0.044	16.47	0.044
5	QPSK	25	0	16.51	0.045	16.51	0.045	16.54	0.045
5	16QAM	1	0	16.58	0.045	16.65	0.046	16.57	0.045
5	16QAM	1	12	16.52	0.045	16.48	0.044	16.35	0.043
5	16QAM	1	24	16.60	0.046	16.33	0.043	16.56	0.045
5	16QAM	12	0	15.44	0.035	15.45	0.035	15.50	0.035
5	16QAM	12	7	15.41	0.035	15.52	0.036	15.36	0.034
5	16QAM	12	13	15.61	0.036	15.43	0.035	15.57	0.036
5	16QAM	25	0	15.29	0.034	15.54	0.036	15.53	0.036
5	64QAM	1	0	15.32	0.034	15.59	0.036	15.66	0.037
5	64QAM	1	12	15.48	0.035	15.46	0.035	15.61	0.036
5	64QAM	1	24	15.47	0.035	15.62	0.036	15.44	0.035
5	64QAM	12	0	14.52	0.028	14.69	0.029	14.67	0.029
5	64QAM	12	7	14.59	0.029	14.57	0.029	14.51	0.028
5	64QAM	12	13	14.50	0.028	14.42	0.028	14.48	0.028
5	64QAM	25	0	14.57	0.029	14.55	0.029	14.53	0.028



LTE Band 38				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				37850		38000		38150	
Frequency (MHz)				2580		2595		2610	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	23.48	0.223	23.54	0.226	23.53	0.225
20	QPSK	1	49	23.44	0.221	23.50	0.224	23.35	0.216
20	QPSK	1	99	23.44	0.221	23.41	0.219	23.41	0.219
20	QPSK	50	0	22.58	0.181	22.62	0.183	22.46	0.176
20	QPSK	50	24	22.58	0.181	22.33	0.171	22.49	0.177
20	QPSK	50	50	22.44	0.175	22.40	0.174	22.52	0.179
20	QPSK	100	0	22.46	0.176	22.44	0.175	22.47	0.177
20	16QAM	1	0	22.44	0.175	22.63	0.183	22.60	0.182
20	16QAM	1	49	22.52	0.179	22.57	0.181	22.52	0.179
20	16QAM	1	99	22.50	0.178	22.43	0.175	22.69	0.186
20	16QAM	50	0	21.51	0.142	21.61	0.145	21.56	0.143
20	16QAM	50	24	21.54	0.143	21.54	0.143	21.48	0.141
20	16QAM	50	50	21.53	0.142	21.45	0.140	21.66	0.147
20	16QAM	100	0	21.51	0.142	21.48	0.141	21.58	0.144
20	64QAM	1	0	21.57	0.144	21.71	0.148	21.74	0.149
20	64QAM	1	49	21.56	0.143	21.46	0.140	21.40	0.138
20	64QAM	1	99	21.44	0.139	21.64	0.146	21.36	0.137
20	64QAM	50	0	20.66	0.116	20.66	0.116	20.61	0.115
20	64QAM	50	24	20.52	0.113	20.42	0.110	20.65	0.116
20	64QAM	50	50	20.56	0.114	20.67	0.117	20.54	0.113
20	64QAM	100	0	20.53	0.113	20.49	0.112	20.56	0.114



LTE Band 38				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				37825		38000		38175	
Frequency (MHz)				2577.5		2595		2612.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	23.39	0.218	23.45	0.221	23.44	0.221
15	QPSK	1	37	23.35	0.216	23.41	0.219	23.26	0.212
15	QPSK	1	74	23.35	0.216	23.32	0.215	23.32	0.215
15	QPSK	36	0	22.49	0.177	22.53	0.179	22.37	0.173
15	QPSK	36	20	22.49	0.177	22.24	0.167	22.40	0.174
15	QPSK	36	39	22.35	0.172	22.31	0.170	22.43	0.175
15	QPSK	75	0	22.37	0.173	22.35	0.172	22.38	0.173
15	16QAM	1	0	22.35	0.172	22.54	0.179	22.51	0.178
15	16QAM	1	37	22.43	0.175	22.48	0.177	22.43	0.175
15	16QAM	1	74	22.41	0.174	22.34	0.171	22.60	0.182
15	16QAM	36	0	21.42	0.139	21.52	0.142	21.47	0.140
15	16QAM	36	20	21.45	0.140	21.45	0.140	21.39	0.138
15	16QAM	36	39	21.44	0.139	21.36	0.137	21.57	0.144
15	16QAM	75	0	21.42	0.139	21.39	0.138	21.49	0.141
15	64QAM	1	0	21.48	0.141	21.62	0.145	21.65	0.146
15	64QAM	1	37	21.47	0.140	21.37	0.137	21.31	0.135
15	64QAM	1	74	21.35	0.136	21.55	0.143	21.27	0.134
15	64QAM	36	0	20.57	0.114	20.57	0.114	20.52	0.113
15	64QAM	36	20	20.43	0.110	20.33	0.108	20.56	0.114
15	64QAM	36	39	20.47	0.111	20.58	0.114	20.45	0.111
15	64QAM	75	0	20.44	0.111	20.40	0.110	20.47	0.111



LTE Band 38				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				37800		38000		38200	
Frequency (MHz)				2575		2595		2615	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	23.30	0.214	23.36	0.217	23.35	0.216
10	QPSK	1	25	23.26	0.212	23.32	0.215	23.17	0.207
10	QPSK	1	49	23.26	0.212	23.23	0.210	23.23	0.210
10	QPSK	25	0	22.40	0.174	22.44	0.175	22.28	0.169
10	QPSK	25	12	22.40	0.174	22.15	0.164	22.31	0.170
10	QPSK	25	25	22.26	0.168	22.22	0.167	22.34	0.171
10	QPSK	50	0	22.28	0.169	22.26	0.168	22.29	0.169
10	16QAM	1	0	22.26	0.168	22.45	0.176	22.42	0.175
10	16QAM	1	25	22.34	0.171	22.39	0.173	22.34	0.171
10	16QAM	1	49	22.32	0.171	22.25	0.168	22.51	0.178
10	16QAM	25	0	21.33	0.136	21.43	0.139	21.38	0.137
10	16QAM	25	12	21.36	0.137	21.36	0.137	21.30	0.135
10	16QAM	25	25	21.35	0.136	21.27	0.134	21.48	0.141
10	16QAM	50	0	21.33	0.136	21.30	0.135	21.40	0.138
10	64QAM	1	0	21.39	0.138	21.53	0.142	21.56	0.143
10	64QAM	1	25	21.38	0.137	21.28	0.134	21.22	0.132
10	64QAM	1	49	21.26	0.134	21.46	0.140	21.18	0.131
10	64QAM	25	0	20.48	0.112	20.48	0.112	20.43	0.110
10	64QAM	25	12	20.34	0.108	20.24	0.106	20.47	0.111
10	64QAM	25	25	20.38	0.109	20.49	0.112	20.36	0.109
10	64QAM	50	0	20.35	0.108	20.31	0.107	20.38	0.109



LTE Band 38				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				37775		38000		38225	
Frequency (MHz)				2572.5		2595		2617.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	23.21	0.209	23.27	0.212	23.26	0.212
5	QPSK	1	12	23.17	0.207	23.23	0.210	23.08	0.203
5	QPSK	1	24	23.17	0.207	23.14	0.206	23.14	0.206
5	QPSK	12	0	22.31	0.170	22.35	0.172	22.19	0.166
5	QPSK	12	7	22.31	0.170	22.06	0.161	22.22	0.167
5	QPSK	12	13	22.17	0.165	22.13	0.163	22.25	0.168
5	QPSK	25	0	22.19	0.166	22.17	0.165	22.20	0.166
5	16QAM	1	0	22.17	0.165	22.36	0.172	22.33	0.171
5	16QAM	1	12	22.25	0.168	22.30	0.170	22.25	0.168
5	16QAM	1	24	22.23	0.167	22.16	0.164	22.42	0.175
5	16QAM	12	0	21.24	0.133	21.34	0.136	21.29	0.135
5	16QAM	12	7	21.27	0.134	21.27	0.134	21.21	0.132
5	16QAM	12	13	21.26	0.134	21.18	0.131	21.39	0.138
5	16QAM	25	0	21.24	0.133	21.21	0.132	21.31	0.135
5	64QAM	1	0	21.30	0.135	21.44	0.139	21.47	0.140
5	64QAM	1	12	21.29	0.135	21.19	0.132	21.13	0.130
5	64QAM	1	24	21.17	0.131	21.37	0.137	21.09	0.129
5	64QAM	12	0	20.39	0.109	20.39	0.109	20.34	0.108
5	64QAM	12	7	20.25	0.106	20.15	0.104	20.38	0.109
5	64QAM	12	13	20.29	0.107	20.40	0.110	20.27	0.106
5	64QAM	25	0	20.26	0.106	20.22	0.105	20.29	0.107



LTE Band 40, Block A				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				/		38750		/	
Frequency (MHz)				/		2310		/	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	/	/	24.40	0.275	/	/
10	QPSK	1	25	/	/	24.29	0.269	/	/
10	QPSK	1	49	/	/	24.18	0.262	/	/
10	QPSK	25	0	/	/	23.45	0.221	/	/
10	QPSK	25	12	/	/	23.40	0.219	/	/
10	QPSK	25	25	/	/	23.30	0.214	/	/
10	QPSK	50	0	/	/	23.28	0.213	/	/
10	16QAM	1	0	/	/	23.22	0.210	/	/
10	16QAM	1	25	/	/	23.12	0.205	/	/
10	16QAM	1	49	/	/	23.10	0.204	/	/
10	16QAM	25	0	/	/	22.50	0.178	/	/
10	16QAM	25	12	/	/	22.43	0.175	/	/
10	16QAM	25	25	/	/	22.42	0.175	/	/
10	16QAM	50	0	/	/	22.30	0.170	/	/
10	64QAM	1	0	/	/	22.50	0.178	/	/
10	64QAM	1	25	/	/	22.46	0.176	/	/
10	64QAM	1	49	/	/	22.43	0.175	/	/
10	64QAM	25	0	/	/	21.66	0.147	/	/
10	64QAM	25	12	/	/	21.55	0.143	/	/
10	64QAM	25	25	/	/	21.35	0.136	/	/
10	64QAM	50	0	/	/	21.43	0.139	/	/





LTE Band 40, Block A				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				38725		38750		38775	
Frequency (MHz)				2307.5		2310		2312.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	23.95	0.248	23.97	0.249	23.95	0.248
5	QPSK	1	12	23.91	0.246	23.84	0.242	23.93	0.247
5	QPSK	1	24	23.94	0.248	23.90	0.245	23.84	0.242
5	QPSK	12	0	22.96	0.198	23.09	0.204	23.00	0.200
5	QPSK	12	7	23.10	0.204	22.99	0.199	23.07	0.203
5	QPSK	12	13	23.01	0.200	22.98	0.199	23.08	0.203
5	QPSK	25	0	23.06	0.202	23.02	0.200	23.05	0.202
5	16QAM	1	0	23.28	0.213	23.27	0.212	23.31	0.214
5	16QAM	1	12	23.13	0.206	23.31	0.214	23.02	0.200
5	16QAM	1	24	23.05	0.202	23.20	0.209	23.23	0.210
5	16QAM	12	0	22.12	0.163	22.19	0.166	22.26	0.168
5	16QAM	12	7	22.05	0.160	22.08	0.161	22.08	0.161
5	16QAM	12	13	21.94	0.156	22.06	0.161	22.10	0.162
5	16QAM	25	0	22.17	0.165	22.05	0.160	22.16	0.164
5	64QAM	1	0	21.92	0.156	22.18	0.165	22.13	0.163
5	64QAM	1	12	22.11	0.163	22.28	0.169	22.07	0.161
5	64QAM	1	24	21.96	0.157	22.12	0.163	22.00	0.158
5	64QAM	12	0	21.28	0.134	21.09	0.129	21.20	0.132
5	64QAM	12	7	21.18	0.131	21.15	0.130	21.19	0.132
5	64QAM	12	13	21.17	0.131	21.30	0.135	21.05	0.127
5	64QAM	25	0	21.08	0.128	21.18	0.131	21.14	0.130



LTE Band 40, Block B				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				/		39200		/	
Frequency (MHz)				/		2355		/	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	/	/	24.37	0.274	/	/
10	QPSK	1	25	/	/	24.16	0.261	/	/
10	QPSK	1	49	/	/	24.02	0.252	/	/
10	QPSK	25	0	/	/	23.25	0.211	/	/
10	QPSK	25	12	/	/	23.21	0.209	/	/
10	QPSK	25	25	/	/	23.15	0.207	/	/
10	QPSK	50	0	/	/	23.18	0.208	/	/
10	16QAM	1	0	/	/	23.15	0.207	/	/
10	16QAM	1	25	/	/	23.00	0.200	/	/
10	16QAM	1	49	/	/	22.91	0.195	/	/
10	16QAM	25	0	/	/	22.36	0.172	/	/
10	16QAM	25	12	/	/	22.23	0.167	/	/
10	16QAM	25	25	/	/	22.18	0.165	/	/
10	16QAM	50	0	/	/	22.22	0.167	/	/
10	64QAM	1	0	/	/	22.13	0.163	/	/
10	64QAM	1	25	/	/	22.30	0.170	/	/
10	64QAM	1	49	/	/	22.19	0.166	/	/
10	64QAM	25	0	/	/	21.75	0.150	/	/
10	64QAM	25	12	/	/	21.30	0.135	/	/
10	64QAM	25	25	/	/	21.16	0.131	/	/
10	64QAM	50	0	/	/	21.00	0.126	/	/



LTE Band 40, Block B				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39175		39200		39225	
Frequency (MHz)				2352.5		2355		2357.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	23.84	0.242	23.93	0.247	23.89	0.245
5	QPSK	1	12	23.87	0.244	23.91	0.246	23.87	0.244
5	QPSK	1	24	23.84	0.242	23.88	0.244	23.84	0.242
5	QPSK	12	0	23.07	0.203	22.99	0.199	22.85	0.193
5	QPSK	12	7	23.02	0.200	22.85	0.193	22.95	0.197
5	QPSK	12	13	23.17	0.207	23.15	0.207	22.95	0.197
5	QPSK	25	0	22.89	0.195	22.89	0.195	22.85	0.193
5	16QAM	1	0	22.98	0.199	23.14	0.206	23.02	0.200
5	16QAM	1	12	22.85	0.193	22.87	0.194	22.94	0.197
5	16QAM	1	24	22.89	0.195	22.98	0.199	22.86	0.193
5	16QAM	12	0	21.84	0.153	22.11	0.163	22.05	0.160
5	16QAM	12	7	21.88	0.154	21.86	0.153	21.86	0.153
5	16QAM	12	13	22.05	0.160	21.86	0.153	22.04	0.160
5	16QAM	25	0	21.83	0.152	21.86	0.153	22.08	0.161
5	64QAM	1	0	22.00	0.158	22.12	0.163	22.05	0.160
5	64QAM	1	12	22.00	0.158	21.94	0.156	22.00	0.158
5	64QAM	1	24	21.88	0.154	22.01	0.159	21.93	0.156
5	64QAM	12	0	21.14	0.130	21.15	0.130	21.18	0.131
5	64QAM	12	7	20.94	0.124	21.02	0.126	20.87	0.122
5	64QAM	12	13	21.00	0.126	20.95	0.124	20.93	0.124
5	64QAM	25	0	20.97	0.125	21.04	0.127	21.04	0.127



LTE Band 41				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	23.80	0.240	23.94	0.248	23.71	0.235
20	QPSK	1	49	23.53	0.225	23.62	0.230	23.62	0.230
20	QPSK	1	99	23.55	0.226	23.48	0.223	23.67	0.233
20	QPSK	50	0	22.87	0.194	22.60	0.182	22.82	0.191
20	QPSK	50	24	22.52	0.179	22.63	0.183	22.64	0.184
20	QPSK	50	50	22.82	0.191	22.82	0.191	22.96	0.198
20	QPSK	100	0	22.49	0.177	22.64	0.184	22.62	0.183
20	16QAM	1	0	22.89	0.195	22.83	0.192	22.92	0.196
20	16QAM	1	49	22.77	0.189	22.94	0.197	22.85	0.193
20	16QAM	1	99	22.54	0.179	22.68	0.185	22.87	0.194
20	16QAM	50	0	21.75	0.150	21.74	0.149	21.93	0.156
20	16QAM	50	24	21.69	0.148	21.65	0.146	22.02	0.159
20	16QAM	50	50	21.56	0.143	21.57	0.144	21.66	0.147
20	16QAM	100	0	21.53	0.142	21.65	0.146	21.77	0.150
20	64QAM	1	0	21.75	0.150	21.73	0.149	21.88	0.154
20	64QAM	1	49	21.92	0.156	21.86	0.153	21.78	0.151
20	64QAM	1	99	21.64	0.146	21.52	0.142	21.59	0.144
20	64QAM	50	0	20.94	0.124	20.84	0.121	20.94	0.124
20	64QAM	50	24	20.89	0.123	20.62	0.115	20.66	0.116
20	64QAM	50	50	20.94	0.124	20.85	0.122	20.90	0.123
20	64QAM	100	0	20.58	0.114	20.74	0.119	20.60	0.115



LTE Band 41				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	23.70	0.234	23.84	0.242	23.61	0.230
15	QPSK	1	37	23.43	0.220	23.52	0.225	23.52	0.225
15	QPSK	1	74	23.45	0.221	23.38	0.218	23.57	0.228
15	QPSK	36	0	22.77	0.189	22.50	0.178	22.72	0.187
15	QPSK	36	20	22.42	0.175	22.53	0.179	22.54	0.179
15	QPSK	36	39	22.72	0.187	22.72	0.187	22.86	0.193
15	QPSK	75	0	22.39	0.173	22.54	0.179	22.52	0.179
15	16QAM	1	0	22.79	0.190	22.73	0.187	22.82	0.191
15	16QAM	1	37	22.67	0.185	22.84	0.192	22.75	0.188
15	16QAM	1	74	22.44	0.175	22.58	0.181	22.77	0.189
15	16QAM	36	0	21.65	0.146	21.64	0.146	21.83	0.152
15	16QAM	36	20	21.59	0.144	21.55	0.143	21.92	0.156
15	16QAM	36	39	21.46	0.140	21.47	0.140	21.56	0.143
15	16QAM	75	0	21.43	0.139	21.55	0.143	21.67	0.147
15	64QAM	1	0	21.65	0.146	21.63	0.146	21.78	0.151
15	64QAM	1	37	21.82	0.152	21.76	0.150	21.68	0.147
15	64QAM	1	74	21.54	0.143	21.42	0.139	21.49	0.141
15	64QAM	36	0	20.84	0.121	20.74	0.119	20.84	0.121
15	64QAM	36	20	20.79	0.120	20.52	0.113	20.56	0.114
15	64QAM	36	39	20.84	0.121	20.75	0.119	20.80	0.120
15	64QAM	75	0	20.48	0.112	20.64	0.116	20.50	0.112



LTE Band 41				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	23.61	0.230	23.75	0.237	23.52	0.225
10	QPSK	1	25	23.34	0.216	23.43	0.220	23.43	0.220
10	QPSK	1	49	23.36	0.217	23.29	0.213	23.48	0.223
10	QPSK	25	0	22.68	0.185	22.41	0.174	22.63	0.183
10	QPSK	25	12	22.33	0.171	22.44	0.175	22.45	0.176
10	QPSK	25	25	22.63	0.183	22.63	0.183	22.77	0.189
10	QPSK	50	0	22.30	0.170	22.45	0.176	22.43	0.175
10	16QAM	1	0	22.70	0.186	22.64	0.184	22.73	0.187
10	16QAM	1	25	22.58	0.181	22.75	0.188	22.66	0.185
10	16QAM	1	49	22.35	0.172	22.49	0.177	22.68	0.185
10	16QAM	25	0	21.56	0.143	21.55	0.143	21.74	0.149
10	16QAM	25	12	21.50	0.141	21.46	0.140	21.83	0.152
10	16QAM	25	25	21.37	0.137	21.38	0.137	21.47	0.140
10	16QAM	50	0	21.34	0.136	21.46	0.140	21.58	0.144
10	64QAM	1	0	21.56	0.143	21.54	0.143	21.69	0.148
10	64QAM	1	25	21.73	0.149	21.67	0.147	21.59	0.144
10	64QAM	1	49	21.45	0.140	21.33	0.136	21.40	0.138
10	64QAM	25	0	20.75	0.119	20.65	0.116	20.75	0.119
10	64QAM	25	12	20.70	0.117	20.43	0.110	20.47	0.111
10	64QAM	25	25	20.75	0.119	20.66	0.116	20.71	0.118
10	64QAM	50	0	20.39	0.109	20.55	0.114	20.41	0.110



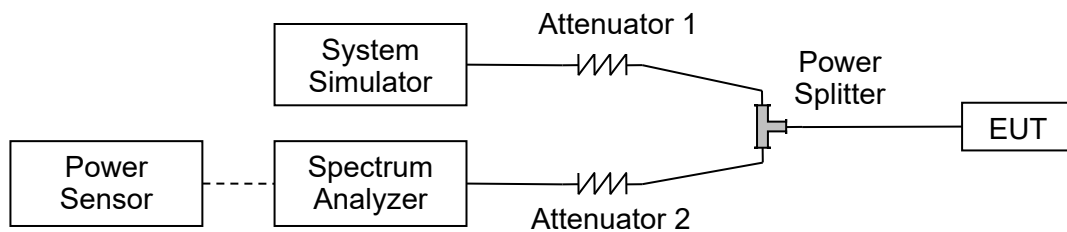
LTE Band 41				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39675		40620		41565	
Frequency (MHz)				2498.5		2593		2687.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	23.53	0.225	23.67	0.233	23.44	0.221
5	QPSK	1	12	23.26	0.212	23.35	0.216	23.35	0.216
5	QPSK	1	24	23.28	0.213	23.21	0.209	23.40	0.219
5	QPSK	12	0	22.60	0.182	22.33	0.171	22.55	0.180
5	QPSK	12	7	22.25	0.168	22.36	0.172	22.37	0.173
5	QPSK	12	13	22.55	0.180	22.55	0.180	22.69	0.186
5	QPSK	25	0	22.22	0.167	22.37	0.173	22.35	0.172
5	16QAM	1	0	22.62	0.183	22.56	0.180	22.65	0.184
5	16QAM	1	12	22.50	0.178	22.67	0.185	22.58	0.181
5	16QAM	1	24	22.27	0.169	22.41	0.174	22.60	0.182
5	16QAM	12	0	21.48	0.141	21.47	0.140	21.66	0.147
5	16QAM	12	7	21.42	0.139	21.38	0.137	21.75	0.150
5	16QAM	12	13	21.29	0.135	21.30	0.135	21.39	0.138
5	16QAM	25	0	21.26	0.134	21.38	0.137	21.50	0.141
5	64QAM	1	0	21.48	0.141	21.46	0.140	21.61	0.145
5	64QAM	1	12	21.65	0.146	21.59	0.144	21.51	0.142
5	64QAM	1	24	21.37	0.137	21.25	0.133	21.32	0.136
5	64QAM	12	0	20.67	0.117	20.57	0.114	20.67	0.117
5	64QAM	12	7	20.62	0.115	20.35	0.108	20.39	0.109
5	64QAM	12	13	20.67	0.117	20.58	0.114	20.63	0.116
5	64QAM	25	0	20.31	0.107	20.47	0.111	20.33	0.108

## 2.2. Occupied Bandwidth

### 2.2.1. Requirement

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

### 2.2.2. Test Description



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

### 2.2.3. Test Procedure

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

### 2.2.4. Test Result





LTE Band 2				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.29
	Low	16QAM	1.10	1.30
	Low	64QAM	1.10	1.30
	Mid	QPSK	1.09	1.27
	Mid	16QAM	1.10	1.29
	Mid	64QAM	1.10	1.30
	High	QPSK	1.09	1.28
	High	16QAM	1.10	1.31
	High	64QAM	1.10	1.29
3	Low	QPSK	2.69	2.90
	Low	16QAM	2.69	2.93
	Low	64QAM	2.70	2.92
	Mid	QPSK	2.69	2.91
	Mid	16QAM	2.69	2.93
	Mid	64QAM	2.69	2.92
	High	QPSK	2.69	2.92
	High	16QAM	2.70	2.93
	High	64QAM	2.70	2.91
5	Low	QPSK	4.49	4.92
	Low	16QAM	4.50	5.16
	Low	64QAM	4.50	4.92
	Mid	QPSK	4.50	5.21
	Mid	16QAM	4.50	4.96
	Mid	64QAM	4.50	4.91
	High	QPSK	4.50	4.94
	High	16QAM	4.51	4.96
	High	64QAM	4.50	4.97
10	Low	QPSK	9.00	9.78
	Low	16QAM	8.97	9.68
	Low	64QAM	8.98	9.79
	Mid	QPSK	9.01	9.72
	Mid	16QAM	8.98	9.93
	Mid	64QAM	8.99	9.76
	High	QPSK	9.01	9.70
	High	16QAM	8.99	9.71
	High	64QAM	9.00	9.79



15	Low	QPSK	13.48	14.62
	Low	16QAM	13.47	14.69
	Low	64QAM	13.46	14.69
	Mid	QPSK	13.50	14.54
	Mid	16QAM	13.50	14.60
	Mid	64QAM	13.46	14.68
	High	QPSK	13.48	14.60
	High	16QAM	13.48	14.54
	High	64QAM	13.49	14.53
20	Low	QPSK	17.96	19.42
	Low	16QAM	17.96	19.45
	Low	64QAM	17.99	19.38
	Mid	QPSK	18.02	19.42
	Mid	16QAM	18.00	19.40
	Mid	64QAM	18.00	19.56
	High	QPSK	17.97	19.40
	High	16QAM	17.96	20.21
	High	64QAM	17.99	19.43



LTE Band 4				
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	1.29
	Mid	QPSK	1.09	1.26
	Mid	16QAM	1.10	1.30
	Mid	64QAM	1.10	1.27
	High	QPSK	1.10	1.27
	High	16QAM	1.10	1.30
	High	64QAM	1.10	1.30
3	Low	QPSK	2.69	2.92
	Low	16QAM	2.70	2.93
	Low	64QAM	2.70	2.92
	Mid	QPSK	2.69	2.93
	Mid	16QAM	2.69	2.92
	Mid	64QAM	2.70	2.92
	High	QPSK	2.69	2.92
	High	16QAM	2.69	2.92
	High	64QAM	2.70	2.92
5	Low	QPSK	4.49	4.91
	Low	16QAM	4.49	4.91
	Low	64QAM	4.51	4.92
	Mid	QPSK	4.50	4.93
	Mid	16QAM	4.51	4.94
	Mid	64QAM	4.50	4.92
	High	QPSK	4.50	4.94
	High	16QAM	4.51	4.94
	High	64QAM	4.50	4.93
10	Low	QPSK	9.01	9.72
	Low	16QAM	8.98	9.69
	Low	64QAM	8.98	9.79
	Mid	QPSK	8.98	9.75
	Mid	16QAM	8.96	9.74
	Mid	64QAM	8.98	9.80
	High	QPSK	9.00	9.90
	High	16QAM	8.98	9.70
	High	64QAM	8.99	9.77



15	Low	QPSK	13.47	14.58
	Low	16QAM	13.48	14.61
	Low	64QAM	13.46	14.66
	Mid	QPSK	13.53	14.59
	Mid	16QAM	13.48	14.60
	Mid	64QAM	13.45	14.59
	High	QPSK	13.49	14.55
	High	16QAM	13.51	14.62
	High	64QAM	13.47	14.59
20	Low	QPSK	17.97	19.46
	Low	16QAM	18.04	19.47
	Low	64QAM	17.99	19.47
	Mid	QPSK	17.98	19.37
	Mid	16QAM	18.03	19.36
	Mid	64QAM	18.00	19.52
	High	QPSK	18.02	19.48
	High	16QAM	18.00	19.50
	High	64QAM	18.01	19.37



LTE Band 5				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.27
	Low	16QAM	1.10	1.28
	Low	64QAM	1.10	1.28
	Mid	QPSK	1.10	1.28
	Mid	16QAM	1.10	1.30
	Mid	64QAM	1.10	1.30
	High	QPSK	1.10	1.28
	High	16QAM	1.10	1.29
	High	64QAM	1.10	1.29
3	Low	QPSK	2.69	2.91
	Low	16QAM	2.70	3.03
	Low	64QAM	2.70	3.36
	Mid	QPSK	2.69	3.29
	Mid	16QAM	2.69	3.12
	Mid	64QAM	2.69	2.92
	High	QPSK	2.69	2.91
	High	16QAM	2.69	2.92
	High	64QAM	2.69	2.92
5	Low	QPSK	4.50	4.95
	Low	16QAM	4.50	4.96
	Low	64QAM	4.50	4.91
	Mid	QPSK	4.50	5.00
	Mid	16QAM	4.49	4.94
	Mid	64QAM	4.50	4.94
	High	QPSK	4.51	4.98
	High	16QAM	4.51	5.96
	High	64QAM	4.51	4.91
10	Low	QPSK	9.01	10.35
	Low	16QAM	8.96	9.68
	Low	64QAM	8.97	9.72
	Mid	QPSK	8.99	10.03
	Mid	16QAM	8.96	9.70
	Mid	64QAM	8.99	9.77
	High	QPSK	9.00	9.75
	High	16QAM	8.97	9.72
	High	64QAM	8.99	9.78



LTE Band 7				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.50	4.93
	Low	16QAM	4.49	4.92
	Low	64QAM	4.51	4.91
	Mid	QPSK	4.50	4.93
	Mid	16QAM	4.50	4.99
	Mid	64QAM	4.51	4.88
	High	QPSK	4.49	4.95
	High	16QAM	4.50	4.91
	High	64QAM	4.50	4.95
10	Low	QPSK	8.98	9.73
	Low	16QAM	8.97	9.72
	Low	64QAM	8.98	9.80
	Mid	QPSK	9.01	9.75
	Mid	16QAM	8.98	9.88
	Mid	64QAM	8.98	9.75
	High	QPSK	9.01	9.71
	High	16QAM	8.97	9.66
	High	64QAM	8.98	9.68
15	Low	QPSK	13.49	14.92
	Low	16QAM	13.47	14.73
	Low	64QAM	13.45	14.58
	Mid	QPSK	13.49	15.47
	Mid	16QAM	13.48	14.80
	Mid	64QAM	13.47	14.61
	High	QPSK	13.45	14.53
	High	16QAM	13.46	14.65
	High	64QAM	13.43	14.67
20	Low	QPSK	17.96	19.80
	Low	16QAM	18.00	19.60
	Low	64QAM	17.96	19.38
	Mid	QPSK	17.99	19.48
	Mid	16QAM	18.03	19.42
	Mid	64QAM	18.03	19.45
	High	QPSK	17.94	19.35
	High	16QAM	17.98	19.41
	High	64QAM	17.97	19.52



LTE Band 12				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.27
	Low	16QAM	1.10	1.30
	Low	64QAM	1.10	1.30
	Mid	QPSK	1.09	1.27
	Mid	16QAM	1.09	1.31
	Mid	64QAM	1.10	1.30
	High	QPSK	1.09	1.28
	High	16QAM	1.10	1.29
	High	64QAM	1.10	1.31
3	Low	QPSK	2.69	2.92
	Low	16QAM	2.69	2.93
	Low	64QAM	2.70	2.92
	Mid	QPSK	2.69	2.91
	Mid	16QAM	2.69	2.94
	Mid	64QAM	2.70	2.92
	High	QPSK	2.69	2.91
	High	16QAM	2.69	2.92
	High	64QAM	2.70	2.92
5	Low	QPSK	4.52	5.16
	Low	16QAM	4.53	5.43
	Low	64QAM	4.52	5.13
	Mid	QPSK	4.51	5.18
	Mid	16QAM	4.52	5.15
	Mid	64QAM	4.52	5.13
	High	QPSK	4.52	5.15
	High	16QAM	4.51	5.17
	High	64QAM	4.54	5.09
10	Low	QPSK	9.02	10.20
	Low	16QAM	9.00	9.96
	Low	64QAM	9.03	10.11
	Mid	QPSK	9.03	10.60
	Mid	16QAM	8.98	10.39
	Mid	64QAM	9.01	10.07
	High	QPSK	8.98	9.96
	High	16QAM	8.96	9.91
	High	64QAM	9.00	9.99



LTE Band 17				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.51	5.19
	Low	16QAM	4.52	5.17
	Low	64QAM	4.52	5.15
	Mid	QPSK	4.50	5.12
	Mid	16QAM	4.51	5.04
	Mid	64QAM	4.51	5.08
	High	QPSK	4.52	5.18
	High	16QAM	4.52	5.13
	High	64QAM	4.53	5.14
10	Low	QPSK	9.00	10.16
	Low	16QAM	8.95	9.82
	Low	64QAM	8.98	9.98
	Mid	QPSK	8.98	10.28
	Mid	16QAM	8.97	10.01
	Mid	64QAM	8.99	9.97
	High	QPSK	8.99	10.01
	High	16QAM	8.95	9.93
	High	64QAM	8.97	9.96





LTE Band 38				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.50	4.91
	Low	16QAM	4.51	5.06
	Low	64QAM	4.51	4.90
	Mid	QPSK	4.50	4.93
	Mid	16QAM	4.50	5.09
	Mid	64QAM	4.52	4.90
	High	QPSK	4.50	4.93
	High	16QAM	4.51	5.06
	High	64QAM	4.51	4.85
10	Low	QPSK	8.97	10.04
	Low	16QAM	8.99	10.15
	Low	64QAM	8.98	9.77
	Mid	QPSK	8.98	9.99
	Mid	16QAM	8.98	10.07
	Mid	64QAM	8.99	10.18
	High	QPSK	8.98	9.99
	High	16QAM	8.98	10.09
	High	64QAM	8.99	9.86
15	Low	QPSK	13.50	14.48
	Low	16QAM	13.47	14.54
	Low	64QAM	13.45	15.27
	Mid	QPSK	13.48	14.88
	Mid	16QAM	13.51	14.75
	Mid	64QAM	13.46	14.74
	High	QPSK	13.48	15.29
	High	16QAM	13.50	14.54
	High	64QAM	13.46	15.48
20	Low	QPSK	18.00	20.71
	Low	16QAM	17.98	19.37
	Low	64QAM	18.01	19.66
	Mid	QPSK	17.97	20.29
	Mid	16QAM	17.96	20.10
	Mid	64QAM	17.97	20.94
	High	QPSK	17.98	19.61
	High	16QAM	17.98	19.41
	High	64QAM	18.00	19.40



LTE Band 40, Block A				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.52	5.13
	Low	16QAM	4.52	5.15
	Low	64QAM	4.52	5.13
	Mid	QPSK	4.51	5.40
	Mid	16QAM	4.52	5.16
	Mid	64QAM	4.53	5.12
	High	QPSK	4.52	5.41
	High	16QAM	4.52	5.25
	High	64QAM	4.51	5.11
10	Mid	QPSK	8.99	10.09
	Mid	16QAM	8.98	10.25
	Mid	64QAM	9.00	10.44

LTE Band 40, Block B				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.52	5.08
	Low	16QAM	4.51	5.29
	Low	64QAM	4.52	5.10
	Mid	QPSK	4.52	5.17
	Mid	16QAM	4.52	5.42
	Mid	64QAM	4.51	5.10
	High	QPSK	4.51	5.18
	High	16QAM	4.52	5.23
	High	64QAM	4.52	5.14
10	Mid	QPSK	9.02	10.31
	Mid	16QAM	9.00	10.79
	Mid	64QAM	8.99	10.07



LTE Band 41				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.50	4.86
	Low	16QAM	4.51	4.92
	Low	64QAM	4.51	4.89
	Mid	QPSK	4.50	4.93
	Mid	16QAM	4.50	5.15
	Mid	64QAM	4.51	4.87
	High	QPSK	4.49	4.92
	High	16QAM	4.50	4.96
	High	64QAM	4.50	4.88
10	Low	QPSK	8.99	9.78
	Low	16QAM	8.98	10.09
	Low	64QAM	8.98	9.70
	Mid	QPSK	8.99	9.72
	Mid	16QAM	8.99	10.00
	Mid	64QAM	9.00	9.75
	High	QPSK	8.99	10.07
	High	16QAM	8.97	10.06
	High	64QAM	8.99	9.87
15	Low	QPSK	13.50	15.22
	Low	16QAM	13.52	15.07
	Low	64QAM	13.49	15.06
	Mid	QPSK	13.51	14.65
	Mid	16QAM	13.50	15.96
	Mid	64QAM	13.45	14.61
	High	QPSK	13.48	14.54
	High	16QAM	13.47	14.79
	High	64QAM	13.46	14.66
20	Low	QPSK	18.04	20.85
	Low	16QAM	18.00	19.70
	Low	64QAM	18.01	21.73
	Mid	QPSK	17.99	19.89
	Mid	16QAM	18.01	20.10
	Mid	64QAM	17.98	20.02
	High	QPSK	17.99	19.36
	High	16QAM	18.00	20.10
	High	64QAM	17.98	20.83



Band2 / 1.4MHz / QPSK/ Low CH



Band2 / 1.4MHz / 16QAM/ Low CH



Band2 / 1.4MHz / 64QAM/ Low CH



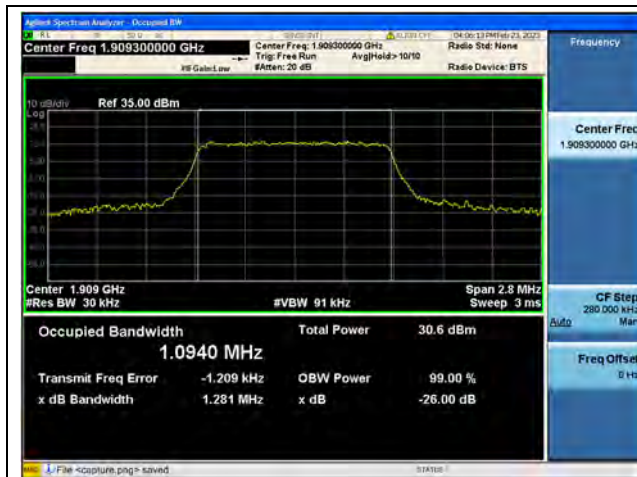
Band2 / 1.4MHz / QPSK/ Mid CH



Band2 / 1.4MHz / 16QAM/ Mid CH



Band2 / 1.4MHz / 64QAM/ Mid CH



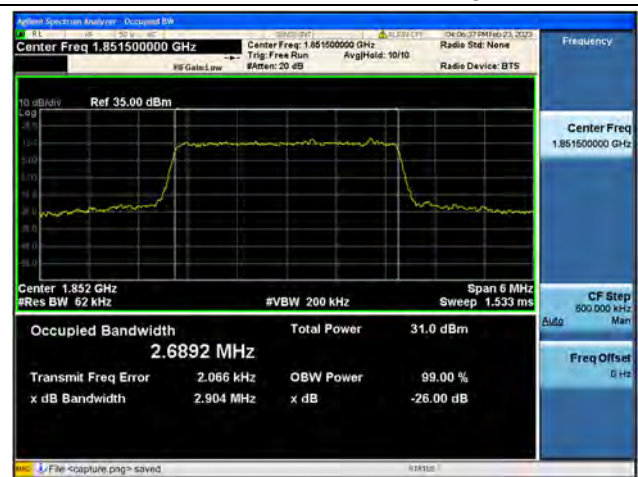
Band2 / 1.4MHz / QPSK/ High CH



Band2 / 1.4MHz / 16QAM/ High CH



Band2 / 1.4MHz / 64QAM/ High CH



Band2 / 3MHz / QPSK/ Low CH



Band2 / 3MHz / 16QAM/ Low CH



Band2 / 3MHz / 64QAM/ Low CH



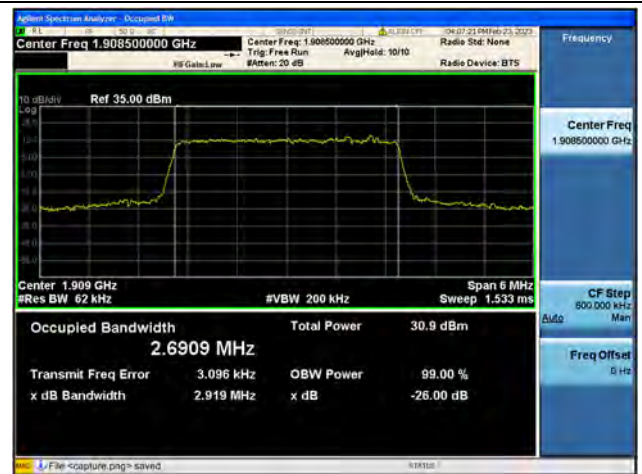
Band2 / 3MHz / QPSK/ Mid CH



Band2 / 3MHz / 16QAM/ Mid CH



Band2 / 3MHz / 64QAM/ Mid CH



Band2 / 3MHz / QPSK/ High CH



Band2 / 3MHz / 16QAM/ High CH



Band2 / 3MHz / 64QAM/ High CH



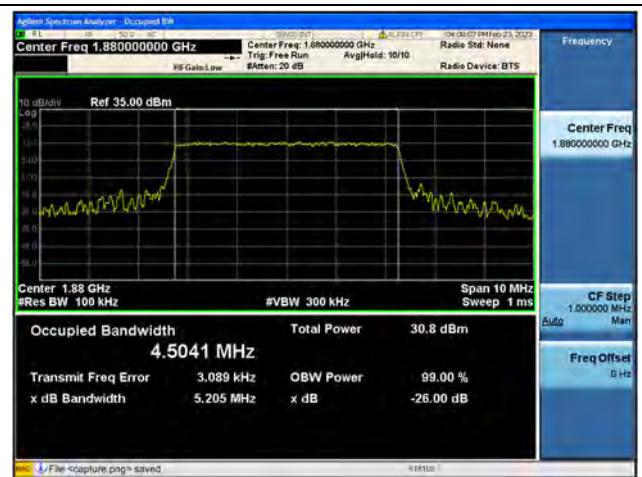
Band2 / 5MHz / QPSK/ Low CH



Band2 / 5MHz / 16QAM/ Low CH



Band2 / 5MHz / 64QAM/ Low CH



Band2 / 5MHz / QPSK/ Mid CH



Band2 / 5MHz / 16QAM/ Mid CH



Band2 / 5MHz / 64QAM/ Mid CH



Band2 / 5MHz / QPSK/ High CH



Band2 / 5MHz / 16QAM/ High CH



Band2 / 5MHz / 64QAM/ High CH



Band2 / 10MHz / QPSK/ Low CH



Band2 / 10MHz / 16QAM/ Low CH



Band2 / 10MHz / 64QAM/ Low CH

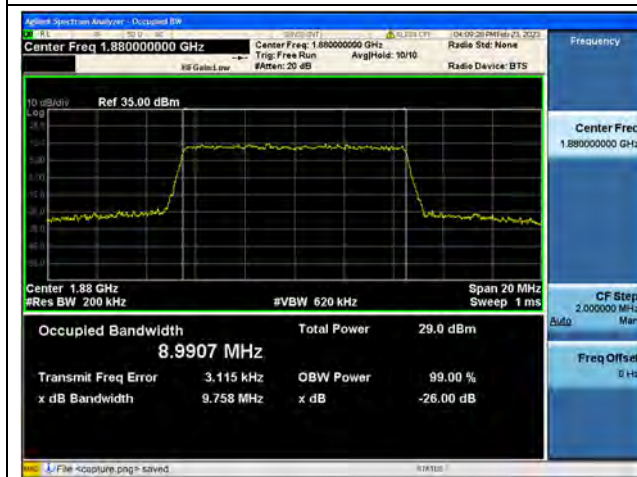




Band2 / 10MHz / QPSK/ Mid CH



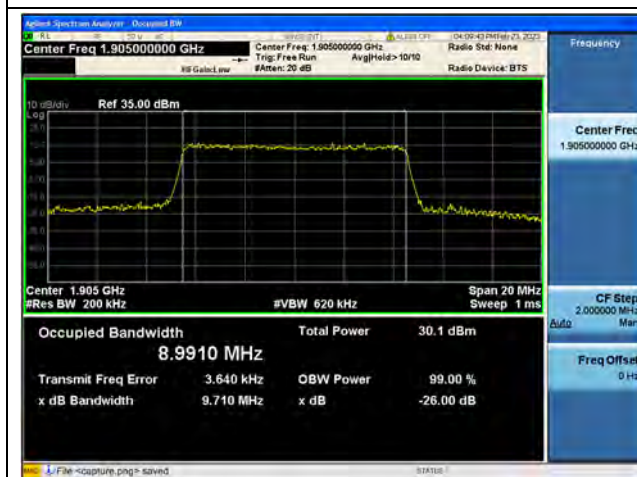
Band2 / 10MHz / 16QAM/ Mid CH



Band2 / 10MHz / 64QAM/ Mid CH



Band2 / 10MHz / QPSK/ High CH



Band2 / 10MHz / 16QAM/ High CH



Band2 / 10MHz / 64QAM/ High CH



Band2 / 15MHz / QPSK/ Low CH



Band2 / 15MHz / 16QAM/ Low CH



Band2 / 15MHz / 64QAM/ Low CH



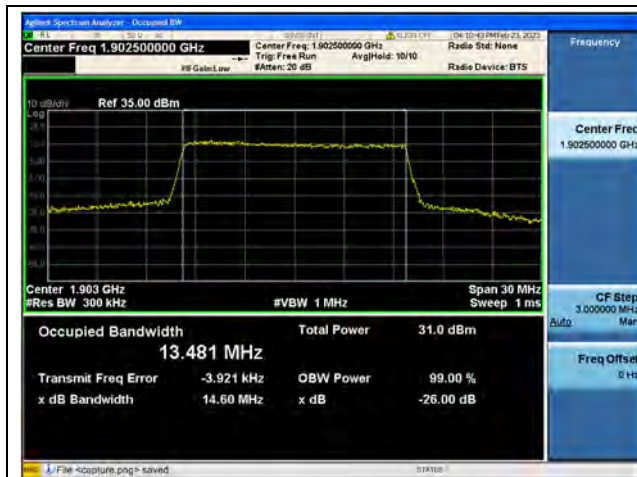
Band2 / 15MHz / QPSK/ Mid CH



Band2 / 15MHz / 16QAM/ Mid CH



Band2 / 15MHz / 64QAM/ Mid CH



Band2 / 15MHz / QPSK/ High CH



Band2 / 15MHz / 16QAM/ High CH



Band2 / 15MHz / 64QAM/ High CH



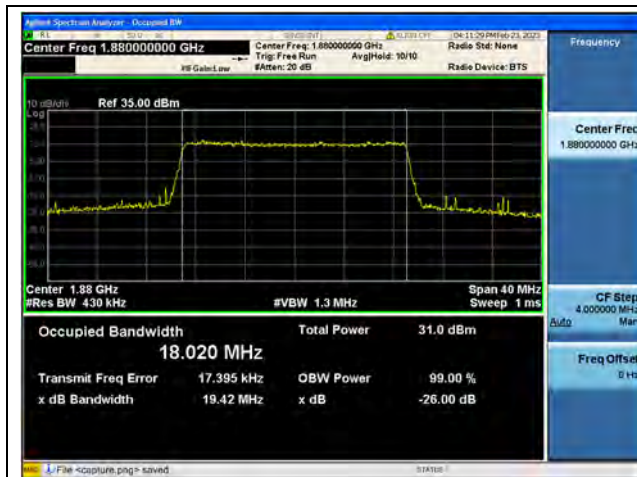
Band2 / 20MHz / QPSK/ Low CH



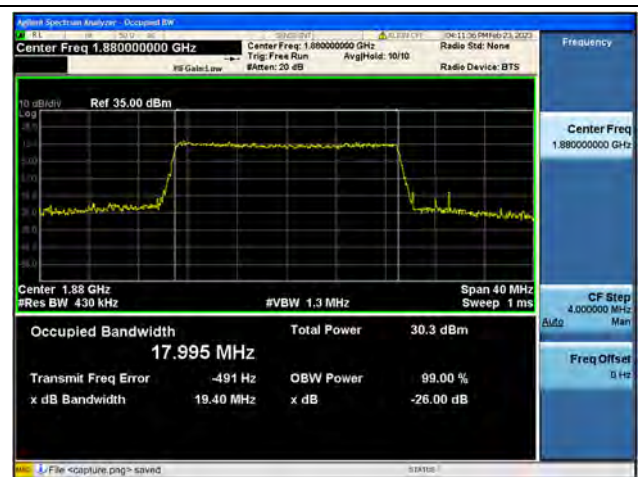
Band2 / 20MHz / 16QAM/ Low CH



Band2 / 20MHz / 64QAM/ Low CH



Band2 / 20MHz / QPSK/ Mid CH



Band2 / 20MHz / 16QAM/ Mid CH



Band2 / 20MHz / 64QAM/ Mid CH



Band2 / 20MHz / QPSK/ High CH



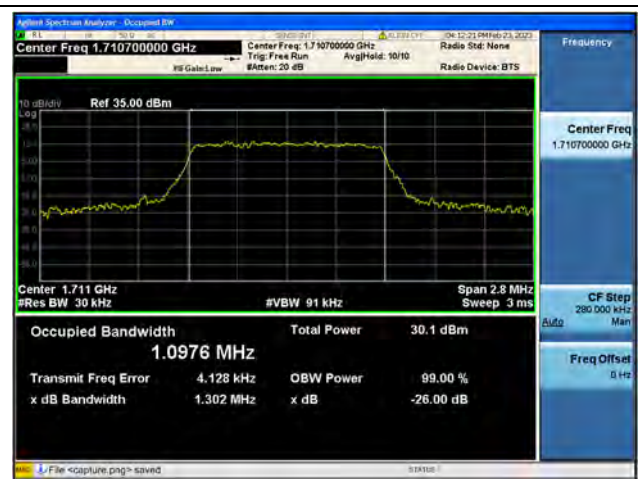
Band2 / 20MHz / 16QAM/ High CH



Band2 / 20MHz / 64QAM/ High CH



Band4 / 1.4MHz / QPSK/ Low CH



Band4 / 1.4MHz / 16QAM/ Low CH



Band4 / 1.4MHz / 64QAM/ Low CH



Band4 / 1.4MHz / QPSK/ Mid CH



Band4 / 1.4MHz / 16QAM/ Mid CH



Band4 / 1.4MHz / 64QAM/ Mid CH



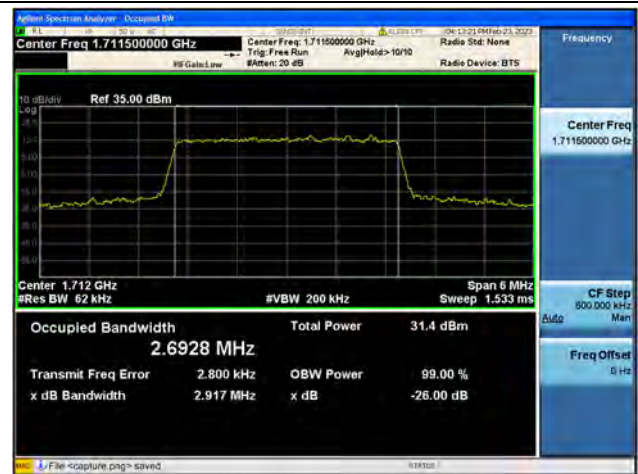
Band4 / 1.4MHz / QPSK/ High CH



Band4 / 1.4MHz / 16QAM/ High CH



Band4 / 1.4MHz / 64QAM/ High CH



Band4 / 3MHz / QPSK/ Low CH



Band4 / 3MHz / 16QAM/ Low CH



Band4 / 3MHz / 64QAM/ Low CH



Band4 / 3MHz / QPSK/ Mid CH



Band4 / 3MHz / 16QAM/ Mid CH



Band4 / 3MHz / 64QAM/ Mid CH



Band4 / 3MHz / QPSK/ High CH



Band4 / 3MHz / 16QAM/ High CH



Band4 / 3MHz / 64QAM/ High CH



Band4 / 5MHz / QPSK/ Low CH



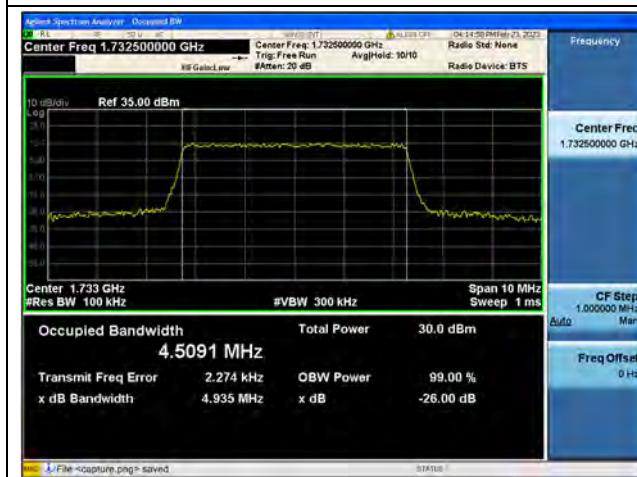
Band4 / 5MHz / 16QAM/ Low CH



Band4 / 5MHz / 64QAM/ Low CH



Band4 / 5MHz / QPSK/ Mid CH



Band4 / 5MHz / 16QAM/ Mid CH



Band4 / 5MHz / 64QAM/ Mid CH

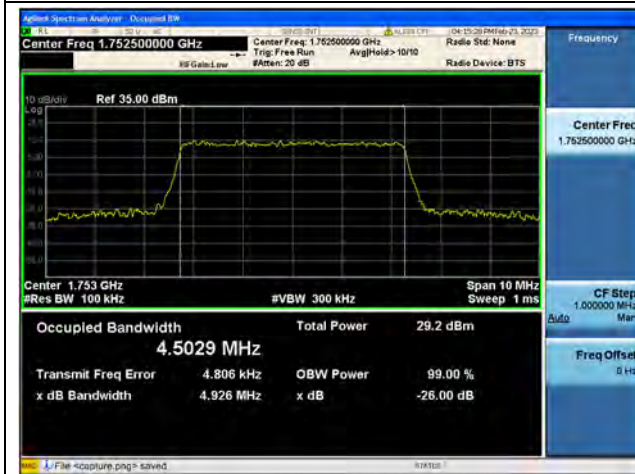




Band4 / 5MHz / QPSK/ High CH



Band4 / 5MHz / 16QAM/ High CH



Band4 / 5MHz / 64QAM/ High CH



Band4 / 10MHz / QPSK/ Low CH



Band4 / 10MHz / 16QAM/ Low CH



Band4 / 10MHz / 64QAM/ Low CH



Band4 / 10MHz / QPSK/ Mid CH



Band4 / 10MHz / 16QAM/ Mid CH



Band4 / 10MHz / 64QAM/ Mid CH



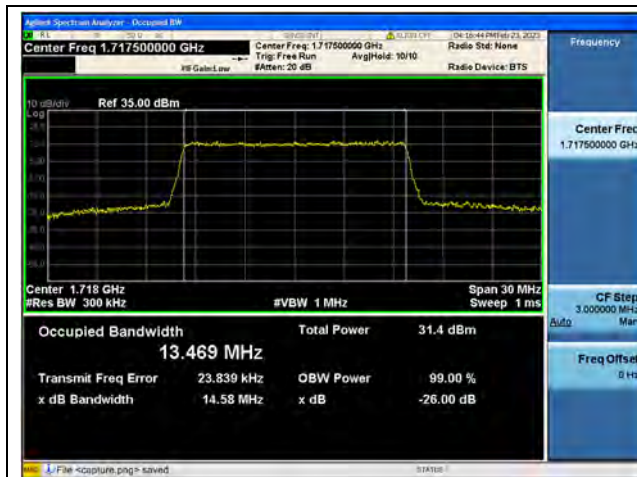
Band4 / 10MHz / QPSK/ High CH



Band4 / 10MHz / 16QAM/ High CH



Band4 / 10MHz / 64QAM/ High CH



Band4 / 15MHz / QPSK/ Low CH



Band4 / 15MHz / 16QAM/ Low CH



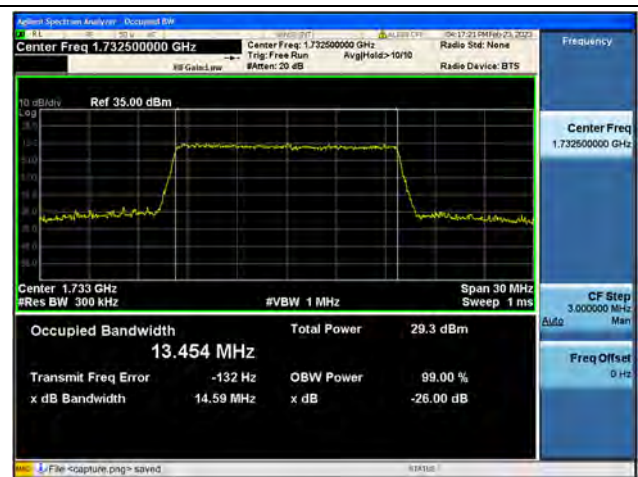
Band4 / 15MHz / 64QAM/ Low CH



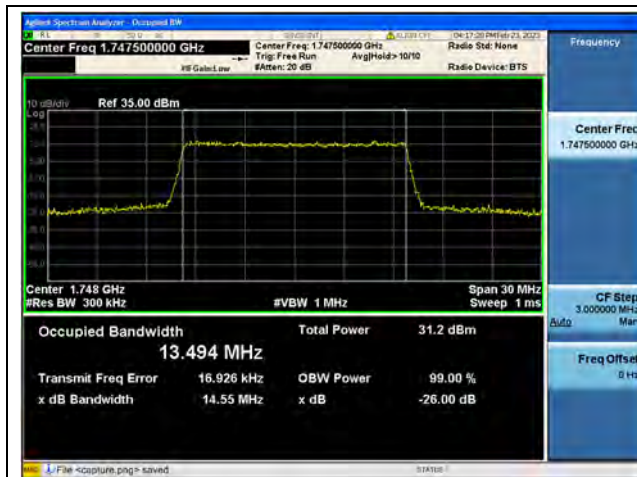
Band4 / 15MHz / QPSK/ Mid CH



Band4 / 15MHz / 16QAM/ Mid CH



Band4 / 15MHz / 64QAM/ Mid CH



Band4 / 15MHz / QPSK/ High CH



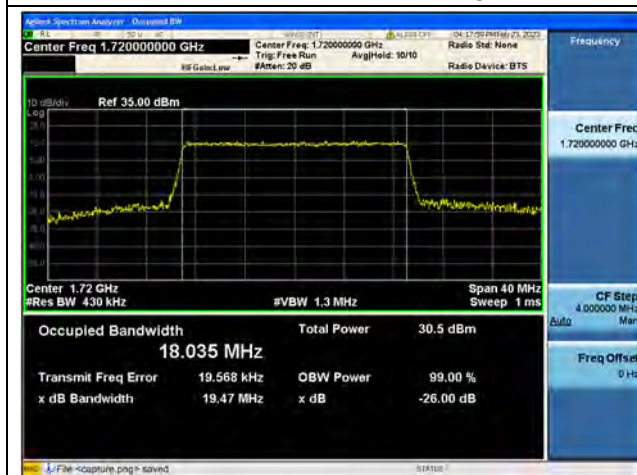
Band4 / 15MHz / 16QAM/ High CH



Band4 / 15MHz / 64QAM/ High CH



Band4 / 20MHz / QPSK/ Low CH



Band4 / 20MHz / 16QAM/ Low CH



Band4 / 20MHz / 64QAM/ Low CH



Band4 / 20MHz / QPSK/ Mid CH



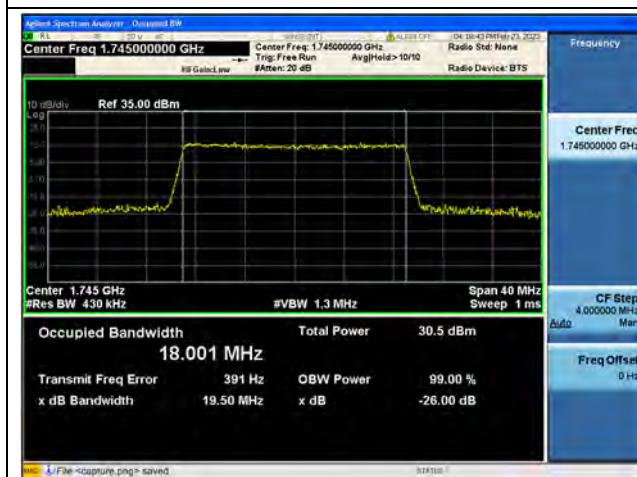
Band4 / 20MHz / 16QAM/ Mid CH



Band4 / 20MHz / 64QAM/ Mid CH



Band4 / 20MHz / QPSK/ High CH



Band4 / 20MHz / 16QAM/ High CH



Band4 / 20MHz / 64QAM/ High CH



Band5 / 1.4MHz / QPSK/ Low CH



Band5 / 1.4MHz / 16QAM/ Low CH



Band5 / 1.4MHz / 64QAM/ Low CH



Band5 / 1.4MHz / QPSK/ Mid CH



Band5 / 1.4MHz / 16QAM/ Mid CH



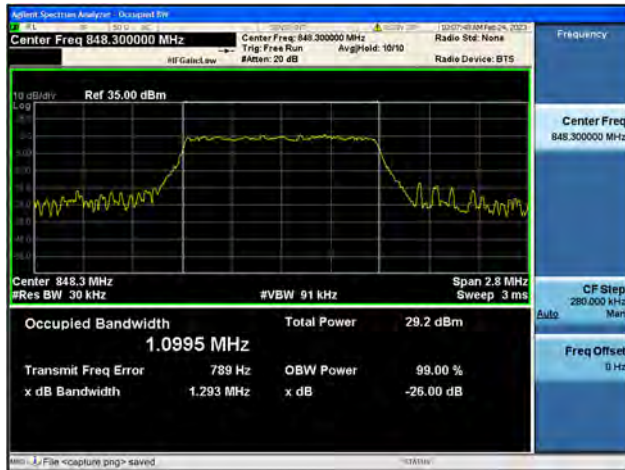
Band5 / 1.4MHz / 64QAM/ Mid CH



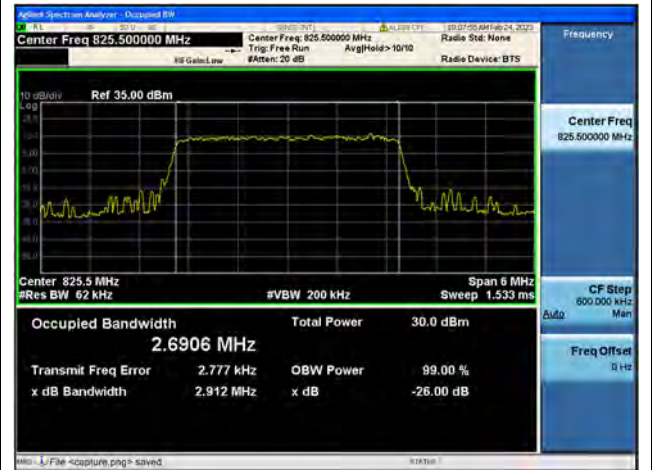
Band5 / 1.4MHz / QPSK/ High CH



Band5 / 1.4MHz / 16QAM/ High CH



Band5 / 1.4MHz / 64QAM/ High CH



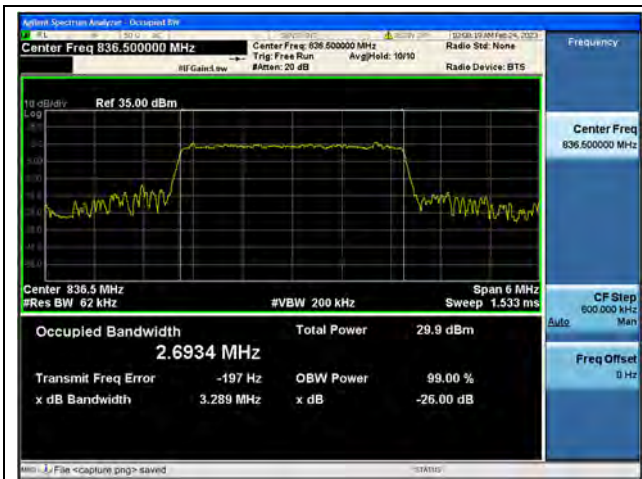
Band5 / 3MHz / QPSK/ Low CH



Band5 / 3MHz / 16QAM/ Low CH



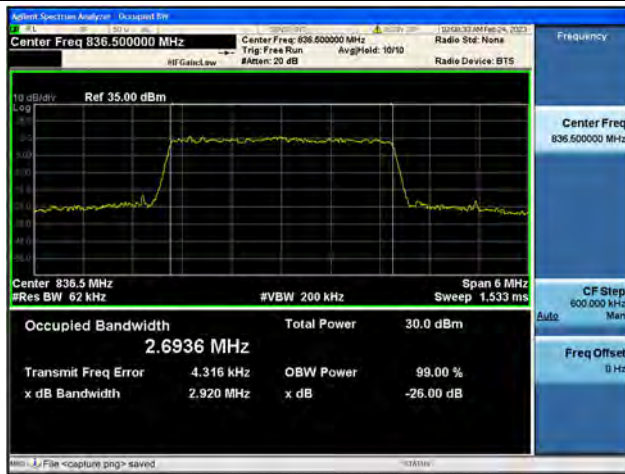
Band5 / 3MHz / 64QAM/ Low CH



Band5 / 3MHz / QPSK/ Mid CH



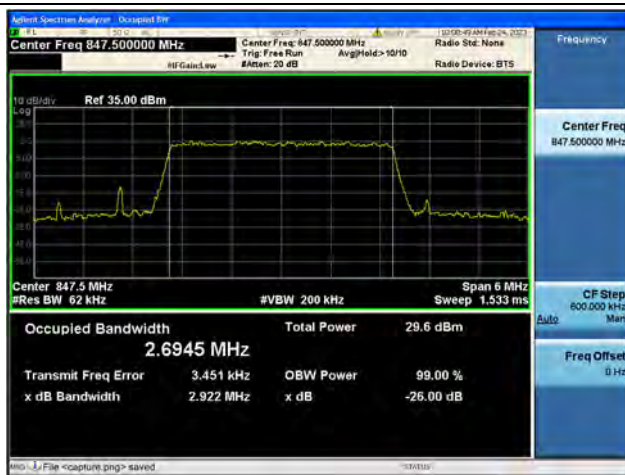
Band5 / 3MHz / 16QAM/ Mid CH



Band5 / 3MHz / 64QAM/ Mid CH



Band5 / 3MHz / QPSK/ High CH



Band5 / 3MHz / 16QAM/ High CH

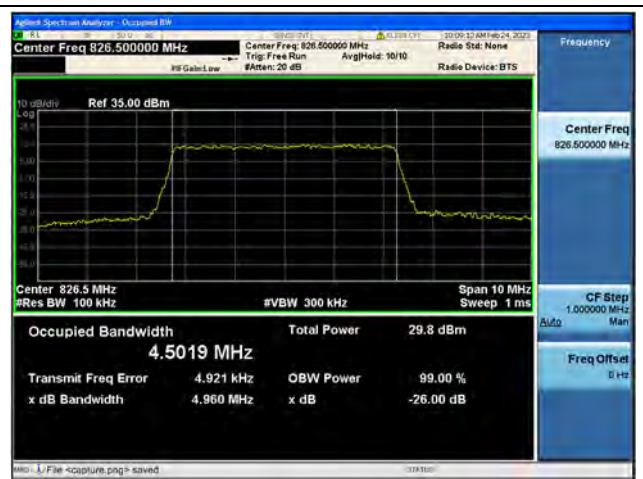


Band5 / 3MHz / 64QAM/ High CH





Band5 / 5MHz / QPSK/ Low CH



Band5 / 5MHz / 16QAM/ Low CH



Band5 / 5MHz / 64QAM/ Low CH



Band5 / 5MHz / QPSK/ Mid CH



Band5 / 5MHz / 16QAM/ Mid CH



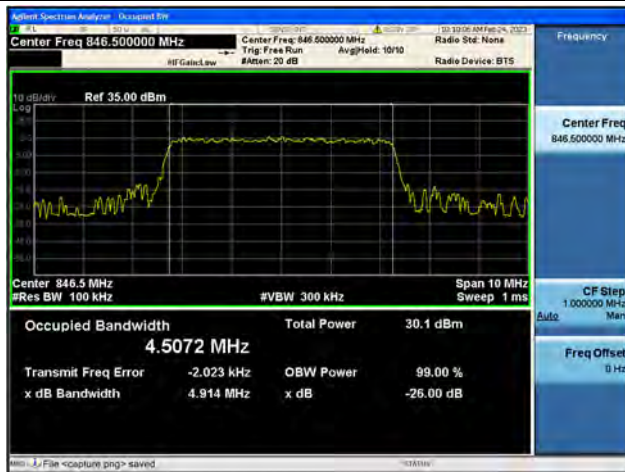
Band5 / 5MHz / 64QAM/ Mid CH



Band5 / 5MHz / QPSK/ High CH



Band5 / 5MHz / 16QAM/ High CH



Band5 / 5MHz / 64QAM/ High CH



Band5 / 10MHz / QPSK/ Low CH



Band5 / 10MHz / 16QAM/ Low CH



Band5 / 10MHz / 64QAM/ Low CH



Band5 / 10MHz / QPSK/ Mid CH



Band5 / 10MHz / 16QAM/ Mid CH



Band5 / 10MHz / 64QAM/ Mid CH



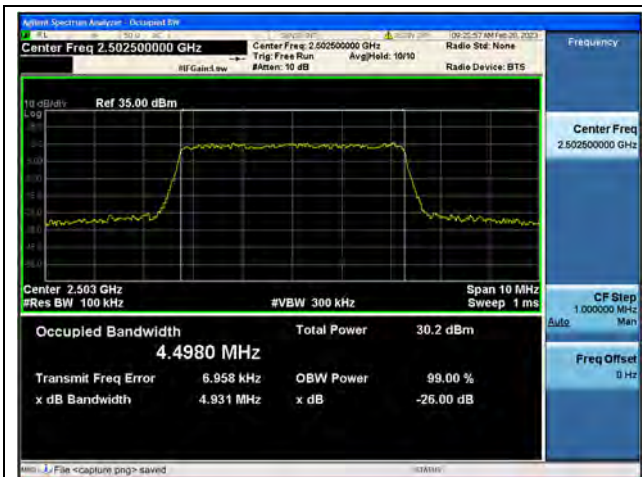
Band5 / 10MHz / QPSK/ High CH



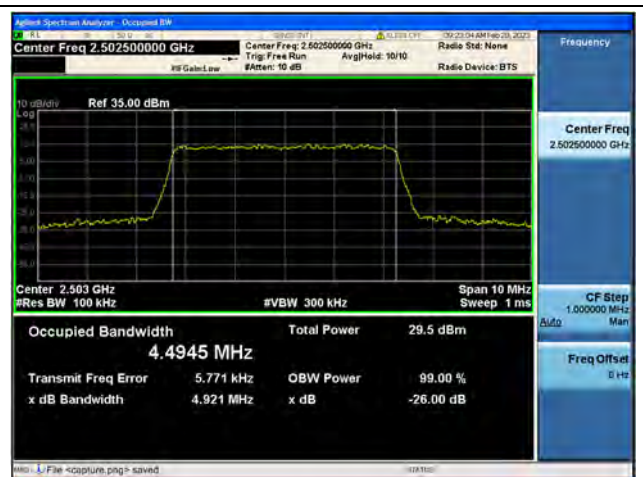
Band5 / 10MHz / 16QAM/ High CH



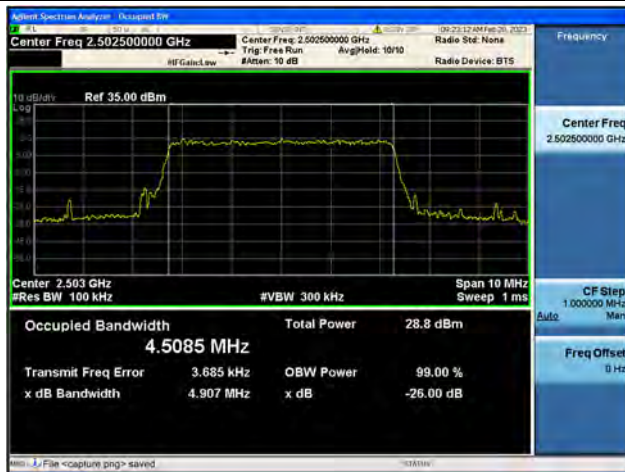
Band5 / 10MHz / 64QAM/ High CH



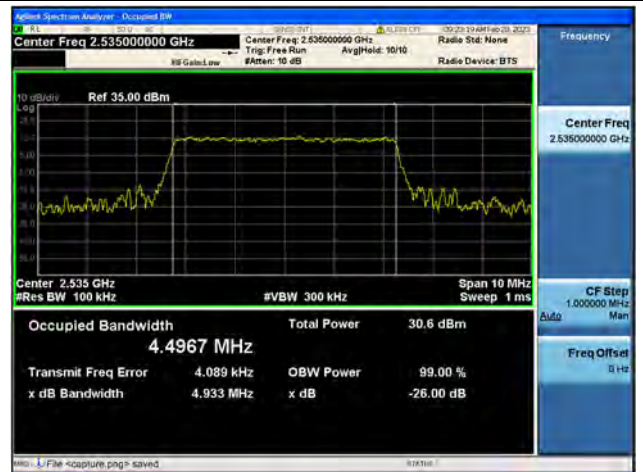
Band7 / 5MHz / QPSK/ Low CH



Band7 / 5MHz / 16QAM/ Low CH



Band7 / 5MHz / 64QAM/ Low CH



Band7 / 5MHz / QPSK/ Mid CH



Band7 / 5MHz / 16QAM/ Mid CH



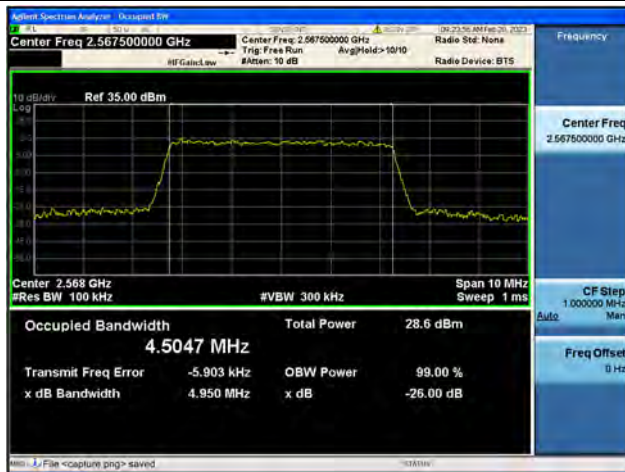
Band7 / 5MHz / 64QAM/ Mid CH



Band 7 / 5MHz / QPSK / High CH



Band 7 / 5MHz / 16QAM / High CH



Band 7 / 5MHz / 64QAM / High CH



Band 7 / 10MHz / QPSK / Low CH



Band 7 / 10MHz / 16QAM / Low CH



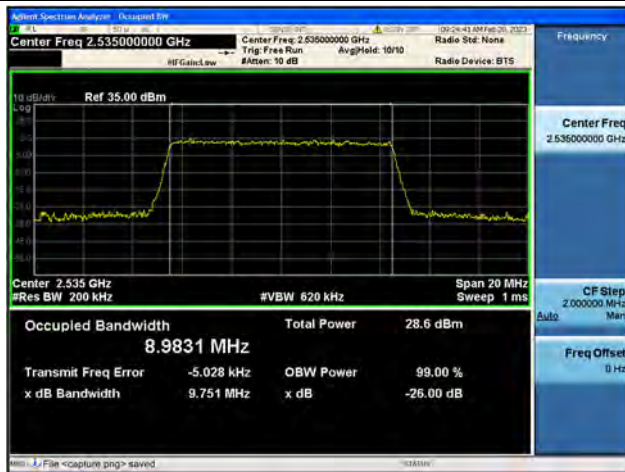
Band 7 / 10MHz / 64QAM / Low CH



Band7 / 10MHz / QPSK/ Mid CH



Band7 / 10MHz / 16QAM/ Mid CH



Band7 / 10MHz / 64QAM/ Mid CH



Band7 / 10MHz / QPSK/ High CH



Band7 / 10MHz / 16QAM/ High CH



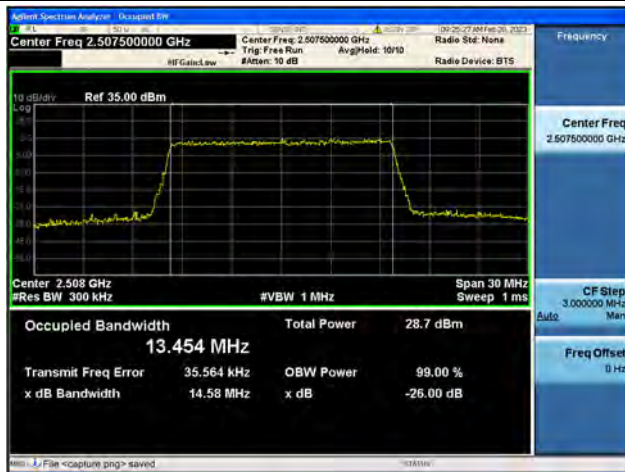
Band7 / 10MHz / 64QAM/ High CH



Band7 / 15MHz / QPSK/ Low CH



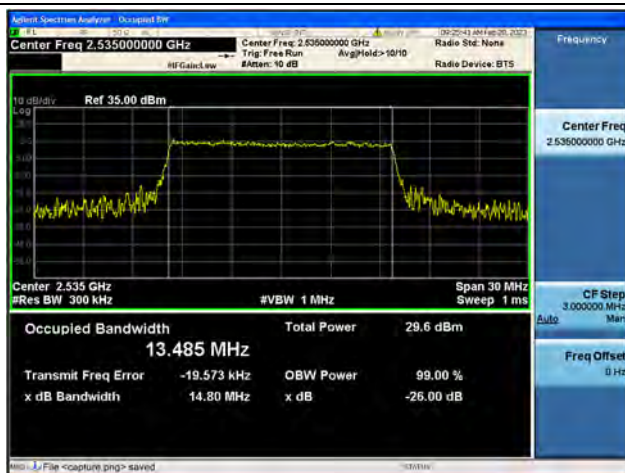
Band7 / 15MHz / 16QAM/ Low CH



Band7 / 15MHz / 64QAM/ Low CH



Band7 / 15MHz / QPSK/ Mid CH



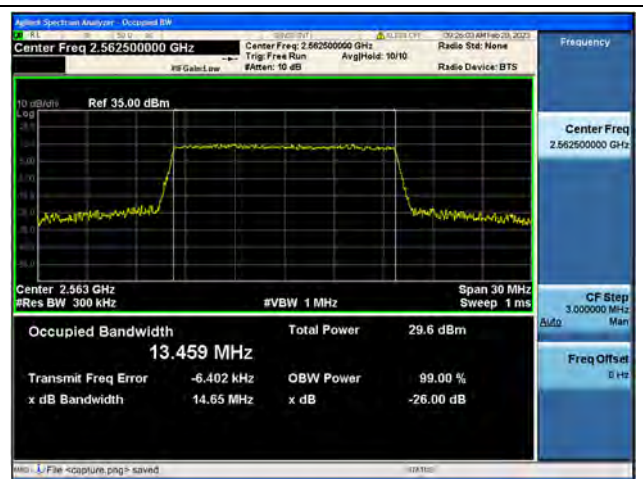
Band7 / 15MHz / 16QAM/ Mid CH



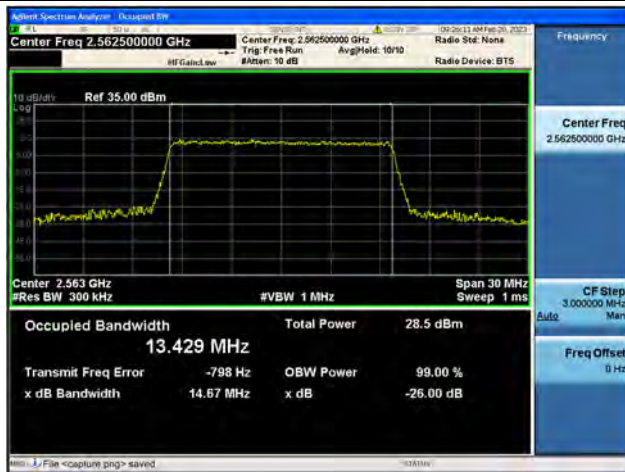
Band7 / 15MHz / 64QAM/ Mid CH



Band7 / 15MHz / QPSK/ High CH



Band7 / 15MHz / 16QAM/ High CH



Band7 / 15MHz / 64QAM/ High CH



Band7 / 20MHz / QPSK/ Low CH



Band7 / 20MHz / 16QAM/ Low CH

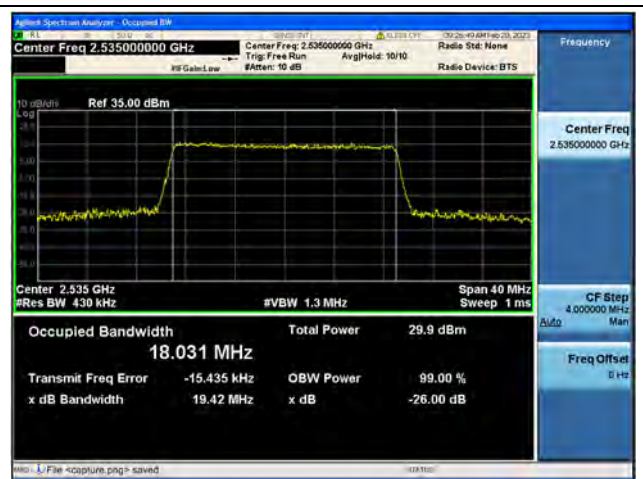


Band7 / 20MHz / 64QAM/ Low CH

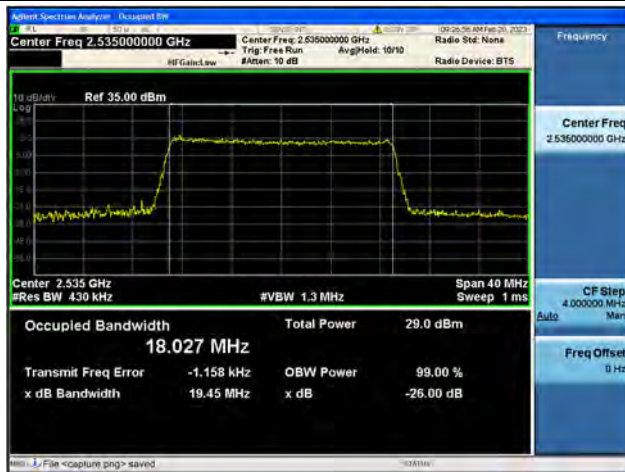




Band7 / 20MHz / QPSK/ Mid CH



Band7 / 20MHz / 16QAM/ Mid CH



Band7 / 20MHz / 64QAM/ Mid CH



Band7 / 20MHz / QPSK/ High CH



Band7 / 20MHz / 16QAM/ High CH



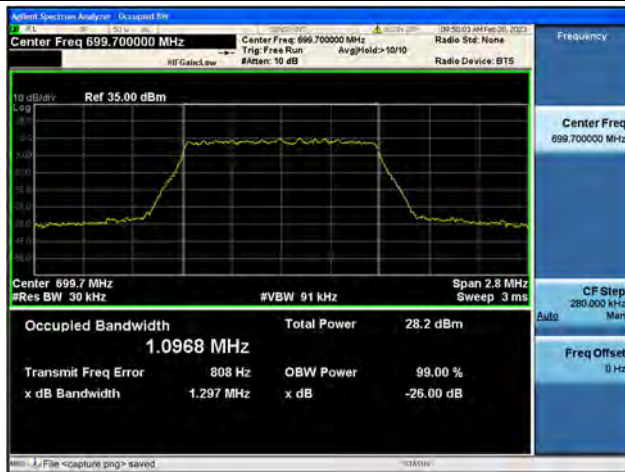
Band7 / 20MHz / 64QAM/ High CH



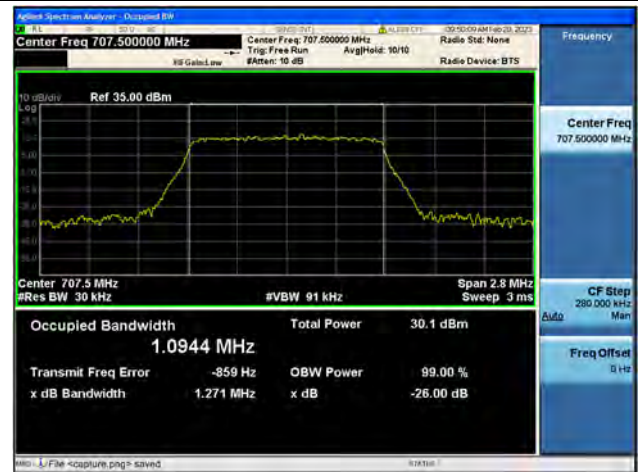
Band12 / 1.4MHz / QPSK/ Low CH



Band12 / 1.4MHz / 16QAM/ Low CH



Band12 / 1.4MHz / 64QAM/ Low CH



Band12 / 1.4MHz / QPSK/ Mid CH



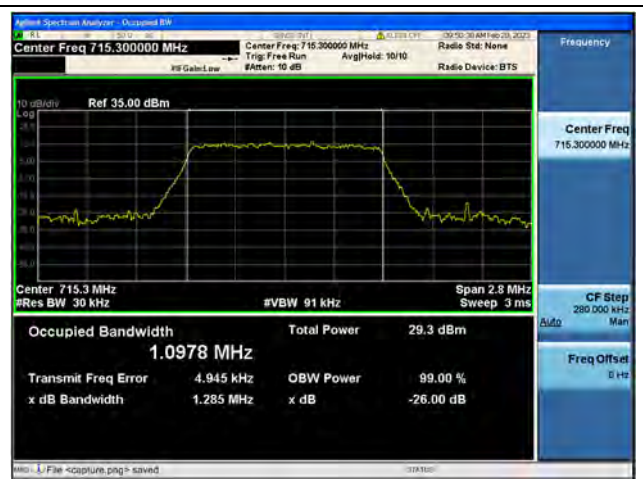
Band12 / 1.4MHz / 16QAM/ Mid CH



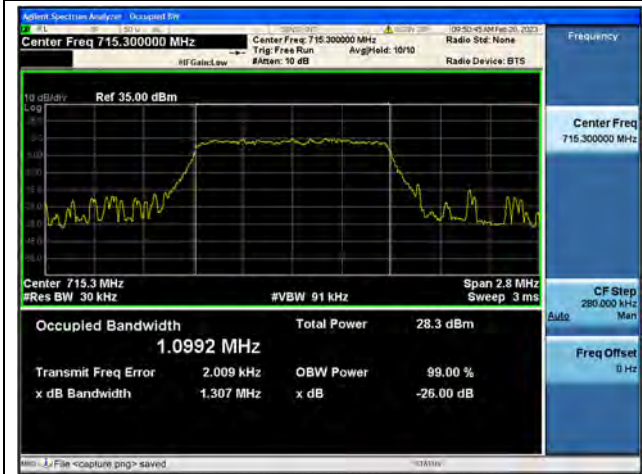
Band12 / 1.4MHz / 64QAM/ Mid CH



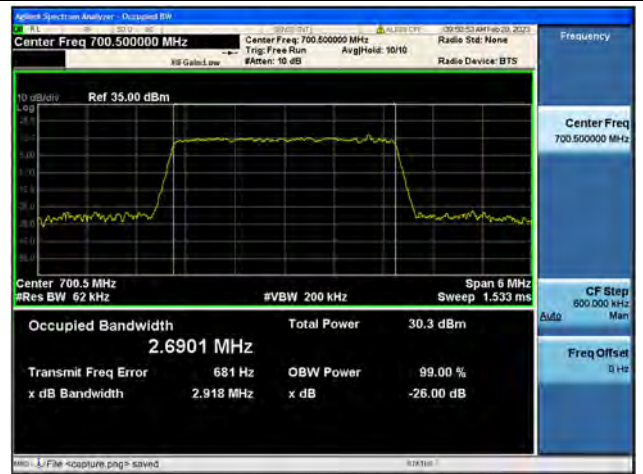
Band12 / 1.4MHz / QPSK/ High CH



Band12 / 1.4MHz / 16QAM/ High CH



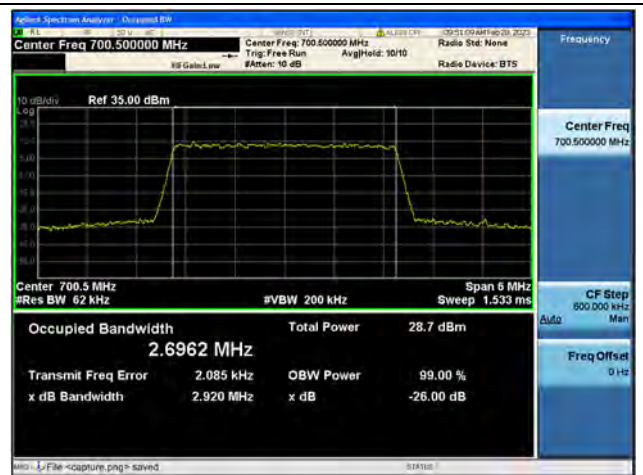
Band12 / 1.4MHz / 64QAM/ High CH



Band12 / 3MHz / QPSK/ Low CH



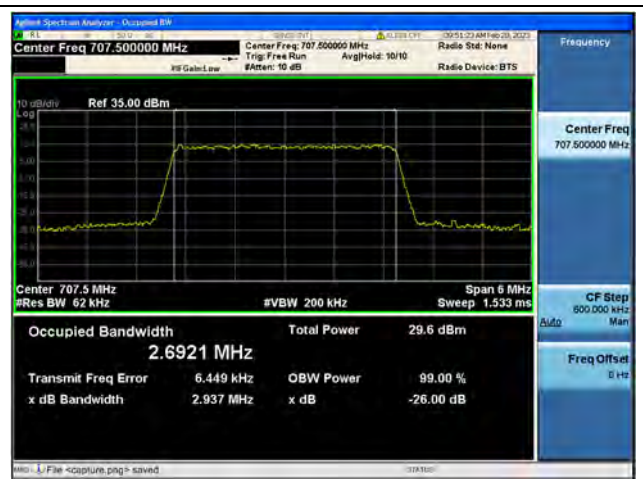
Band12 / 3MHz / 16QAM/ Low CH



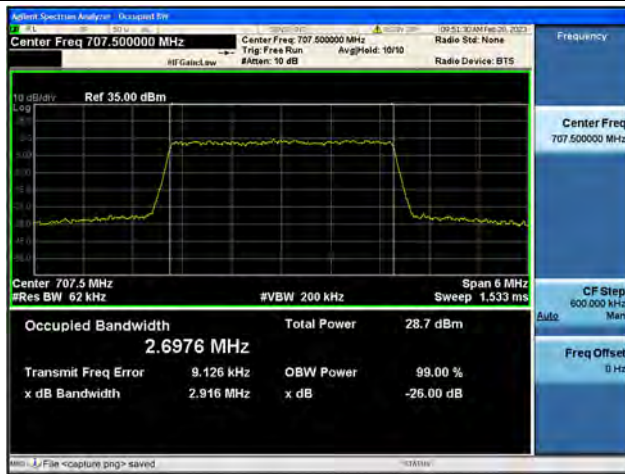
Band12 / 3MHz / 64QAM/ Low CH



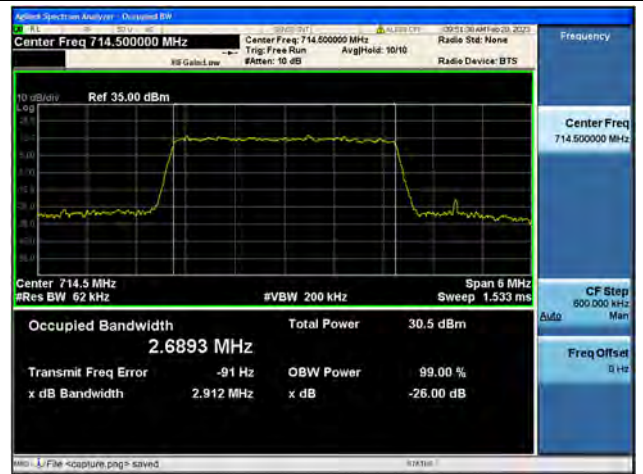
Band12 / 3MHz / QPSK/ Mid CH



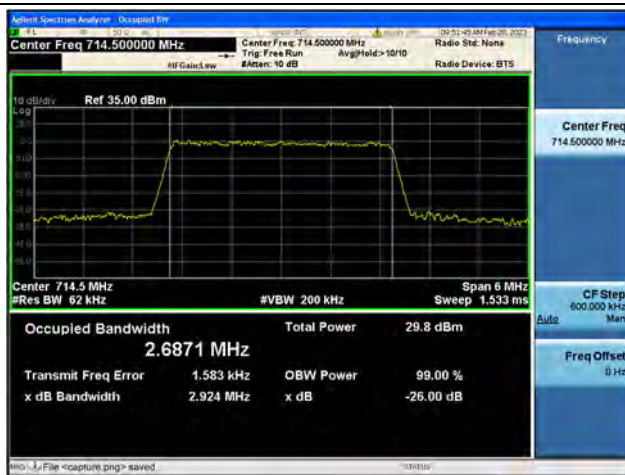
Band12 / 3MHz / 16QAM/ Mid CH



Band12 / 3MHz / 64QAM/ Mid CH



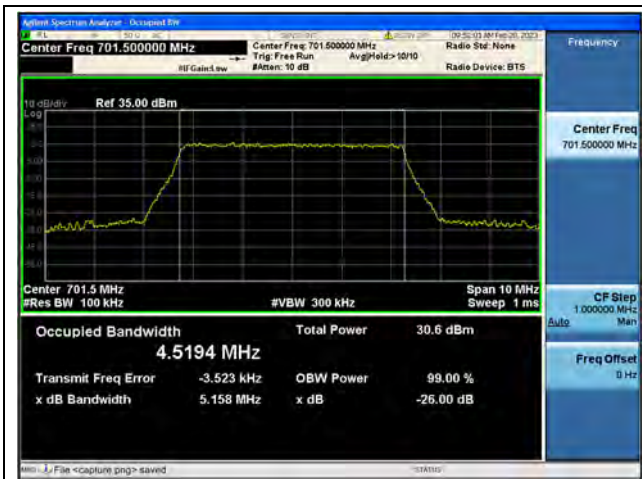
Band12 / 3MHz / QPSK/ High CH



Band12 / 3MHz / 16QAM/ High CH



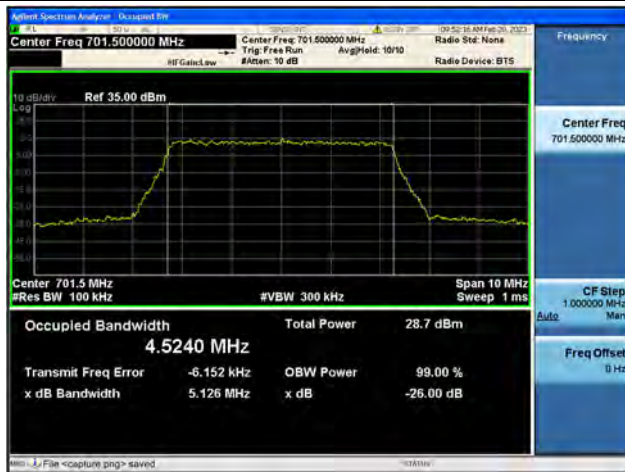
Band12 / 3MHz / 64QAM/ High CH



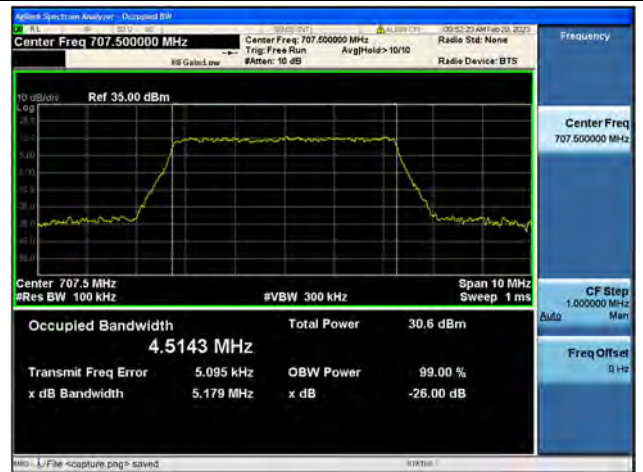
Band12 / 5MHz / QPSK/ Low CH



Band12 / 5MHz / 16QAM/ Low CH



Band12 / 5MHz / 64QAM/ Low CH



Band12 / 5MHz / QPSK/ Mid CH



Band12 / 5MHz / 16QAM/ Mid CH



Band12 / 5MHz / 64QAM/ Mid CH



Band12 / 5MHz / QPSK/ High CH



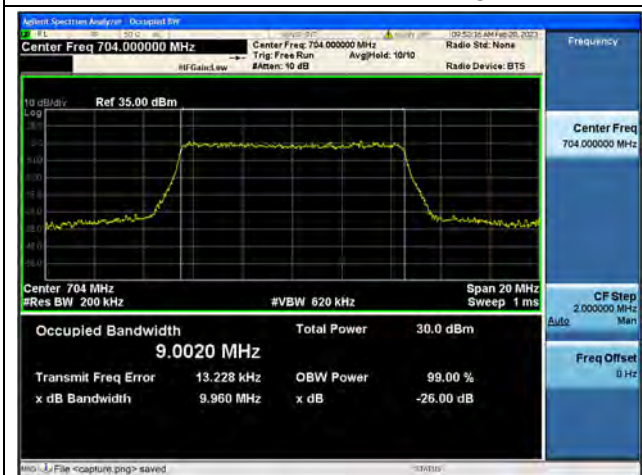
Band12 / 5MHz / 16QAM/ High CH



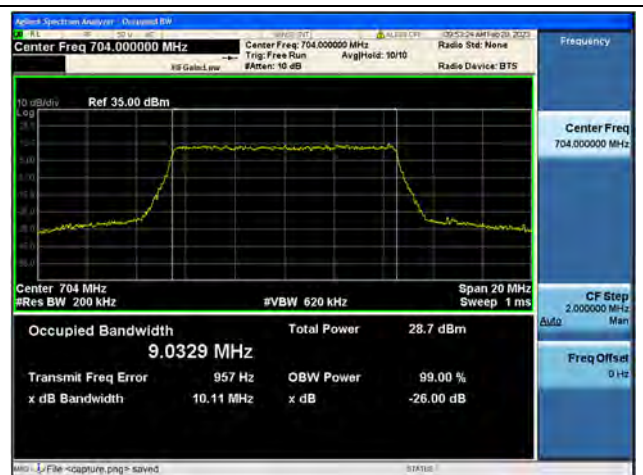
Band12 / 5MHz / 64QAM/ High CH



Band12 / 10MHz / QPSK/ Low CH



Band12 / 10MHz / 16QAM/ Low CH



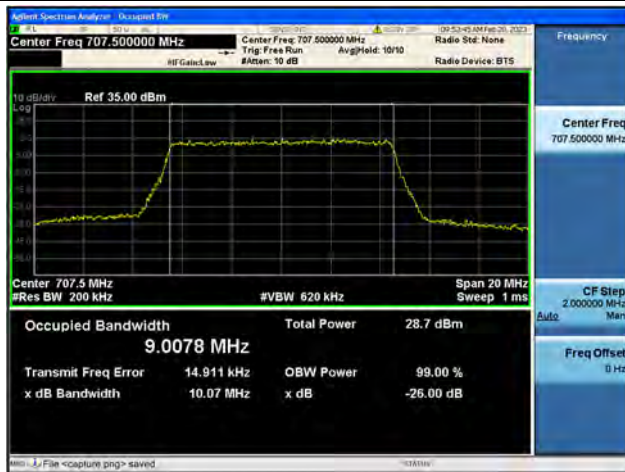
Band12 / 10MHz / 64QAM/ Low CH



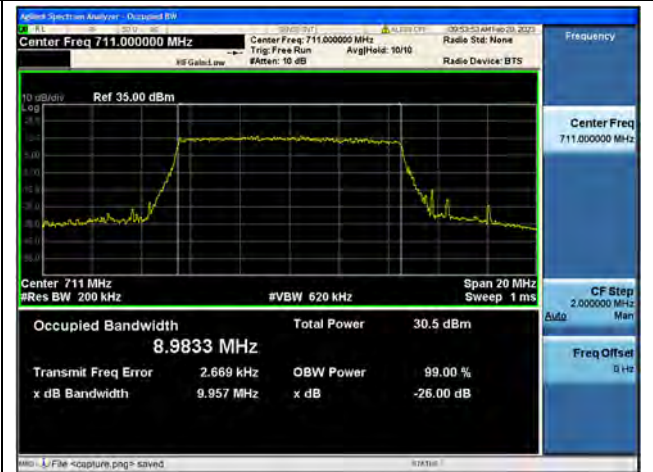
Band12 / 10MHz / QPSK/ Mid CH



Band12 / 10MHz / 16QAM/ Mid CH



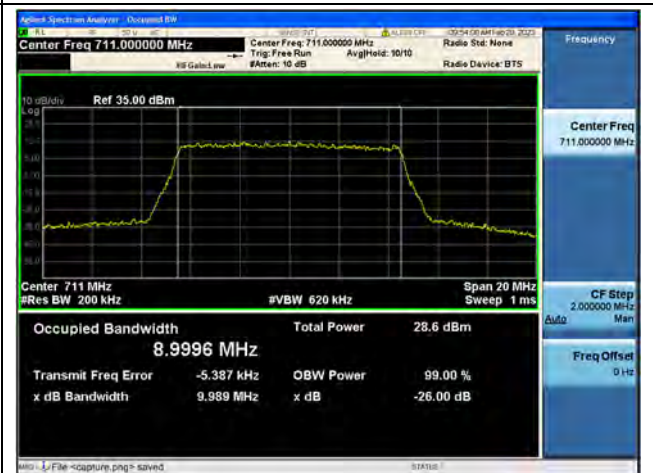
Band12 / 10MHz / 64QAM/ Mid CH



Band12 / 10MHz / QPSK/ High CH



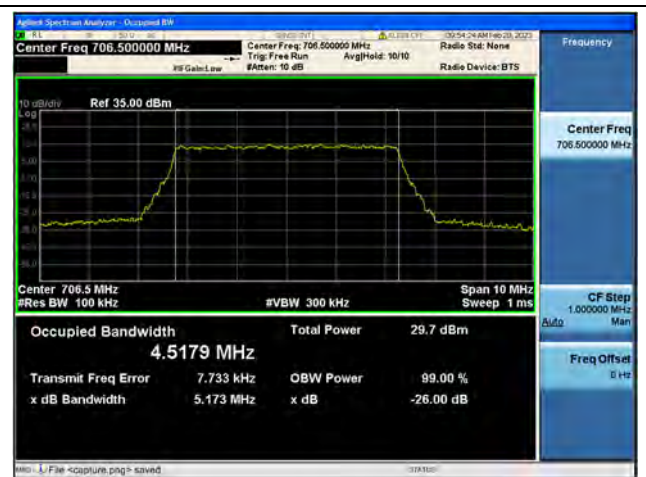
Band12 / 10MHz / 16QAM/ High CH



Band12 / 10MHz / 64QAM/ High CH



Band17 / 5MHz / QPSK/ Low CH



Band17 / 5MHz / 16QAM/ Low CH



Band17 / 5MHz / 64QAM/ Low CH



Band17 / 5MHz / QPSK/ Mid CH

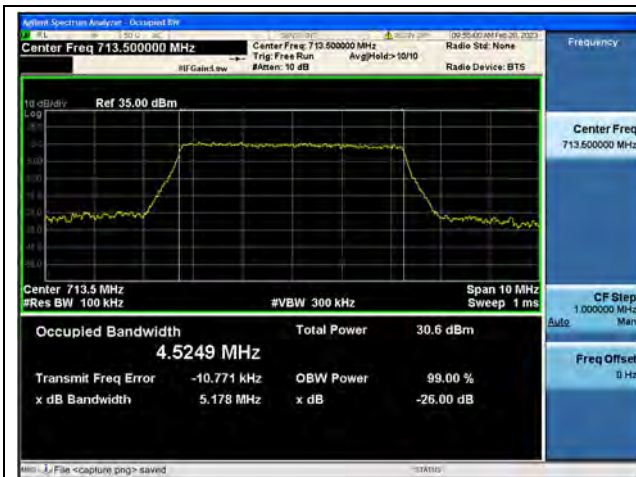


Band17 / 5MHz / 16QAM/ Mid CH

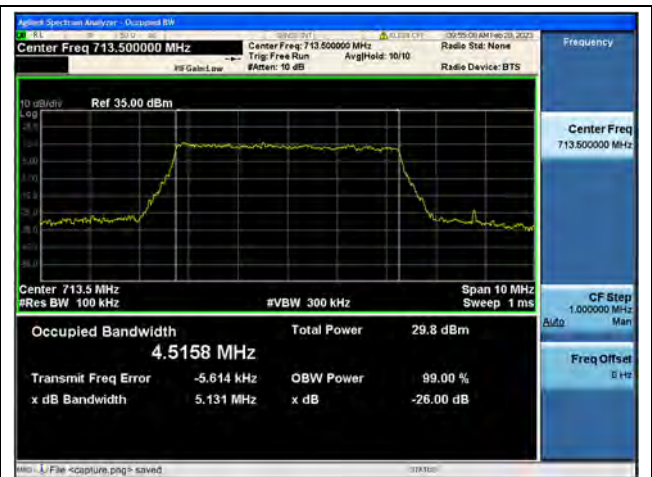


Band17 / 5MHz / 64QAM/ Mid CH





Band17 / 5MHz / QPSK/ High CH



Band17 / 5MHz / 16QAM/ High CH



Band17 / 5MHz / 64QAM/ High CH



Band17 / 10MHz / QPSK/ Low CH



Band17 / 10MHz / 16QAM/ Low CH



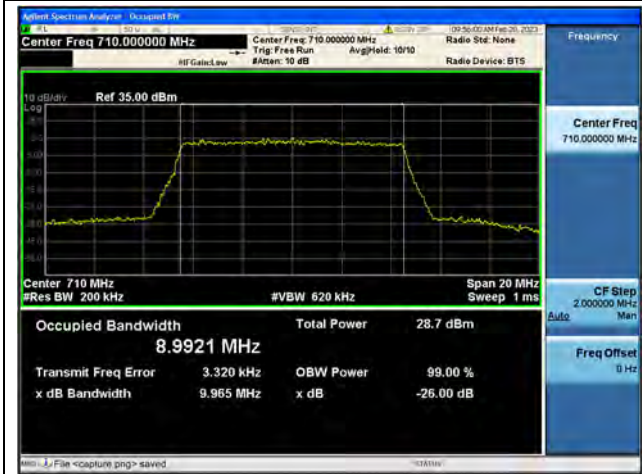
Band17 / 10MHz / 64QAM/ Low CH



Band17 / 10MHz / QPSK/ Mid CH



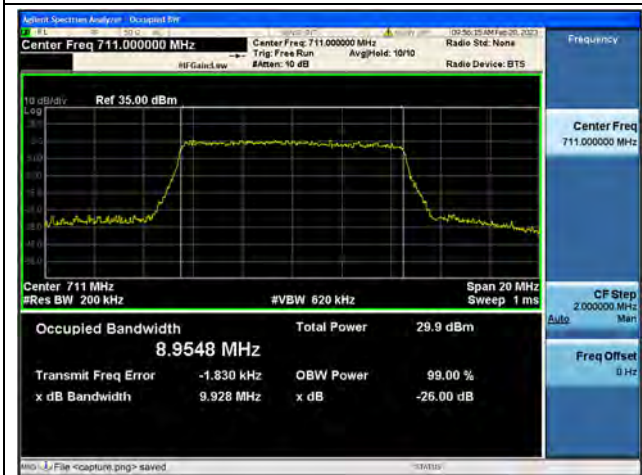
Band17 / 10MHz / 16QAM/ Mid CH



Band17 / 10MHz / 64QAM/ Mid CH



Band17 / 10MHz / QPSK/ High CH



Band17 / 10MHz / 16QAM/ High CH



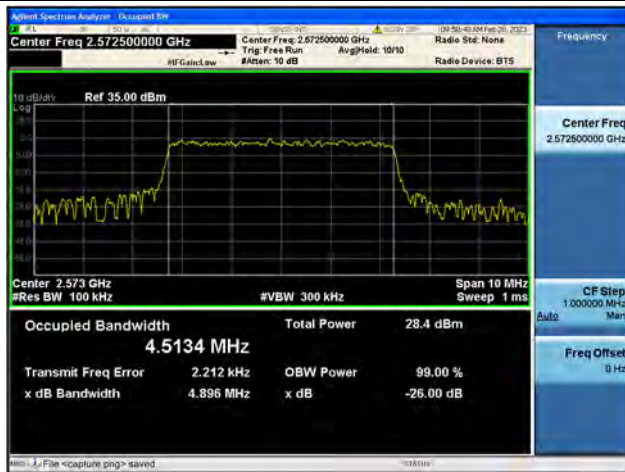
Band17 / 10MHz / 64QAM/ High CH



Band38 / 5MHz / QPSK/ Low CH



Band38 / 5MHz / 16QAM/ Low CH



Band38 / 5MHz / 64QAM/ Low CH



Band38 / 5MHz / QPSK/ Mid CH



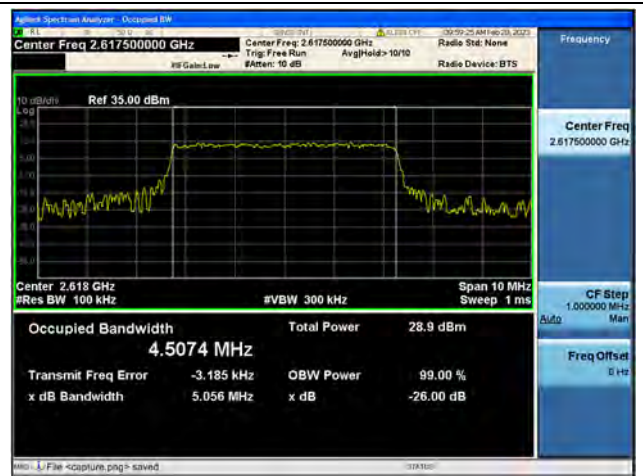
Band38 / 5MHz / 16QAM/ Mid CH



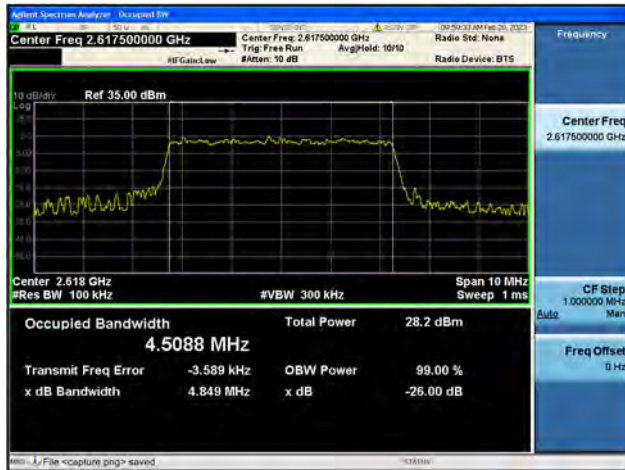
Band38 / 5MHz / 64QAM/ Mid CH



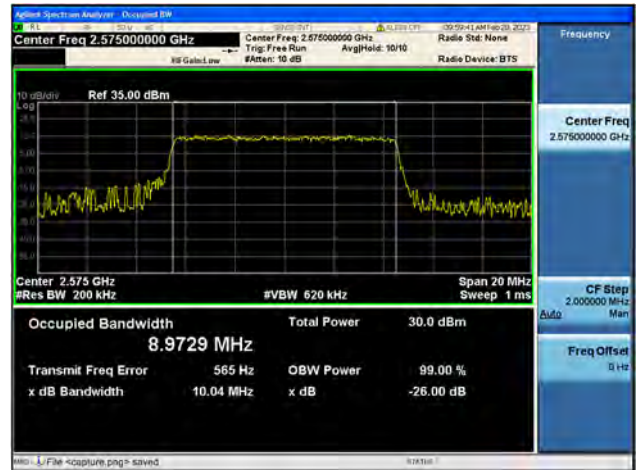
Band38 / 5MHz / QPSK/ High CH



Band38 / 5MHz / 16QAM/ High CH



Band38 / 5MHz / 64QAM/ High CH



Band38 / 10MHz / QPSK/ Low CH



Band38 / 10MHz / 16QAM/ Low CH



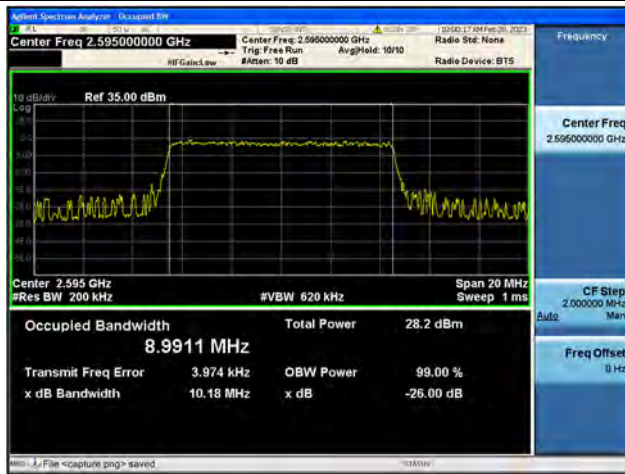
Band38 / 10MHz / 64QAM/ Low CH



Band38 / 10MHz / QPSK / Mid CH



Band38 / 10MHz / 16QAM / Mid CH



Band38 / 10MHz / 64QAM / Mid CH



Band38 / 10MHz / QPSK / High CH



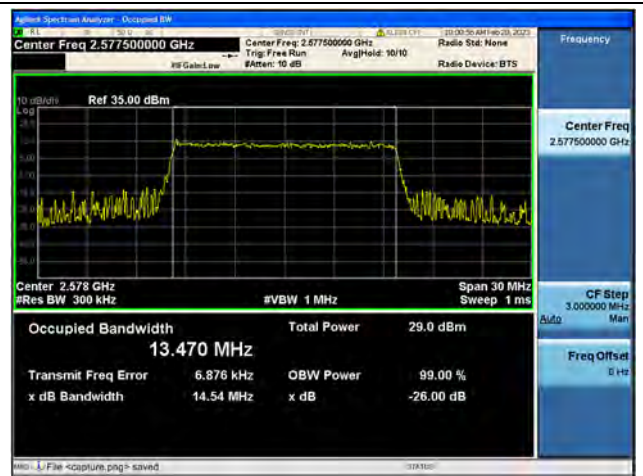
Band38 / 10MHz / 16QAM / High CH



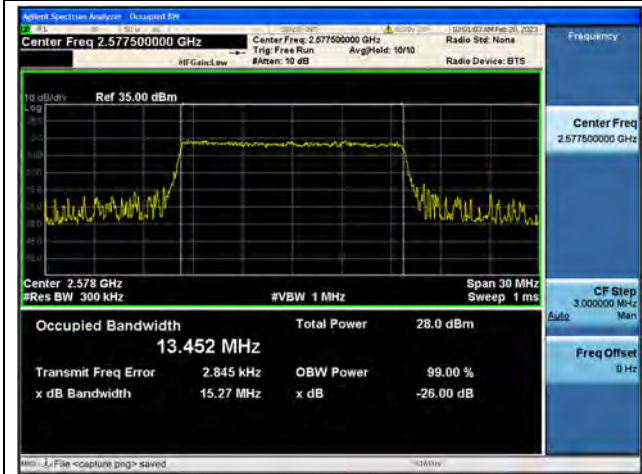
Band38 / 10MHz / 64QAM / High CH



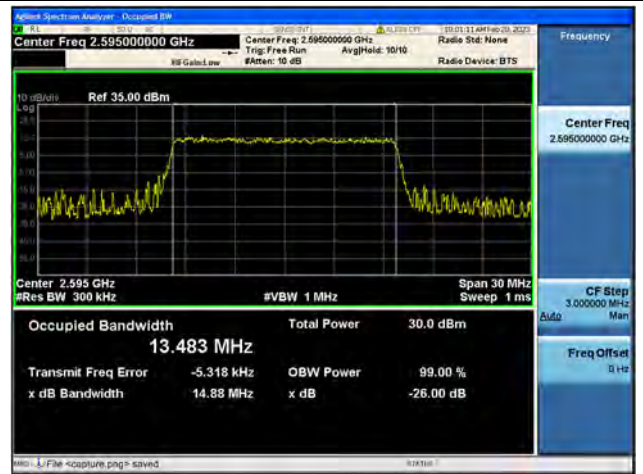
Band38 / 15MHz / QPSK/ Low CH



Band38 / 15MHz / 16QAM/ Low CH



Band38 / 15MHz / 64QAM/ Low CH



Band38 / 15MHz / QPSK/ Mid CH



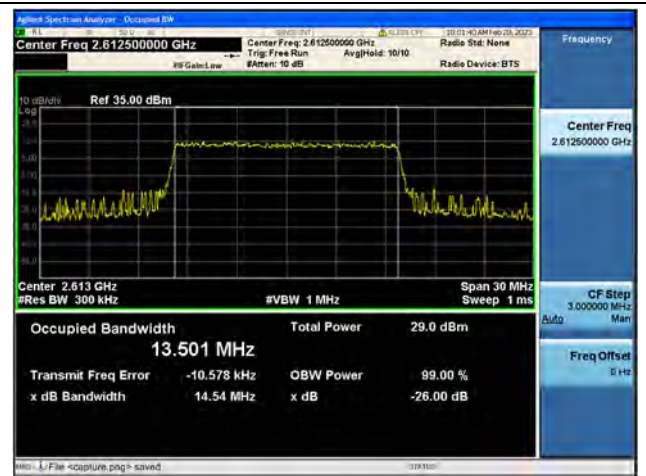
Band38 / 15MHz / 16QAM/ Mid CH



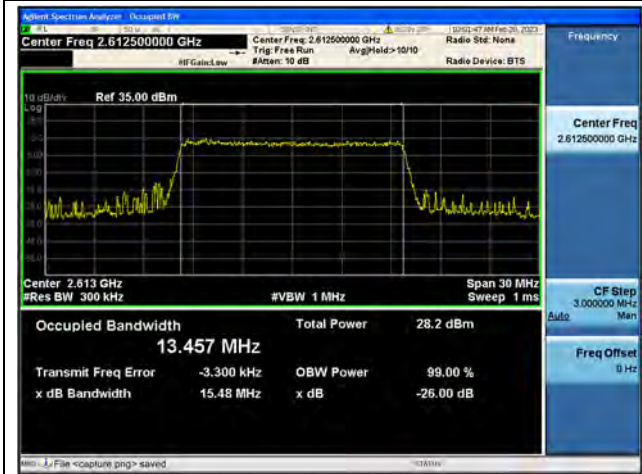
Band38 / 15MHz / 64QAM/ Mid CH



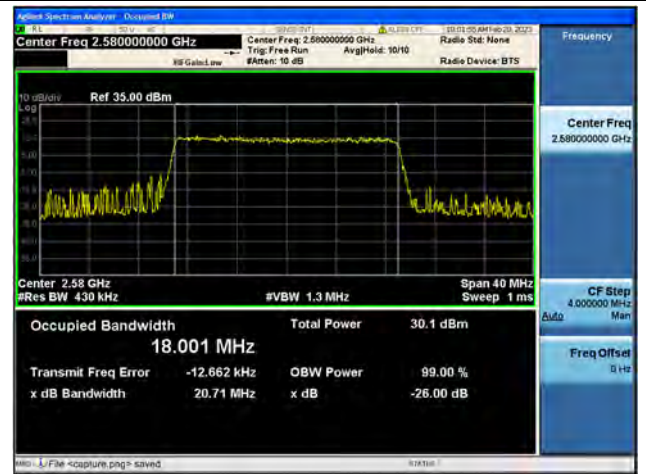
Band38 / 15MHz / QPSK/ High CH



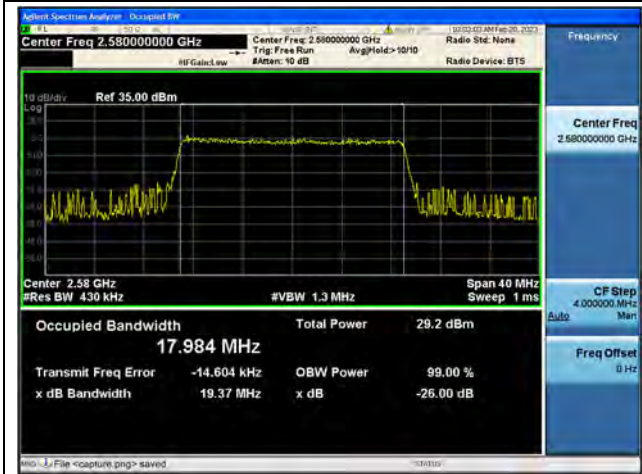
Band38 / 15MHz / 16QAM/ High CH



Band38 / 15MHz / 64QAM/ High CH



Band38 / 20MHz / QPSK/ Low CH



Band38 / 20MHz / 16QAM/ Low CH



Band38 / 20MHz / 64QAM/ Low CH

