



# TEST REPORT

**APPLICANT** : Realme Chongqing Mobile  
Telecommunications Corp., Ltd.

**PRODUCT NAME** : Mobile Phone

**MODEL NAME** : RMX3690

**BRAND NAME** : realme

**FCC ID** : 2AUYFRMX3690

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

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Change History		
Version	Date	Reason for change
1.0	2022-09-05	First edition



# 1. Technical Information

Note: Provide by applicant.

## 1.1. Applicant and Manufacturer Information

<b>Applicant:</b>	Realme Chongqing Mobile Telecommunications Corp., Ltd.
<b>Applicant Address:</b>	No.178 Yulong Avenue, Yufengshan, Yubei District, Chongqing, China
<b>Manufacturer:</b>	Realme Chongqing Mobile Telecommunications Corp., Ltd.
<b>Manufacturer Address:</b>	No.178 Yulong Avenue, Yufengshan, Yubei District, Chongqing, China

## 1.2. Equipment Under Test (EUT) Description

<b>Product Name:</b>	Mobile Phone	
<b>Sample No.:</b>	4#	
<b>Hardware Version:</b>	11	
<b>Software Version:</b>	Android 12	
<b>Modulation Type:</b>	QPSK, 16QAM, 64QAM	
<b>Carrier Aggregation:</b>	Not Support	
<b>Operation Band:</b>	Band 2 / 4 / 5 / 7 / 13 / 38 / 41 / 66	
<b>Frequency Range:</b>	LTE Band 2	Tx: 1850MHz–1910MHz
		Rx: 1930MHz–1990MHz
	LTE Band 4	Tx: 1710MHz–1755MHz
		Rx: 2110MHz–2155MHz
	LTE Band 5	Tx: 824MHz–849MHz
		Rx: 869MHz–894MHz
	LTE Band 7	Tx: 2500MHz–2570MHz
		Rx: 2620MHz–2690MHz
	LTE Band 13	Tx: 777MHz–787MHz
		Rx: 746MHz–756MHz
	LTE Band 38	Tx: 2570MHz–2620MHz
		Rx: 2570MHz–2620MHz
	LTE Band 41	Tx: 2535MHz–2655MHz
		Rx: 2535MHz–2655MHz



<b>Frequency Range:</b>	LTE Band 66	Tx: 1710MHz –1780MHz
		Rx: 2110MHz –2200MHz
<b>Channel Bandwidth:</b>	LTE Band 2	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 4	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 5	1.4MHz, 3MHz, 5MHz, 10MHz
	LTE Band 7	5 MHz, 10MHz, 15MHz, 20MHz
	LTE Band 13	5 MHz, 10MHz
	LTE Band 38	5 MHz, 10MHz, 15MHz, 20MHz
	LTE Band 41	5 MHz, 10MHz, 15MHz, 20MHz
	LTE Band 66	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
<b>Antenna Type:</b>	PIFA Antenna	
<b>Antenna Gain:</b>	LTE Band 2	-1.6dBi
	LTE Band 4	-1.5dBi
	LTE Band 5	-5.0dBi
	LTE Band 7	-2.6dBi
	LTE Band 13	-5.5dBi
	LTE Band 38	-2.6dBi
	LTE Band 41	-2.6dBi
	LTE Band 66	-1.5dBi
<b>Accessory Information:</b>	Battery 1 (Cell maker: CosMX)	
	Brand Name:	realme
	Model No.:	BLP877
	Serial No.:	N/A
	Capacity:	Typical: 5000mAh, Rated: 4890mAh
	Rated Voltage:	3.87V
	Charge Limit:	4.45V
	Manufacturer:	Huizhou Desay Battery Co., Ltd
	Battery 2 (Cell maker: ATL)	
	Brand Name:	realme
	Model No.:	BLP877
	Serial No.:	N/A
	Capacity:	Typical: 5000mAh, Rated: 4890mAh
	Rated Voltage:	3.87V
	Charge Limit:	4.45V
	Manufacturer:	Huizhou Desay Battery Co., Ltd



<b>Accessory Information:</b>	Battery 3	
	Brand Name:	realme
	Model No.:	BLP877
	Serial No.:	N/A
	Capacity:	Typical: 5000mAh, Rated: 4890mAh
	Rated Voltage:	3.87V
	Charge Limit:	4.45V
	Manufacturer:	Dongguan NVT Technology Co., Ltd.
	Battery 4	
	Brand Name:	realme
	Model No.:	BLP877
	Serial No.:	N/A
	Capacity:	Typical: 5000mAh, Rated: 4890mAh
	Rated Voltage:	3.87V
	Charge Limit:	4.45V
	Manufacturer:	TWS Technology (Guangzhou) Limited
	AC Adapter 1	
	Brand Name:	realme
	Model No.:	OP52YAUH
	Serial No.:	N/A
	Rated Output:	5V $\Rightarrow$ 2A
	Rated Input:	100-240V $\sim$ 50/60Hz, 0.4A
	Manufacturer:	Jiangsu Chenyang Electron Co., Ltd.
	AC Adapter 2	
	Brand Name:	realme
	Model No.:	OP52JAUH
	Serial No.:	N/A
Rated Output:	5V $\Rightarrow$ 2A	
Rated Input:	100-240V $\sim$ 50/60Hz, 0.4A	
Manufacturer:	Ten Pao Industrial Co., Ltd.	
USB Cable		
Model No.:	DL122	

**Note 1:** SIM 1 and SIM 2 is a chipset unit and tested as a single chipset. The SIM 1 is chosen for test.

**Note 2:** 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	0.127	0.101	0.102	18M0G7D	18M1W7D	18M0W7D	
15	0.126	0.099	0.101	13M5G7D	13M5W7D	13M5W7D	
10	0.125	0.105	0.098	9M02G7D	8M99W7D	9M02W7D	
5	0.124	0.104	0.101	4M50G7D	4M50W7D	4M51W7D	
3	0.124	0.098	0.101	2M72G7D	2M72W7D	2M71W7D	
1.4	0.123	0.100	0.104	1M10G7D	1M10W7D	1M11W7D	
<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	0.130	0.107	0.106	18M0G7D	18M0W7D	18M0W7D	
15	0.129	0.102	0.106	13M5G7D	13M5W7D	13M5W7D	
10	0.127	0.103	0.107	9M03G7D	8M98W7D	9M04W7D	
5	0.126	0.103	0.105	4M50G7D	4M51W7D	4M51W7D	
3	0.129	0.105	0.101	2M72G7D	2M72W7D	2M71W7D	
1.4	0.128	0.105	0.101	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	0.044	0.036	0.036	9M02G7D	8M99W7D	9M02W7D	
5	0.044	0.037	0.035	4M50G7D	4M51W7D	4M50W7D	
3	0.044	0.036	0.035	2M72G7D	2M71W7D	2M72W7D	
1.4	0.044	0.036	0.035	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	0.100	0.082	0.079	18M0G7D	18M0W7D	18M1W7D	
15	0.099	0.086	0.078	13M5G7D	13M5W7D	13M5W7D	
10	0.097	0.086	0.081	9M01G7D	8M98W7D	9M02W7D	
5	0.097	0.080	0.079	4M51G7D	4M51W7D	4M51W7D	
<b>LTE Band 13</b>		<b>Maximum E.R.P./E.I.R.P. (W)</b>			<b>Emission Designator (99%OBW)</b>		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
10	0.039	0.031	0.030	9M03G7D	8M98W7D	9M03W7D	
5	0.038	0.034	0.030	4M50G7D	4M51W7D	4M51W7D	



<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	0.115	0.097	0.083	18M0G7D	18M0W7D	18M0W7D
15	0.113	0.097	0.081	13M5G7D	13M5W7D	13M5W7D
10	0.113	0.099	0.083	9M01G7D	8M99W7D	9M00W7D
5	0.113	0.102	0.083	4M51G7D	4M51W7D	4M51W7D
<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	0.113	0.097	0.100	18M0G7D	18M0W7D	18M0W7D
15	0.112	0.096	0.103	13M5G7D	13M5W7D	13M5W7D
10	0.112	0.093	0.096	9M00G7D	8M99W7D	9M00W7D
5	0.110	0.097	0.103	4M51G7D	4M51W7D	4M52W7D
<b>LTE Band 66</b>	<b>Maximum E.R.P./E.I.R.P. (W)</b>			<b>Emission Designator (99%OBW)</b>		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.147	0.122	0.130	18M0G7D	18M1W7D	18M0W7D
15	0.146	0.123	0.131	13M5G7D	13M5W7D	13M5W7D
10	0.147	0.129	0.127	9M01G7D	8M98W7D	9M02W7D
5	0.145	0.130	0.129	4M51G7D	4M50W7D	4M51W7D
3	0.144	0.124	0.128	2M72G7D	2M71W7D	2M71W7D
1.4	0.145	0.127	0.129	1M10G7D	1M10W7D	1M11W7D



## 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(b)(10) 27.50(c)(10) 27.50(d)(4) 27.50(h)(2)	Transmitter Conducted Output Power and E.R.P./E.I.R.P.	Sep. 01, 2022	Chen Hao Li Huaijie	PASS	No deviation
2.1049	Occupied Bandwidth	Aug. 25, 2022	Li Huaijie	PASS	No deviation
2.1055 22.355 24.235 27.54	Frequency Stability	Aug. 26, 2022	Li Huaijie	PASS	No deviation
24.232(d), 27.50(d)(5)	Peak to Average Radio	Aug. 25, 2022	Li Huaijie	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(c)(2) 27.53(g) 27.53(h) 27.53(m)(4)	Conducted Spurious Emissions	Aug. 25&26, 2022	Li Huaijie	PASS	No deviation
2.1051 22.917(a)	Band Edge	Aug. 22&25, 2022	Li Huaijie	PASS	No deviation





24.238(a) 27.53(c)(2) 27.53(g) 27.53(h) 27.53(m)(4)					
2.1053 22.917(a) 24.238(a) 27.53(c)(2) 27.53(g) 27.53(h) 27.53(m)(4)	Radiated Spurious Emissions	Aug. 25, 2022	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 F&H&L&M Requirements**

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

#### **2.1.1. Requirement**

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

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

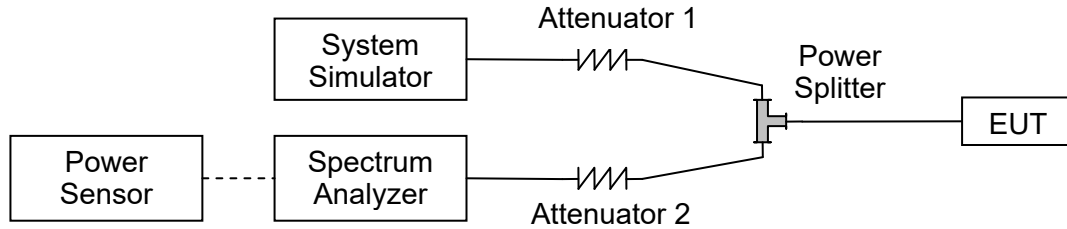
According to FCC section 27.50 (d)(4) for LTE Band 4/66, Fixed, mobile and portable (hand-held) stations in the 1710-1755MHz band are limited to 1wat E.I.R.P.

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

According to FCC section 27.50 (h)(2) for LTE Band 7/38/41, 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 (b)(10) for LTE Band 13, Portable stations (hand-held devices) transmitting in the 746-757 MHz, 776-788 MHz, and 805-806 MHz bands are limited to 3 watts E.R.P.

### 2.1.2. Test Description



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

### 2.1.3. Test Procedure

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

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

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



2.1.4. Result

Conducted Output Power:

LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18700	18900	19100
Frequency (MHz)				1860	1880	1900
20	QPSK	1	0	22.62	22.65	22.59
20	QPSK	1	49	22.60	22.54	22.47
20	QPSK	1	99	22.54	22.50	22.48
20	QPSK	50	0	21.58	21.67	21.60
20	QPSK	50	24	21.59	21.64	21.64
20	QPSK	50	50	21.64	21.60	21.66
20	QPSK	100	0	21.57	21.66	21.62
20	16QAM	1	0	21.31	21.31	21.33
20	16QAM	1	49	21.15	21.45	21.41
20	16QAM	1	99	21.40	21.25	21.65
20	16QAM	50	0	21.33	21.30	21.28
20	16QAM	50	24	21.29	21.34	21.35
20	16QAM	50	50	21.37	21.34	21.41
20	16QAM	100	0	21.40	21.41	21.28
20	64QAM	1	0	21.47	21.66	21.40
20	64QAM	1	49	21.42	21.60	21.51
20	64QAM	1	99	21.37	21.70	21.70
20	64QAM	50	0	21.47	21.39	21.44
20	64QAM	50	24	21.50	21.44	21.49
20	64QAM	50	50	21.49	21.50	21.44
20	64QAM	100	0	21.37	21.34	21.35



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	22.43	22.46	22.37
15	QPSK	1	37	22.22	22.58	22.46
15	QPSK	1	74	22.59	22.51	22.59
15	QPSK	36	0	21.56	21.65	21.64
15	QPSK	36	20	21.23	21.42	21.39
15	QPSK	36	39	21.35	21.36	21.33
15	QPSK	75	0	21.27	21.33	21.29
15	16QAM	1	0	21.36	21.44	21.38
15	16QAM	1	37	21.49	21.52	21.38
15	16QAM	1	74	21.44	21.56	21.56
15	16QAM	36	0	21.23	21.28	21.31
15	16QAM	36	20	21.32	21.25	21.38
15	16QAM	36	39	21.37	21.46	21.43
15	16QAM	75	0	21.24	21.26	21.35
15	64QAM	1	0	21.44	21.20	21.26
15	64QAM	1	37	21.43	21.24	21.66
15	64QAM	1	74	21.32	21.36	21.51
15	64QAM	36	0	21.17	21.34	21.22
15	64QAM	36	20	21.37	21.39	21.29
15	64QAM	36	39	21.25	21.30	21.39
15	64QAM	75	0	21.24	21.31	21.30



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18650	18900	19150
Frequency (MHz)				1855	1880	1905
10	QPSK	1	0	22.47	22.46	22.56
10	QPSK	1	25	22.51	22.54	22.49
10	QPSK	1	49	22.47	22.48	22.47
10	QPSK	25	0	21.74	21.75	21.71
10	QPSK	25	12	21.70	21.82	21.75
10	QPSK	25	25	21.61	21.74	21.70
10	QPSK	50	0	21.35	21.44	21.42
10	16QAM	1	0	21.83	21.76	21.75
10	16QAM	1	25	21.52	21.48	21.55
10	16QAM	1	49	21.47	21.55	21.34
10	16QAM	25	0	21.37	21.36	21.33
10	16QAM	25	12	21.53	21.33	21.33
10	16QAM	25	25	21.33	21.53	21.63
10	16QAM	50	0	21.22	21.15	21.19
10	64QAM	1	0	21.41	21.46	21.46
10	64QAM	1	25	21.44	21.49	21.53
10	64QAM	1	49	21.11	21.24	21.21
10	64QAM	25	0	21.41	21.45	21.46
10	64QAM	25	12	21.44	21.42	21.43
10	64QAM	25	25	21.37	21.15	21.37
10	64QAM	50	0	21.38	21.38	21.35



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	22.47	22.52	22.46
5	QPSK	1	12	22.46	22.41	22.44
5	QPSK	1	24	22.42	22.50	22.51
5	QPSK	12	0	21.59	21.50	21.57
5	QPSK	12	7	21.60	21.65	21.57
5	QPSK	12	13	21.27	21.26	21.29
5	QPSK	25	0	21.26	21.24	21.26
5	16QAM	1	0	21.39	21.29	21.67
5	16QAM	1	12	21.37	21.30	21.67
5	16QAM	1	24	21.40	21.27	21.66
5	16QAM	12	0	21.49	21.63	21.49
5	16QAM	12	7	21.39	21.39	21.19
5	16QAM	12	13	21.19	21.52	21.29
5	16QAM	25	0	21.29	21.75	21.73
5	64QAM	1	0	21.49	21.21	21.26
5	64QAM	1	12	21.65	21.31	21.42
5	64QAM	1	24	21.66	21.30	21.32
5	64QAM	12	0	21.31	21.24	21.23
5	64QAM	12	7	21.37	21.21	21.21
5	64QAM	12	13	21.34	21.30	21.28
5	64QAM	25	0	21.41	21.21	21.28



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	22.41	22.48	22.40
3	QPSK	1	8	22.51	22.54	22.37
3	QPSK	1	14	22.52	22.39	22.39
3	QPSK	8	0	21.47	21.42	21.44
3	QPSK	8	4	21.53	21.47	21.48
3	QPSK	8	7	21.53	21.47	21.43
3	QPSK	15	0	21.13	21.21	21.14
3	16QAM	1	0	21.29	21.20	21.14
3	16QAM	1	8	21.33	21.27	21.23
3	16QAM	1	14	21.26	21.23	21.11
3	16QAM	8	0	21.37	21.50	21.42
3	16QAM	8	4	21.44	21.41	21.47
3	16QAM	8	7	21.34	21.39	21.42
3	16QAM	15	0	21.37	21.41	21.36
3	64QAM	1	0	21.22	21.15	21.18
3	64QAM	1	8	21.64	21.63	21.23
3	64QAM	1	14	21.25	21.61	21.25
3	64QAM	8	0	21.17	21.19	21.03
3	64QAM	8	4	21.27	21.17	21.17
3	64QAM	8	7	21.37	21.26	21.12
3	64QAM	15	0	21.22	21.22	21.20





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	22.47	22.50	22.45
1.4	QPSK	1	3	22.37	22.35	22.34
1.4	QPSK	1	5	22.34	22.32	22.30
1.4	QPSK	3	0	22.34	22.34	22.30
1.4	QPSK	3	1	22.38	22.35	22.33
1.4	QPSK	3	3	22.40	22.44	22.33
1.4	QPSK	6	0	21.43	21.41	21.40
1.4	16QAM	1	0	21.46	21.46	21.40
1.4	16QAM	1	3	21.42	21.62	21.60
1.4	16QAM	1	5	21.30	21.50	21.18
1.4	16QAM	3	0	21.32	21.37	21.34
1.4	16QAM	3	1	21.50	21.32	21.37
1.4	16QAM	3	3	21.52	21.49	21.23
1.4	16QAM	6	0	21.53	21.46	21.41
1.4	64QAM	1	0	21.41	21.33	21.36
1.4	64QAM	1	3	21.43	21.64	21.52
1.4	64QAM	1	5	21.41	21.76	21.35
1.4	64QAM	3	0	21.44	21.50	21.51
1.4	64QAM	3	1	21.53	21.50	21.71
1.4	64QAM	3	3	21.45	21.59	21.36
1.4	64QAM	6	0	21.50	21.53	21.42



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	22.56	22.64	22.63
20	QPSK	1	49	22.42	22.50	22.49
20	QPSK	1	99	22.34	22.47	22.59
20	QPSK	50	0	21.53	21.57	21.54
20	QPSK	50	24	21.44	21.52	21.52
20	QPSK	50	50	21.33	21.44	21.45
20	QPSK	100	0	21.43	21.47	21.54
20	16QAM	1	0	21.30	21.60	21.47
20	16QAM	1	49	21.45	21.22	21.36
20	16QAM	1	99	21.24	21.46	21.30
20	16QAM	50	0	21.43	21.36	21.50
20	16QAM	50	24	21.69	21.80	21.69
20	16QAM	50	50	21.65	21.66	21.66
20	16QAM	100	0	21.67	21.75	21.76
20	64QAM	1	0	21.41	21.52	21.74
20	64QAM	1	49	21.45	21.38	21.26
20	64QAM	1	99	21.72	21.29	21.76
20	64QAM	50	0	21.42	21.51	21.46
20	64QAM	50	24	21.44	21.55	21.49
20	64QAM	50	50	21.48	21.43	21.45
20	64QAM	100	0	21.51	21.49	21.58



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	22.43	22.47	22.57
15	QPSK	1	37	22.47	22.56	22.48
15	QPSK	1	74	22.34	22.56	22.59
15	QPSK	36	0	21.38	21.45	21.48
15	QPSK	36	20	21.42	21.55	21.51
15	QPSK	36	39	21.47	21.46	21.55
15	QPSK	75	0	21.42	21.44	21.45
15	16QAM	1	0	21.36	21.58	21.30
15	16QAM	1	37	21.44	21.44	21.28
15	16QAM	1	74	21.30	21.60	21.39
15	16QAM	36	0	21.31	21.33	21.52
15	16QAM	36	20	21.26	21.33	21.39
15	16QAM	36	39	21.22	21.31	21.37
15	16QAM	75	0	21.33	21.34	21.43
15	64QAM	1	0	21.28	21.59	21.64
15	64QAM	1	37	21.70	21.46	21.52
15	64QAM	1	74	21.74	21.45	21.49
15	64QAM	36	0	21.39	21.46	21.50
15	64QAM	36	20	21.45	21.47	21.49
15	64QAM	36	39	21.48	21.44	21.46
15	64QAM	75	0	21.41	21.52	21.45



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	22.55	22.54	22.37
10	QPSK	1	25	22.53	22.46	22.47
10	QPSK	1	49	22.41	22.24	22.47
10	QPSK	25	0	21.40	21.62	21.64
10	QPSK	25	12	21.52	21.58	21.62
10	QPSK	25	25	21.41	21.52	21.59
10	QPSK	50	0	21.47	21.57	21.49
10	16QAM	1	0	21.27	21.42	21.18
10	16QAM	1	25	21.54	21.28	21.60
10	16QAM	1	49	21.61	21.51	21.50
10	16QAM	25	0	21.27	21.26	21.25
10	16QAM	25	12	21.19	21.29	21.26
10	16QAM	25	25	21.53	21.44	21.53
10	16QAM	50	0	21.47	21.51	21.63
10	64QAM	1	0	21.33	21.41	21.31
10	64QAM	1	25	21.40	21.69	21.78
10	64QAM	1	49	21.38	21.42	21.37
10	64QAM	25	0	21.22	21.36	21.35
10	64QAM	25	12	21.31	21.42	21.46
10	64QAM	25	25	21.19	21.31	21.33
10	64QAM	50	0	21.25	21.32	21.31



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19975	20175	20375
Frequency (MHz)				1712.5	1732.5	1752.5
5	QPSK	1	0	22.52	22.47	22.52
5	QPSK	1	12	22.51	22.46	22.43
5	QPSK	1	24	22.26	22.38	22.37
5	QPSK	12	0	21.48	21.48	21.52
5	QPSK	12	7	21.48	21.59	21.56
5	QPSK	12	13	21.43	21.60	21.52
5	QPSK	25	0	21.46	21.50	21.56
5	16QAM	1	0	21.17	21.58	21.26
5	16QAM	1	12	21.28	21.63	21.22
5	16QAM	1	24	21.22	21.57	21.17
5	16QAM	12	0	21.21	21.15	21.18
5	16QAM	12	7	21.24	21.28	21.26
5	16QAM	12	13	21.51	21.58	21.62
5	16QAM	25	0	21.52	21.63	21.56
5	64QAM	1	0	21.29	21.73	21.71
5	64QAM	1	12	21.67	21.43	21.70
5	64QAM	1	24	21.63	21.33	21.40
5	64QAM	12	0	21.30	21.37	21.39
5	64QAM	12	7	21.29	21.38	21.44
5	64QAM	12	13	21.30	21.36	21.35
5	64QAM	25	0	21.25	21.39	21.30



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	22.37	22.38	22.50
3	QPSK	1	8	22.46	22.60	22.54
3	QPSK	1	14	22.26	22.45	22.45
3	QPSK	8	0	21.46	21.52	21.53
3	QPSK	8	4	21.52	21.60	21.62
3	QPSK	8	7	21.48	21.58	21.58
3	QPSK	15	0	21.29	21.35	21.29
3	16QAM	1	0	21.37	21.46	21.50
3	16QAM	1	8	21.59	21.59	21.33
3	16QAM	1	14	21.50	21.28	21.36
3	16QAM	8	0	21.29	21.30	21.39
3	16QAM	8	4	21.39	21.39	21.40
3	16QAM	8	7	21.61	21.69	21.73
3	16QAM	15	0	21.61	21.59	21.66
3	64QAM	1	0	21.28	21.37	21.35
3	64QAM	1	8	21.47	21.35	21.51
3	64QAM	1	14	21.28	21.35	21.18
3	64QAM	8	0	21.26	21.30	21.24
3	64QAM	8	4	21.38	21.36	21.40
3	64QAM	8	7	21.32	21.39	21.51
3	64QAM	15	0	21.47	21.55	21.46



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	22.52	22.57	22.55
1.4	QPSK	1	3	22.46	22.46	22.50
1.4	QPSK	1	5	22.32	22.41	22.43
1.4	QPSK	3	0	22.40	22.37	22.36
1.4	QPSK	3	1	22.36	22.46	22.51
1.4	QPSK	3	3	22.35	22.42	22.41
1.4	QPSK	6	0	21.51	21.53	21.49
1.4	16QAM	1	0	21.26	21.73	21.39
1.4	16QAM	1	3	21.39	21.47	21.51
1.4	16QAM	1	5	21.45	21.61	21.41
1.4	16QAM	3	0	21.48	21.52	21.43
1.4	16QAM	3	1	21.49	21.52	21.54
1.4	16QAM	3	3	21.48	21.60	21.49
1.4	16QAM	6	0	21.39	21.40	21.31
1.4	64QAM	1	0	21.17	21.11	21.25
1.4	64QAM	1	3	21.43	21.41	21.53
1.4	64QAM	1	5	21.34	21.30	21.14
1.4	64QAM	3	0	21.25	21.23	21.42
1.4	64QAM	3	1	21.16	21.31	21.28
1.4	64QAM	3	3	21.22	21.39	21.27
1.4	64QAM	6	0	21.21	21.22	21.29



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	23.59	23.60	23.52
10	QPSK	1	25	23.45	23.48	23.28
10	QPSK	1	49	23.37	23.49	23.17
10	QPSK	25	0	22.56	22.58	22.39
10	QPSK	25	12	22.32	22.34	22.39
10	QPSK	25	25	22.32	22.43	22.48
10	QPSK	50	0	22.38	22.26	22.40
10	16QAM	1	0	22.42	22.61	22.32
10	16QAM	1	25	22.65	22.68	22.36
10	16QAM	1	49	22.48	22.54	22.61
10	16QAM	25	0	22.57	22.58	22.40
10	16QAM	25	12	22.51	22.59	22.37
10	16QAM	25	25	22.54	22.47	22.50
10	16QAM	50	0	22.55	22.46	22.36
10	64QAM	1	0	22.51	22.61	22.49
10	64QAM	1	25	22.48	22.68	22.48
10	64QAM	1	49	22.37	22.59	22.50
10	64QAM	25	0	22.48	22.59	22.26
10	64QAM	25	12	22.47	22.64	22.35
10	64QAM	25	25	22.59	22.48	22.18
10	64QAM	50	0	22.55	22.51	22.37





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	23.54	23.50	23.48
5	QPSK	1	12	23.44	23.55	23.39
5	QPSK	1	24	23.44	23.39	23.39
5	QPSK	12	0	22.47	22.52	22.38
5	QPSK	12	7	22.54	22.55	22.47
5	QPSK	12	13	22.59	22.43	22.38
5	QPSK	25	0	22.50	22.46	22.38
5	16QAM	1	0	22.79	22.72	22.48
5	16QAM	1	12	22.49	22.71	22.47
5	16QAM	1	24	22.36	22.71	22.54
5	16QAM	12	0	22.45	22.54	22.53
5	16QAM	12	7	22.52	22.55	22.37
5	16QAM	12	13	22.52	22.43	22.48
5	16QAM	25	0	22.53	22.58	22.53
5	64QAM	1	0	22.60	22.48	22.59
5	64QAM	1	12	22.48	22.42	22.56
5	64QAM	1	24	22.62	22.46	22.40
5	64QAM	12	0	22.34	22.48	22.28
5	64QAM	12	7	22.38	22.54	22.32
5	64QAM	12	13	22.56	22.51	22.08
5	64QAM	25	0	22.44	22.51	22.12



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	23.53	23.54	23.39
3	QPSK	1	8	23.49	23.50	23.41
3	QPSK	1	14	23.50	23.48	23.22
3	QPSK	8	0	22.40	22.53	22.51
3	QPSK	8	4	22.54	22.60	22.57
3	QPSK	8	7	22.49	22.51	22.38
3	QPSK	15	0	22.47	22.53	22.52
3	16QAM	1	0	22.49	22.60	22.67
3	16QAM	1	8	22.42	22.68	22.52
3	16QAM	1	14	22.47	22.73	22.48
3	16QAM	8	0	22.43	22.52	22.26
3	16QAM	8	4	22.59	22.70	22.27
3	16QAM	8	7	22.51	22.57	22.31
3	16QAM	15	0	22.45	22.47	22.02
3	64QAM	1	0	22.40	22.28	22.49
3	64QAM	1	8	22.28	22.52	22.28
3	64QAM	1	14	22.30	22.48	22.29
3	64QAM	8	0	22.40	22.50	22.48
3	64QAM	8	4	22.62	22.46	22.40
3	64QAM	8	7	22.57	22.49	22.46
3	64QAM	15	0	22.46	22.56	22.36



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	23.54	23.51	23.55
1.4	QPSK	1	3	23.57	23.50	23.57
1.4	QPSK	1	5	23.46	23.40	23.41
1.4	QPSK	3	0	23.47	23.53	23.49
1.4	QPSK	3	1	23.53	23.40	23.50
1.4	QPSK	3	3	23.54	23.46	23.46
1.4	QPSK	6	0	22.45	22.44	22.43
1.4	16QAM	1	0	22.58	22.39	22.56
1.4	16QAM	1	3	22.38	22.62	22.51
1.4	16QAM	1	5	22.77	22.45	22.51
1.4	16QAM	3	0	22.30	22.28	22.42
1.4	16QAM	3	1	22.33	22.60	22.46
1.4	16QAM	3	3	22.41	22.52	22.40
1.4	16QAM	6	0	22.60	22.47	22.51
1.4	64QAM	1	0	22.13	22.30	22.32
1.4	64QAM	1	3	22.44	22.45	22.40
1.4	64QAM	1	5	22.39	22.38	22.26
1.4	64QAM	3	0	22.05	22.32	22.33
1.4	64QAM	3	1	22.33	22.27	22.28
1.4	64QAM	3	3	22.23	22.40	22.44
1.4	64QAM	6	0	22.44	22.56	22.45



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	22.60	22.61	22.53
20	QPSK	1	49	22.55	22.59	22.48
20	QPSK	1	99	22.50	22.45	22.50
20	QPSK	50	0	21.59	21.66	21.63
20	QPSK	50	24	21.35	21.32	21.22
20	QPSK	50	50	21.45	21.48	21.45
20	QPSK	100	0	21.40	21.42	21.39
20	16QAM	1	0	21.36	21.46	21.64
20	16QAM	1	49	21.51	21.37	21.65
20	16QAM	1	99	21.45	21.76	21.41
20	16QAM	50	0	21.30	21.40	21.33
20	16QAM	50	24	21.35	21.27	21.38
20	16QAM	50	50	21.43	21.48	21.31
20	16QAM	100	0	21.31	21.43	21.41
20	64QAM	1	0	21.19	21.35	21.37
20	64QAM	1	49	21.47	21.44	21.49
20	64QAM	1	99	21.45	21.50	21.41
20	64QAM	50	0	21.39	21.40	21.45
20	64QAM	50	24	21.44	21.45	21.45
20	64QAM	50	50	21.48	21.55	21.40
20	64QAM	100	0	21.41	21.38	21.50



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20825	21100	21375
Frequency (MHz)				2507.5	2535	2562.5
15	QPSK	1	0	22.43	22.52	22.52
15	QPSK	1	37	22.53	22.50	22.54
15	QPSK	1	74	22.47	22.54	22.54
15	QPSK	36	0	21.18	21.27	21.29
15	QPSK	36	20	21.26	21.33	21.28
15	QPSK	36	39	21.29	21.32	21.36
15	QPSK	75	0	21.35	21.28	21.30
15	16QAM	1	0	21.71	21.82	21.89
15	16QAM	1	37	21.53	21.64	21.62
15	16QAM	1	74	21.72	21.72	21.94
15	16QAM	36	0	21.31	21.42	21.44
15	16QAM	36	20	21.38	21.41	21.40
15	16QAM	36	39	21.44	21.42	21.31
15	16QAM	75	0	21.39	21.47	21.39
15	64QAM	1	0	21.29	21.26	21.14
15	64QAM	1	37	21.19	21.34	21.43
15	64QAM	1	74	21.18	21.30	21.36
15	64QAM	36	0	21.37	21.45	21.44
15	64QAM	36	20	21.48	21.47	21.54
15	64QAM	36	39	21.52	21.43	21.45
15	64QAM	75	0	21.37	21.47	21.42



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20800	21100	21400
Frequency (MHz)				2505	2535	2565
10	QPSK	1	0	22.42	22.29	22.32
10	QPSK	1	25	22.45	22.35	22.37
10	QPSK	1	49	22.38	22.35	22.37
10	QPSK	25	0	21.25	21.25	21.24
10	QPSK	25	12	21.21	21.33	21.38
10	QPSK	25	25	21.14	21.32	21.32
10	QPSK	50	0	21.23	21.35	21.34
10	16QAM	1	0	21.48	21.66	21.51
10	16QAM	1	25	21.47	21.49	21.54
10	16QAM	1	49	21.94	21.84	21.75
10	16QAM	25	0	21.37	21.25	21.33
10	16QAM	25	12	21.19	21.36	21.29
10	16QAM	25	25	21.24	21.27	21.19
10	16QAM	50	0	21.27	21.36	21.21
10	64QAM	1	0	21.29	21.25	21.23
10	64QAM	1	25	21.32	21.57	21.40
10	64QAM	1	49	21.43	21.67	21.48
10	64QAM	25	0	21.29	21.27	21.31
10	64QAM	25	12	21.31	21.42	21.35
10	64QAM	25	25	21.24	21.14	21.13
10	64QAM	50	0	21.18	21.24	21.16



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20775	21100	21425
Frequency (MHz)				2502.5	2535	2567.5
5	QPSK	1	0	22.46	22.37	22.27
5	QPSK	1	12	22.33	22.26	22.34
5	QPSK	1	24	22.27	22.33	22.37
5	QPSK	12	0	21.12	21.20	21.12
5	QPSK	12	7	21.19	21.34	21.26
5	QPSK	12	13	21.21	21.37	21.22
5	QPSK	25	0	21.15	21.16	21.11
5	16QAM	1	0	21.33	21.31	21.37
5	16QAM	1	12	21.38	21.60	21.50
5	16QAM	1	24	21.44	21.63	21.45
5	16QAM	12	0	21.35	21.41	21.32
5	16QAM	12	7	21.24	21.26	21.22
5	16QAM	12	13	21.24	21.30	21.43
5	16QAM	25	0	21.21	21.26	21.28
5	64QAM	1	0	21.39	21.44	21.40
5	64QAM	1	12	21.44	21.56	21.44
5	64QAM	1	24	21.48	21.58	21.54
5	64QAM	12	0	21.19	21.16	21.21
5	64QAM	12	7	21.28	21.33	21.12
5	64QAM	12	13	21.23	21.32	21.18
5	64QAM	25	0	21.18	21.17	21.22



LTE Band 13						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				/	23230	/
Frequency (MHz)				/	782	/
10	QPSK	1	0	/	23.60	/
10	QPSK	1	25	/	23.41	/
10	QPSK	1	49	/	23.41	/
10	QPSK	25	0	/	22.48	/
10	QPSK	25	12	/	22.21	/
10	QPSK	25	25	/	22.25	/
10	QPSK	50	0	/	22.25	/
10	16QAM	1	0	/	22.30	/
10	16QAM	1	25	/	22.61	/
10	16QAM	1	49	/	22.53	/
10	16QAM	25	0	/	22.46	/
10	16QAM	25	12	/	22.43	/
10	16QAM	25	25	/	22.37	/
10	16QAM	50	0	/	22.44	/
10	64QAM	1	0	/	22.45	/
10	64QAM	1	25	/	22.25	/
10	64QAM	1	49	/	22.12	/
10	64QAM	25	0	/	22.44	/
10	64QAM	25	12	/	22.27	/
10	64QAM	25	25	/	22.34	/
10	64QAM	50	0	/	22.43	/





LTE Band 13						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23230	23230	23230
Frequency (MHz)				782	782	782
5	QPSK	1	0	23.42	23.38	23.34
5	QPSK	1	12	23.41	23.37	23.36
5	QPSK	1	24	23.33	23.39	23.38
5	QPSK	12	0	22.23	22.41	22.57
5	QPSK	12	7	22.35	22.44	22.52
5	QPSK	12	13	22.18	22.46	22.52
5	QPSK	25	0	22.21	22.38	22.51
5	16QAM	1	0	22.69	22.74	22.46
5	16QAM	1	12	22.86	22.42	22.79
5	16QAM	1	24	22.70	22.75	22.91
5	16QAM	12	0	22.14	22.17	22.38
5	16QAM	12	7	22.14	22.21	22.33
5	16QAM	12	13	22.05	22.30	22.33
5	16QAM	25	0	22.15	22.27	22.31
5	64QAM	1	0	22.21	22.22	22.22
5	64QAM	1	12	22.25	22.22	22.30
5	64QAM	1	24	22.30	22.30	22.22
5	64QAM	12	0	22.36	22.41	22.35
5	64QAM	12	7	22.23	22.31	22.25
5	64QAM	12	13	22.08	22.26	22.28
5	64QAM	25	0	22.05	22.24	22.40



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	23.12	23.19	23.16
20	QPSK	1	49	23.11	23.13	23.13
20	QPSK	1	99	23.03	23.09	23.06
20	QPSK	50	0	22.23	22.45	22.31
20	QPSK	50	24	22.16	22.23	22.19
20	QPSK	50	50	22.20	22.25	22.19
20	QPSK	100	0	22.08	22.19	22.22
20	16QAM	1	0	22.20	22.20	22.13
20	16QAM	1	49	22.19	21.79	22.19
20	16QAM	1	99	22.35	22.34	22.45
20	16QAM	50	0	22.20	22.34	21.95
20	16QAM	50	24	22.31	22.13	22.04
20	16QAM	50	50	22.30	21.94	21.98
20	16QAM	100	0	22.31	22.34	22.00
20	64QAM	1	0	21.47	21.75	21.78
20	64QAM	1	49	21.47	21.66	21.76
20	64QAM	1	99	21.49	21.76	21.80
20	64QAM	50	0	21.48	21.47	21.36
20	64QAM	50	24	21.50	21.46	21.45
20	64QAM	50	50	21.48	21.25	21.47
20	64QAM	100	0	21.48	21.44	21.35



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	23.09	23.09	23.10
15	QPSK	1	37	23.10	23.02	23.13
15	QPSK	1	74	22.91	23.13	23.10
15	QPSK	36	0	22.22	22.47	22.51
15	QPSK	36	20	22.36	22.45	22.41
15	QPSK	36	39	22.43	22.41	22.34
15	QPSK	75	0	22.31	22.31	22.32
15	16QAM	1	0	22.39	22.41	22.31
15	16QAM	1	37	22.41	22.45	22.13
15	16QAM	1	74	22.42	22.32	22.12
15	16QAM	36	0	22.19	22.15	22.04
15	16QAM	36	20	22.17	22.31	22.08
15	16QAM	36	39	22.19	22.21	22.06
15	16QAM	75	0	22.15	22.10	22.04
15	64QAM	1	0	21.61	21.50	21.66
15	64QAM	1	37	21.49	21.50	21.48
15	64QAM	1	74	21.44	21.52	21.69
15	64QAM	36	0	21.36	21.51	21.44
15	64QAM	36	20	21.64	21.50	21.38
15	64QAM	36	39	21.48	21.48	21.49
15	64QAM	75	0	21.66	21.48	21.52



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	23.12	23.13	23.13
10	QPSK	1	25	23.12	22.92	23.12
10	QPSK	1	49	23.06	23.08	23.11
10	QPSK	25	0	22.21	22.07	22.07
10	QPSK	25	12	22.41	22.37	22.08
10	QPSK	25	25	22.42	22.44	22.04
10	QPSK	50	0	22.43	22.35	22.07
10	16QAM	1	0	22.29	22.06	22.37
10	16QAM	1	25	22.17	22.07	22.47
10	16QAM	1	49	22.54	22.10	22.19
10	16QAM	25	0	22.04	22.15	22.11
10	16QAM	25	12	22.34	22.04	22.17
10	16QAM	25	25	22.04	22.18	22.23
10	16QAM	50	0	22.16	22.20	22.12
10	64QAM	1	0	21.51	21.54	21.47
10	64QAM	1	25	21.42	21.67	21.57
10	64QAM	1	49	21.78	21.52	21.57
10	64QAM	25	0	21.37	21.37	21.47
10	64QAM	25	12	21.37	21.57	21.58
10	64QAM	25	25	21.33	21.53	21.49
10	64QAM	50	0	21.39	21.55	21.45



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	23.07	23.08	23.11
5	QPSK	1	12	22.92	23.13	23.11
5	QPSK	1	24	22.92	22.91	22.90
5	QPSK	12	0	22.34	22.82	22.41
5	QPSK	12	7	22.48	22.47	22.47
5	QPSK	12	13	22.36	22.38	22.40
5	QPSK	25	0	22.40	22.41	22.07
5	16QAM	1	0	22.58	22.69	22.59
5	16QAM	1	12	22.19	22.37	22.07
5	16QAM	1	24	22.19	22.20	22.19
5	16QAM	12	0	22.20	22.25	22.19
5	16QAM	12	7	22.19	22.21	22.19
5	16QAM	12	13	22.10	22.22	22.19
5	16QAM	25	0	22.37	22.09	22.27
5	64QAM	1	0	21.48	21.81	21.42
5	64QAM	1	12	21.75	21.75	21.82
5	64QAM	1	24	21.75	21.75	21.72
5	64QAM	12	0	21.43	21.55	21.51
5	64QAM	12	7	21.52	21.53	21.44
5	64QAM	12	13	21.51	21.54	21.41
5	64QAM	25	0	21.55	21.57	21.48



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				40140	40640	41140
Frequency (MHz)				2545	2595	2645
20	QPSK	1	0	23.02	23.14	23.08
20	QPSK	1	49	22.98	23.07	23.08
20	QPSK	1	99	22.92	23.03	22.88
20	QPSK	50	0	22.18	22.24	22.17
20	QPSK	50	24	22.18	22.01	21.98
20	QPSK	50	50	22.21	22.06	22.12
20	QPSK	100	0	22.18	22.12	22.02
20	16QAM	1	0	22.22	22.05	22.02
20	16QAM	1	49	22.21	22.05	22.02
20	16QAM	1	99	22.28	22.12	22.12
20	16QAM	50	0	22.19	22.05	22.02
20	16QAM	50	24	22.17	22.02	22.02
20	16QAM	50	50	22.23	22.48	22.12
20	16QAM	100	0	22.17	22.43	22.01
20	64QAM	1	0	22.60	22.51	22.30
20	64QAM	1	49	22.53	22.33	22.30
20	64QAM	1	99	22.43	22.29	22.26
20	64QAM	50	0	22.39	22.32	22.36
20	64QAM	50	24	22.24	22.39	22.29
20	64QAM	50	50	22.34	22.53	22.35
20	64QAM	100	0	22.32	22.56	22.36



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				40115	40640	41165
Frequency (MHz)				2542.5	2595	2647.5
15	QPSK	1	0	22.68	23.04	22.90
15	QPSK	1	37	22.67	23.08	23.01
15	QPSK	1	74	22.67	23.01	22.81
15	QPSK	36	0	21.84	22.03	22.84
15	QPSK	36	20	22.09	22.03	22.91
15	QPSK	36	39	22.25	22.02	22.86
15	QPSK	75	0	22.03	22.05	22.83
15	16QAM	1	0	21.97	22.42	22.22
15	16QAM	1	37	22.18	21.99	22.23
15	16QAM	1	74	22.14	21.56	21.85
15	16QAM	36	0	22.01	21.96	22.30
15	16QAM	36	20	22.06	21.92	22.32
15	16QAM	36	39	22.13	22.42	22.08
15	16QAM	75	0	22.04	21.90	21.68
15	64QAM	1	0	22.42	22.56	22.70
15	64QAM	1	37	22.70	22.70	21.82
15	64QAM	1	74	22.67	22.49	21.55
15	64QAM	36	0	22.11	22.27	22.19
15	64QAM	36	20	22.26	22.71	22.20
15	64QAM	36	39	22.21	22.68	22.29
15	64QAM	75	0	22.19	22.68	22.21



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				40090	40640	41190
Frequency (MHz)				2540	2595	2650
10	QPSK	1	0	22.72	23.01	22.88
10	QPSK	1	25	22.92	22.88	22.83
10	QPSK	1	49	22.69	23.08	22.84
10	QPSK	25	0	22.00	22.31	22.08
10	QPSK	25	12	22.08	22.20	22.08
10	QPSK	25	25	22.12	22.15	22.44
10	QPSK	50	0	22.17	22.23	21.68
10	16QAM	1	0	22.03	22.09	21.88
10	16QAM	1	25	22.21	22.24	21.92
10	16QAM	1	49	22.07	22.16	22.07
10	16QAM	25	0	22.07	22.30	21.73
10	16QAM	25	12	22.20	22.16	21.49
10	16QAM	25	25	22.17	22.28	22.00
10	16QAM	50	0	22.15	22.22	21.76
10	64QAM	1	0	22.05	22.01	22.41
10	64QAM	1	25	22.08	22.18	22.36
10	64QAM	1	49	22.06	22.05	22.17
10	64QAM	25	0	22.13	22.26	22.33
10	64QAM	25	12	22.16	22.15	22.08
10	64QAM	25	25	22.25	22.24	22.31
10	64QAM	50	0	22.21	22.29	22.37





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				40065	40640	41215
Frequency (MHz)				2537.5	2595	2652.5
5	QPSK	1	0	22.81	23.01	22.79
5	QPSK	1	12	22.80	22.88	22.83
5	QPSK	1	24	22.93	22.98	22.84
5	QPSK	12	0	22.02	22.20	22.00
5	QPSK	12	7	22.10	22.53	22.22
5	QPSK	12	13	22.04	22.27	22.28
5	QPSK	25	0	22.07	22.28	22.21
5	16QAM	1	0	22.31	22.29	22.12
5	16QAM	1	12	21.92	22.46	22.02
5	16QAM	1	24	21.78	22.27	22.28
5	16QAM	12	0	21.96	22.13	22.08
5	16QAM	12	7	22.08	22.23	22.21
5	16QAM	12	13	22.14	22.13	22.00
5	16QAM	25	0	22.49	22.20	22.37
5	64QAM	1	0	22.61	22.73	22.31
5	64QAM	1	12	22.61	22.66	22.27
5	64QAM	1	24	22.46	22.59	22.60
5	64QAM	12	0	22.41	22.19	22.27
5	64QAM	12	7	22.42	22.41	22.35
5	64QAM	12	13	22.40	22.20	22.26
5	64QAM	25	0	22.14	22.26	22.08



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132072	132322	132572
Frequency (MHz)				1720	1745	1770
20	QPSK	1	0	23.11	23.17	23.15
20	QPSK	1	49	22.96	22.95	22.91
20	QPSK	1	99	22.89	22.88	22.91
20	QPSK	50	0	22.23	22.30	22.26
20	QPSK	50	24	22.04	22.06	22.19
20	QPSK	50	50	22.08	22.16	22.04
20	QPSK	100	0	22.06	22.06	21.98
20	16QAM	1	0	22.11	22.35	22.15
20	16QAM	1	49	22.16	22.22	22.33
20	16QAM	1	99	22.16	22.34	22.13
20	16QAM	50	0	22.28	22.25	22.22
20	16QAM	50	24	22.17	22.17	22.18
20	16QAM	50	50	22.14	22.06	22.02
20	16QAM	100	0	22.10	22.13	22.19
20	64QAM	1	0	22.43	22.20	22.53
20	64QAM	1	49	22.20	22.53	22.52
20	64QAM	1	99	22.43	22.55	22.63
20	64QAM	50	0	22.39	22.29	22.42
20	64QAM	50	24	22.33	22.27	22.39
20	64QAM	50	50	22.35	22.23	22.29
20	64QAM	100	0	22.34	22.34	22.32



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132047	132322	132597
Frequency (MHz)				1717.5	1745	1772.5
15	QPSK	1	0	23.09	23.13	23.11
15	QPSK	1	37	23.13	23.09	23.07
15	QPSK	1	74	23.07	23.03	23.01
15	QPSK	36	0	22.17	22.14	22.18
15	QPSK	36	20	22.17	22.09	22.19
15	QPSK	36	39	22.03	22.08	22.05
15	QPSK	75	0	22.12	22.16	22.09
15	16QAM	1	0	22.11	21.98	22.28
15	16QAM	1	37	21.98	22.28	22.21
15	16QAM	1	74	22.08	21.98	21.98
15	16QAM	36	0	22.29	22.29	22.20
15	16QAM	36	20	22.32	22.31	22.37
15	16QAM	36	39	22.24	22.39	22.33
15	16QAM	75	0	22.34	22.32	22.28
15	64QAM	1	0	22.65	22.55	22.65
15	64QAM	1	37	22.67	22.45	22.55
15	64QAM	1	74	22.32	22.58	22.65
15	64QAM	36	0	22.44	22.43	22.56
15	64QAM	36	20	22.54	22.50	22.51
15	64QAM	36	39	22.43	22.37	22.41
15	64QAM	75	0	22.45	22.47	22.44



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132022	132322	132622
Frequency (MHz)				1715	1745	1775
10	QPSK	1	0	23.12	23.12	23.13
10	QPSK	1	25	23.02	23.00	23.08
10	QPSK	1	49	23.16	23.04	22.94
10	QPSK	25	0	22.48	22.41	22.48
10	QPSK	25	12	22.45	22.64	22.42
10	QPSK	25	25	22.41	22.37	22.29
10	QPSK	50	0	22.49	22.34	22.53
10	16QAM	1	0	22.41	22.41	22.61
10	16QAM	1	25	22.41	22.50	22.62
10	16QAM	1	49	22.24	22.44	22.32
10	16QAM	25	0	22.25	22.42	22.30
10	16QAM	25	12	22.24	22.44	22.35
10	16QAM	25	25	22.15	22.20	22.20
10	16QAM	50	0	22.31	22.35	22.36
10	64QAM	1	0	22.48	22.48	22.15
10	64QAM	1	25	22.15	22.28	22.18
10	64QAM	1	49	22.15	22.15	22.15
10	64QAM	25	0	22.48	22.46	22.48
10	64QAM	25	12	22.47	22.51	22.55
10	64QAM	25	25	22.47	22.40	22.42
10	64QAM	50	0	22.37	22.47	22.48



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				131997	132322	132647
Frequency (MHz)				1712.5	1745	1777.5
5	QPSK	1	0	23.01	23.04	23.09
5	QPSK	1	12	23.04	23.04	23.03
5	QPSK	1	24	23.12	23.02	23.08
5	QPSK	12	0	22.17	22.19	22.15
5	QPSK	12	7	22.19	22.27	22.20
5	QPSK	12	13	22.05	22.11	22.12
5	QPSK	25	0	22.15	22.16	22.15
5	16QAM	1	0	22.64	22.33	22.34
5	16QAM	1	12	22.27	22.56	22.51
5	16QAM	1	24	22.39	22.28	22.63
5	16QAM	12	0	22.28	22.39	22.35
5	16QAM	12	7	22.45	22.37	22.49
5	16QAM	12	13	22.36	22.30	22.37
5	16QAM	25	0	22.37	22.39	22.31
5	64QAM	1	0	22.15	22.55	22.35
5	64QAM	1	12	22.45	22.45	22.45
5	64QAM	1	24	22.28	22.32	22.28
5	64QAM	12	0	22.52	22.27	22.48
5	64QAM	12	7	22.60	22.19	22.50
5	64QAM	12	13	22.43	22.55	22.50
5	64QAM	25	0	22.50	22.58	22.45



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				131987	132322	132657
Frequency (MHz)				1711.5	1745	1778.5
3	QPSK	1	0	23.08	22.99	22.98
3	QPSK	1	8	22.95	22.96	23.04
3	QPSK	1	14	22.86	22.67	22.97
3	QPSK	8	0	22.43	22.40	22.44
3	QPSK	8	4	22.38	22.30	22.40
3	QPSK	8	7	22.24	22.29	22.26
3	QPSK	15	0	22.33	22.37	22.30
3	16QAM	1	0	22.02	22.43	22.19
3	16QAM	1	8	22.35	22.29	22.28
3	16QAM	1	14	22.39	22.28	21.98
3	16QAM	8	0	22.20	22.20	22.11
3	16QAM	8	4	22.23	22.22	22.28
3	16QAM	8	7	22.15	22.30	22.24
3	16QAM	15	0	22.25	22.23	22.19
3	64QAM	1	0	22.56	22.46	22.56
3	64QAM	1	8	22.58	22.36	22.46
3	64QAM	1	14	22.23	22.49	22.56
3	64QAM	8	0	22.35	22.34	22.47
3	64QAM	8	4	22.45	22.41	22.42
3	64QAM	8	7	22.34	22.28	22.32
3	64QAM	15	0	22.36	22.38	22.35



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				131979	132322	132665
Frequency (MHz)				1710.7	1745	1779.3
1.4	QPSK	1	0	23.02	22.93	22.94
1.4	QPSK	1	3	23.08	23.10	23.10
1.4	QPSK	1	5	23.00	22.88	23.04
1.4	QPSK	3	0	22.99	22.92	22.99
1.4	QPSK	3	1	22.96	23.02	22.93
1.4	QPSK	3	3	22.97	22.93	22.85
1.4	QPSK	6	0	22.46	22.31	22.50
1.4	16QAM	1	0	22.33	22.33	22.53
1.4	16QAM	1	3	22.33	22.42	22.54
1.4	16QAM	1	5	22.16	22.36	22.24
1.4	16QAM	3	0	22.11	22.08	22.34
1.4	16QAM	3	1	22.20	22.10	22.22
1.4	16QAM	3	3	22.21	22.22	22.16
1.4	16QAM	6	0	22.10	22.01	22.02
1.4	64QAM	1	0	22.61	22.46	22.62
1.4	64QAM	1	3	22.34	22.43	22.43
1.4	64QAM	1	5	22.31	22.31	22.42
1.4	64QAM	3	0	22.40	22.38	22.40
1.4	64QAM	3	1	22.39	22.43	22.47
1.4	64QAM	3	3	22.39	22.32	22.34
1.4	64QAM	6	0	22.29	22.39	22.40



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

LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18700		18900		19100	
Frequency (MHz)				1860		1880		1900	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	21.02	0.126	21.05	0.127	20.99	0.126
20	QPSK	1	49	21.00	0.126	20.94	0.124	20.87	0.122
20	QPSK	1	99	20.94	0.124	20.90	0.123	20.88	0.122
20	QPSK	50	0	19.98	0.100	20.07	0.102	20.00	0.100
20	QPSK	50	24	19.99	0.100	20.04	0.101	20.04	0.101
20	QPSK	50	50	20.04	0.101	20.00	0.100	20.06	0.101
20	QPSK	100	0	19.97	0.099	20.06	0.101	20.02	0.100
20	16QAM	1	0	19.71	0.094	19.71	0.094	19.73	0.094
20	16QAM	1	49	19.55	0.090	19.85	0.097	19.81	0.096
20	16QAM	1	99	19.80	0.095	19.65	0.092	20.05	0.101
20	16QAM	50	0	19.73	0.094	19.70	0.093	19.68	0.093
20	16QAM	50	24	19.69	0.093	19.74	0.094	19.75	0.094
20	16QAM	50	50	19.77	0.095	19.74	0.094	19.81	0.096
20	16QAM	100	0	19.80	0.095	19.81	0.096	19.68	0.093
20	64QAM	1	0	19.87	0.097	20.06	0.101	19.80	0.095
20	64QAM	1	49	19.82	0.096	20.00	0.100	19.91	0.098
20	64QAM	1	99	19.77	0.095	20.10	0.102	20.10	0.102
20	64QAM	50	0	19.87	0.097	19.79	0.095	19.84	0.096
20	64QAM	50	24	19.90	0.098	19.84	0.096	19.89	0.097
20	64QAM	50	50	19.89	0.097	19.90	0.098	19.84	0.096
20	64QAM	100	0	19.77	0.095	19.74	0.094	19.75	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				18675		18900		19125	
Frequency (MHz)				1857.5		1880		1902.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	20.83	0.121	20.86	0.122	20.77	0.119
15	QPSK	1	37	20.62	0.115	20.98	0.125	20.86	0.122
15	QPSK	1	74	20.99	0.126	20.91	0.123	20.99	0.126
15	QPSK	36	0	19.96	0.099	20.05	0.101	20.04	0.101
15	QPSK	36	20	19.63	0.092	19.82	0.096	19.79	0.095
15	QPSK	36	39	19.75	0.094	19.76	0.095	19.73	0.094
15	QPSK	75	0	19.67	0.093	19.73	0.094	19.69	0.093
15	16QAM	1	0	19.76	0.095	19.84	0.096	19.78	0.095
15	16QAM	1	37	19.89	0.097	19.92	0.098	19.78	0.095
15	16QAM	1	74	19.84	0.096	19.96	0.099	19.96	0.099
15	16QAM	36	0	19.63	0.092	19.68	0.093	19.71	0.094
15	16QAM	36	20	19.72	0.094	19.65	0.092	19.78	0.095
15	16QAM	36	39	19.77	0.095	19.86	0.097	19.83	0.096
15	16QAM	75	0	19.64	0.092	19.66	0.092	19.75	0.094
15	64QAM	1	0	19.84	0.096	19.60	0.091	19.66	0.092
15	64QAM	1	37	19.83	0.096	19.64	0.092	20.06	0.101
15	64QAM	1	74	19.72	0.094	19.76	0.095	19.91	0.098
15	64QAM	36	0	19.57	0.091	19.74	0.094	19.62	0.092
15	64QAM	36	20	19.77	0.095	19.79	0.095	19.69	0.093
15	64QAM	36	39	19.65	0.092	19.70	0.093	19.79	0.095
15	64QAM	75	0	19.64	0.092	19.71	0.094	19.70	0.093



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	20.87	0.122	20.86	0.122	20.96	0.125
10	QPSK	1	25	20.91	0.123	20.94	0.124	20.89	0.123
10	QPSK	1	49	20.87	0.122	20.88	0.122	20.87	0.122
10	QPSK	25	0	20.14	0.103	20.15	0.104	20.11	0.103
10	QPSK	25	12	20.10	0.102	20.22	0.105	20.15	0.104
10	QPSK	25	25	20.01	0.100	20.14	0.103	20.10	0.102
10	QPSK	50	0	19.75	0.094	19.84	0.096	19.82	0.096
10	16QAM	1	0	20.23	0.105	20.16	0.104	20.15	0.104
10	16QAM	1	25	19.92	0.098	19.88	0.097	19.95	0.099
10	16QAM	1	49	19.87	0.097	19.95	0.099	19.74	0.094
10	16QAM	25	0	19.77	0.095	19.76	0.095	19.73	0.094
10	16QAM	25	12	19.93	0.098	19.73	0.094	19.73	0.094
10	16QAM	25	25	19.73	0.094	19.93	0.098	20.03	0.101
10	16QAM	50	0	19.62	0.092	19.55	0.090	19.59	0.091
10	64QAM	1	0	19.81	0.096	19.86	0.097	19.86	0.097
10	64QAM	1	25	19.84	0.096	19.89	0.097	19.93	0.098
10	64QAM	1	49	19.51	0.089	19.64	0.092	19.61	0.091
10	64QAM	25	0	19.81	0.096	19.85	0.097	19.86	0.097
10	64QAM	25	12	19.84	0.096	19.82	0.096	19.83	0.096
10	64QAM	25	25	19.77	0.095	19.55	0.090	19.77	0.095
10	64QAM	50	0	19.78	0.095	19.78	0.095	19.75	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	20.87	0.122	20.92	0.124	20.86	0.122
5	QPSK	1	12	20.86	0.122	20.81	0.121	20.84	0.121
5	QPSK	1	24	20.82	0.121	20.90	0.123	20.91	0.123
5	QPSK	12	0	19.99	0.100	19.90	0.098	19.97	0.099
5	QPSK	12	7	20.00	0.100	20.05	0.101	19.97	0.099
5	QPSK	12	13	19.67	0.093	19.66	0.092	19.69	0.093
5	QPSK	25	0	19.66	0.092	19.64	0.092	19.66	0.092
5	16QAM	1	0	19.79	0.095	19.69	0.093	20.07	0.102
5	16QAM	1	12	19.77	0.095	19.70	0.093	20.07	0.102
5	16QAM	1	24	19.80	0.095	19.67	0.093	20.06	0.101
5	16QAM	12	0	19.89	0.097	20.03	0.101	19.89	0.097
5	16QAM	12	7	19.79	0.095	19.79	0.095	19.59	0.091
5	16QAM	12	13	19.59	0.091	19.92	0.098	19.69	0.093
5	16QAM	25	0	19.69	0.093	20.15	0.104	20.13	0.103
5	64QAM	1	0	19.89	0.097	19.61	0.091	19.66	0.092
5	64QAM	1	12	20.05	0.101	19.71	0.094	19.82	0.096
5	64QAM	1	24	20.06	0.101	19.70	0.093	19.72	0.094
5	64QAM	12	0	19.71	0.094	19.64	0.092	19.63	0.092
5	64QAM	12	7	19.77	0.095	19.61	0.091	19.61	0.091
5	64QAM	12	13	19.74	0.094	19.70	0.093	19.68	0.093
5	64QAM	25	0	19.81	0.096	19.61	0.091	19.68	0.093



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	20.81	0.121	20.88	0.122	20.80	0.120
3	QPSK	1	8	20.91	0.123	20.94	0.124	20.77	0.119
3	QPSK	1	14	20.92	0.124	20.79	0.120	20.79	0.120
3	QPSK	8	0	19.87	0.097	19.82	0.096	19.84	0.096
3	QPSK	8	4	19.93	0.098	19.87	0.097	19.88	0.097
3	QPSK	8	7	19.93	0.098	19.87	0.097	19.83	0.096
3	QPSK	15	0	19.53	0.090	19.61	0.091	19.54	0.090
3	16QAM	1	0	19.69	0.093	19.60	0.091	19.54	0.090
3	16QAM	1	8	19.73	0.094	19.67	0.093	19.63	0.092
3	16QAM	1	14	19.66	0.092	19.63	0.092	19.51	0.089
3	16QAM	8	0	19.77	0.095	19.90	0.098	19.82	0.096
3	16QAM	8	4	19.84	0.096	19.81	0.096	19.87	0.097
3	16QAM	8	7	19.74	0.094	19.79	0.095	19.82	0.096
3	16QAM	15	0	19.77	0.095	19.81	0.096	19.76	0.095
3	64QAM	1	0	19.62	0.092	19.55	0.090	19.58	0.091
3	64QAM	1	8	20.04	0.101	20.03	0.101	19.63	0.092
3	64QAM	1	14	19.65	0.092	20.01	0.100	19.65	0.092
3	64QAM	8	0	19.57	0.091	19.59	0.091	19.43	0.088
3	64QAM	8	4	19.67	0.093	19.57	0.091	19.57	0.091
3	64QAM	8	7	19.77	0.095	19.66	0.092	19.52	0.090
3	64QAM	15	0	19.62	0.092	19.62	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				18607		18900		19193	
Frequency (MHz)				1850.7		1880		1909.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	20.87	0.122	20.90	0.123	20.85	0.122
1.4	QPSK	1	3	20.77	0.119	20.75	0.119	20.74	0.119
1.4	QPSK	1	5	20.74	0.119	20.72	0.118	20.70	0.117
1.4	QPSK	3	0	20.74	0.119	20.74	0.119	20.70	0.117
1.4	QPSK	3	1	20.78	0.120	20.75	0.119	20.73	0.118
1.4	QPSK	3	3	20.80	0.120	20.84	0.121	20.73	0.118
1.4	QPSK	6	0	19.83	0.096	19.81	0.096	19.80	0.095
1.4	16QAM	1	0	19.86	0.097	19.86	0.097	19.80	0.095
1.4	16QAM	1	3	19.82	0.096	20.02	0.100	20.00	0.100
1.4	16QAM	1	5	19.70	0.093	19.90	0.098	19.58	0.091
1.4	16QAM	3	0	19.72	0.094	19.77	0.095	19.74	0.094
1.4	16QAM	3	1	19.90	0.098	19.72	0.094	19.77	0.095
1.4	16QAM	3	3	19.92	0.098	19.89	0.097	19.63	0.092
1.4	16QAM	6	0	19.93	0.098	19.86	0.097	19.81	0.096
1.4	64QAM	1	0	19.81	0.096	19.73	0.094	19.76	0.095
1.4	64QAM	1	3	19.83	0.096	20.04	0.101	19.92	0.098
1.4	64QAM	1	5	19.81	0.096	20.16	0.104	19.75	0.094
1.4	64QAM	3	0	19.84	0.096	19.90	0.098	19.91	0.098
1.4	64QAM	3	1	19.93	0.098	19.90	0.098	20.11	0.103
1.4	64QAM	3	3	19.85	0.097	19.99	0.100	19.76	0.095
1.4	64QAM	6	0	19.90	0.098	19.93	0.098	19.82	0.096



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	21.06	0.128	21.14	0.130	21.13	0.130
20	QPSK	1	49	20.92	0.124	21.00	0.126	20.99	0.126
20	QPSK	1	99	20.84	0.121	20.97	0.125	21.09	0.129
20	QPSK	50	0	20.03	0.101	20.07	0.102	20.04	0.101
20	QPSK	50	24	19.94	0.099	20.02	0.100	20.02	0.100
20	QPSK	50	50	19.83	0.096	19.94	0.099	19.95	0.099
20	QPSK	100	0	19.93	0.098	19.97	0.099	20.04	0.101
20	16QAM	1	0	19.80	0.095	20.10	0.102	19.97	0.099
20	16QAM	1	49	19.95	0.099	19.72	0.094	19.86	0.097
20	16QAM	1	99	19.74	0.094	19.96	0.099	19.80	0.095
20	16QAM	50	0	19.93	0.098	19.86	0.097	20.00	0.100
20	16QAM	50	24	20.19	0.104	20.30	0.107	20.19	0.104
20	16QAM	50	50	20.15	0.104	20.16	0.104	20.16	0.104
20	16QAM	100	0	20.17	0.104	20.25	0.106	20.26	0.106
20	64QAM	1	0	19.91	0.098	20.02	0.100	20.24	0.106
20	64QAM	1	49	19.95	0.099	19.88	0.097	19.76	0.095
20	64QAM	1	99	20.22	0.105	19.79	0.095	20.26	0.106
20	64QAM	50	0	19.92	0.098	20.01	0.100	19.96	0.099
20	64QAM	50	24	19.94	0.099	20.05	0.101	19.99	0.100
20	64QAM	50	50	19.98	0.100	19.93	0.098	19.95	0.099
20	64QAM	100	0	20.01	0.100	19.99	0.100	20.08	0.102



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	20.93	0.124	20.97	0.125	21.07	0.128
15	QPSK	1	37	20.97	0.125	21.06	0.128	20.98	0.125
15	QPSK	1	74	20.84	0.121	21.06	0.128	21.09	0.129
15	QPSK	36	0	19.88	0.097	19.95	0.099	19.98	0.100
15	QPSK	36	20	19.92	0.098	20.05	0.101	20.01	0.100
15	QPSK	36	39	19.97	0.099	19.96	0.099	20.05	0.101
15	QPSK	75	0	19.92	0.098	19.94	0.099	19.95	0.099
15	16QAM	1	0	19.86	0.097	20.08	0.102	19.80	0.095
15	16QAM	1	37	19.94	0.099	19.94	0.099	19.78	0.095
15	16QAM	1	74	19.80	0.095	20.10	0.102	19.89	0.097
15	16QAM	36	0	19.81	0.096	19.83	0.096	20.02	0.100
15	16QAM	36	20	19.76	0.095	19.83	0.096	19.89	0.097
15	16QAM	36	39	19.72	0.094	19.81	0.096	19.87	0.097
15	16QAM	75	0	19.83	0.096	19.84	0.096	19.93	0.098
15	64QAM	1	0	19.78	0.095	20.09	0.102	20.14	0.103
15	64QAM	1	37	20.20	0.105	19.96	0.099	20.02	0.100
15	64QAM	1	74	20.24	0.106	19.95	0.099	19.99	0.100
15	64QAM	36	0	19.89	0.097	19.96	0.099	20.00	0.100
15	64QAM	36	20	19.95	0.099	19.97	0.099	19.99	0.100
15	64QAM	36	39	19.98	0.100	19.94	0.099	19.96	0.099
15	64QAM	75	0	19.91	0.098	20.02	0.100	19.95	0.099



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	21.05	0.127	21.04	0.127	20.87	0.122
10	QPSK	1	25	21.03	0.127	20.96	0.125	20.97	0.125
10	QPSK	1	49	20.91	0.123	20.74	0.119	20.97	0.125
10	QPSK	25	0	19.90	0.098	20.12	0.103	20.14	0.103
10	QPSK	25	12	20.02	0.100	20.08	0.102	20.12	0.103
10	QPSK	25	25	19.91	0.098	20.02	0.100	20.09	0.102
10	QPSK	50	0	19.97	0.099	20.07	0.102	19.99	0.100
10	16QAM	1	0	19.77	0.095	19.92	0.098	19.68	0.093
10	16QAM	1	25	20.04	0.101	19.78	0.095	20.10	0.102
10	16QAM	1	49	20.11	0.103	20.01	0.100	20.00	0.100
10	16QAM	25	0	19.77	0.095	19.76	0.095	19.75	0.094
10	16QAM	25	12	19.69	0.093	19.79	0.095	19.76	0.095
10	16QAM	25	25	20.03	0.101	19.94	0.099	20.03	0.101
10	16QAM	50	0	19.97	0.099	20.01	0.100	20.13	0.103
10	64QAM	1	0	19.83	0.096	19.91	0.098	19.81	0.096
10	64QAM	1	25	19.90	0.098	20.19	0.104	20.28	0.107
10	64QAM	1	49	19.88	0.097	19.92	0.098	19.87	0.097
10	64QAM	25	0	19.72	0.094	19.86	0.097	19.85	0.097
10	64QAM	25	12	19.81	0.096	19.92	0.098	19.96	0.099
10	64QAM	25	25	19.69	0.093	19.81	0.096	19.83	0.096
10	64QAM	50	0	19.75	0.094	19.82	0.096	19.81	0.096





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	21.02	0.126	20.97	0.125	21.02	0.126
5	QPSK	1	12	21.01	0.126	20.96	0.125	20.93	0.124
5	QPSK	1	24	20.76	0.119	20.88	0.122	20.87	0.122
5	QPSK	12	0	19.98	0.100	19.98	0.100	20.02	0.100
5	QPSK	12	7	19.98	0.100	20.09	0.102	20.06	0.101
5	QPSK	12	13	19.93	0.098	20.10	0.102	20.02	0.100
5	QPSK	25	0	19.96	0.099	20.00	0.100	20.06	0.101
5	16QAM	1	0	19.67	0.093	20.08	0.102	19.76	0.095
5	16QAM	1	12	19.78	0.095	20.13	0.103	19.72	0.094
5	16QAM	1	24	19.72	0.094	20.07	0.102	19.67	0.093
5	16QAM	12	0	19.71	0.094	19.65	0.092	19.68	0.093
5	16QAM	12	7	19.74	0.094	19.78	0.095	19.76	0.095
5	16QAM	12	13	20.01	0.100	20.08	0.102	20.12	0.103
5	16QAM	25	0	20.02	0.100	20.13	0.103	20.06	0.101
5	64QAM	1	0	19.79	0.095	20.23	0.105	20.21	0.105
5	64QAM	1	12	20.17	0.104	19.93	0.098	20.20	0.105
5	64QAM	1	24	20.13	0.103	19.83	0.096	19.90	0.098
5	64QAM	12	0	19.80	0.095	19.87	0.097	19.89	0.097
5	64QAM	12	7	19.79	0.095	19.88	0.097	19.94	0.099
5	64QAM	12	13	19.80	0.095	19.86	0.097	19.85	0.097
5	64QAM	25	0	19.75	0.094	19.89	0.097	19.80	0.095



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	20.87	0.122	20.88	0.122	21.00	0.126
3	QPSK	1	8	20.96	0.125	21.10	0.129	21.04	0.127
3	QPSK	1	14	20.76	0.119	20.95	0.124	20.95	0.124
3	QPSK	8	0	19.96	0.099	20.02	0.100	20.03	0.101
3	QPSK	8	4	20.02	0.100	20.10	0.102	20.12	0.103
3	QPSK	8	7	19.98	0.100	20.08	0.102	20.08	0.102
3	QPSK	15	0	19.79	0.095	19.85	0.097	19.79	0.095
3	16QAM	1	0	19.87	0.097	19.96	0.099	20.00	0.100
3	16QAM	1	8	20.09	0.102	20.09	0.102	19.83	0.096
3	16QAM	1	14	20.00	0.100	19.78	0.095	19.86	0.097
3	16QAM	8	0	19.79	0.095	19.80	0.095	19.89	0.097
3	16QAM	8	4	19.89	0.097	19.89	0.097	19.90	0.098
3	16QAM	8	7	20.11	0.103	20.19	0.104	20.23	0.105
3	16QAM	15	0	20.11	0.103	20.09	0.102	20.16	0.104
3	64QAM	1	0	19.78	0.095	19.87	0.097	19.85	0.097
3	64QAM	1	8	19.97	0.099	19.85	0.097	20.01	0.100
3	64QAM	1	14	19.78	0.095	19.85	0.097	19.68	0.093
3	64QAM	8	0	19.76	0.095	19.80	0.095	19.74	0.094
3	64QAM	8	4	19.88	0.097	19.86	0.097	19.90	0.098
3	64QAM	8	7	19.82	0.096	19.89	0.097	20.01	0.100
3	64QAM	15	0	19.97	0.099	20.05	0.101	19.96	0.099



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	21.02	0.126	21.07	0.128	21.05	0.127
1.4	QPSK	1	3	20.96	0.125	20.96	0.125	21.00	0.126
1.4	QPSK	1	5	20.82	0.121	20.91	0.123	20.93	0.124
1.4	QPSK	3	0	20.90	0.123	20.87	0.122	20.86	0.122
1.4	QPSK	3	1	20.86	0.122	20.96	0.125	21.01	0.126
1.4	QPSK	3	3	20.85	0.122	20.92	0.124	20.91	0.123
1.4	QPSK	6	0	20.01	0.100	20.03	0.101	19.99	0.100
1.4	16QAM	1	0	19.76	0.095	20.23	0.105	19.89	0.097
1.4	16QAM	1	3	19.89	0.097	19.97	0.099	20.01	0.100
1.4	16QAM	1	5	19.95	0.099	20.11	0.103	19.91	0.098
1.4	16QAM	3	0	19.98	0.100	20.02	0.100	19.93	0.098
1.4	16QAM	3	1	19.99	0.100	20.02	0.100	20.04	0.101
1.4	16QAM	3	3	19.98	0.100	20.10	0.102	19.99	0.100
1.4	16QAM	6	0	19.89	0.097	19.90	0.098	19.81	0.096
1.4	64QAM	1	0	19.67	0.093	19.61	0.091	19.75	0.094
1.4	64QAM	1	3	19.93	0.098	19.91	0.098	20.03	0.101
1.4	64QAM	1	5	19.84	0.096	19.80	0.095	19.64	0.092
1.4	64QAM	3	0	19.75	0.094	19.73	0.094	19.92	0.098
1.4	64QAM	3	1	19.66	0.092	19.81	0.096	19.78	0.095
1.4	64QAM	3	3	19.72	0.094	19.89	0.097	19.77	0.095
1.4	64QAM	6	0	19.71	0.094	19.72	0.094	19.79	0.095



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	16.44	0.044	16.45	0.044	16.37	0.043
10	QPSK	1	25	16.30	0.043	16.33	0.043	16.13	0.041
10	QPSK	1	49	16.22	0.042	16.34	0.043	16.02	0.040
10	QPSK	25	0	15.41	0.035	15.43	0.035	15.24	0.033
10	QPSK	25	12	15.17	0.033	15.19	0.033	15.24	0.033
10	QPSK	25	25	15.17	0.033	15.28	0.034	15.33	0.034
10	QPSK	50	0	15.23	0.033	15.11	0.032	15.25	0.033
10	16QAM	1	0	15.27	0.034	15.46	0.035	15.17	0.033
10	16QAM	1	25	15.50	0.035	15.53	0.036	15.21	0.033
10	16QAM	1	49	15.33	0.034	15.39	0.035	15.46	0.035
10	16QAM	25	0	15.42	0.035	15.43	0.035	15.25	0.033
10	16QAM	25	12	15.36	0.034	15.44	0.035	15.22	0.033
10	16QAM	25	25	15.39	0.035	15.32	0.034	15.35	0.034
10	16QAM	50	0	15.40	0.035	15.31	0.034	15.21	0.033
10	64QAM	1	0	15.36	0.034	15.46	0.035	15.34	0.034
10	64QAM	1	25	15.33	0.034	15.53	0.036	15.33	0.034
10	64QAM	1	49	15.22	0.033	15.44	0.035	15.35	0.034
10	64QAM	25	0	15.33	0.034	15.44	0.035	15.11	0.032
10	64QAM	25	12	15.32	0.034	15.49	0.035	15.20	0.033
10	64QAM	25	25	15.44	0.035	15.33	0.034	15.03	0.032
10	64QAM	50	0	15.40	0.035	15.36	0.034	15.22	0.033



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	16.39	0.044	16.35	0.043	16.33	0.043
5	QPSK	1	12	16.29	0.043	16.40	0.044	16.24	0.042
5	QPSK	1	24	16.29	0.043	16.24	0.042	16.24	0.042
5	QPSK	12	0	15.32	0.034	15.37	0.034	15.23	0.033
5	QPSK	12	7	15.39	0.035	15.40	0.035	15.32	0.034
5	QPSK	12	13	15.44	0.035	15.28	0.034	15.23	0.033
5	QPSK	25	0	15.35	0.034	15.31	0.034	15.23	0.033
5	16QAM	1	0	15.64	0.037	15.57	0.036	15.33	0.034
5	16QAM	1	12	15.34	0.034	15.56	0.036	15.32	0.034
5	16QAM	1	24	15.21	0.033	15.56	0.036	15.39	0.035
5	16QAM	12	0	15.30	0.034	15.39	0.035	15.38	0.035
5	16QAM	12	7	15.37	0.034	15.40	0.035	15.22	0.033
5	16QAM	12	13	15.37	0.034	15.28	0.034	15.33	0.034
5	16QAM	25	0	15.38	0.035	15.43	0.035	15.38	0.035
5	64QAM	1	0	15.45	0.035	15.33	0.034	15.44	0.035
5	64QAM	1	12	15.33	0.034	15.27	0.034	15.41	0.035
5	64QAM	1	24	15.47	0.035	15.31	0.034	15.25	0.033
5	64QAM	12	0	15.19	0.033	15.33	0.034	15.13	0.033
5	64QAM	12	7	15.23	0.033	15.39	0.035	15.17	0.033
5	64QAM	12	13	15.41	0.035	15.36	0.034	14.93	0.031
5	64QAM	25	0	15.29	0.034	15.36	0.034	14.97	0.031



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	16.38	0.043	16.39	0.044	16.24	0.042
3	QPSK	1	8	16.34	0.043	16.35	0.043	16.26	0.042
3	QPSK	1	14	16.35	0.043	16.33	0.043	16.07	0.040
3	QPSK	8	0	15.25	0.033	15.38	0.035	15.36	0.034
3	QPSK	8	4	15.39	0.035	15.45	0.035	15.42	0.035
3	QPSK	8	7	15.34	0.034	15.36	0.034	15.23	0.033
3	QPSK	15	0	15.32	0.034	15.38	0.035	15.37	0.034
3	16QAM	1	0	15.34	0.034	15.45	0.035	15.52	0.036
3	16QAM	1	8	15.27	0.034	15.53	0.036	15.37	0.034
3	16QAM	1	14	15.32	0.034	15.58	0.036	15.33	0.034
3	16QAM	8	0	15.28	0.034	15.37	0.034	15.11	0.032
3	16QAM	8	4	15.44	0.035	15.55	0.036	15.12	0.033
3	16QAM	8	7	15.36	0.034	15.42	0.035	15.16	0.033
3	16QAM	15	0	15.30	0.034	15.32	0.034	14.87	0.031
3	64QAM	1	0	15.25	0.033	15.13	0.033	15.34	0.034
3	64QAM	1	8	15.13	0.033	15.37	0.034	15.13	0.033
3	64QAM	1	14	15.15	0.033	15.33	0.034	15.14	0.033
3	64QAM	8	0	15.25	0.033	15.35	0.034	15.33	0.034
3	64QAM	8	4	15.47	0.035	15.31	0.034	15.25	0.033
3	64QAM	8	7	15.42	0.035	15.34	0.034	15.31	0.034
3	64QAM	15	0	15.31	0.034	15.41	0.035	15.21	0.033



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	16.39	0.044	16.36	0.043	16.40	0.044
1.4	QPSK	1	3	16.42	0.044	16.35	0.043	16.42	0.044
1.4	QPSK	1	5	16.31	0.043	16.25	0.042	16.26	0.042
1.4	QPSK	3	0	16.32	0.043	16.38	0.043	16.34	0.043
1.4	QPSK	3	1	16.38	0.043	16.25	0.042	16.35	0.043
1.4	QPSK	3	3	16.39	0.044	16.31	0.043	16.31	0.043
1.4	QPSK	6	0	15.30	0.034	15.29	0.034	15.28	0.034
1.4	16QAM	1	0	15.43	0.035	15.24	0.033	15.41	0.035
1.4	16QAM	1	3	15.23	0.033	15.47	0.035	15.36	0.034
1.4	16QAM	1	5	15.62	0.036	15.30	0.034	15.36	0.034
1.4	16QAM	3	0	15.15	0.033	15.13	0.033	15.27	0.034
1.4	16QAM	3	1	15.18	0.033	15.45	0.035	15.31	0.034
1.4	16QAM	3	3	15.26	0.034	15.37	0.034	15.25	0.033
1.4	16QAM	6	0	15.45	0.035	15.32	0.034	15.36	0.034
1.4	64QAM	1	0	14.98	0.031	15.15	0.033	15.17	0.033
1.4	64QAM	1	3	15.29	0.034	15.30	0.034	15.25	0.033
1.4	64QAM	1	5	15.24	0.033	15.23	0.033	15.11	0.032
1.4	64QAM	3	0	14.90	0.031	15.17	0.033	15.18	0.033
1.4	64QAM	3	1	15.18	0.033	15.12	0.033	15.13	0.033
1.4	64QAM	3	3	15.08	0.032	15.25	0.033	15.29	0.034
1.4	64QAM	6	0	15.29	0.034	15.41	0.035	15.30	0.034



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20850		21100		21350	
Frequency (MHz)				2510		2535		2560	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	20.00	0.100	20.01	0.100	19.93	0.098
20	QPSK	1	49	19.95	0.099	19.99	0.100	19.88	0.097
20	QPSK	1	99	19.90	0.098	19.85	0.097	19.90	0.098
20	QPSK	50	0	18.99	0.079	19.06	0.081	19.03	0.080
20	QPSK	50	24	18.75	0.075	18.72	0.074	18.62	0.073
20	QPSK	50	50	18.85	0.077	18.88	0.077	18.85	0.077
20	QPSK	100	0	18.80	0.076	18.82	0.076	18.79	0.076
20	16QAM	1	0	18.76	0.075	18.86	0.077	19.04	0.080
20	16QAM	1	49	18.91	0.078	18.77	0.075	19.05	0.080
20	16QAM	1	99	18.85	0.077	19.16	0.082	18.81	0.076
20	16QAM	50	0	18.70	0.074	18.80	0.076	18.73	0.075
20	16QAM	50	24	18.75	0.075	18.67	0.074	18.78	0.076
20	16QAM	50	50	18.83	0.076	18.88	0.077	18.71	0.074
20	16QAM	100	0	18.71	0.074	18.83	0.076	18.81	0.076
20	64QAM	1	0	18.59	0.072	18.75	0.075	18.77	0.075
20	64QAM	1	49	18.87	0.077	18.84	0.077	18.89	0.077
20	64QAM	1	99	18.85	0.077	18.90	0.078	18.81	0.076
20	64QAM	50	0	18.79	0.076	18.80	0.076	18.85	0.077
20	64QAM	50	24	18.84	0.077	18.85	0.077	18.85	0.077
20	64QAM	50	50	18.88	0.077	18.95	0.079	18.80	0.076
20	64QAM	100	0	18.81	0.076	18.78	0.076	18.90	0.078





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	19.83	0.096	19.92	0.098	19.92	0.098
15	QPSK	1	37	19.93	0.098	19.90	0.098	19.94	0.099
15	QPSK	1	74	19.87	0.097	19.94	0.099	19.94	0.099
15	QPSK	36	0	18.58	0.072	18.67	0.074	18.69	0.074
15	QPSK	36	20	18.66	0.073	18.73	0.075	18.68	0.074
15	QPSK	36	39	18.69	0.074	18.72	0.074	18.76	0.075
15	QPSK	75	0	18.75	0.075	18.68	0.074	18.70	0.074
15	16QAM	1	0	19.11	0.081	19.22	0.084	19.29	0.085
15	16QAM	1	37	18.93	0.078	19.04	0.080	19.02	0.080
15	16QAM	1	74	19.12	0.082	19.12	0.082	19.34	0.086
15	16QAM	36	0	18.71	0.074	18.82	0.076	18.84	0.077
15	16QAM	36	20	18.78	0.076	18.81	0.076	18.80	0.076
15	16QAM	36	39	18.84	0.077	18.82	0.076	18.71	0.074
15	16QAM	75	0	18.79	0.076	18.87	0.077	18.79	0.076
15	64QAM	1	0	18.69	0.074	18.66	0.073	18.54	0.071
15	64QAM	1	37	18.59	0.072	18.74	0.075	18.83	0.076
15	64QAM	1	74	18.58	0.072	18.70	0.074	18.76	0.075
15	64QAM	36	0	18.77	0.075	18.85	0.077	18.84	0.077
15	64QAM	36	20	18.88	0.077	18.87	0.077	18.94	0.078
15	64QAM	36	39	18.92	0.078	18.83	0.076	18.85	0.077
15	64QAM	75	0	18.77	0.075	18.87	0.077	18.82	0.076



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	19.82	0.096	19.69	0.093	19.72	0.094
10	QPSK	1	25	19.85	0.097	19.75	0.094	19.77	0.095
10	QPSK	1	49	19.78	0.095	19.75	0.094	19.77	0.095
10	QPSK	25	0	18.65	0.073	18.65	0.073	18.64	0.073
10	QPSK	25	12	18.61	0.073	18.73	0.075	18.78	0.076
10	QPSK	25	25	18.54	0.071	18.72	0.074	18.72	0.074
10	QPSK	50	0	18.63	0.073	18.75	0.075	18.74	0.075
10	16QAM	1	0	18.88	0.077	19.06	0.081	18.91	0.078
10	16QAM	1	25	18.87	0.077	18.89	0.077	18.94	0.078
10	16QAM	1	49	19.34	0.086	19.24	0.084	19.15	0.082
10	16QAM	25	0	18.77	0.075	18.65	0.073	18.73	0.075
10	16QAM	25	12	18.59	0.072	18.76	0.075	18.69	0.074
10	16QAM	25	25	18.64	0.073	18.67	0.074	18.59	0.072
10	16QAM	50	0	18.67	0.074	18.76	0.075	18.61	0.073
10	64QAM	1	0	18.69	0.074	18.65	0.073	18.63	0.073
10	64QAM	1	25	18.72	0.074	18.97	0.079	18.80	0.076
10	64QAM	1	49	18.83	0.076	19.07	0.081	18.88	0.077
10	64QAM	25	0	18.69	0.074	18.67	0.074	18.71	0.074
10	64QAM	25	12	18.71	0.074	18.82	0.076	18.75	0.075
10	64QAM	25	25	18.64	0.073	18.54	0.071	18.53	0.071
10	64QAM	50	0	18.58	0.072	18.64	0.073	18.56	0.072



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	19.86	0.097	19.77	0.095	19.67	0.093
5	QPSK	1	12	19.73	0.094	19.66	0.092	19.74	0.094
5	QPSK	1	24	19.67	0.093	19.73	0.094	19.77	0.095
5	QPSK	12	0	18.52	0.071	18.60	0.072	18.52	0.071
5	QPSK	12	7	18.59	0.072	18.74	0.075	18.66	0.073
5	QPSK	12	13	18.61	0.073	18.77	0.075	18.62	0.073
5	QPSK	25	0	18.55	0.072	18.56	0.072	18.51	0.071
5	16QAM	1	0	18.73	0.075	18.71	0.074	18.77	0.075
5	16QAM	1	12	18.78	0.076	19.00	0.079	18.90	0.078
5	16QAM	1	24	18.84	0.077	19.03	0.080	18.85	0.077
5	16QAM	12	0	18.75	0.075	18.81	0.076	18.72	0.074
5	16QAM	12	7	18.64	0.073	18.66	0.073	18.62	0.073
5	16QAM	12	13	18.64	0.073	18.70	0.074	18.83	0.076
5	16QAM	25	0	18.61	0.073	18.66	0.073	18.68	0.074
5	64QAM	1	0	18.79	0.076	18.84	0.077	18.80	0.076
5	64QAM	1	12	18.84	0.077	18.96	0.079	18.84	0.077
5	64QAM	1	24	18.88	0.077	18.98	0.079	18.94	0.078
5	64QAM	12	0	18.59	0.072	18.56	0.072	18.61	0.073
5	64QAM	12	7	18.68	0.074	18.73	0.075	18.52	0.071
5	64QAM	12	13	18.63	0.073	18.72	0.074	18.58	0.072
5	64QAM	25	0	18.58	0.072	18.57	0.072	18.62	0.073



LTE Band 13				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				/		23230		/	
Frequency (MHz)				/		782		/	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	/	/	15.95	0.039	/	/
10	QPSK	1	25	/	/	15.76	0.038	/	/
10	QPSK	1	49	/	/	15.76	0.038	/	/
10	QPSK	25	0	/	/	14.83	0.030	/	/
10	QPSK	25	12	/	/	14.56	0.029	/	/
10	QPSK	25	25	/	/	14.60	0.029	/	/
10	QPSK	50	0	/	/	14.60	0.029	/	/
10	16QAM	1	0	/	/	14.65	0.029	/	/
10	16QAM	1	25	/	/	14.96	0.031	/	/
10	16QAM	1	49	/	/	14.88	0.031	/	/
10	16QAM	25	0	/	/	14.81	0.030	/	/
10	16QAM	25	12	/	/	14.78	0.030	/	/
10	16QAM	25	25	/	/	14.72	0.030	/	/
10	16QAM	50	0	/	/	14.79	0.030	/	/
10	64QAM	1	0	/	/	14.80	0.030	/	/
10	64QAM	1	25	/	/	14.60	0.029	/	/
10	64QAM	1	49	/	/	14.47	0.028	/	/
10	64QAM	25	0	/	/	14.79	0.030	/	/
10	64QAM	25	12	/	/	14.62	0.029	/	/
10	64QAM	25	25	/	/	14.69	0.029	/	/
10	64QAM	50	0	/	/	14.78	0.030	/	/



LTE Band 13				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23205		23230		23255	
Frequency (MHz)				779.5		782		784.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	15.77	0.038	15.73	0.037	15.69	0.037
5	QPSK	1	12	15.76	0.038	15.72	0.037	15.71	0.037
5	QPSK	1	24	15.68	0.037	15.74	0.037	15.73	0.037
5	QPSK	12	0	14.58	0.029	14.76	0.030	14.92	0.031
5	QPSK	12	7	14.70	0.030	14.79	0.030	14.87	0.031
5	QPSK	12	13	14.53	0.028	14.81	0.030	14.87	0.031
5	QPSK	25	0	14.56	0.029	14.73	0.030	14.86	0.031
5	16QAM	1	0	15.04	0.032	15.09	0.032	14.81	0.030
5	16QAM	1	12	15.21	0.033	14.77	0.030	15.14	0.033
5	16QAM	1	24	15.05	0.032	15.10	0.032	15.26	0.034
5	16QAM	12	0	14.49	0.028	14.52	0.028	14.73	0.030
5	16QAM	12	7	14.49	0.028	14.56	0.029	14.68	0.029
5	16QAM	12	13	14.40	0.028	14.65	0.029	14.68	0.029
5	16QAM	25	0	14.50	0.028	14.62	0.029	14.66	0.029
5	64QAM	1	0	14.56	0.029	14.57	0.029	14.57	0.029
5	64QAM	1	12	14.60	0.029	14.57	0.029	14.65	0.029
5	64QAM	1	24	14.65	0.029	14.65	0.029	14.57	0.029
5	64QAM	12	0	14.71	0.030	14.76	0.030	14.70	0.030
5	64QAM	12	7	14.58	0.029	14.66	0.029	14.60	0.029
5	64QAM	12	13	14.43	0.028	14.61	0.029	14.63	0.029
5	64QAM	25	0	14.40	0.028	14.59	0.029	14.75	0.030



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	20.52	0.113	20.59	0.115	20.56	0.114
20	QPSK	1	49	20.51	0.112	20.53	0.113	20.53	0.113
20	QPSK	1	99	20.43	0.110	20.49	0.112	20.46	0.111
20	QPSK	50	0	19.63	0.092	19.85	0.097	19.71	0.094
20	QPSK	50	24	19.56	0.090	19.63	0.092	19.59	0.091
20	QPSK	50	50	19.60	0.091	19.65	0.092	19.59	0.091
20	QPSK	100	0	19.48	0.089	19.59	0.091	19.62	0.092
20	16QAM	1	0	19.60	0.091	19.60	0.091	19.53	0.090
20	16QAM	1	49	19.59	0.091	19.19	0.083	19.59	0.091
20	16QAM	1	99	19.75	0.094	19.74	0.094	19.85	0.097
20	16QAM	50	0	19.60	0.091	19.74	0.094	19.35	0.086
20	16QAM	50	24	19.71	0.094	19.53	0.090	19.44	0.088
20	16QAM	50	50	19.70	0.093	19.34	0.086	19.38	0.087
20	16QAM	100	0	19.71	0.094	19.74	0.094	19.40	0.087
20	64QAM	1	0	18.87	0.077	19.15	0.082	19.18	0.083
20	64QAM	1	49	18.87	0.077	19.06	0.081	19.16	0.082
20	64QAM	1	99	18.89	0.077	19.16	0.082	19.20	0.083
20	64QAM	50	0	18.88	0.077	18.87	0.077	18.76	0.075
20	64QAM	50	24	18.90	0.078	18.86	0.077	18.85	0.077
20	64QAM	50	50	18.88	0.077	18.65	0.073	18.87	0.077
20	64QAM	100	0	18.88	0.077	18.84	0.077	18.75	0.075



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	20.49	0.112	20.49	0.112	20.50	0.112
15	QPSK	1	37	20.50	0.112	20.42	0.110	20.53	0.113
15	QPSK	1	74	20.31	0.107	20.53	0.113	20.50	0.112
15	QPSK	36	0	19.62	0.092	19.87	0.097	19.91	0.098
15	QPSK	36	20	19.76	0.095	19.85	0.097	19.81	0.096
15	QPSK	36	39	19.83	0.096	19.81	0.096	19.74	0.094
15	QPSK	75	0	19.71	0.094	19.71	0.094	19.72	0.094
15	16QAM	1	0	19.79	0.095	19.81	0.096	19.71	0.094
15	16QAM	1	37	19.81	0.096	19.85	0.097	19.53	0.090
15	16QAM	1	74	19.82	0.096	19.72	0.094	19.52	0.090
15	16QAM	36	0	19.59	0.091	19.55	0.090	19.44	0.088
15	16QAM	36	20	19.57	0.091	19.71	0.094	19.48	0.089
15	16QAM	36	39	19.59	0.091	19.61	0.091	19.46	0.088
15	16QAM	75	0	19.55	0.090	19.50	0.089	19.44	0.088
15	64QAM	1	0	19.01	0.080	18.90	0.078	19.06	0.081
15	64QAM	1	37	18.89	0.077	18.90	0.078	18.88	0.077
15	64QAM	1	74	18.84	0.077	18.92	0.078	19.09	0.081
15	64QAM	36	0	18.76	0.075	18.91	0.078	18.84	0.077
15	64QAM	36	20	19.04	0.080	18.90	0.078	18.78	0.076
15	64QAM	36	39	18.88	0.077	18.88	0.077	18.89	0.077
15	64QAM	75	0	19.06	0.081	18.88	0.077	18.92	0.078



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	20.52	0.113	20.53	0.113	20.53	0.113
10	QPSK	1	25	20.52	0.113	20.32	0.108	20.52	0.113
10	QPSK	1	49	20.46	0.111	20.48	0.112	20.51	0.112
10	QPSK	25	0	19.61	0.091	19.47	0.089	19.47	0.089
10	QPSK	25	12	19.81	0.096	19.77	0.095	19.48	0.089
10	QPSK	25	25	19.82	0.096	19.84	0.096	19.44	0.088
10	QPSK	50	0	19.83	0.096	19.75	0.094	19.47	0.089
10	16QAM	1	0	19.69	0.093	19.46	0.088	19.77	0.095
10	16QAM	1	25	19.57	0.091	19.47	0.089	19.87	0.097
10	16QAM	1	49	19.94	0.099	19.50	0.089	19.59	0.091
10	16QAM	25	0	19.44	0.088	19.55	0.090	19.51	0.089
10	16QAM	25	12	19.74	0.094	19.44	0.088	19.57	0.091
10	16QAM	25	25	19.44	0.088	19.58	0.091	19.63	0.092
10	16QAM	50	0	19.56	0.090	19.60	0.091	19.52	0.090
10	64QAM	1	0	18.91	0.078	18.94	0.078	18.87	0.077
10	64QAM	1	25	18.82	0.076	19.07	0.081	18.97	0.079
10	64QAM	1	49	19.18	0.083	18.92	0.078	18.97	0.079
10	64QAM	25	0	18.77	0.075	18.77	0.075	18.87	0.077
10	64QAM	25	12	18.77	0.075	18.97	0.079	18.98	0.079
10	64QAM	25	25	18.73	0.075	18.93	0.078	18.89	0.077
10	64QAM	50	0	18.79	0.076	18.95	0.079	18.85	0.077





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	20.47	0.111	20.48	0.112	20.51	0.112
5	QPSK	1	12	20.32	0.108	20.53	0.113	20.51	0.112
5	QPSK	1	24	20.32	0.108	20.31	0.107	20.30	0.107
5	QPSK	12	0	19.74	0.094	20.22	0.105	19.81	0.096
5	QPSK	12	7	19.88	0.097	19.87	0.097	19.87	0.097
5	QPSK	12	13	19.76	0.095	19.78	0.095	19.80	0.095
5	QPSK	25	0	19.80	0.095	19.81	0.096	19.47	0.089
5	16QAM	1	0	19.98	0.100	20.09	0.102	19.99	0.100
5	16QAM	1	12	19.59	0.091	19.77	0.095	19.47	0.089
5	16QAM	1	24	19.59	0.091	19.60	0.091	19.59	0.091
5	16QAM	12	0	19.60	0.091	19.65	0.092	19.59	0.091
5	16QAM	12	7	19.59	0.091	19.61	0.091	19.59	0.091
5	16QAM	12	13	19.50	0.089	19.62	0.092	19.59	0.091
5	16QAM	25	0	19.77	0.095	19.49	0.089	19.67	0.093
5	64QAM	1	0	18.88	0.077	19.21	0.083	18.82	0.076
5	64QAM	1	12	19.15	0.082	19.15	0.082	19.22	0.084
5	64QAM	1	24	19.15	0.082	19.15	0.082	19.12	0.082
5	64QAM	12	0	18.83	0.076	18.95	0.079	18.91	0.078
5	64QAM	12	7	18.92	0.078	18.93	0.078	18.84	0.077
5	64QAM	12	13	18.91	0.078	18.94	0.078	18.81	0.076
5	64QAM	25	0	18.95	0.079	18.97	0.079	18.88	0.077



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				40140		40640		41140	
Frequency (MHz)				2545		2595		2645	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	20.42	0.110	20.54	0.113	20.48	0.112
20	QPSK	1	49	20.38	0.109	20.47	0.111	20.48	0.112
20	QPSK	1	99	20.32	0.108	20.43	0.110	20.28	0.107
20	QPSK	50	0	19.58	0.091	19.64	0.092	19.57	0.091
20	QPSK	50	24	19.58	0.091	19.41	0.087	19.38	0.087
20	QPSK	50	50	19.61	0.091	19.46	0.088	19.52	0.090
20	QPSK	100	0	19.58	0.091	19.52	0.090	19.42	0.087
20	16QAM	1	0	19.62	0.092	19.45	0.088	19.42	0.087
20	16QAM	1	49	19.61	0.091	19.45	0.088	19.42	0.087
20	16QAM	1	99	19.68	0.093	19.52	0.090	19.52	0.090
20	16QAM	50	0	19.59	0.091	19.45	0.088	19.42	0.087
20	16QAM	50	24	19.57	0.091	19.42	0.087	19.42	0.087
20	16QAM	50	50	19.63	0.092	19.88	0.097	19.52	0.090
20	16QAM	100	0	19.57	0.091	19.83	0.096	19.41	0.087
20	64QAM	1	0	20.00	0.100	19.91	0.098	19.70	0.093
20	64QAM	1	49	19.93	0.098	19.73	0.094	19.70	0.093
20	64QAM	1	99	19.83	0.096	19.69	0.093	19.66	0.092
20	64QAM	50	0	19.79	0.095	19.72	0.094	19.76	0.095
20	64QAM	50	24	19.64	0.092	19.79	0.095	19.69	0.093
20	64QAM	50	50	19.74	0.094	19.93	0.098	19.75	0.094
20	64QAM	100	0	19.72	0.094	19.96	0.099	19.76	0.095



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				40115		40640		41165	
Frequency (MHz)				2542.5		2595		2647.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	20.08	0.102	20.44	0.111	20.30	0.107
15	QPSK	1	37	20.07	0.102	20.48	0.112	20.41	0.110
15	QPSK	1	74	20.07	0.102	20.41	0.110	20.21	0.105
15	QPSK	36	0	19.24	0.084	19.43	0.088	20.24	0.106
15	QPSK	36	20	19.49	0.089	19.43	0.088	20.31	0.107
15	QPSK	36	39	19.65	0.092	19.42	0.087	20.26	0.106
15	QPSK	75	0	19.43	0.088	19.45	0.088	20.23	0.105
15	16QAM	1	0	19.37	0.086	19.82	0.096	19.62	0.092
15	16QAM	1	37	19.58	0.091	19.39	0.087	19.63	0.092
15	16QAM	1	74	19.54	0.090	18.96	0.079	19.25	0.084
15	16QAM	36	0	19.41	0.087	19.36	0.086	19.70	0.093
15	16QAM	36	20	19.46	0.088	19.32	0.086	19.72	0.094
15	16QAM	36	39	19.53	0.090	19.82	0.096	19.48	0.089
15	16QAM	75	0	19.44	0.088	19.30	0.085	19.08	0.081
15	64QAM	1	0	19.82	0.096	19.96	0.099	20.10	0.102
15	64QAM	1	37	20.10	0.102	20.10	0.102	19.22	0.084
15	64QAM	1	74	20.07	0.102	19.89	0.097	18.95	0.079
15	64QAM	36	0	19.51	0.089	19.67	0.093	19.59	0.091
15	64QAM	36	20	19.66	0.092	20.11	0.103	19.60	0.091
15	64QAM	36	39	19.61	0.091	20.08	0.102	19.69	0.093
15	64QAM	75	0	19.59	0.091	20.08	0.102	19.61	0.091



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				40090		40640		41190	
Frequency (MHz)				2540		2595		2650	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	20.12	0.103	20.41	0.110	20.28	0.107
10	QPSK	1	25	20.32	0.108	20.28	0.107	20.23	0.105
10	QPSK	1	49	20.09	0.102	20.48	0.112	20.24	0.106
10	QPSK	25	0	19.40	0.087	19.71	0.094	19.48	0.089
10	QPSK	25	12	19.48	0.089	19.60	0.091	19.48	0.089
10	QPSK	25	25	19.52	0.090	19.55	0.090	19.84	0.096
10	QPSK	50	0	19.57	0.091	19.63	0.092	19.08	0.081
10	16QAM	1	0	19.43	0.088	19.49	0.089	19.28	0.085
10	16QAM	1	25	19.61	0.091	19.64	0.092	19.32	0.086
10	16QAM	1	49	19.47	0.089	19.56	0.090	19.47	0.089
10	16QAM	25	0	19.47	0.089	19.70	0.093	19.13	0.082
10	16QAM	25	12	19.60	0.091	19.56	0.090	18.89	0.077
10	16QAM	25	25	19.57	0.091	19.68	0.093	19.40	0.087
10	16QAM	50	0	19.55	0.090	19.62	0.092	19.16	0.082
10	64QAM	1	0	19.45	0.088	19.41	0.087	19.81	0.096
10	64QAM	1	25	19.48	0.089	19.58	0.091	19.76	0.095
10	64QAM	1	49	19.46	0.088	19.45	0.088	19.57	0.091
10	64QAM	25	0	19.53	0.090	19.66	0.092	19.73	0.094
10	64QAM	25	12	19.56	0.090	19.55	0.090	19.48	0.089
10	64QAM	25	25	19.65	0.092	19.64	0.092	19.71	0.094
10	64QAM	50	0	19.61	0.091	19.69	0.093	19.77	0.095



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				40065		40640		41215	
Frequency (MHz)				2537.5		2595		2652.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	20.21	0.105	20.41	0.110	20.19	0.104
5	QPSK	1	12	20.20	0.105	20.28	0.107	20.23	0.105
5	QPSK	1	24	20.33	0.108	20.38	0.109	20.24	0.106
5	QPSK	12	0	19.42	0.087	19.60	0.091	19.40	0.087
5	QPSK	12	7	19.50	0.089	19.93	0.098	19.62	0.092
5	QPSK	12	13	19.44	0.088	19.67	0.093	19.68	0.093
5	QPSK	25	0	19.47	0.089	19.68	0.093	19.61	0.091
5	16QAM	1	0	19.71	0.094	19.69	0.093	19.52	0.090
5	16QAM	1	12	19.32	0.086	19.86	0.097	19.42	0.087
5	16QAM	1	24	19.18	0.083	19.67	0.093	19.68	0.093
5	16QAM	12	0	19.36	0.086	19.53	0.090	19.48	0.089
5	16QAM	12	7	19.48	0.089	19.63	0.092	19.61	0.091
5	16QAM	12	13	19.54	0.090	19.53	0.090	19.40	0.087
5	16QAM	25	0	19.89	0.097	19.60	0.091	19.77	0.095
5	64QAM	1	0	20.01	0.100	20.13	0.103	19.71	0.094
5	64QAM	1	12	20.01	0.100	20.06	0.101	19.67	0.093
5	64QAM	1	24	19.86	0.097	19.99	0.100	20.00	0.100
5	64QAM	12	0	19.81	0.096	19.59	0.091	19.67	0.093
5	64QAM	12	7	19.82	0.096	19.81	0.096	19.75	0.094
5	64QAM	12	13	19.80	0.095	19.60	0.091	19.66	0.092
5	64QAM	25	0	19.54	0.090	19.66	0.092	19.48	0.089



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132072		132322		132572	
Frequency (MHz)				1720		1745		1770	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	21.61	0.145	21.67	0.147	21.65	0.146
20	QPSK	1	49	21.46	0.140	21.45	0.140	21.41	0.138
20	QPSK	1	99	21.39	0.138	21.38	0.137	21.41	0.138
20	QPSK	50	0	20.73	0.118	20.80	0.120	20.76	0.119
20	QPSK	50	24	20.54	0.113	20.56	0.114	20.69	0.117
20	QPSK	50	50	20.58	0.114	20.66	0.116	20.54	0.113
20	QPSK	100	0	20.56	0.114	20.56	0.114	20.48	0.112
20	16QAM	1	0	20.61	0.115	20.85	0.122	20.65	0.116
20	16QAM	1	49	20.66	0.116	20.72	0.118	20.83	0.121
20	16QAM	1	99	20.66	0.116	20.84	0.121	20.63	0.116
20	16QAM	50	0	20.78	0.120	20.75	0.119	20.72	0.118
20	16QAM	50	24	20.67	0.117	20.67	0.117	20.68	0.117
20	16QAM	50	50	20.64	0.116	20.56	0.114	20.52	0.113
20	16QAM	100	0	20.60	0.115	20.63	0.116	20.69	0.117
20	64QAM	1	0	20.93	0.124	20.70	0.117	21.03	0.127
20	64QAM	1	49	20.70	0.117	21.03	0.127	21.02	0.126
20	64QAM	1	99	20.93	0.124	21.05	0.127	21.13	0.130
20	64QAM	50	0	20.89	0.123	20.79	0.120	20.92	0.124
20	64QAM	50	24	20.83	0.121	20.77	0.119	20.89	0.123
20	64QAM	50	50	20.85	0.122	20.73	0.118	20.79	0.120
20	64QAM	100	0	20.84	0.121	20.84	0.121	20.82	0.121



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132047		132322		132597	
Frequency (MHz)				1717.5		1745		1772.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	21.59	0.144	21.63	0.146	21.61	0.145
15	QPSK	1	37	21.63	0.146	21.59	0.144	21.57	0.144
15	QPSK	1	74	21.57	0.144	21.53	0.142	21.51	0.142
15	QPSK	36	0	20.67	0.117	20.64	0.116	20.68	0.117
15	QPSK	36	20	20.67	0.117	20.59	0.115	20.69	0.117
15	QPSK	36	39	20.53	0.113	20.58	0.114	20.55	0.114
15	QPSK	75	0	20.62	0.115	20.66	0.116	20.59	0.115
15	16QAM	1	0	20.61	0.115	20.48	0.112	20.78	0.120
15	16QAM	1	37	20.48	0.112	20.78	0.120	20.71	0.118
15	16QAM	1	74	20.58	0.114	20.48	0.112	20.48	0.112
15	16QAM	36	0	20.79	0.120	20.79	0.120	20.70	0.117
15	16QAM	36	20	20.82	0.121	20.81	0.121	20.87	0.122
15	16QAM	36	39	20.74	0.119	20.89	0.123	20.83	0.121
15	16QAM	75	0	20.84	0.121	20.82	0.121	20.78	0.120
15	64QAM	1	0	21.15	0.130	21.05	0.127	21.15	0.130
15	64QAM	1	37	21.17	0.131	20.95	0.124	21.05	0.127
15	64QAM	1	74	20.82	0.121	21.08	0.128	21.15	0.130
15	64QAM	36	0	20.94	0.124	20.93	0.124	21.06	0.128
15	64QAM	36	20	21.04	0.127	21.00	0.126	21.01	0.126
15	64QAM	36	39	20.93	0.124	20.87	0.122	20.91	0.123
15	64QAM	75	0	20.95	0.124	20.97	0.125	20.94	0.124



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132022		132322		132622	
Frequency (MHz)				1715		1745		1775	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	21.62	0.145	21.62	0.145	21.63	0.146
10	QPSK	1	25	21.52	0.142	21.50	0.141	21.58	0.144
10	QPSK	1	49	21.66	0.147	21.54	0.143	21.44	0.139
10	QPSK	25	0	20.98	0.125	20.91	0.123	20.98	0.125
10	QPSK	25	12	20.95	0.124	21.14	0.130	20.92	0.124
10	QPSK	25	25	20.91	0.123	20.87	0.122	20.79	0.120
10	QPSK	50	0	20.99	0.126	20.84	0.121	21.03	0.127
10	16QAM	1	0	20.91	0.123	20.91	0.123	21.11	0.129
10	16QAM	1	25	20.91	0.123	21.00	0.126	21.12	0.129
10	16QAM	1	49	20.74	0.119	20.94	0.124	20.82	0.121
10	16QAM	25	0	20.75	0.119	20.92	0.124	20.80	0.120
10	16QAM	25	12	20.74	0.119	20.94	0.124	20.85	0.122
10	16QAM	25	25	20.65	0.116	20.70	0.117	20.70	0.117
10	16QAM	50	0	20.81	0.121	20.85	0.122	20.86	0.122
10	64QAM	1	0	20.98	0.125	20.98	0.125	20.65	0.116
10	64QAM	1	25	20.65	0.116	20.78	0.120	20.68	0.117
10	64QAM	1	49	20.65	0.116	20.65	0.116	20.65	0.116
10	64QAM	25	0	20.98	0.125	20.96	0.125	20.98	0.125
10	64QAM	25	12	20.97	0.125	21.01	0.126	21.05	0.127
10	64QAM	25	25	20.97	0.125	20.90	0.123	20.92	0.124
10	64QAM	50	0	20.87	0.122	20.97	0.125	20.98	0.125





LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131997		132322		132647	
Frequency (MHz)				1712.5		1745		1777.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	21.51	0.142	21.54	0.143	21.59	0.144
5	QPSK	1	12	21.54	0.143	21.54	0.143	21.53	0.142
5	QPSK	1	24	21.62	0.145	21.52	0.142	21.58	0.144
5	QPSK	12	0	20.67	0.117	20.69	0.117	20.65	0.116
5	QPSK	12	7	20.69	0.117	20.77	0.119	20.70	0.117
5	QPSK	12	13	20.55	0.114	20.61	0.115	20.62	0.115
5	QPSK	25	0	20.65	0.116	20.66	0.116	20.65	0.116
5	16QAM	1	0	21.14	0.130	20.83	0.121	20.84	0.121
5	16QAM	1	12	20.77	0.119	21.06	0.128	21.01	0.126
5	16QAM	1	24	20.89	0.123	20.78	0.120	21.13	0.130
5	16QAM	12	0	20.78	0.120	20.89	0.123	20.85	0.122
5	16QAM	12	7	20.95	0.124	20.87	0.122	20.99	0.126
5	16QAM	12	13	20.86	0.122	20.80	0.120	20.87	0.122
5	16QAM	25	0	20.87	0.122	20.89	0.123	20.81	0.121
5	64QAM	1	0	20.65	0.116	21.05	0.127	20.85	0.122
5	64QAM	1	12	20.95	0.124	20.95	0.124	20.95	0.124
5	64QAM	1	24	20.78	0.120	20.82	0.121	20.78	0.120
5	64QAM	12	0	21.02	0.126	20.77	0.119	20.98	0.125
5	64QAM	12	7	21.10	0.129	20.69	0.117	21.00	0.126
5	64QAM	12	13	20.93	0.124	21.05	0.127	21.00	0.126
5	64QAM	25	0	21.00	0.126	21.08	0.128	20.95	0.124



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131987		132322		132657	
Frequency (MHz)				1711.5		1745		1778.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	21.58	0.144	21.49	0.141	21.48	0.141
3	QPSK	1	8	21.45	0.140	21.46	0.140	21.54	0.143
3	QPSK	1	14	21.36	0.137	21.17	0.131	21.47	0.140
3	QPSK	8	0	20.93	0.124	20.90	0.123	20.94	0.124
3	QPSK	8	4	20.88	0.122	20.80	0.120	20.90	0.123
3	QPSK	8	7	20.74	0.119	20.79	0.120	20.76	0.119
3	QPSK	15	0	20.83	0.121	20.87	0.122	20.80	0.120
3	16QAM	1	0	20.52	0.113	20.93	0.124	20.69	0.117
3	16QAM	1	8	20.85	0.122	20.79	0.120	20.78	0.120
3	16QAM	1	14	20.89	0.123	20.78	0.120	20.48	0.112
3	16QAM	8	0	20.70	0.117	20.70	0.117	20.61	0.115
3	16QAM	8	4	20.73	0.118	20.72	0.118	20.78	0.120
3	16QAM	8	7	20.65	0.116	20.80	0.120	20.74	0.119
3	16QAM	15	0	20.75	0.119	20.73	0.118	20.69	0.117
3	64QAM	1	0	21.06	0.128	20.96	0.125	21.06	0.128
3	64QAM	1	8	21.08	0.128	20.86	0.122	20.96	0.125
3	64QAM	1	14	20.73	0.118	20.99	0.126	21.06	0.128
3	64QAM	8	0	20.85	0.122	20.84	0.121	20.97	0.125
3	64QAM	8	4	20.95	0.124	20.91	0.123	20.92	0.124
3	64QAM	8	7	20.84	0.121	20.78	0.120	20.82	0.121
3	64QAM	15	0	20.86	0.122	20.88	0.122	20.85	0.122



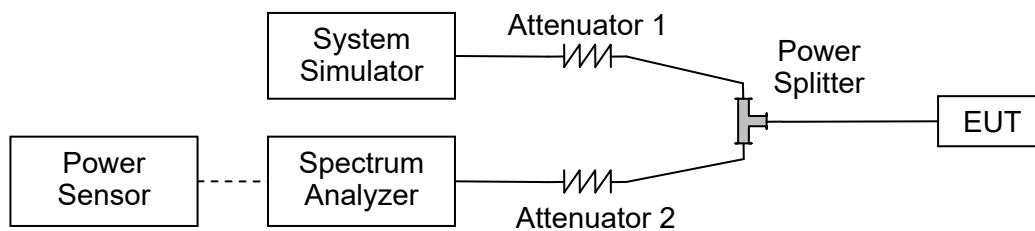
LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131979		132322		132665	
Frequency (MHz)				1710.7		1745		1779.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	21.52	0.142	21.43	0.139	21.44	0.139
1.4	QPSK	1	3	21.58	0.144	21.60	0.145	21.60	0.145
1.4	QPSK	1	5	21.50	0.141	21.38	0.137	21.54	0.143
1.4	QPSK	3	0	21.49	0.141	21.42	0.139	21.49	0.141
1.4	QPSK	3	1	21.46	0.140	21.52	0.142	21.43	0.139
1.4	QPSK	3	3	21.47	0.140	21.43	0.139	21.35	0.136
1.4	QPSK	6	0	20.96	0.125	20.81	0.121	21.00	0.126
1.4	16QAM	1	0	20.83	0.121	20.83	0.121	21.03	0.127
1.4	16QAM	1	3	20.83	0.121	20.92	0.124	21.04	0.127
1.4	16QAM	1	5	20.66	0.116	20.86	0.122	20.74	0.119
1.4	16QAM	3	0	20.61	0.115	20.58	0.114	20.84	0.121
1.4	16QAM	3	1	20.70	0.117	20.60	0.115	20.72	0.118
1.4	16QAM	3	3	20.71	0.118	20.72	0.118	20.66	0.116
1.4	16QAM	6	0	20.60	0.115	20.51	0.112	20.52	0.113
1.4	64QAM	1	0	21.11	0.129	20.96	0.125	21.12	0.129
1.4	64QAM	1	3	20.84	0.121	20.93	0.124	20.93	0.124
1.4	64QAM	1	5	20.81	0.121	20.81	0.121	20.92	0.124
1.4	64QAM	3	0	20.90	0.123	20.88	0.122	20.90	0.123
1.4	64QAM	3	1	20.89	0.123	20.93	0.124	20.97	0.125
1.4	64QAM	3	3	20.89	0.123	20.82	0.121	20.84	0.121
1.4	64QAM	6	0	20.79	0.120	20.89	0.123	20.90	0.123

## 2.2. Occupied Bandwidth

### 2.2.1. Requirement

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

### 2.2.2. Test Description



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

### 2.2.3. Test Procedure

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

### 2.2.4. Test Result



LTE Band 2				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.24
	Low	16QAM	1.10	1.25
	Low	64QAM	1.11	1.25
	Mid	QPSK	1.10	1.25
	Mid	16QAM	1.10	1.25
	Mid	64QAM	1.10	1.26
	High	QPSK	1.09	1.25
	High	16QAM	1.10	1.26
	High	64QAM	1.10	1.25
3	Low	QPSK	2.71	3.04
	Low	16QAM	2.72	3.05
	Low	64QAM	2.71	3.03
	Mid	QPSK	2.72	3.05
	Mid	16QAM	2.71	3.05
	Mid	64QAM	2.71	3.05
	High	QPSK	2.71	3.05
	High	16QAM	2.72	3.06
	High	64QAM	2.71	3.03
5	Low	QPSK	4.50	4.97
	Low	16QAM	4.50	4.96
	Low	64QAM	4.50	5.00
	Mid	QPSK	4.50	4.96
	Mid	16QAM	4.50	4.99
	Mid	64QAM	4.51	4.96
	High	QPSK	4.50	4.97
	High	16QAM	4.50	5.01
	High	64QAM	4.50	4.99
10	Low	QPSK	9.01	9.91
	Low	16QAM	8.97	9.84
	Low	64QAM	9.02	9.92
	Mid	QPSK	9.02	9.84
	Mid	16QAM	8.99	9.83
	Mid	64QAM	9.02	9.91
	High	QPSK	9.01	9.83
	High	16QAM	8.98	9.84
	High	64QAM	9.01	9.93



15	Low	QPSK	13.49	14.88
	Low	16QAM	13.50	14.97
	Low	64QAM	13.48	14.99
	Mid	QPSK	13.52	14.85
	Mid	16QAM	13.49	14.92
	Mid	64QAM	13.47	14.83
	High	QPSK	13.49	14.88
	High	16QAM	13.53	15.08
	High	64QAM	13.49	14.93
20	Low	QPSK	18.01	19.74
	Low	16QAM	18.01	19.79
	Low	64QAM	18.03	19.78
	Mid	QPSK	18.01	19.81
	Mid	16QAM	18.05	19.72
	Mid	64QAM	18.06	19.83
	High	QPSK	17.98	19.77
	High	16QAM	18.06	19.81
	High	64QAM	18.01	19.94



LTE Band 4				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.24
	Low	16QAM	1.10	1.25
	Low	64QAM	1.10	1.25
	Mid	QPSK	1.09	1.24
	Mid	16QAM	1.10	1.25
	Mid	64QAM	1.10	1.25
	High	QPSK	1.10	1.25
	High	16QAM	1.10	1.25
	High	64QAM	1.10	1.25
3	Low	QPSK	2.71	3.05
	Low	16QAM	2.72	3.05
	Low	64QAM	2.71	3.04
	Mid	QPSK	2.71	3.06
	Mid	16QAM	2.71	3.05
	Mid	64QAM	2.71	3.06
	High	QPSK	2.72	3.05
	High	16QAM	2.72	3.06
	High	64QAM	2.71	3.04
5	Low	QPSK	4.50	4.97
	Low	16QAM	4.50	4.95
	Low	64QAM	4.50	4.99
	Mid	QPSK	4.50	4.98
	Mid	16QAM	4.50	5.00
	Mid	64QAM	4.51	4.97
	High	QPSK	4.50	4.99
	High	16QAM	4.51	5.01
	High	64QAM	4.51	4.97
10	Low	QPSK	9.00	9.85
	Low	16QAM	8.97	9.80
	Low	64QAM	9.01	9.91
	Mid	QPSK	8.99	9.89
	Mid	16QAM	8.97	9.81
	Mid	64QAM	9.01	9.97
	High	QPSK	9.03	9.84
	High	16QAM	8.98	9.87
	High	64QAM	9.04	9.93



15	Low	QPSK	13.45	14.80
	Low	16QAM	13.49	14.86
	Low	64QAM	13.46	14.97
	Mid	QPSK	13.47	15.01
	Mid	16QAM	13.49	14.92
	Mid	64QAM	13.47	14.89
	High	QPSK	13.49	14.82
	High	16QAM	13.48	14.92
	High	64QAM	13.47	14.91
20	Low	QPSK	17.94	19.65
	Low	16QAM	18.00	19.72
	Low	64QAM	17.98	19.69
	Mid	QPSK	17.98	19.79
	Mid	16QAM	17.99	19.64
	Mid	64QAM	18.00	19.73
	High	QPSK	18.00	19.68
	High	16QAM	17.99	19.83
	High	64QAM	18.01	19.77





LTE Band 5				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.24
	Low	16QAM	1.10	1.24
	Low	64QAM	1.10	1.25
	Mid	QPSK	1.09	1.24
	Mid	16QAM	1.10	1.25
	Mid	64QAM	1.10	1.25
	High	QPSK	1.10	1.24
	High	16QAM	1.10	1.26
	High	64QAM	1.10	1.25
3	Low	QPSK	2.72	3.05
	Low	16QAM	2.71	3.04
	Low	64QAM	2.72	3.04
	Mid	QPSK	2.72	3.04
	Mid	16QAM	2.71	3.05
	Mid	64QAM	2.71	3.04
	High	QPSK	2.72	3.04
	High	16QAM	2.71	3.03
	High	64QAM	2.71	3.04
5	Low	QPSK	4.50	5.00
	Low	16QAM	4.50	4.99
	Low	64QAM	4.50	4.99
	Mid	QPSK	4.49	4.97
	Mid	16QAM	4.50	4.98
	Mid	64QAM	4.50	4.96
	High	QPSK	4.49	4.96
	High	16QAM	4.50	4.99
	High	64QAM	4.50	4.96
10	Low	QPSK	9.02	9.95
	Low	16QAM	8.99	9.83
	Low	64QAM	9.02	9.89
	Mid	QPSK	8.99	9.90
	Mid	16QAM	8.98	9.80
	Mid	64QAM	9.00	9.88
	High	QPSK	9.00	9.89
	High	16QAM	8.98	9.82
	High	64QAM	9.02	9.87



LTE Band 7				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.51	4.97
	Low	16QAM	4.50	4.96
	Low	64QAM	4.51	4.97
	Mid	QPSK	4.50	4.95
	Mid	16QAM	4.50	4.99
	Mid	64QAM	4.51	4.99
	High	QPSK	4.50	4.99
	High	16QAM	4.51	5.01
	High	64QAM	4.51	5.00
10	Low	QPSK	9.01	9.87
	Low	16QAM	8.98	9.78
	Low	64QAM	9.02	9.94
	Mid	QPSK	9.00	9.86
	Mid	16QAM	8.98	9.84
	Mid	64QAM	9.01	9.94
	High	QPSK	9.00	9.90
	High	16QAM	8.98	9.86
	High	64QAM	9.00	9.91
15	Low	QPSK	13.48	14.87
	Low	16QAM	13.48	14.91
	Low	64QAM	13.48	15.00
	Mid	QPSK	13.52	14.87
	Mid	16QAM	13.47	14.93
	Mid	64QAM	13.49	14.94
	High	QPSK	13.49	14.95
	High	16QAM	13.49	14.98
	High	64QAM	13.48	14.96
20	Low	QPSK	18.02	19.73
	Low	16QAM	18.04	19.79
	Low	64QAM	18.05	19.70
	Mid	QPSK	18.02	19.78
	Mid	16QAM	18.02	19.76
	Mid	64QAM	18.01	19.83
	High	QPSK	17.97	19.63
	High	16QAM	18.01	19.91
	High	64QAM	18.03	19.66



LTE Band 13				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.50	4.95
	Low	16QAM	4.49	4.99
	Low	64QAM	4.50	4.95
	Mid	QPSK	4.50	5.00
	Mid	16QAM	4.51	4.97
	Mid	64QAM	4.51	5.01
	High	QPSK	4.50	4.99
	High	16QAM	4.51	4.99
	High	64QAM	4.51	5.00
10	Low	QPSK	/	/
	Low	16QAM	/	/
	Low	64QAM	/	/
	Mid	QPSK	9.03	9.85
	Mid	16QAM	8.98	9.83
	Mid	64QAM	9.03	9.95
	High	QPSK	/	/
	High	16QAM	/	/
	High	64QAM	/	/



LTE Band 38				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.50	5.20
	Low	16QAM	4.50	5.03
	Low	64QAM	4.51	5.05
	Mid	QPSK	4.51	4.98
	Mid	16QAM	4.51	5.23
	Mid	64QAM	4.51	4.95
	High	QPSK	4.50	4.93
	High	16QAM	4.50	4.95
	High	64QAM	4.51	5.05
10	Low	QPSK	8.99	9.88
	Low	16QAM	8.99	9.80
	Low	64QAM	8.99	10.13
	Mid	QPSK	9.01	10.13
	Mid	16QAM	8.99	10.04
	Mid	64QAM	9.00	10.28
	High	QPSK	8.98	9.81
	High	16QAM	8.98	9.81
	High	64QAM	8.99	9.98
15	Low	QPSK	13.47	14.82
	Low	16QAM	13.46	14.72
	Low	64QAM	13.46	14.83
	Mid	QPSK	13.50	14.94
	Mid	16QAM	13.49	15.41
	Mid	64QAM	13.48	14.75
	High	QPSK	13.50	15.11
	High	16QAM	13.49	14.81
	High	64QAM	13.47	15.31
20	Low	QPSK	18.01	19.69
	Low	16QAM	17.96	19.91
	Low	64QAM	17.98	19.69
	Mid	QPSK	18.00	20.58
	Mid	16QAM	18.01	20.37
	Mid	64QAM	17.98	19.77
	High	QPSK	18.01	20.58
	High	16QAM	17.98	20.74
	High	64QAM	18.02	19.82



LTE Band 41				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.50	4.92
	Low	16QAM	4.51	4.95
	Low	64QAM	4.52	5.09
	Mid	QPSK	4.50	5.18
	Mid	16QAM	4.51	4.97
	Mid	64QAM	4.51	4.95
	High	QPSK	4.51	5.17
	High	16QAM	4.50	4.97
	High	64QAM	4.50	4.95
10	Low	QPSK	8.98	9.96
	Low	16QAM	8.99	9.87
	Low	64QAM	9.00	9.83
	Mid	QPSK	9.00	9.77
	Mid	16QAM	8.99	9.93
	Mid	64QAM	8.99	9.97
	High	QPSK	8.98	9.79
	High	16QAM	8.99	9.80
	High	64QAM	9.00	9.89
15	Low	QPSK	13.46	15.52
	Low	16QAM	13.51	15.02
	Low	64QAM	13.48	15.14
	Mid	QPSK	13.48	14.74
	Mid	16QAM	13.49	15.00
	Mid	64QAM	13.47	15.30
	High	QPSK	13.45	15.09
	High	16QAM	13.45	14.71
	High	64QAM	13.47	14.92
20	Low	QPSK	17.99	20.76
	Low	16QAM	18.00	20.38
	Low	64QAM	17.98	19.47
	Mid	QPSK	18.00	20.66
	Mid	16QAM	18.01	19.78
	Mid	64QAM	17.99	20.16
	High	QPSK	17.99	19.65
	High	16QAM	17.93	19.70
	High	64QAM	17.96	19.73



LTE Band 66				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.24
	Low	16QAM	1.10	1.25
	Low	64QAM	1.11	1.25
	Mid	QPSK	1.10	1.24
	Mid	16QAM	1.10	1.25
	Mid	64QAM	1.11	1.25
	High	QPSK	1.10	1.25
	High	16QAM	1.10	1.24
	High	64QAM	1.10	1.25
3	Low	QPSK	2.72	3.05
	Low	16QAM	2.71	3.06
	Low	64QAM	2.71	3.05
	Mid	QPSK	2.71	3.04
	Mid	16QAM	2.71	3.05
	Mid	64QAM	2.71	3.06
	High	QPSK	2.71	3.06
	High	16QAM	2.71	3.05
	High	64QAM	2.71	3.05
5	Low	QPSK	4.51	4.97
	Low	16QAM	4.50	4.99
	Low	64QAM	4.51	4.97
	Mid	QPSK	4.50	4.98
	Mid	16QAM	4.50	4.97
	Mid	64QAM	4.50	4.97
	High	QPSK	4.50	4.97
	High	16QAM	4.51	4.95
	High	64QAM	4.51	4.98
10	Low	QPSK	9.01	9.83
	Low	16QAM	8.98	9.83
	Low	64QAM	9.02	9.95
	Mid	QPSK	9.01	9.88
	Mid	16QAM	8.97	9.81
	Mid	64QAM	9.00	9.97
	High	QPSK	9.01	9.95
	High	16QAM	8.98	9.81
	High	64QAM	9.02	9.93

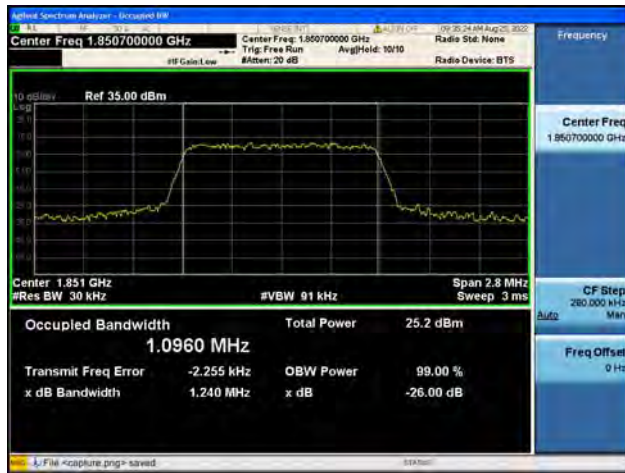


15	Low	QPSK	13.47	14.84
	Low	16QAM	13.50	14.94
	Low	64QAM	13.47	14.91
	Mid	QPSK	13.48	14.77
	Mid	16QAM	13.49	14.95
	Mid	64QAM	13.47	14.90
	High	QPSK	13.51	14.82
	High	16QAM	13.51	15.03
	High	64QAM	13.50	14.88
20	Low	QPSK	17.98	19.63
	Low	16QAM	18.02	19.87
	Low	64QAM	18.01	19.73
	Mid	QPSK	18.01	19.77
	Mid	16QAM	18.06	20.00
	Mid	64QAM	18.03	19.72
	High	QPSK	18.00	19.76
	High	16QAM	18.00	19.16
	High	64QAM	18.02	19.78

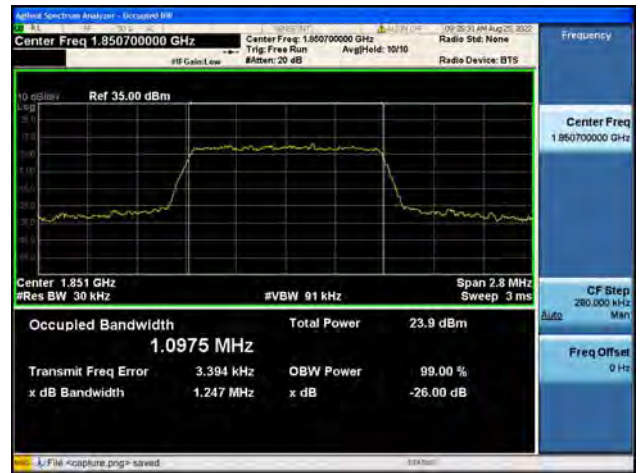




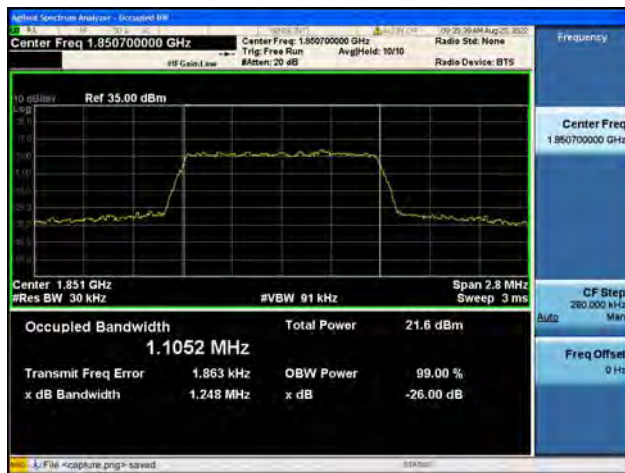
Band2 / 1.4MHz / QPSK/ Low CH



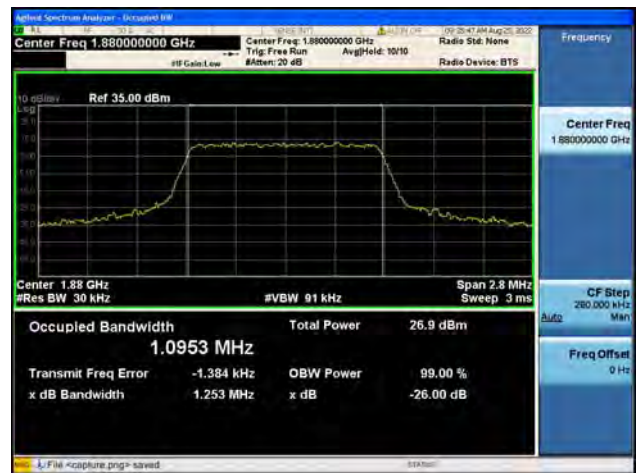
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Band2 / 1.4MHz / 64QAM/ Low CH



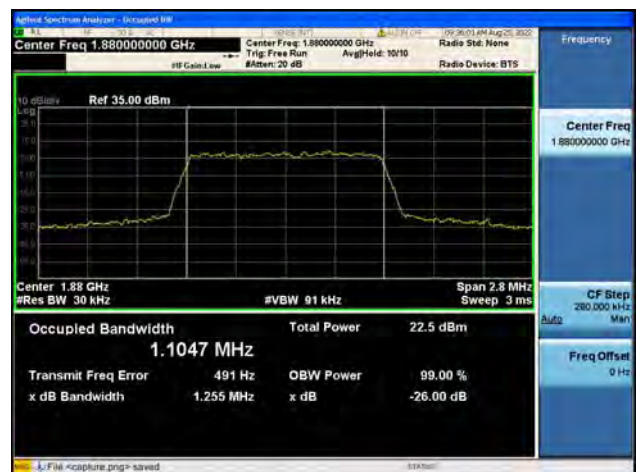
Band2 / 1.4MHz / QPSK/ Mid CH



Band2 / 1.4MHz / 16QAM/ Mid CH



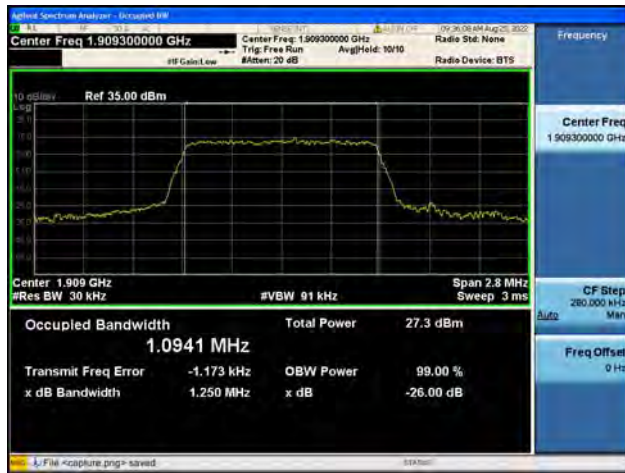
Band2 / 1.4MHz / 64QAM/ Mid CH



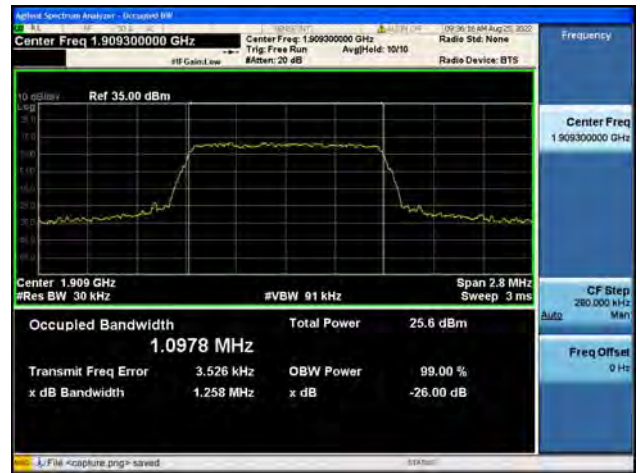




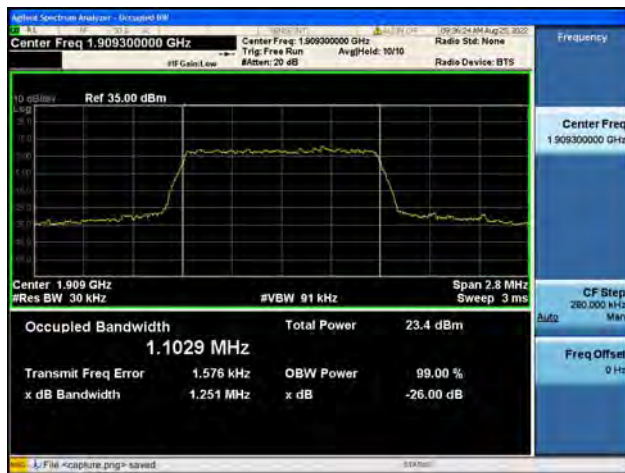
Band2 / 1.4MHz / QPSK/ High CH



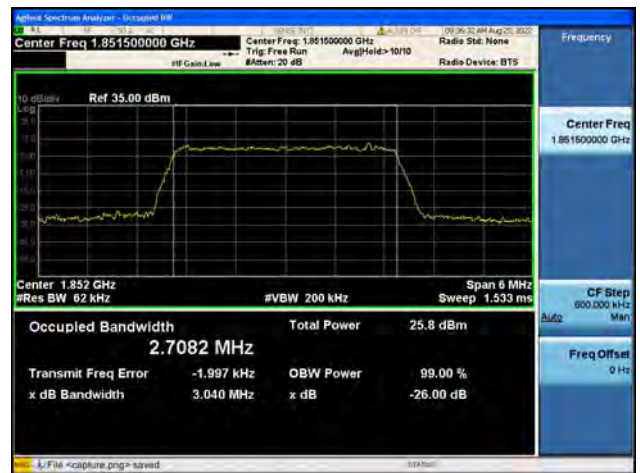
Band2 / 1.4MHz / 16QAM/ High CH



Band2 / 1.4MHz / 64QAM/ High CH



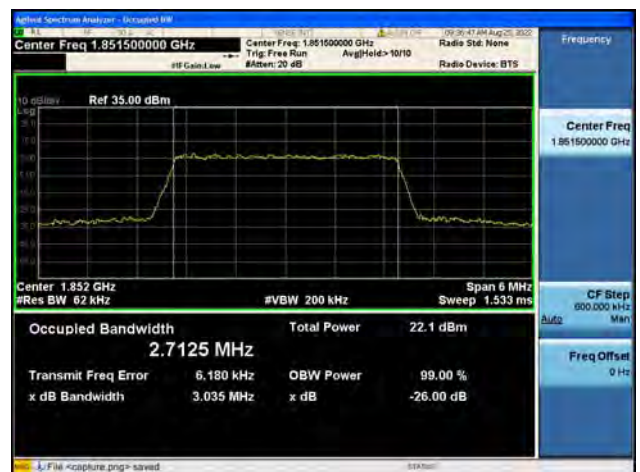
Band2 / 3MHz / QPSK/ Low CH



Band2 / 3MHz / 16QAM/ Low CH



Band2 / 3MHz / 64QAM/ Low CH

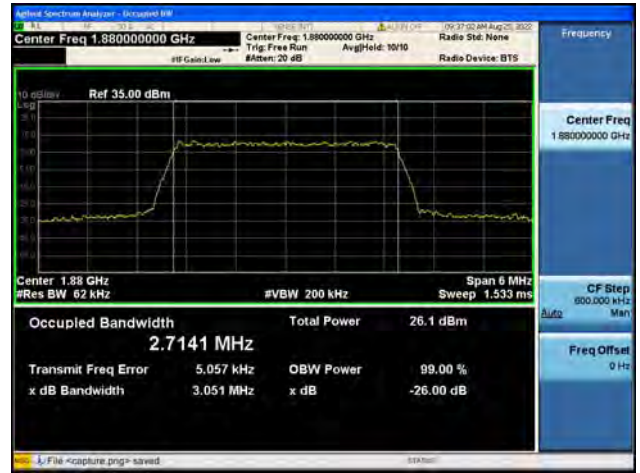




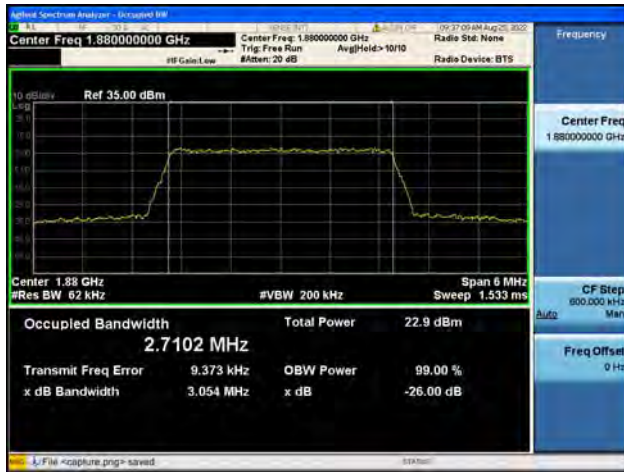
Band2 / 3MHz / QPSK/ Mid CH



Band2 / 3MHz / 16QAM/ Mid CH



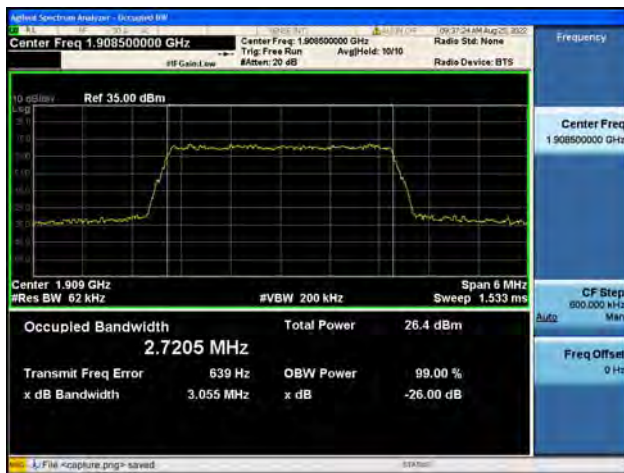
Band2 / 3MHz / 64QAM/ Mid CH



Band2 / 3MHz / QPSK/ High CH



Band2 / 3MHz / 16QAM/ High CH



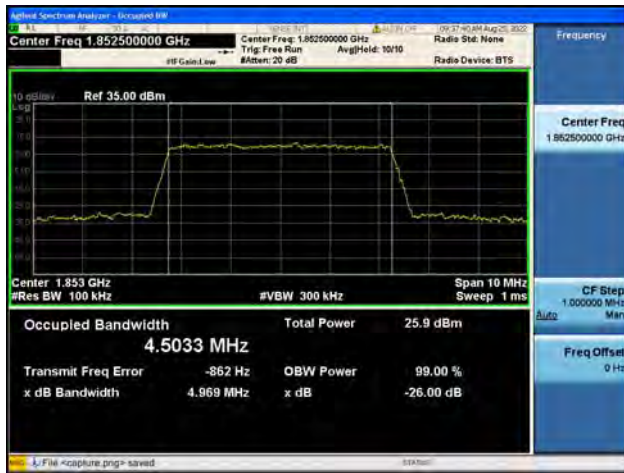
Band2 / 3MHz / 64QAM/ High CH



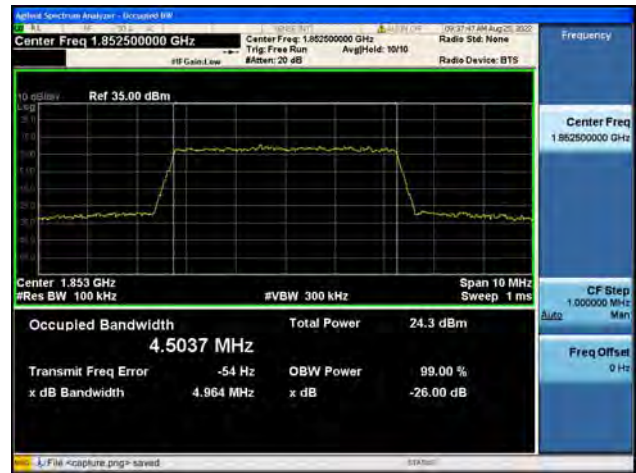




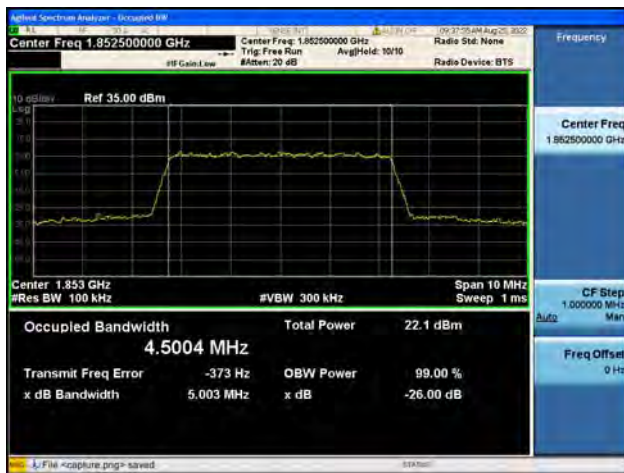
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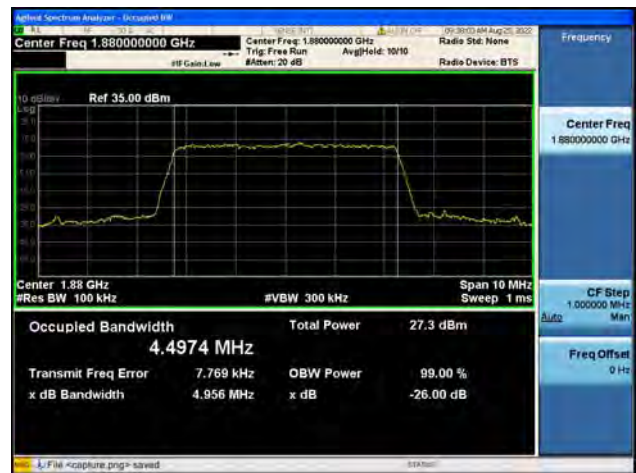
Band2 / 5MHz / 16QAM/ Low CH



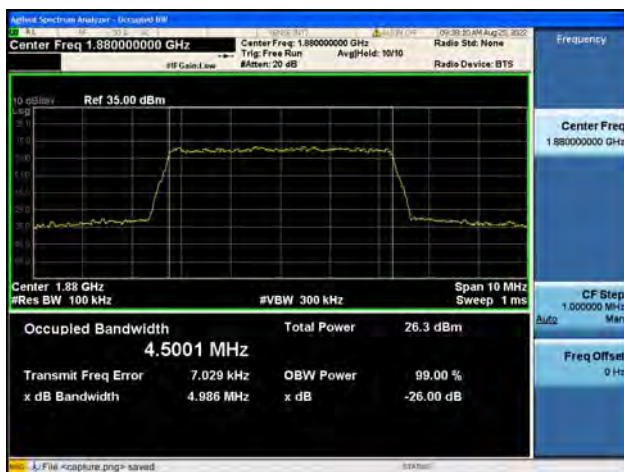
Band2 / 5MHz / 64QAM/ Low CH



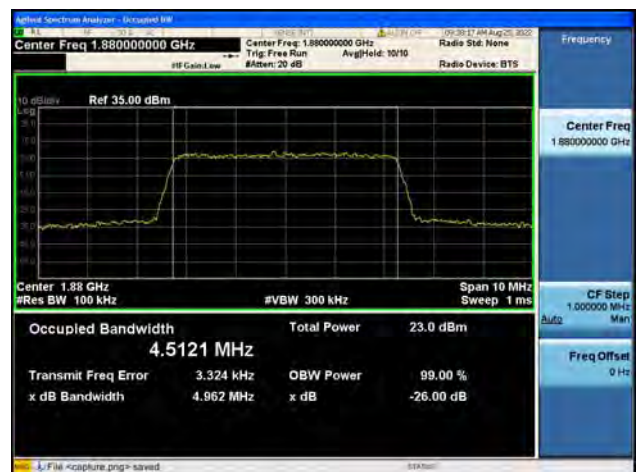
Band2 / 5MHz / QPSK/ Mid CH



Band2 / 5MHz / 16QAM/ Mid CH



Band2 / 5MHz / 64QAM/ Mid CH

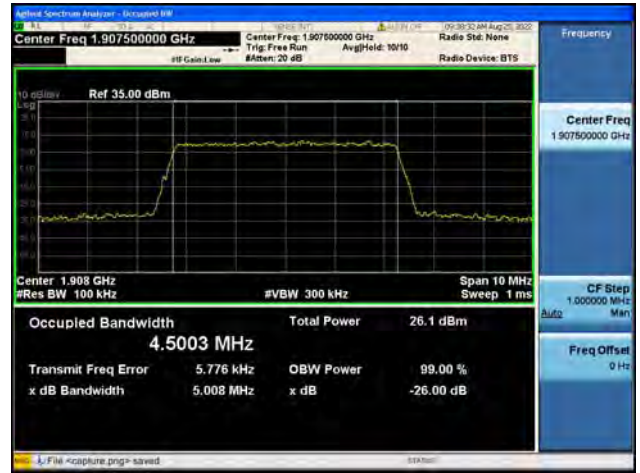




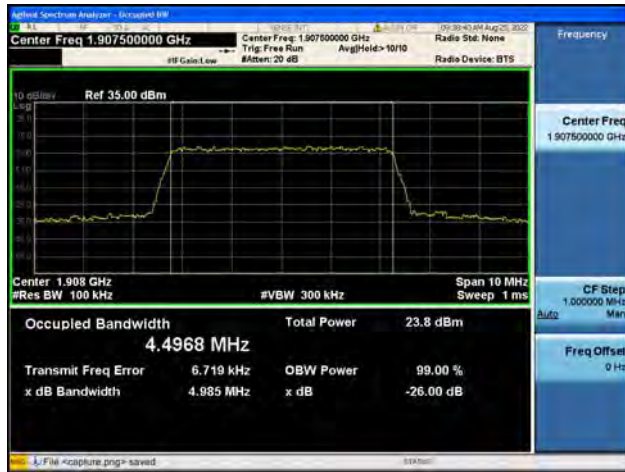
Band2 / 5MHz / QPSK/ High CH



Band2 / 5MHz / 16QAM/ High CH



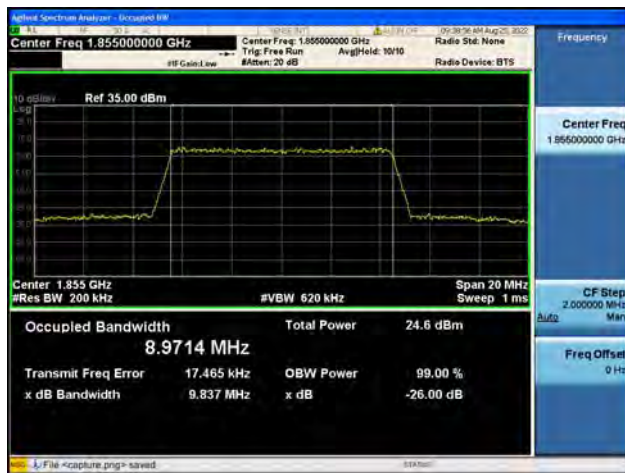
Band2 / 5MHz / 64QAM/ High CH



Band2 / 10MHz / QPSK/ Low CH



Band2 / 10MHz / 16QAM/ Low CH

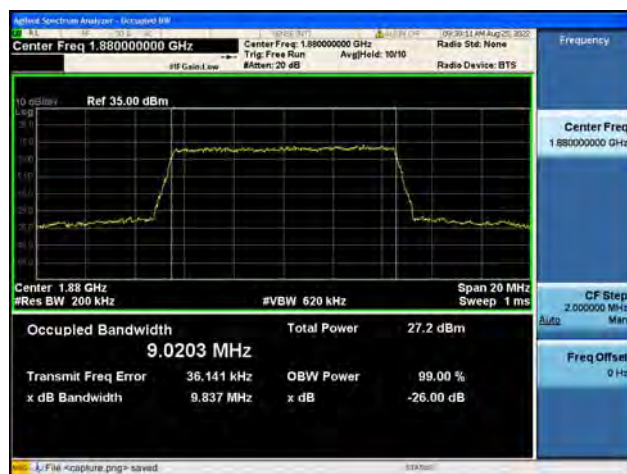


Band2 / 10MHz / 64QAM/ Low CH





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

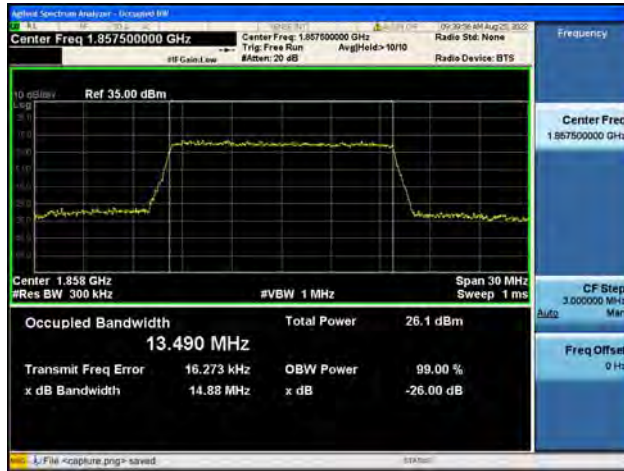


Band2 / 10MHz / 64QAM/ High CH

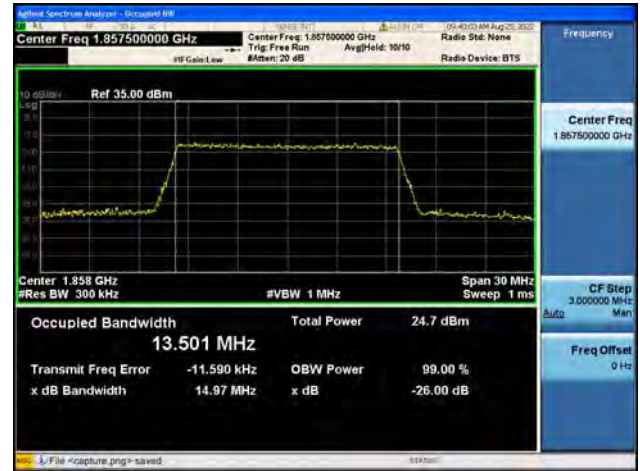




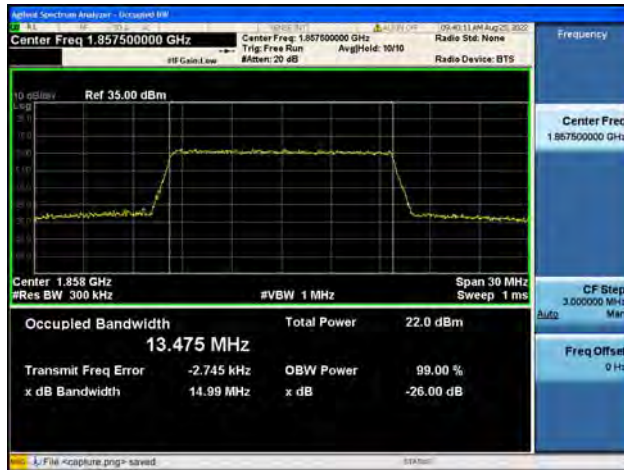
Band2 / 15MHz / QPSK/ Low CH



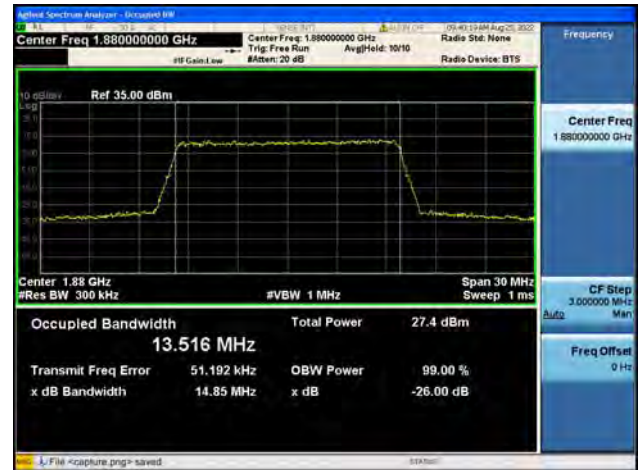
Band2 / 15MHz / 16QAM/ Low CH



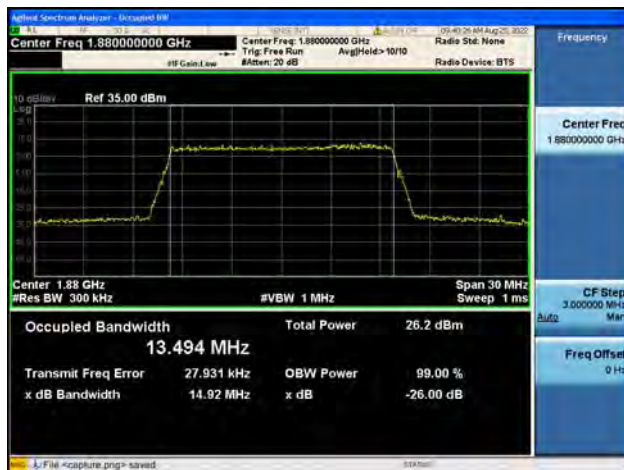
Band2 / 15MHz / 64QAM/ Low CH



Band2 / 15MHz / QPSK/ Mid CH



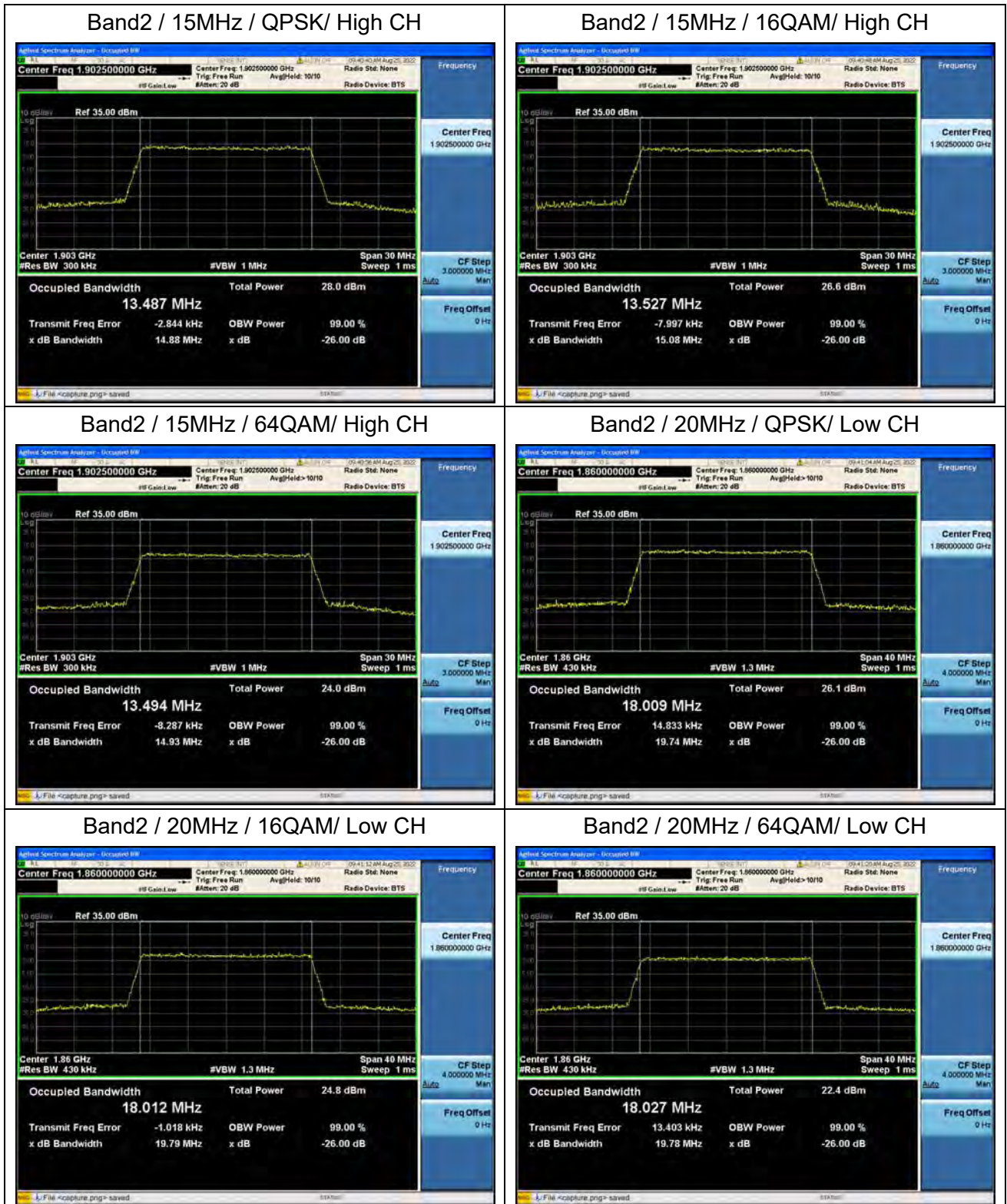
Band2 / 15MHz / 16QAM/ Mid CH



Band2 / 15MHz / 64QAM/ Mid CH





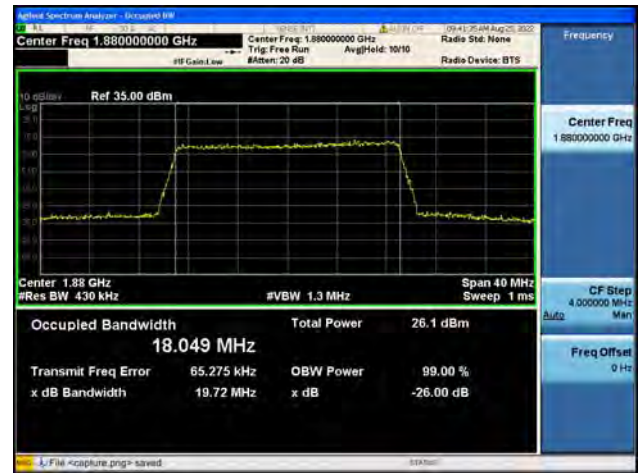




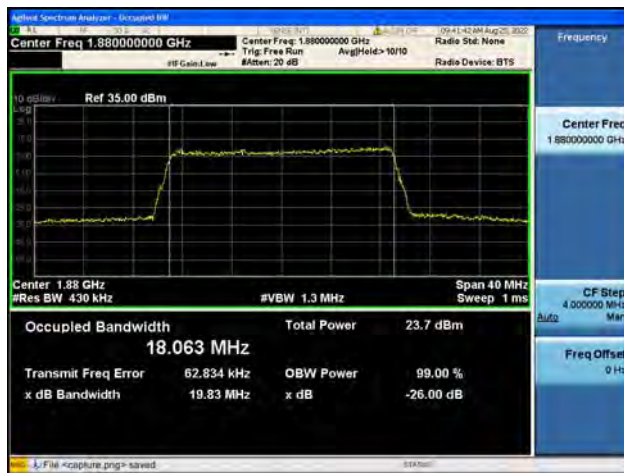
Band2 / 20MHz / QPSK/ Mid CH



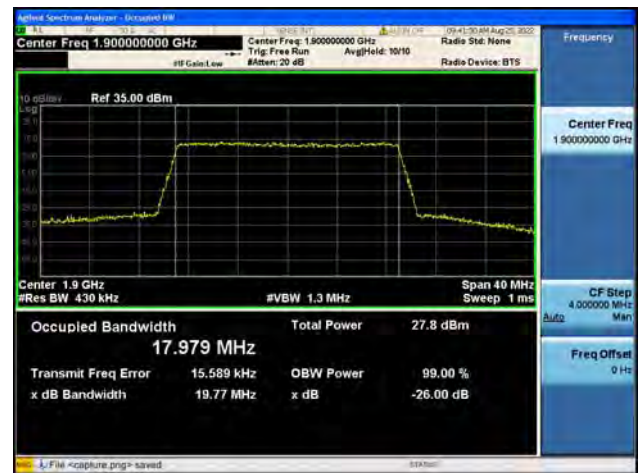
Band2 / 20MHz / 16QAM/ Mid CH



Band2 / 20MHz / 64QAM/ Mid CH



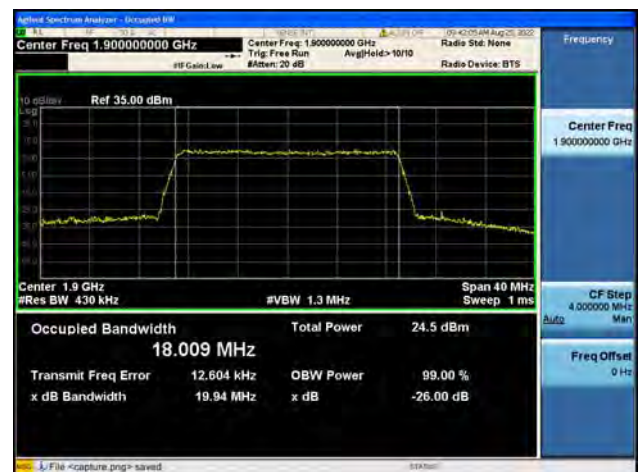
Band2 / 20MHz / QPSK/ High CH



Band2 / 20MHz / 16QAM/ High CH



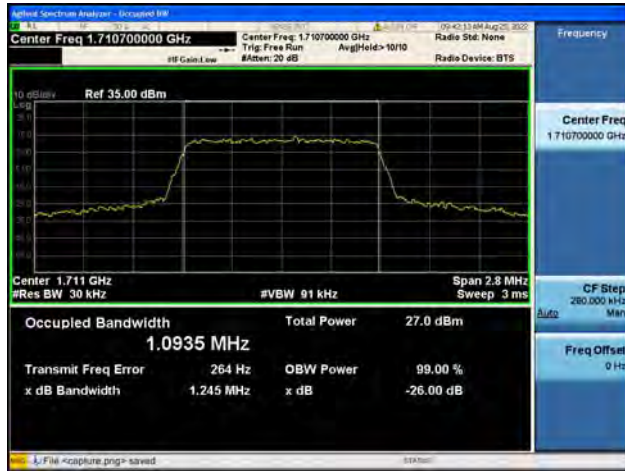
Band2 / 20MHz / 64QAM/ High CH



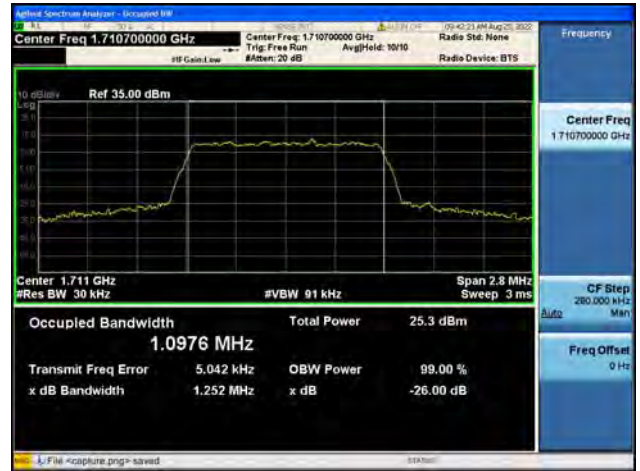




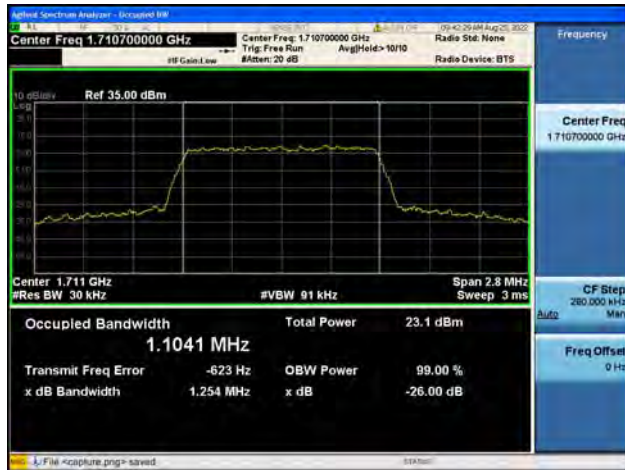
Band4 / 1.4MHz / QPSK/ Low CH



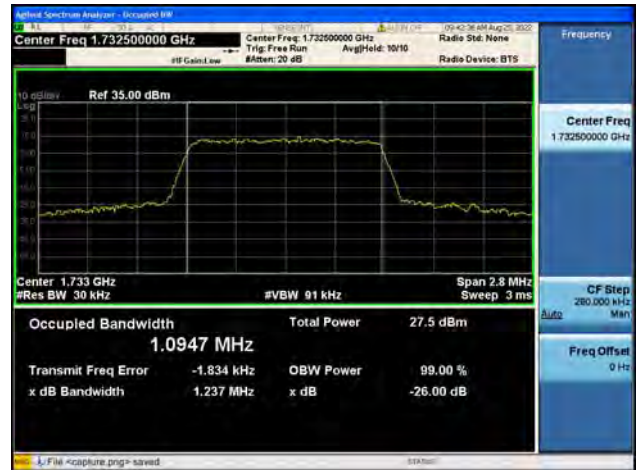
Band4 / 1.4MHz / 16QAM/ Low CH



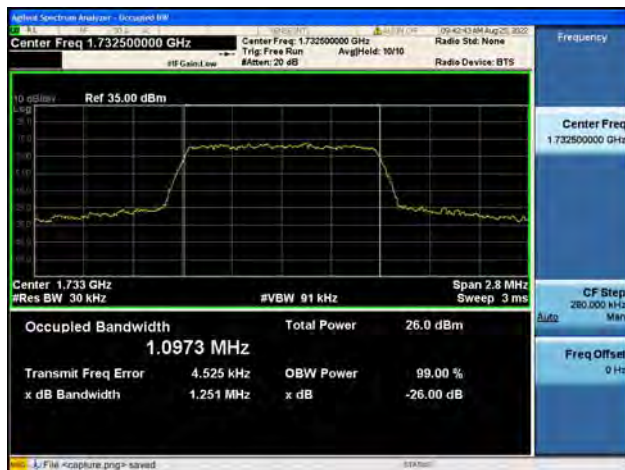
Band4 / 1.4MHz / 64QAM/ Low CH



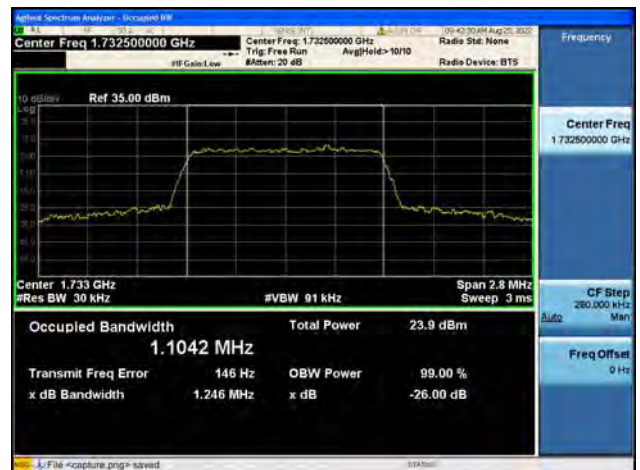
Band4 / 1.4MHz / QPSK/ Mid CH



Band4 / 1.4MHz / 16QAM/ Mid CH

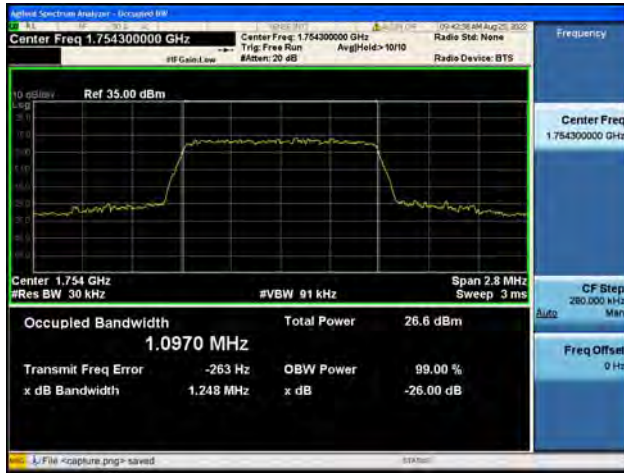


Band4 / 1.4MHz / 64QAM/ Mid CH





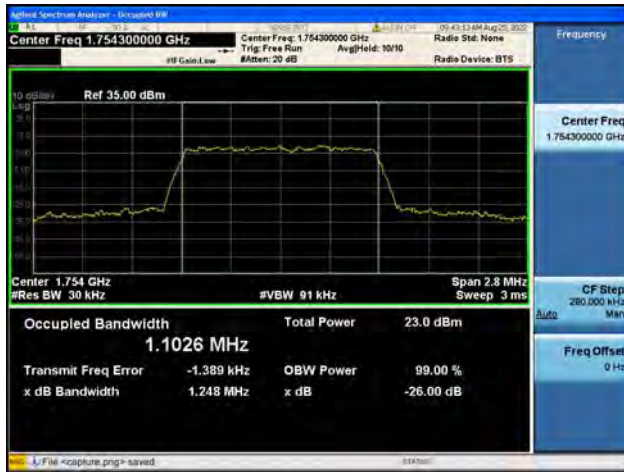
Band4 / 1.4MHz / QPSK/ High CH



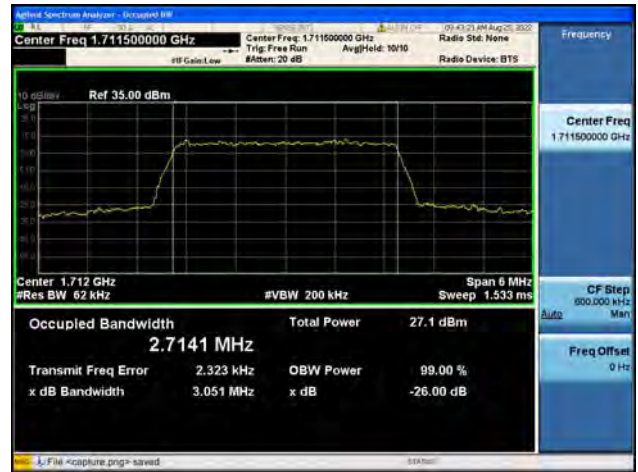
Band4 / 1.4MHz / 16QAM/ High CH



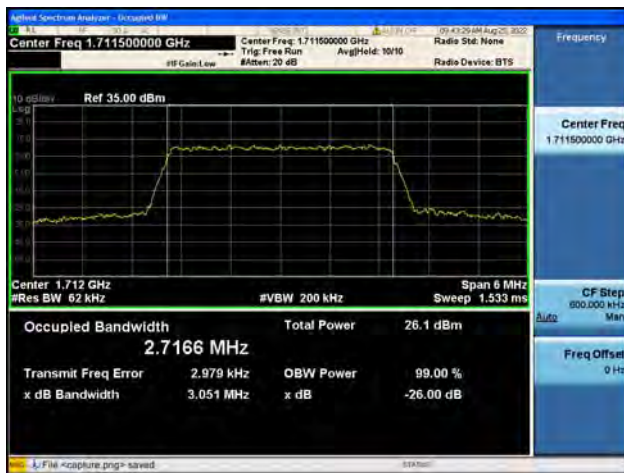
Band4 / 1.4MHz / 64QAM/ High CH



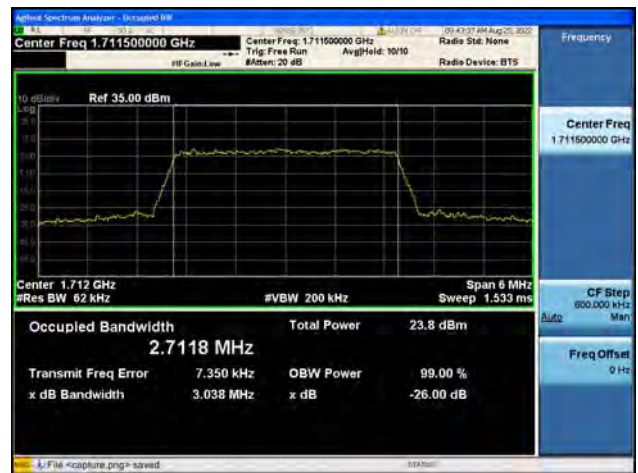
Band4 / 3MHz / QPSK/ Low CH



Band4 / 3MHz / 16QAM/ Low CH



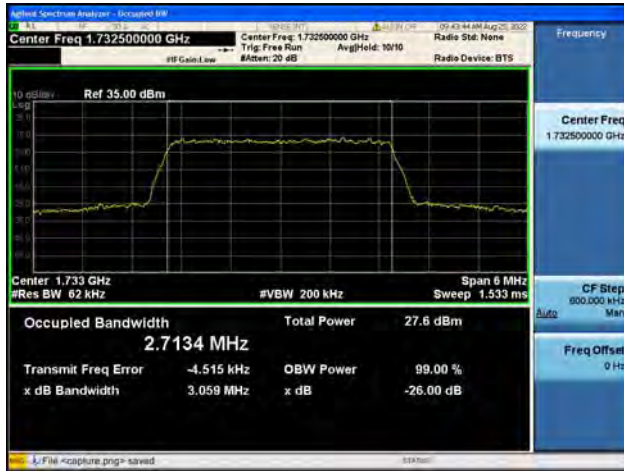
Band4 / 3MHz / 64QAM/ Low CH







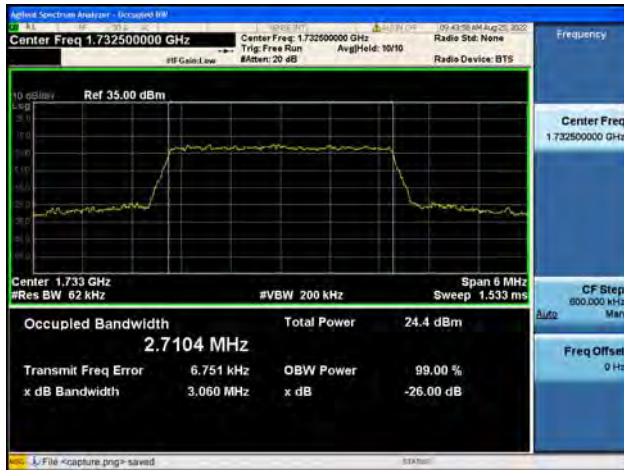
Band4 / 3MHz / QPSK/ Mid CH



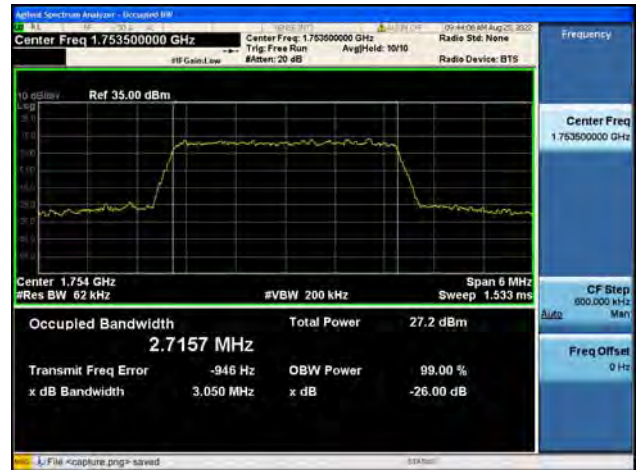
Band4 / 3MHz / 16QAM/ Mid CH



Band4 / 3MHz / 64QAM/ Mid CH



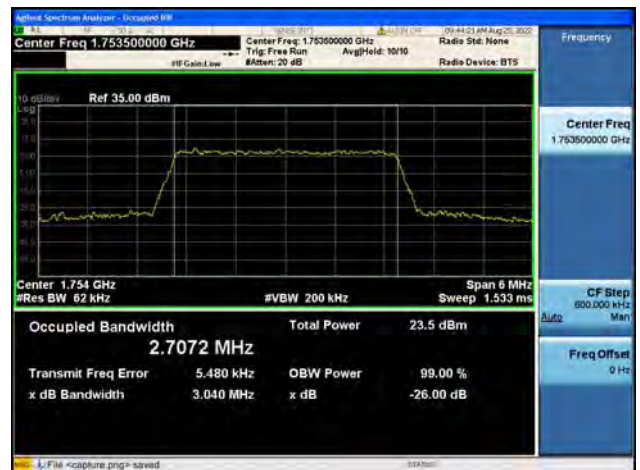
Band4 / 3MHz / QPSK/ High CH



Band4 / 3MHz / 16QAM/ High CH



Band4 / 3MHz / 64QAM/ High CH

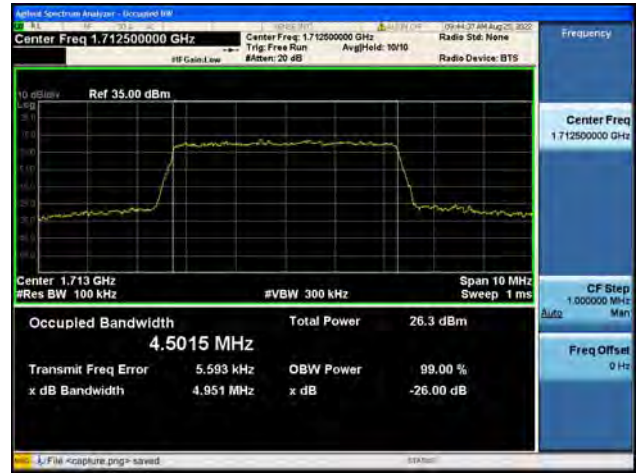




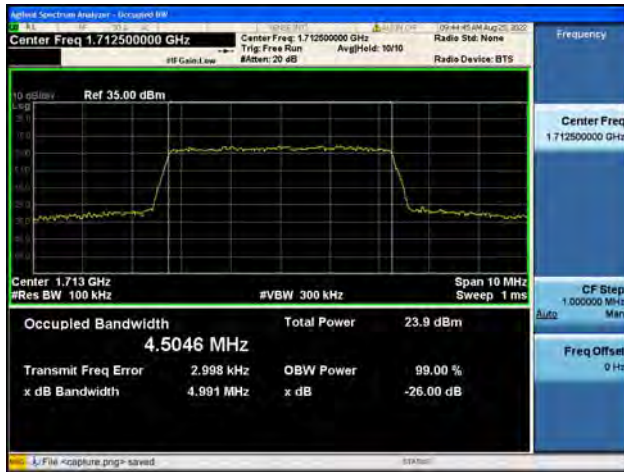
Band4 / 5MHz / QPSK/ Low CH



Band4 / 5MHz / 16QAM/ Low CH



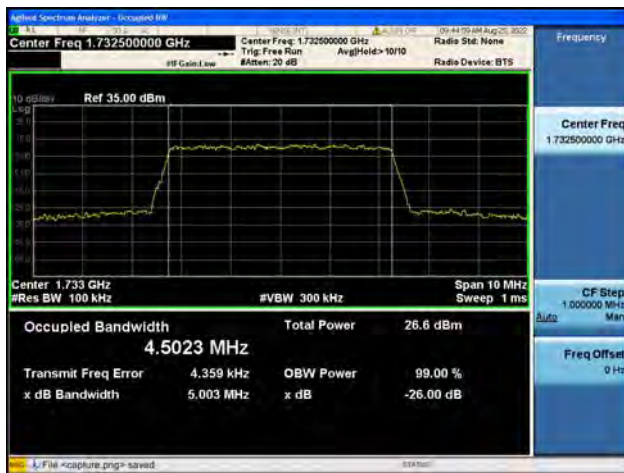
Band4 / 5MHz / 64QAM/ Low CH



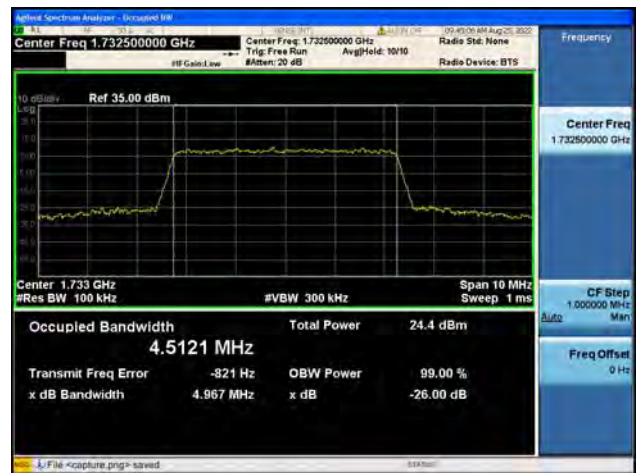
Band4 / 5MHz / QPSK/ Mid CH



Band4 / 5MHz / 16QAM/ Mid CH



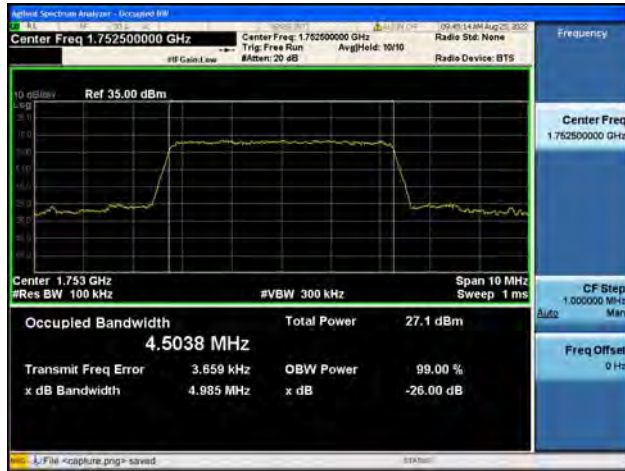
Band4 / 5MHz / 64QAM/ Mid CH







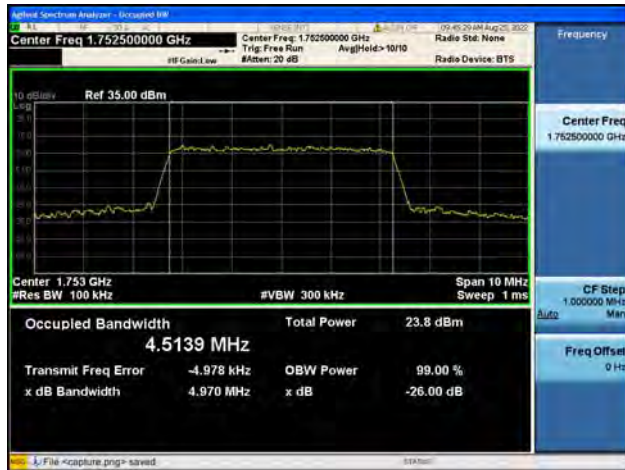
Band4 / 5MHz / QPSK/ High CH



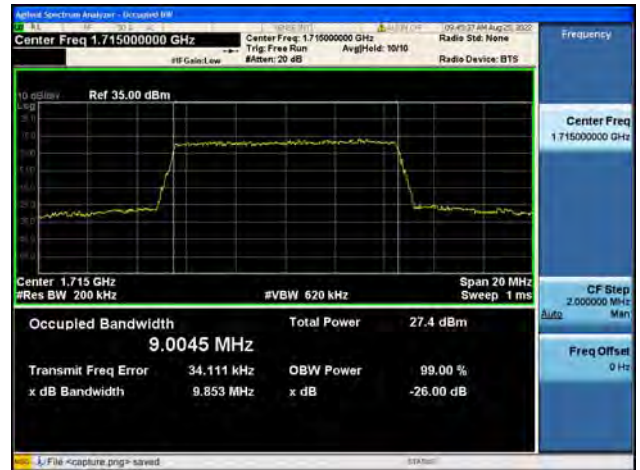
Band4 / 5MHz / 16QAM/ High CH



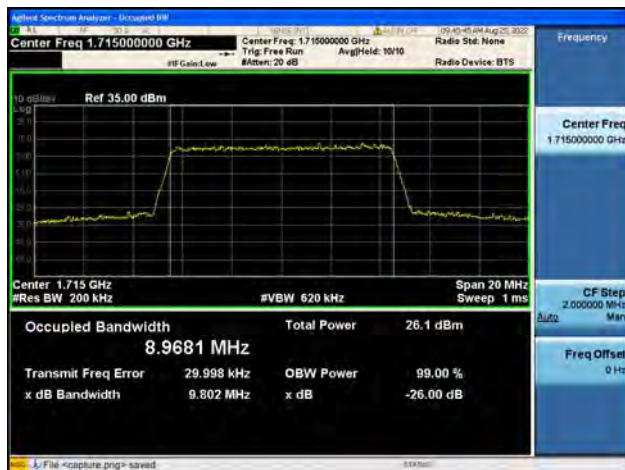
Band4 / 5MHz / 64QAM/ High CH



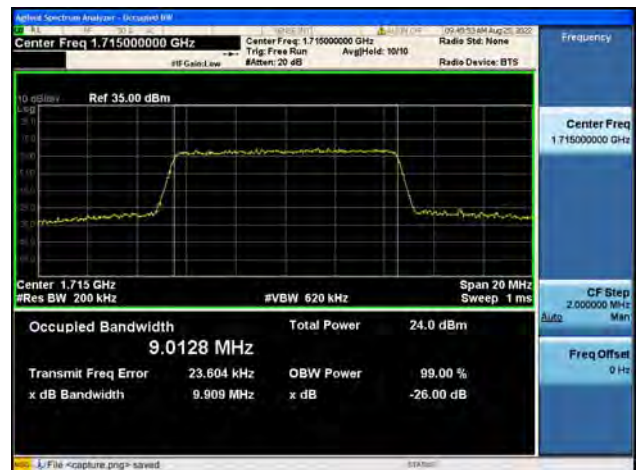
Band4 / 10MHz / QPSK/ Low CH



Band4 / 10MHz / 16QAM/ Low CH



Band4 / 10MHz / 64QAM/ Low CH

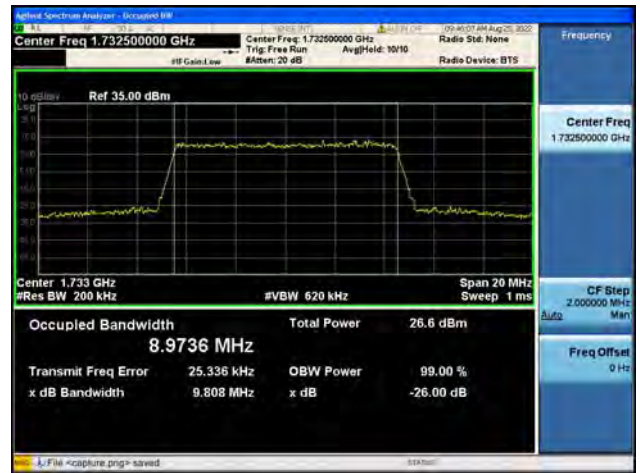




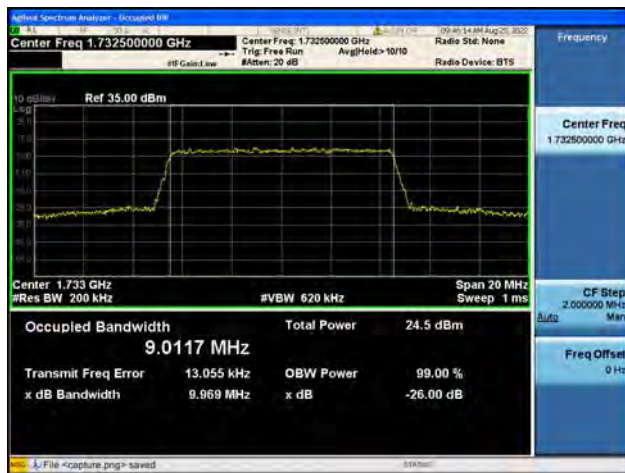
Band4 / 10MHz / QPSK/ Mid CH



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



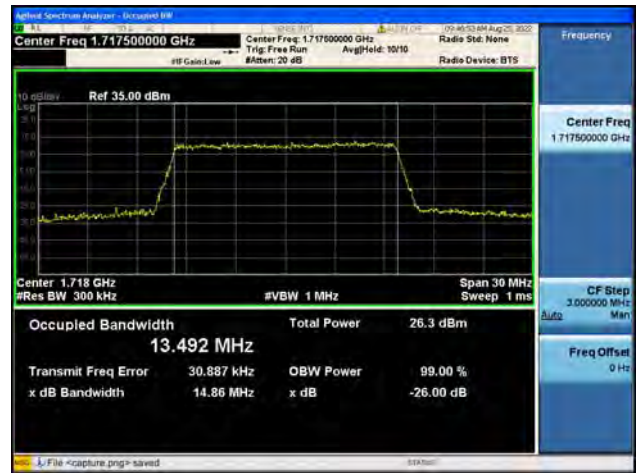




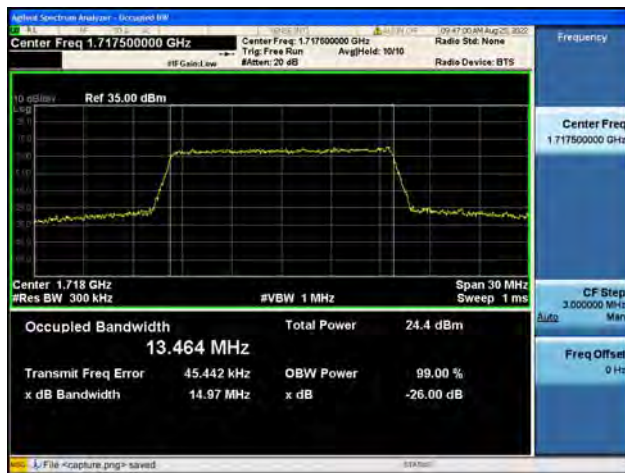
Band4 / 15MHz / QPSK/ Low CH



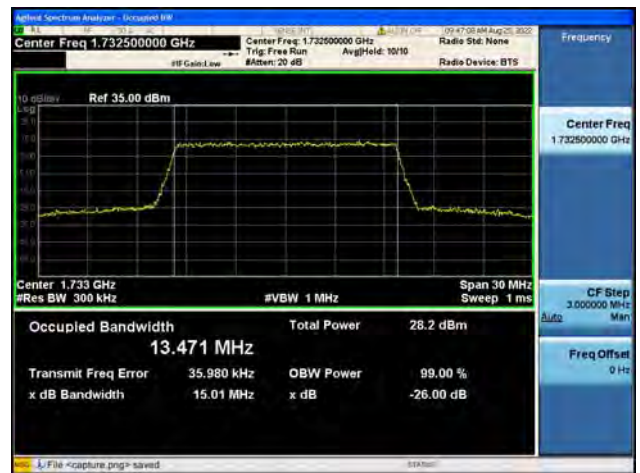
Band4 / 15MHz / 16QAM/ Low CH



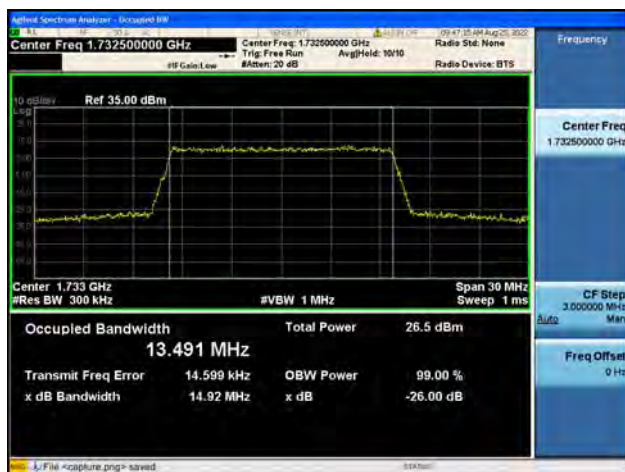
Band4 / 15MHz / 64QAM/ Low CH



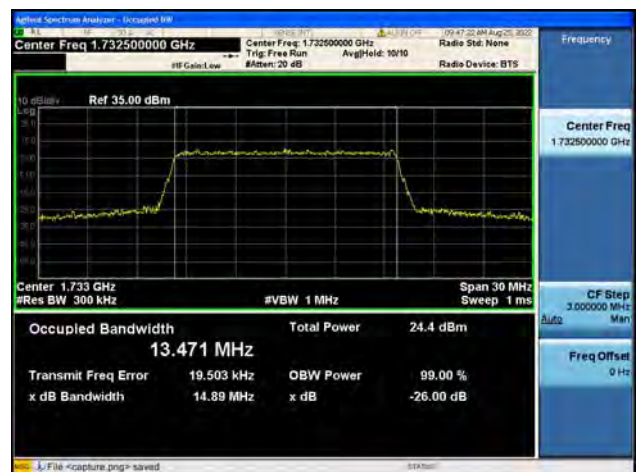
Band4 / 15MHz / QPSK/ Mid CH



Band4 / 15MHz / 16QAM/ Mid CH



Band4 / 15MHz / 64QAM/ Mid CH





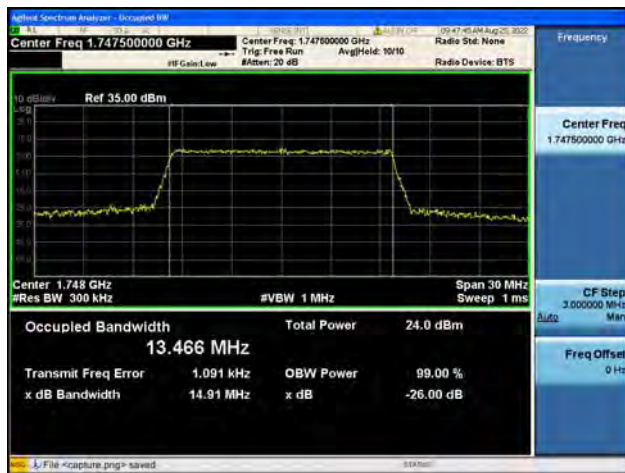
Band4 / 15MHz / QPSK/ High CH



Band4 / 15MHz / 16QAM/ High CH



Band4 / 15MHz / 64QAM/ High CH



Band4 / 20MHz / QPSK/ Low CH



Band4 / 20MHz / 16QAM/ Low CH



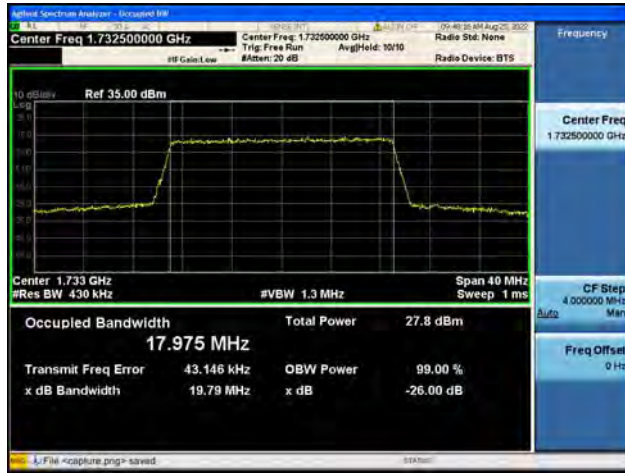
Band4 / 20MHz / 64QAM/ Low CH







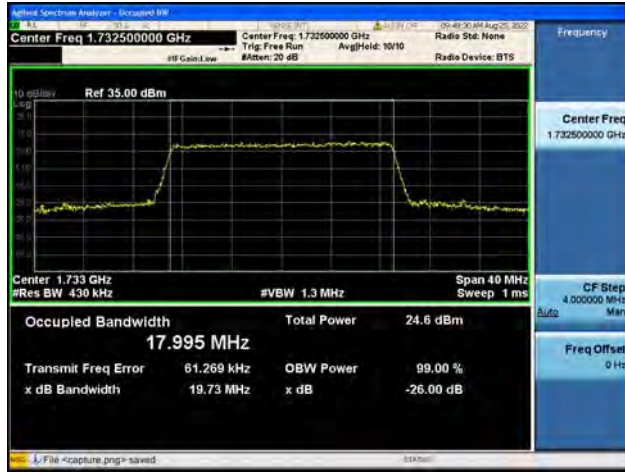
Band4 / 20MHz / QPSK/ Mid CH



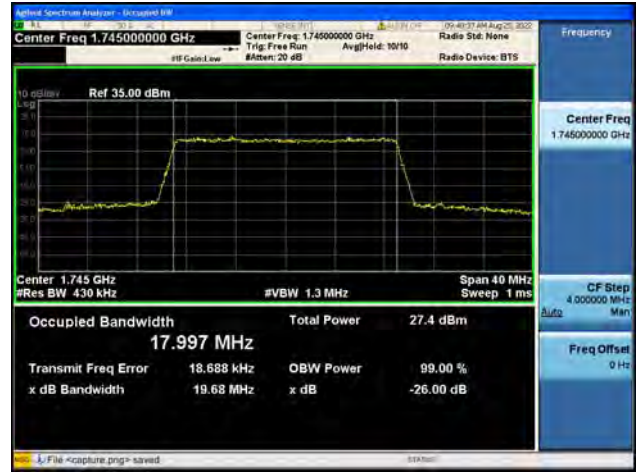
Band4 / 20MHz / 16QAM/ Mid CH



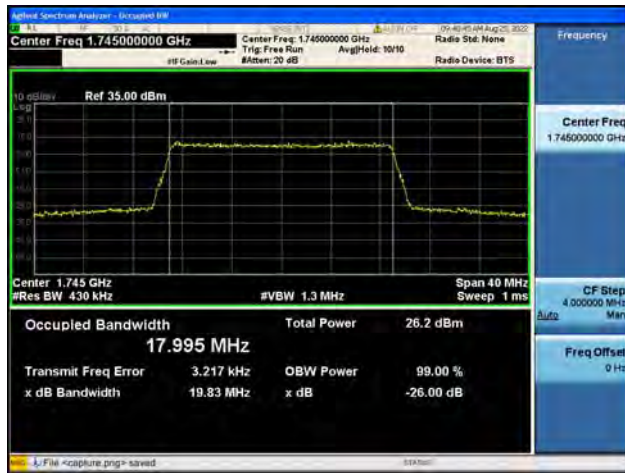
Band4 / 20MHz / 64QAM/ Mid CH



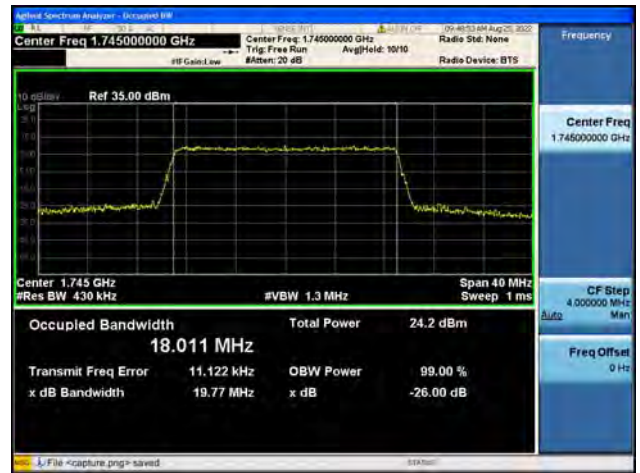
Band4 / 20MHz / QPSK/ High CH



Band4 / 20MHz / 16QAM/ High CH

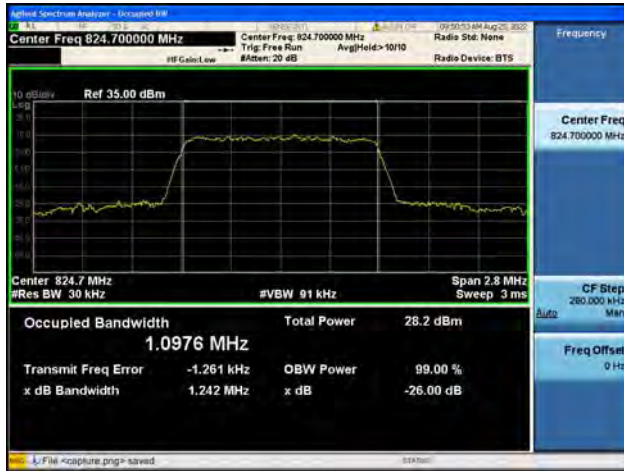


Band4 / 20MHz / 64QAM/ High CH

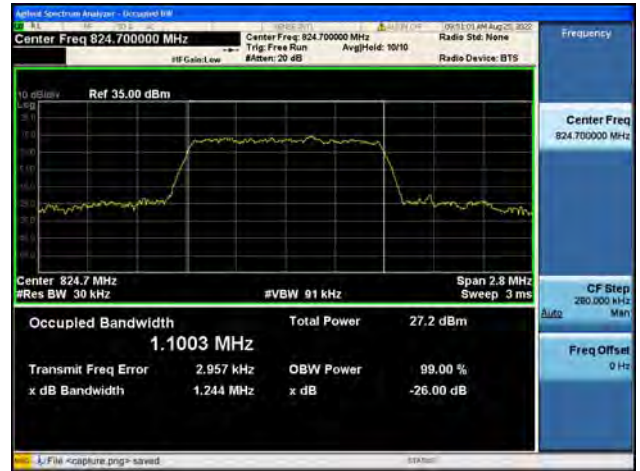




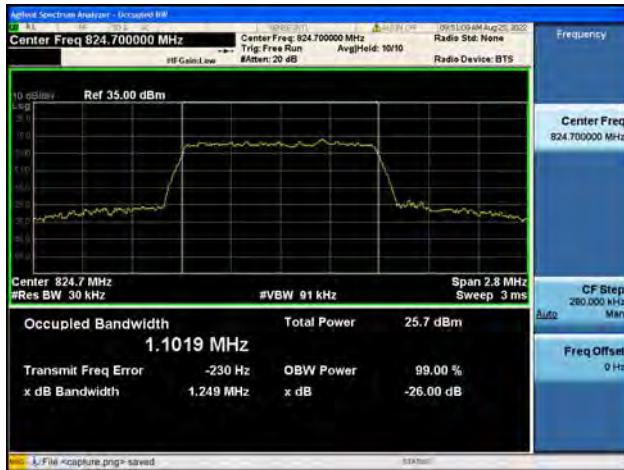
Band5 / 1.4MHz / QPSK/ Low CH



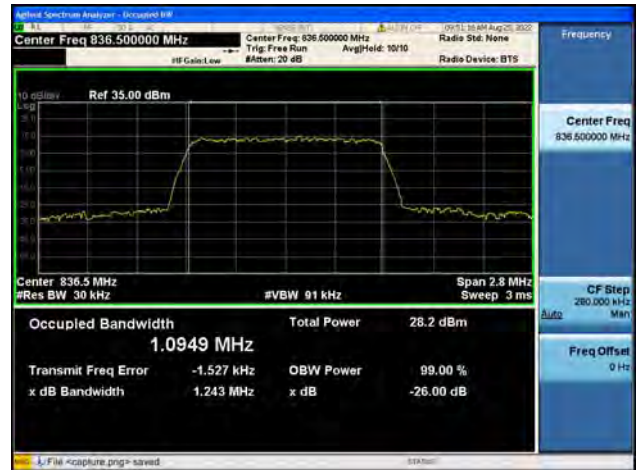
Band5 / 1.4MHz / 16QAM/ Low CH



Band5 / 1.4MHz / 64QAM/ Low CH



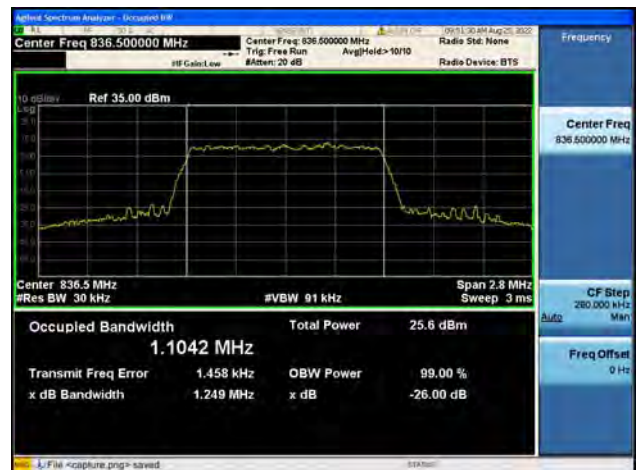
Band5 / 1.4MHz / QPSK/ Mid CH



Band5 / 1.4MHz / 16QAM/ Mid CH



Band5 / 1.4MHz / 64QAM/ Mid CH



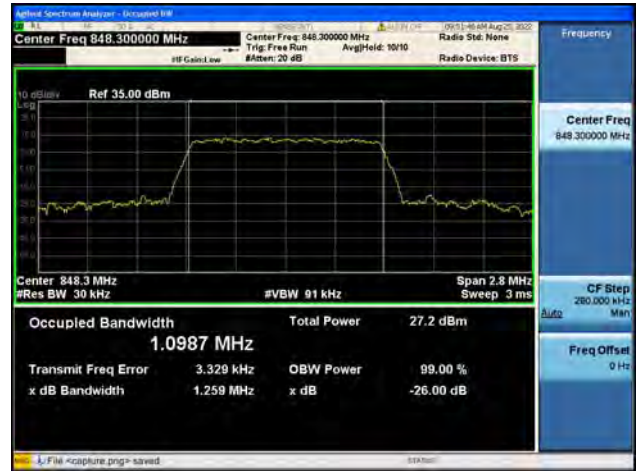




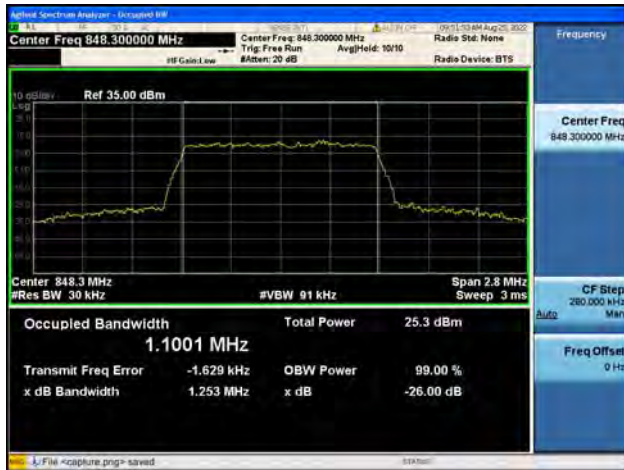
Band5 / 1.4MHz / QPSK/ High CH



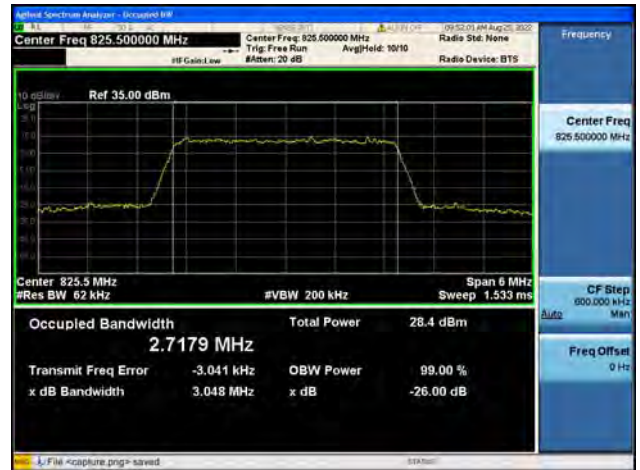
Band5 / 1.4MHz / 16QAM/ High CH



Band5 / 1.4MHz / 64QAM/ High CH



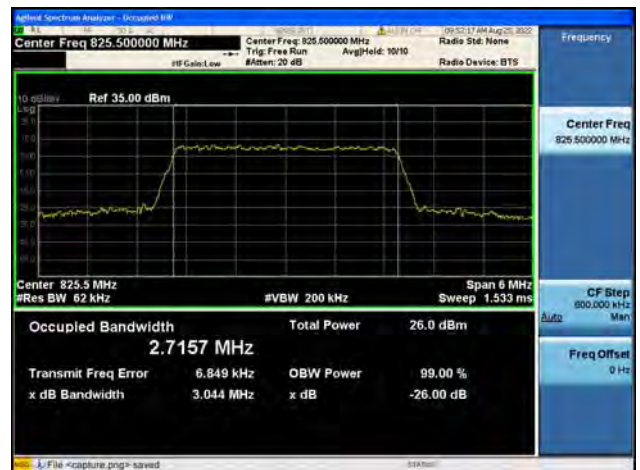
Band5 / 3MHz / QPSK/ Low CH



Band5 / 3MHz / 16QAM/ Low CH

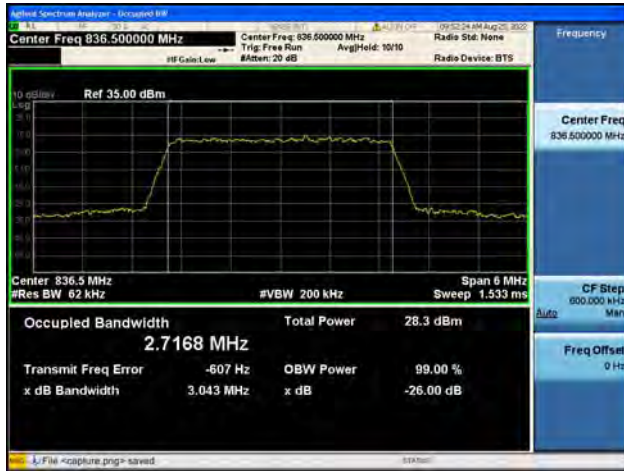


Band5 / 3MHz / 64QAM/ Low CH





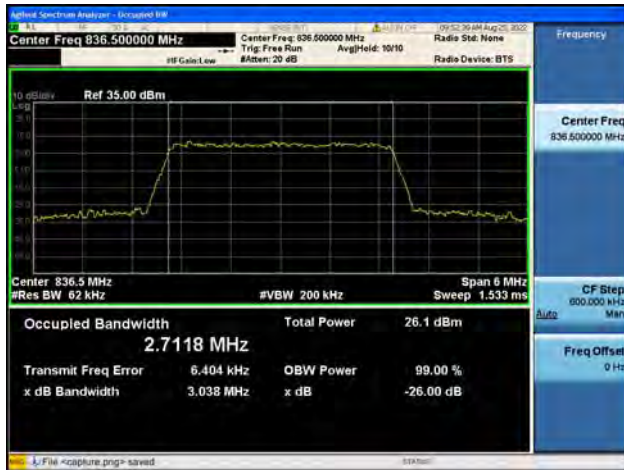
Band5 / 3MHz / QPSK/ Mid CH



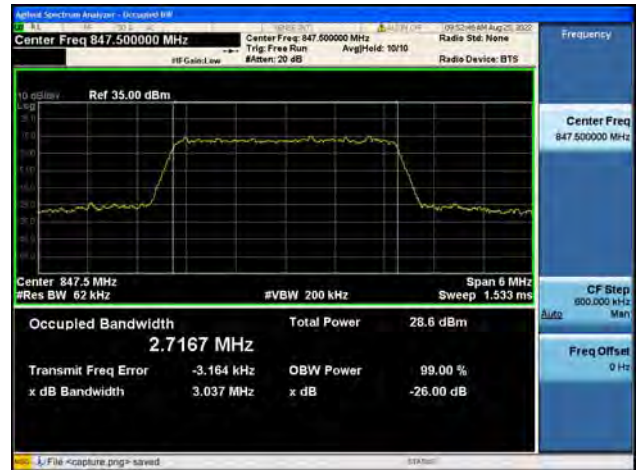
Band5 / 3MHz / 16QAM/ Mid CH



Band5 / 3MHz / 64QAM/ Mid CH



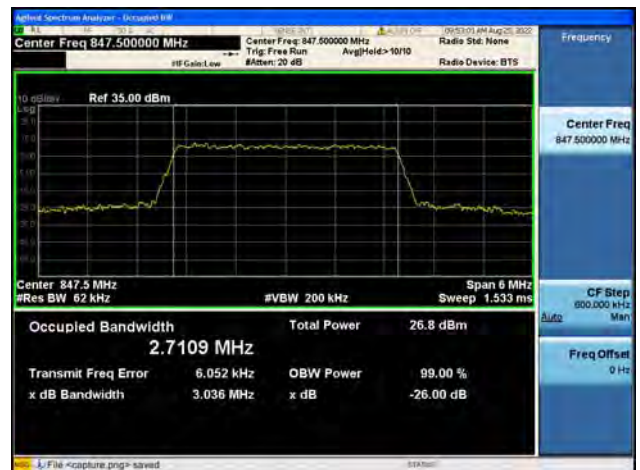
Band5 / 3MHz / QPSK/ High CH



Band5 / 3MHz / 16QAM/ High CH



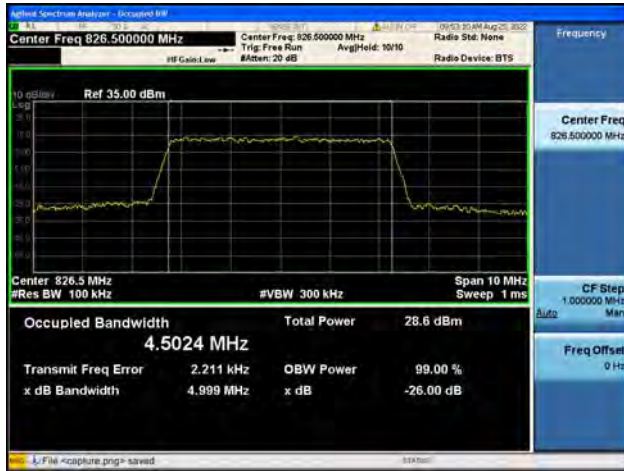
Band5 / 3MHz / 64QAM/ High CH







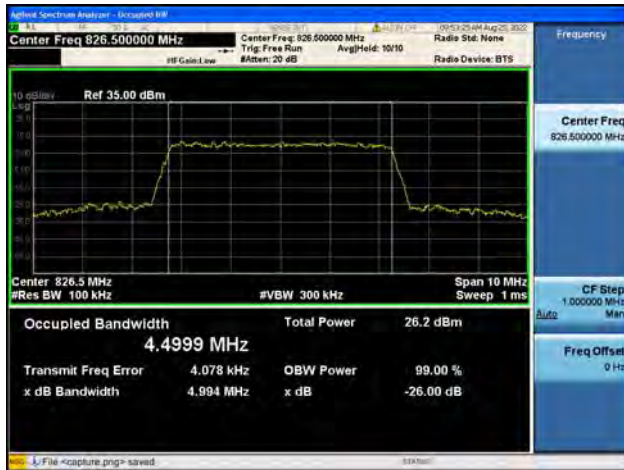
Band5 / 5MHz / QPSK/ Low CH



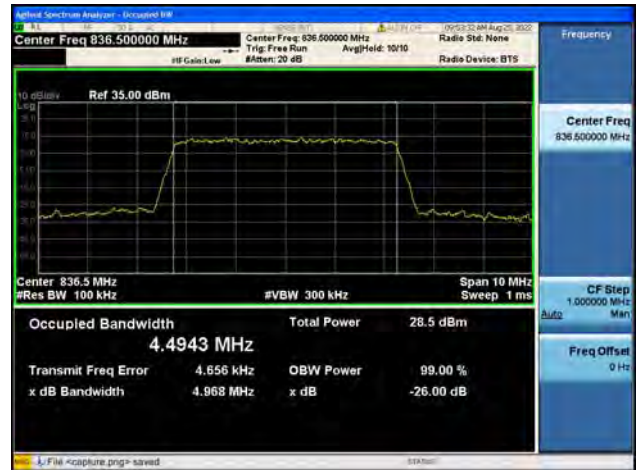
Band5 / 5MHz / 16QAM/ Low CH



Band5 / 5MHz / 64QAM/ Low CH



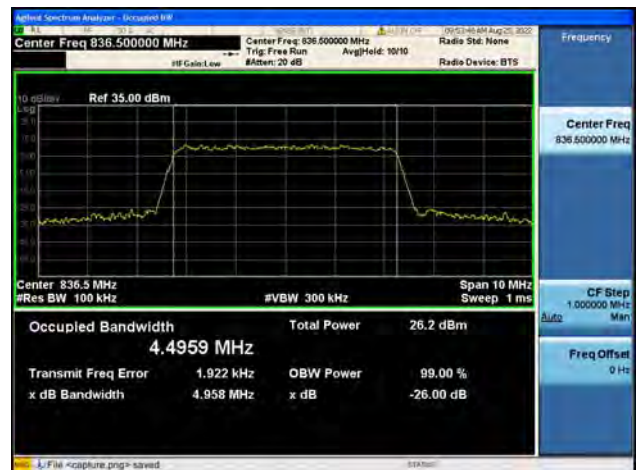
Band5 / 5MHz / QPSK/ Mid CH



Band5 / 5MHz / 16QAM/ Mid CH

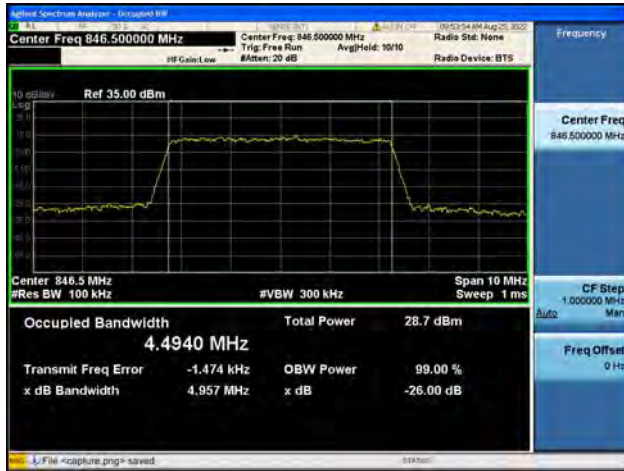


Band5 / 5MHz / 64QAM/ Mid CH





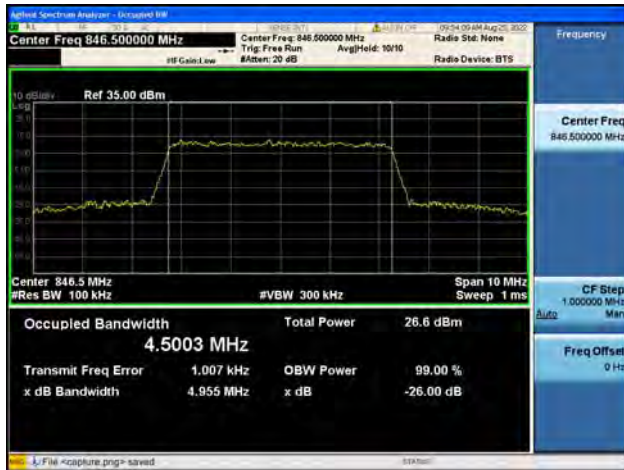
Band5 / 5MHz / QPSK/ High CH



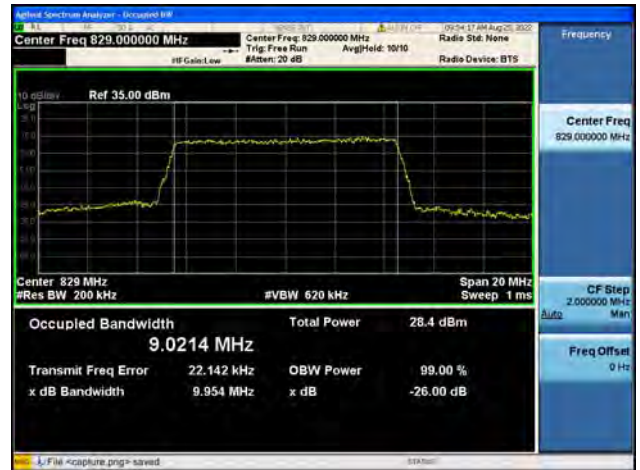
Band5 / 5MHz / 16QAM/ High CH



Band5 / 5MHz / 64QAM/ High CH



Band5 / 10MHz / QPSK/ Low CH



Band5 / 10MHz / 16QAM/ Low CH



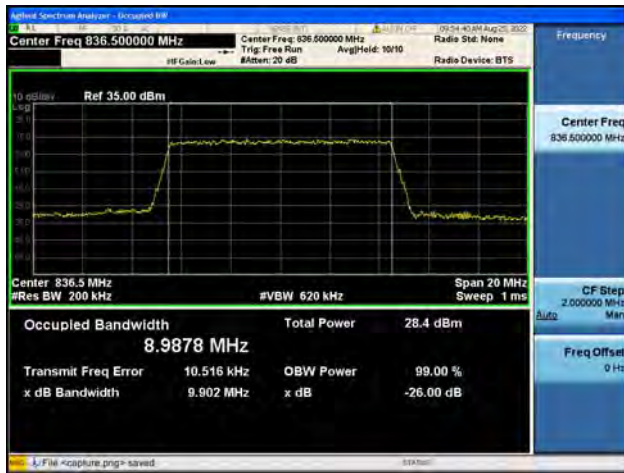
Band5 / 10MHz / 64QAM/ Low CH



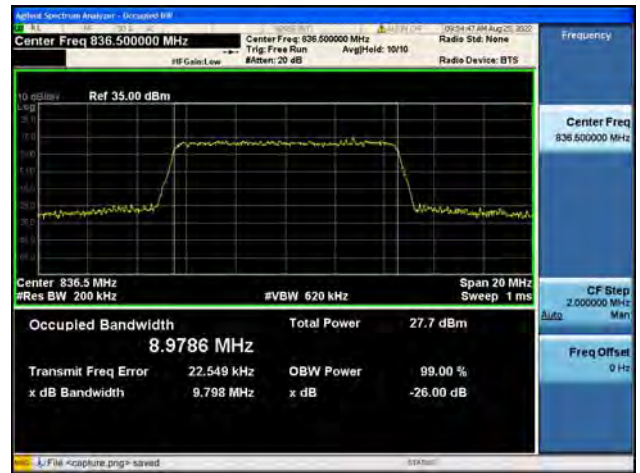




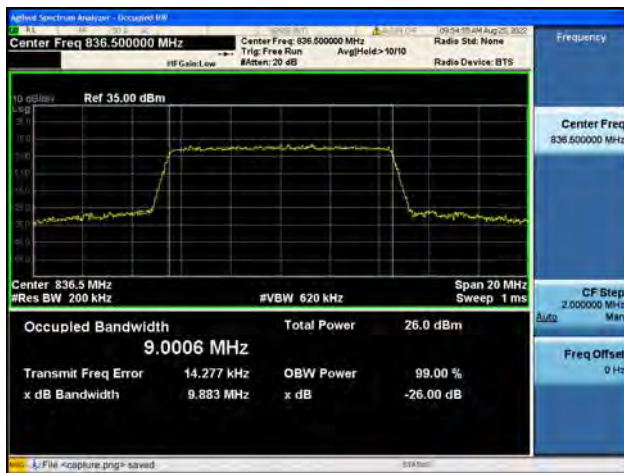
Band5 / 10MHz / QPSK/ Mid CH



Band5 / 10MHz / 16QAM/ Mid CH



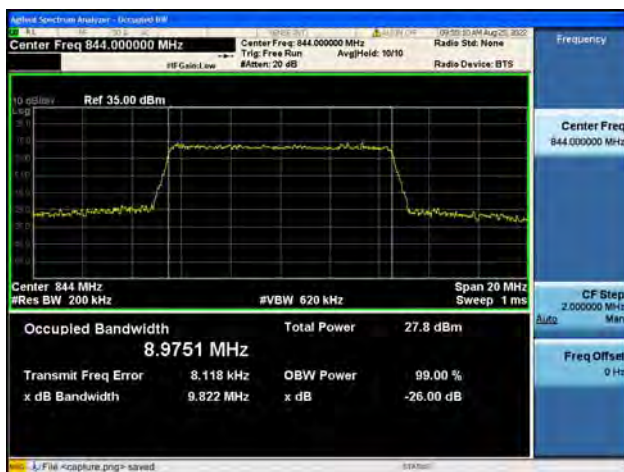
Band5 / 10MHz / 64QAM/ Mid CH



Band5 / 10MHz / QPSK/ High CH



Band5 / 10MHz / 16QAM/ High CH

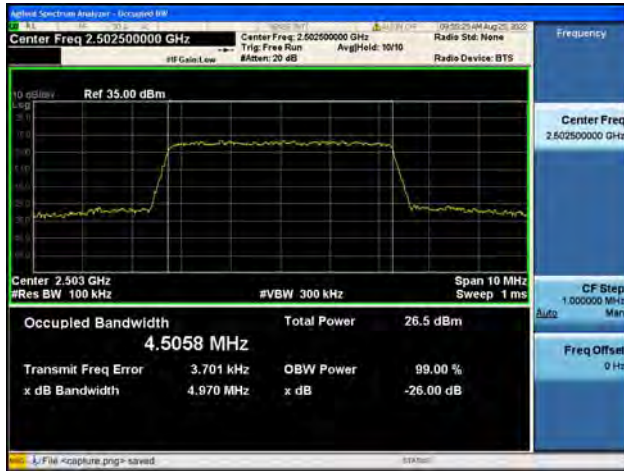


Band5 / 10MHz / 64QAM/ High CH





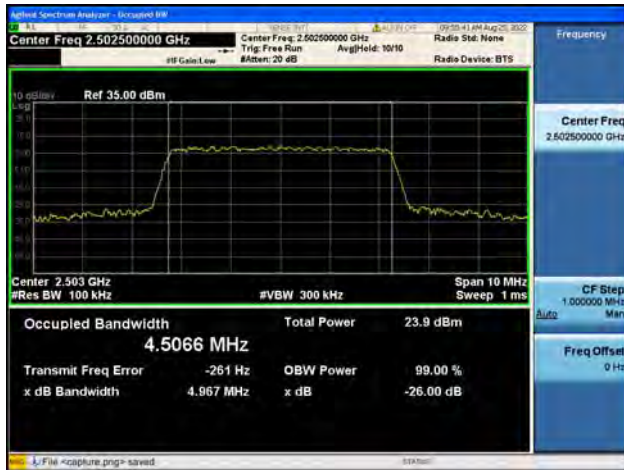
Band7 / 5MHz / QPSK/ Low CH



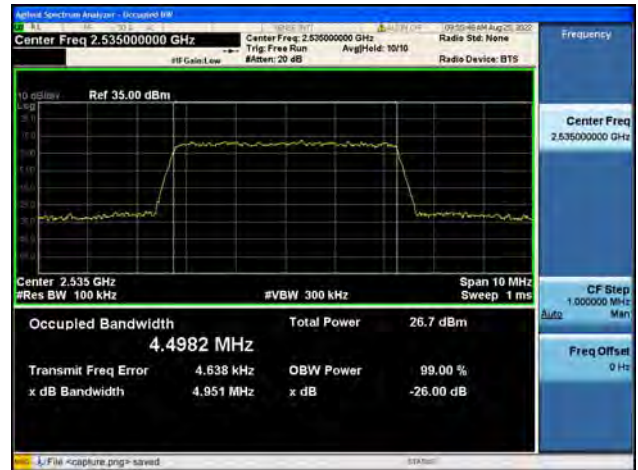
Band7 / 5MHz / 16QAM/ Low CH



Band7 / 5MHz / 64QAM/ Low CH



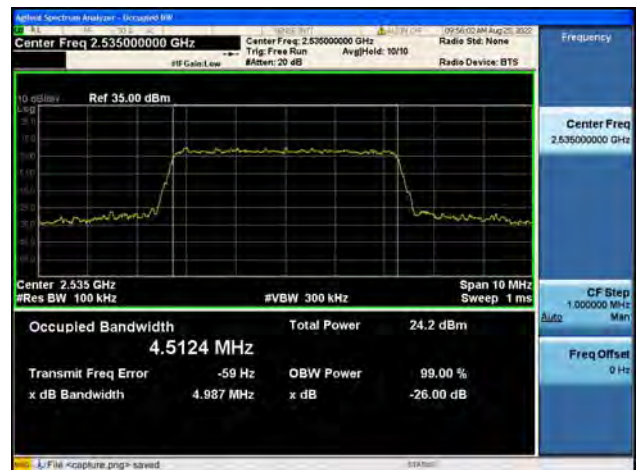
Band7 / 5MHz / QPSK/ Mid CH



Band7 / 5MHz / 16QAM/ Mid CH



Band7 / 5MHz / 64QAM/ Mid CH



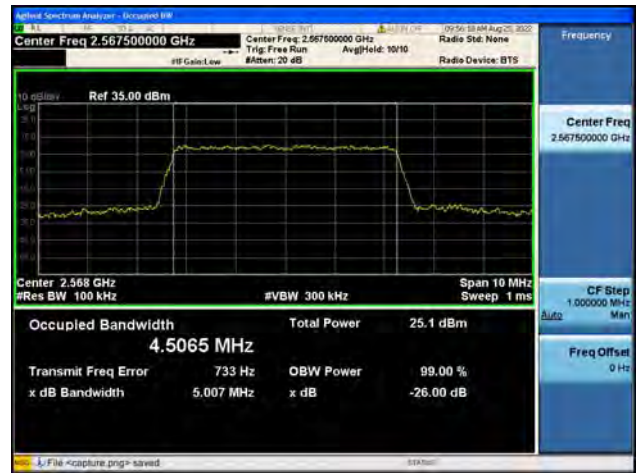




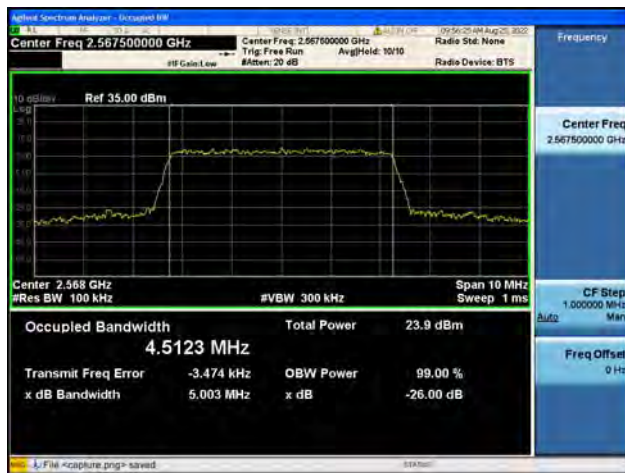
Band7 / 5MHz / QPSK/ High CH



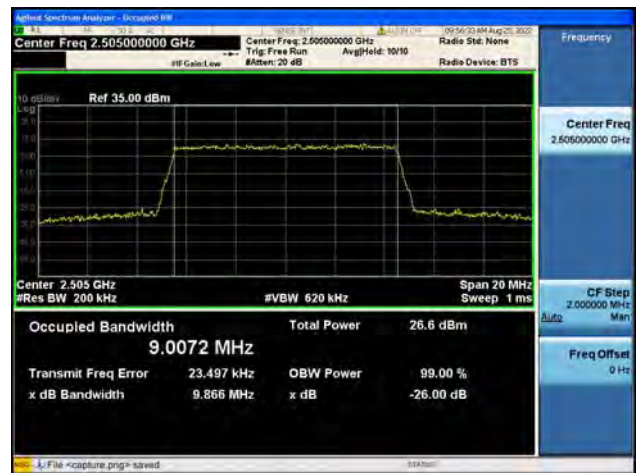
Band7 / 5MHz / 16QAM/ High CH



Band7 / 5MHz / 64QAM/ High CH



Band7 / 10MHz / QPSK/ Low CH



Band7 / 10MHz / 16QAM/ Low CH

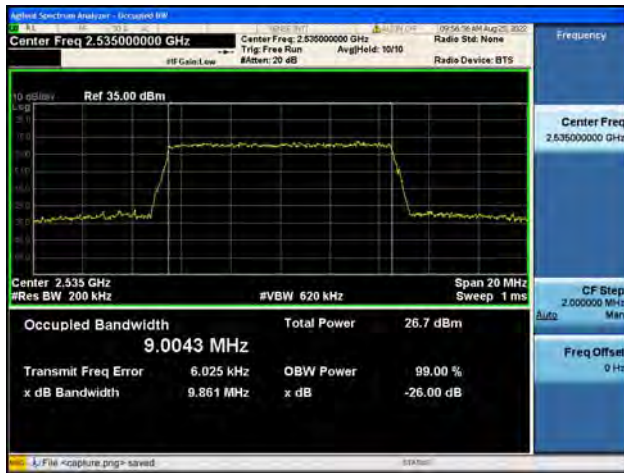


Band7 / 10MHz / 64QAM/ Low CH

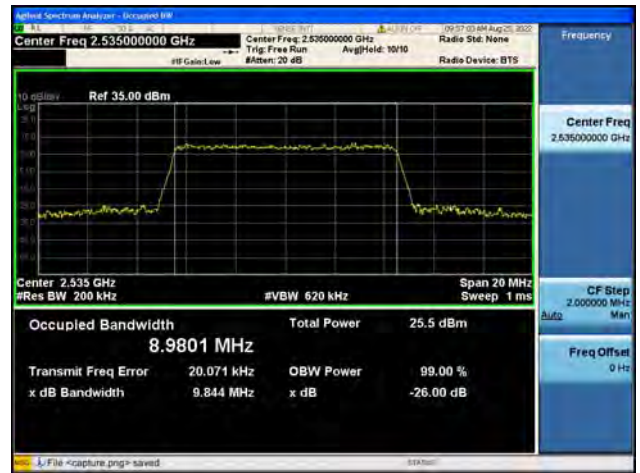




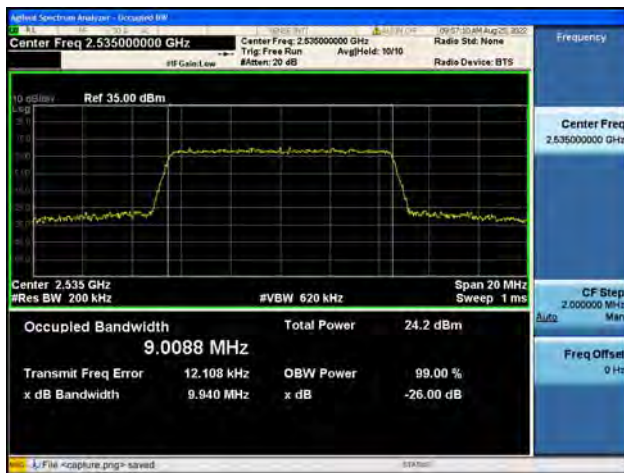
Band7 / 10MHz / QPSK/ Mid CH



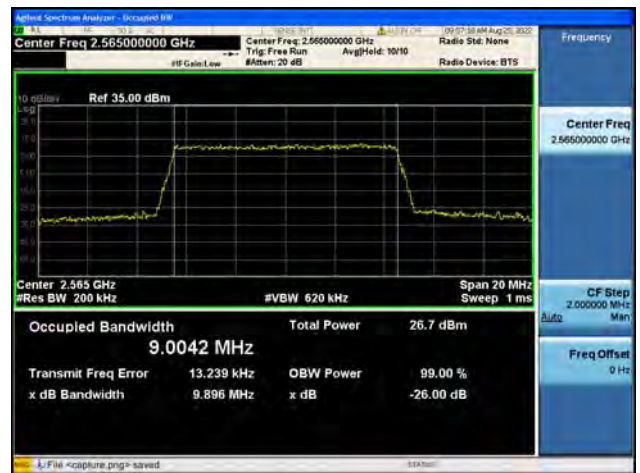
Band7 / 10MHz / 16QAM/ Mid CH



Band7 / 10MHz / 64QAM/ Mid CH



Band7 / 10MHz / QPSK/ High CH



Band7 / 10MHz / 16QAM/ High CH



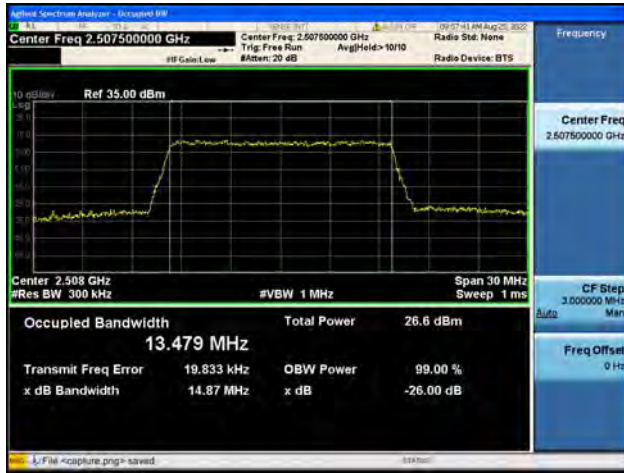
Band7 / 10MHz / 64QAM/ High CH







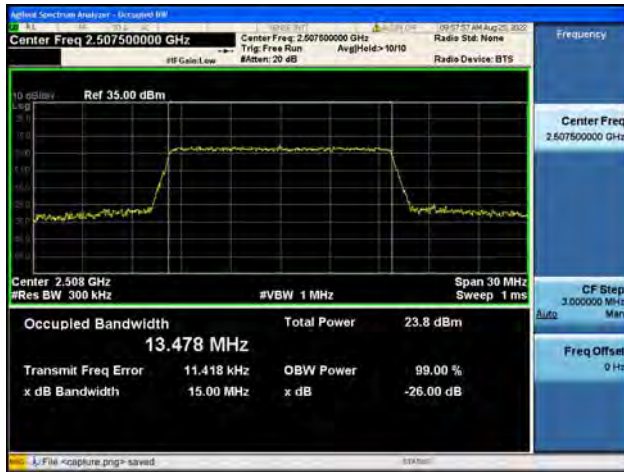
Band7 / 15MHz / QPSK/ Low CH



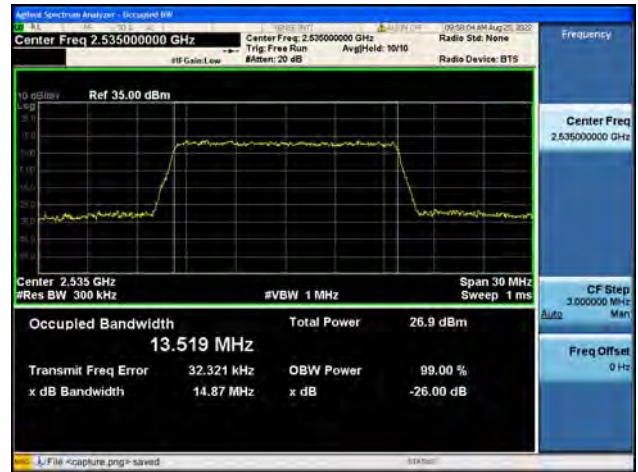
Band7 / 15MHz / 16QAM/ Low CH



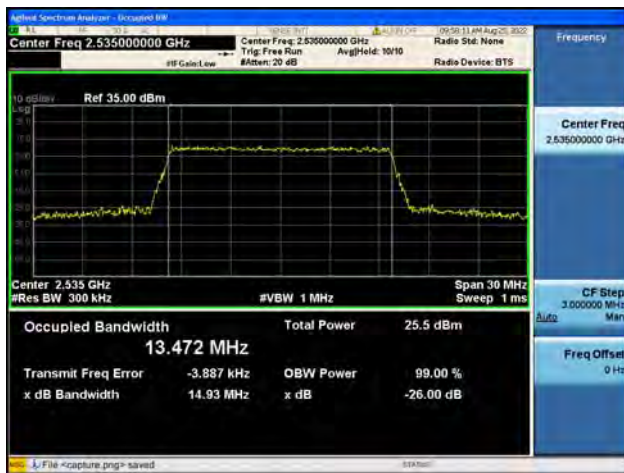
Band7 / 15MHz / 64QAM/ Low CH



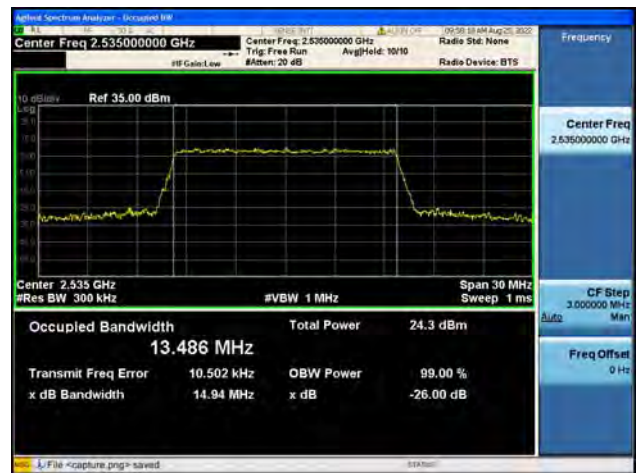
Band7 / 15MHz / QPSK/ Mid CH



Band7 / 15MHz / 16QAM/ Mid CH

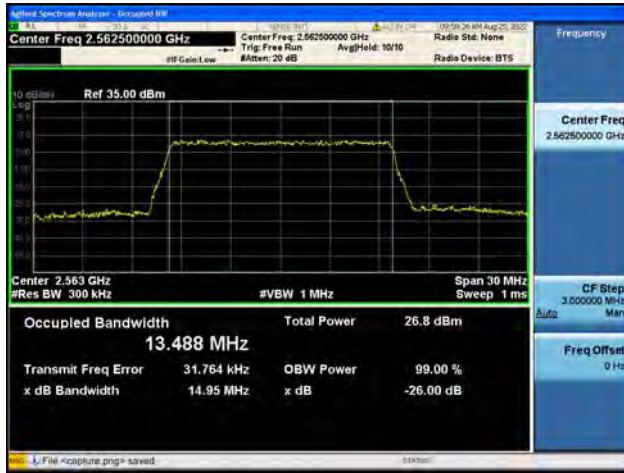


Band7 / 15MHz / 64QAM/ Mid CH

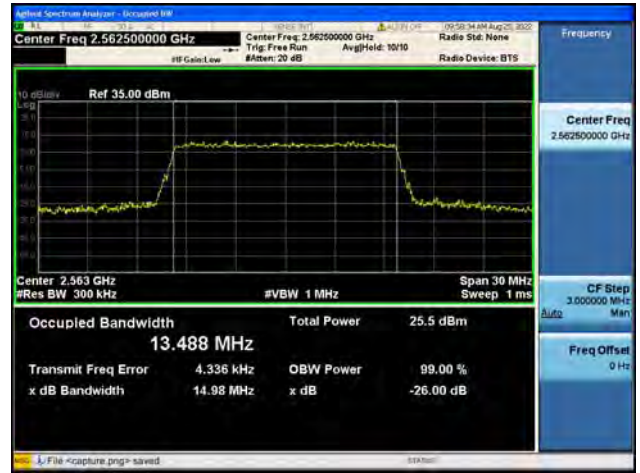




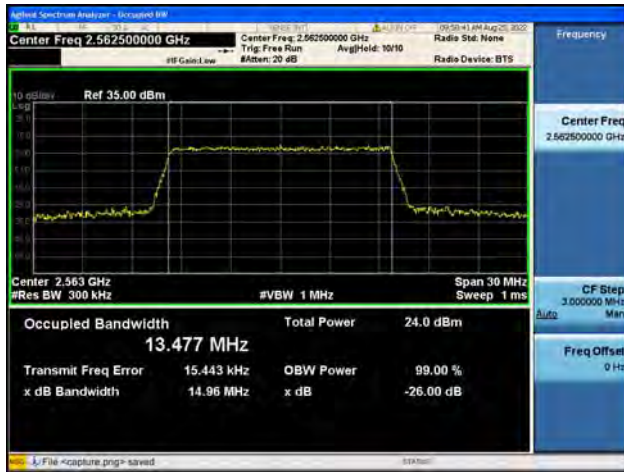
Band7 / 15MHz / QPSK/ High CH



Band7 / 15MHz / 16QAM/ High CH



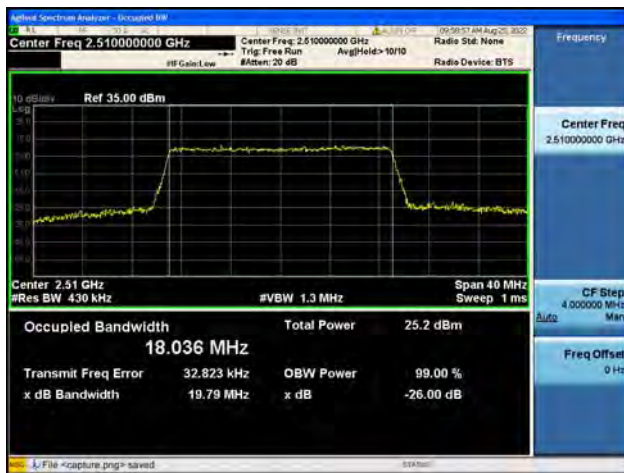
Band7 / 15MHz / 64QAM/ High CH



Band7 / 20MHz / QPSK/ Low CH



Band7 / 20MHz / 16QAM/ Low CH



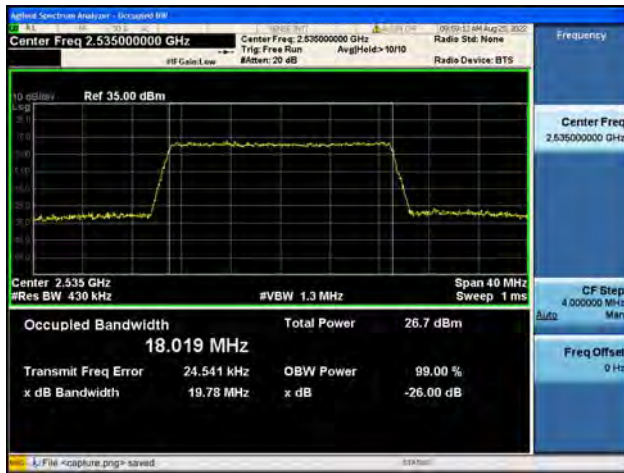
Band7 / 20MHz / 64QAM/ Low CH



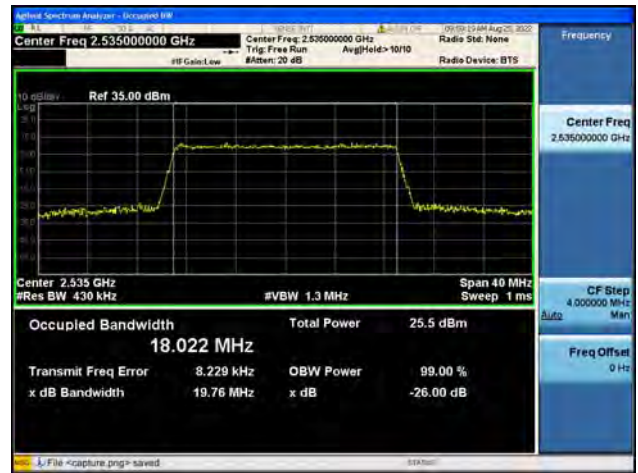




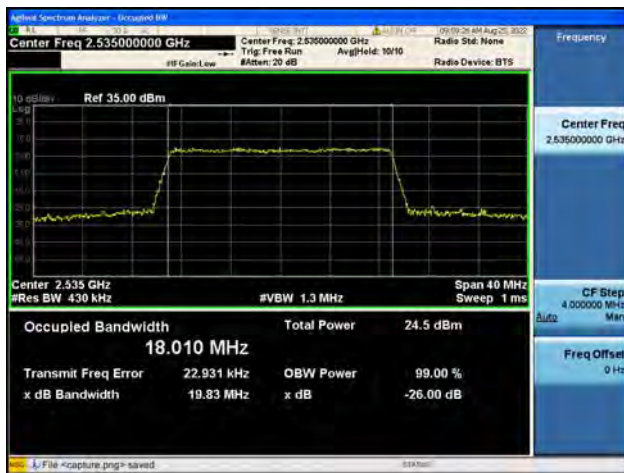
Band7 / 20MHz / QPSK/ Mid CH



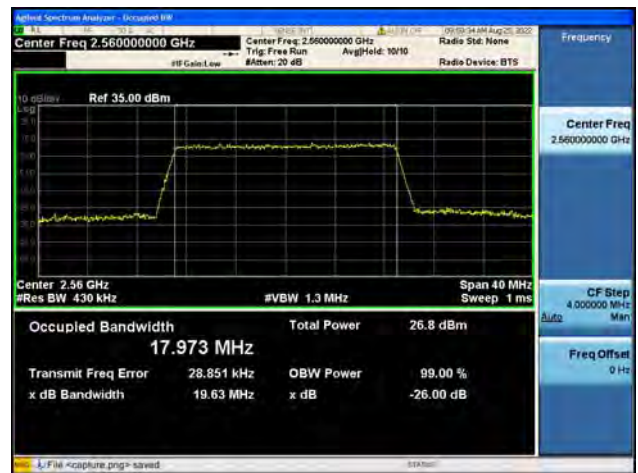
Band7 / 20MHz / 16QAM/ Mid CH



Band7 / 20MHz / 64QAM/ Mid CH



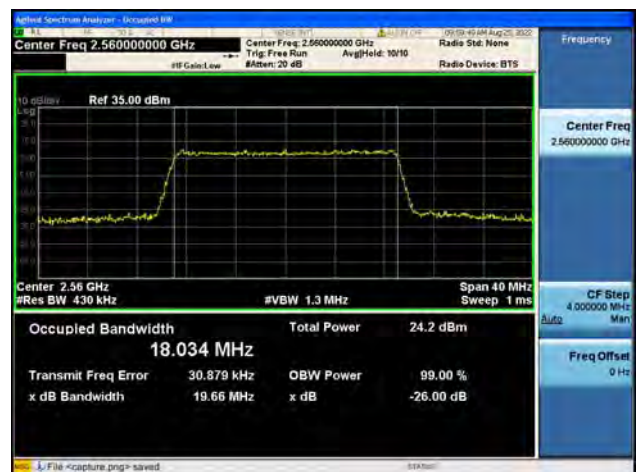
Band7 / 20MHz / QPSK/ High CH



Band7 / 20MHz / 16QAM/ High CH

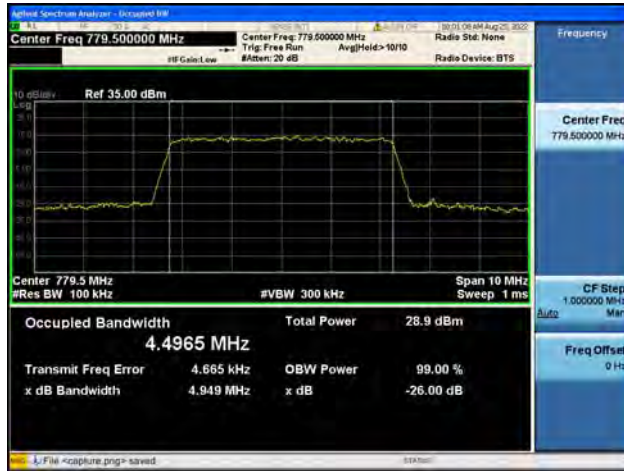


Band7 / 20MHz / 64QAM/ High CH

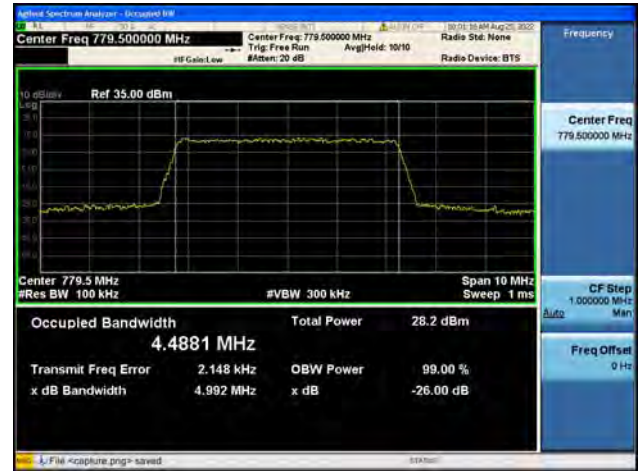




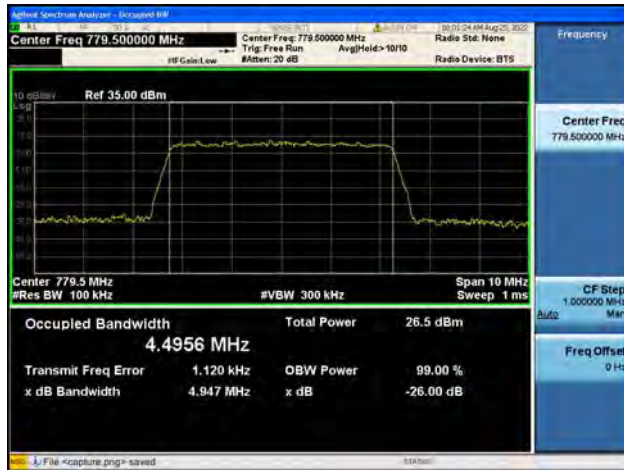
Band13 / 5MHz / QPSK/ Low CH



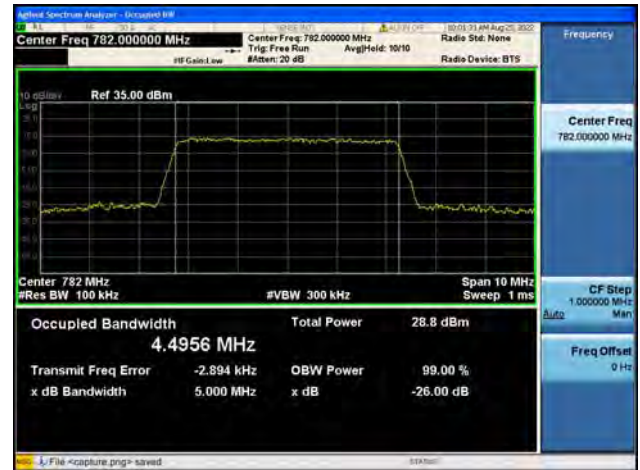
Band13 / 5MHz / 16QAM/ Low CH



Band13 / 5MHz / 64QAM/ Low CH



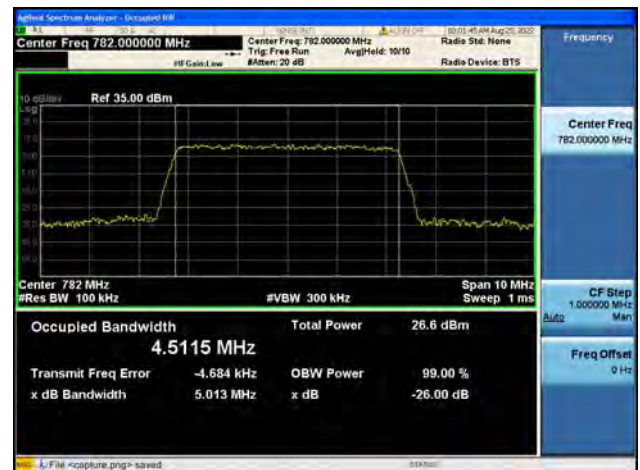
Band13 / 5MHz / QPSK/ Mid CH



Band13 / 5MHz / 16QAM/ Mid CH



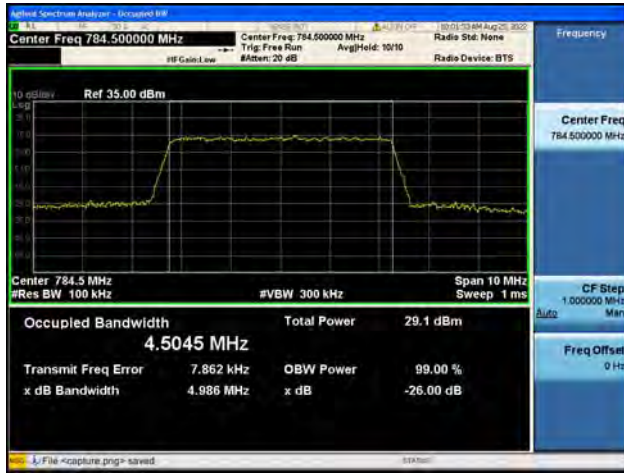
Band13 / 5MHz / 64QAM/ Mid CH



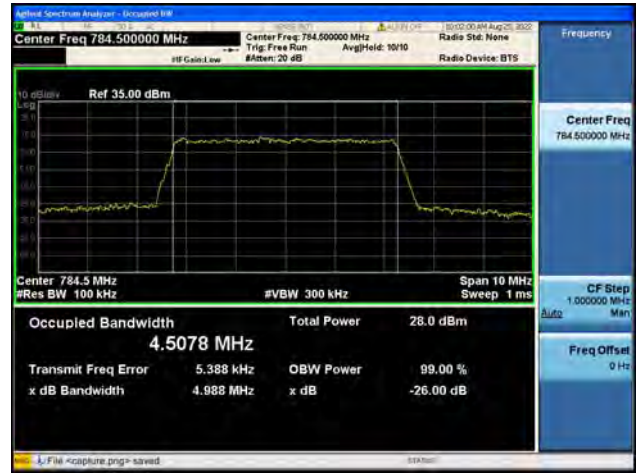




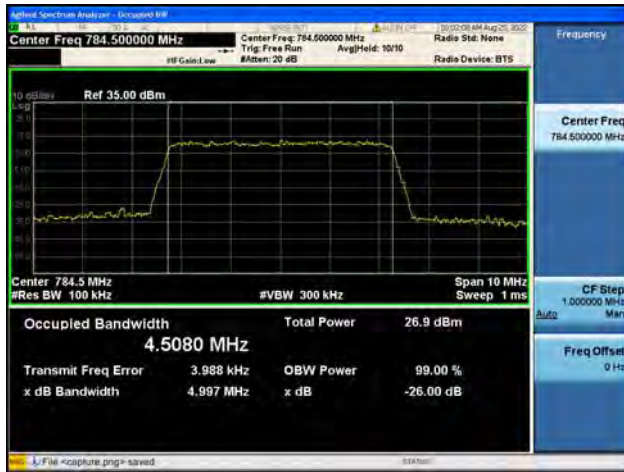
Band13 / 5MHz / QPSK/ High CH



Band13 / 5MHz / 16QAM/ High CH



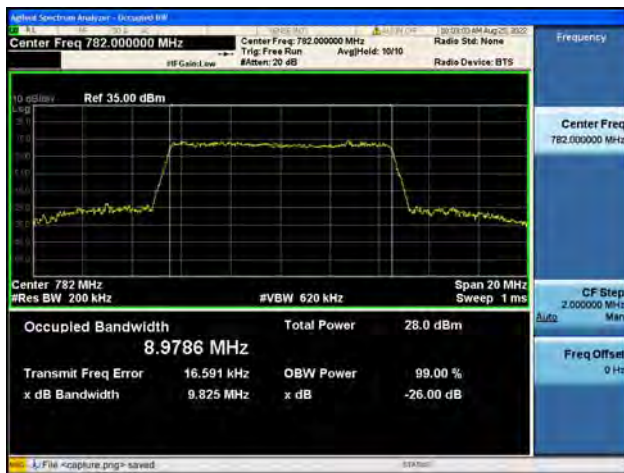
Band13 / 5MHz / 64QAM/ High CH



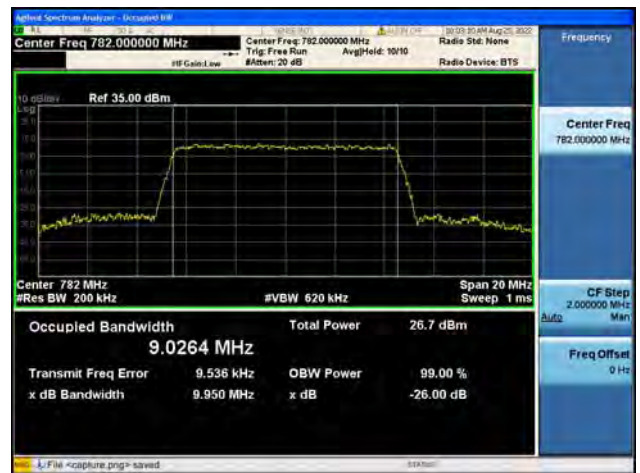
Band13 / 10MHz / QPSK/ Mid CH



Band13 / 10MHz / 16QAM/ Mid CH

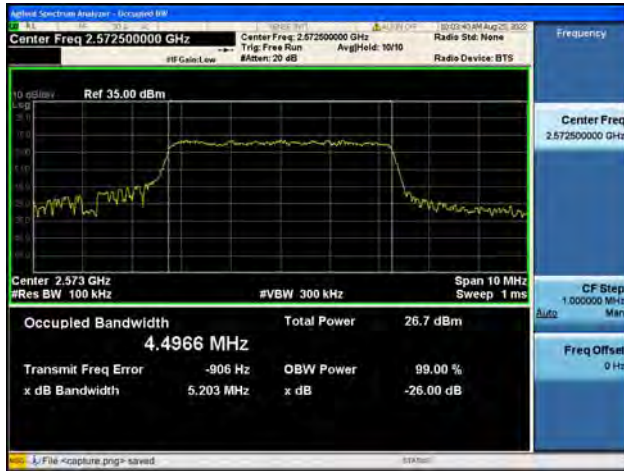


Band13 / 10MHz / 64QAM/ Mid CH

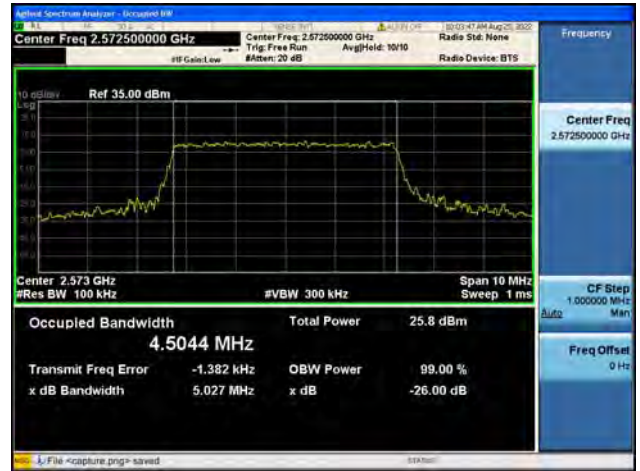




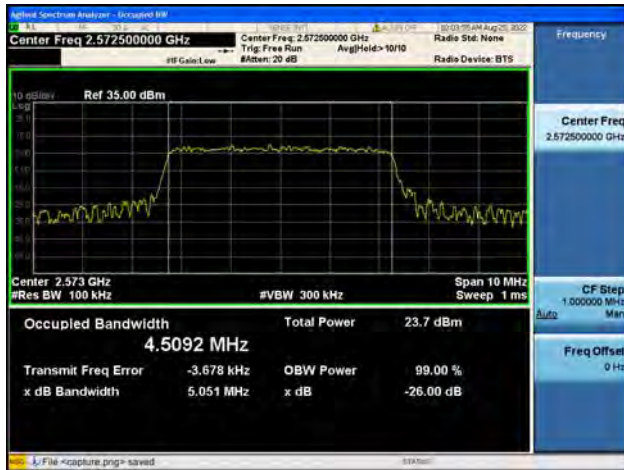
Band38 / 5MHz / QPSK/ Low CH



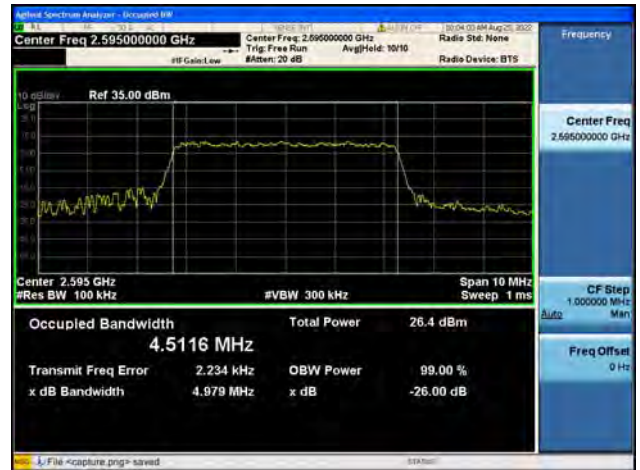
Band38 / 5MHz / 16QAM/ Low CH



Band38 / 5MHz / 64QAM/ Low CH



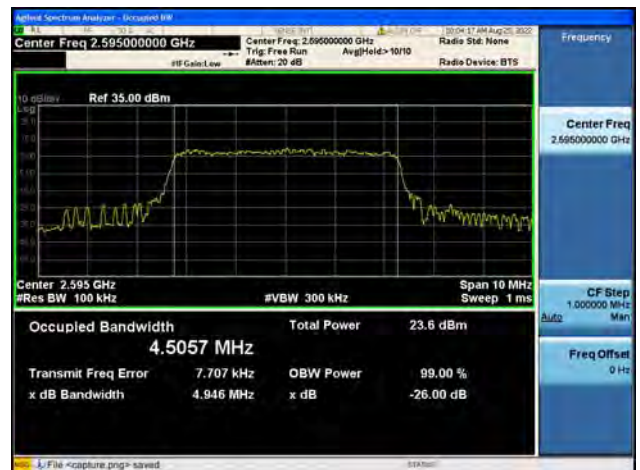
Band38 / 5MHz / QPSK/ Mid CH



Band38 / 5MHz / 16QAM/ Mid CH



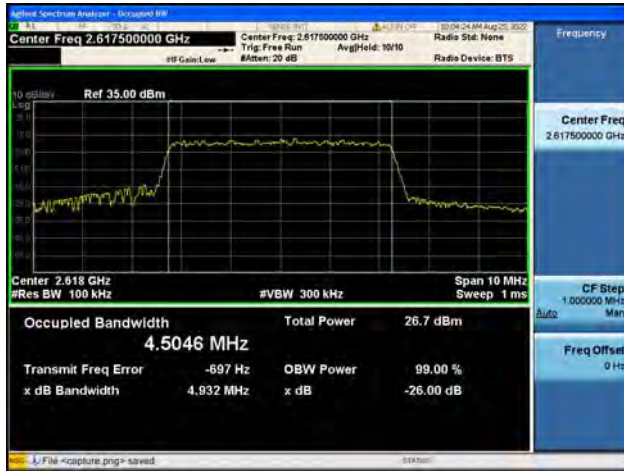
Band38 / 5MHz / 64QAM/ Mid CH







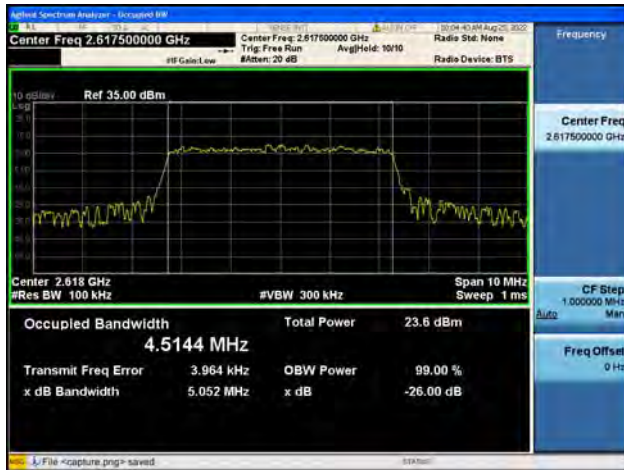
Band38 / 5MHz / QPSK/ High CH



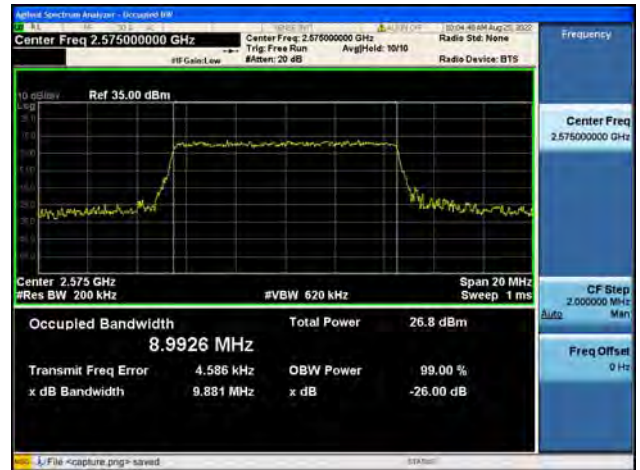
Band38 / 5MHz / 16QAM/ High CH



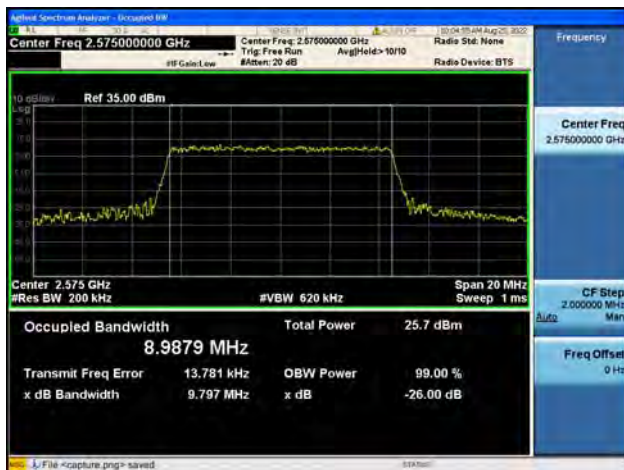
Band38 / 5MHz / 64QAM/ High CH



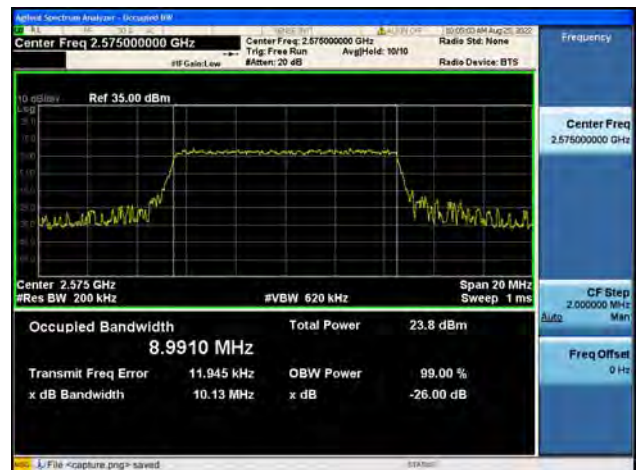
Band38 / 10MHz / QPSK/ Low CH



Band38 / 10MHz / 16QAM/ Low CH

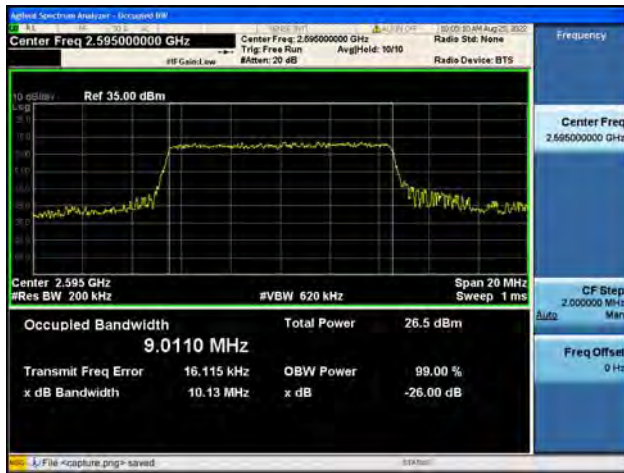


Band38 / 10MHz / 64QAM/ Low CH

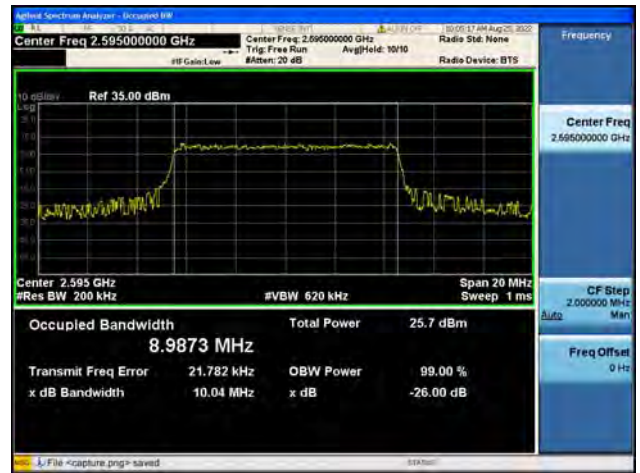




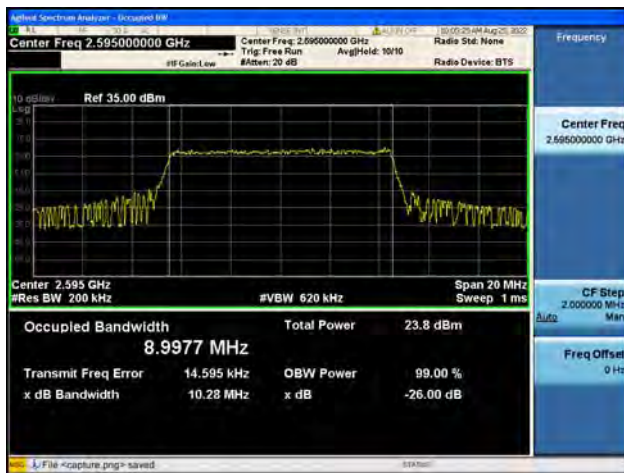
Band38 / 10MHz / QPSK/ Mid CH



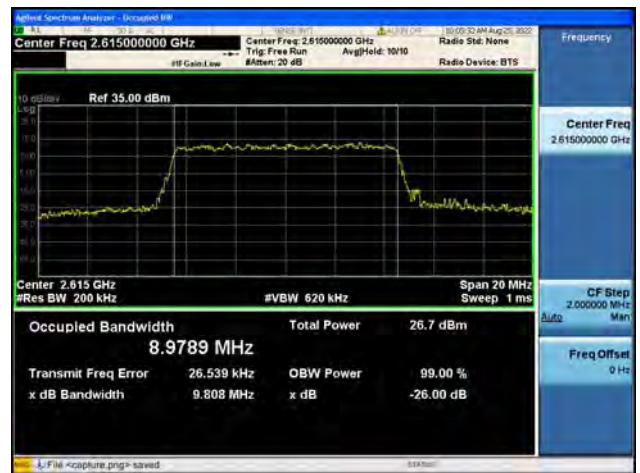
Band38 / 10MHz / 16QAM/ Mid CH



Band38 / 10MHz / 64QAM/ Mid CH



Band38 / 10MHz / QPSK/ High CH



Band38 / 10MHz / 16QAM/ High CH



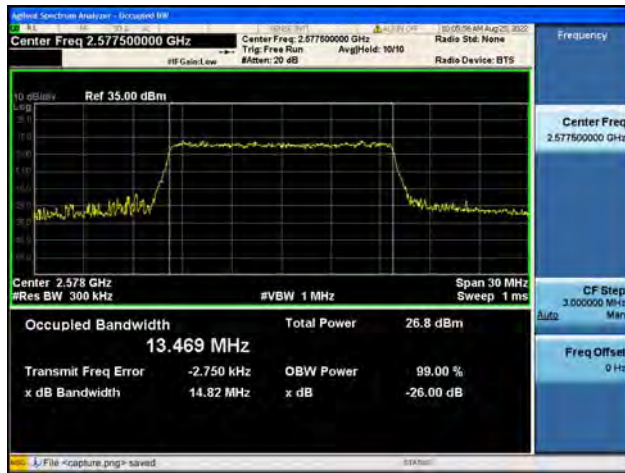
Band38 / 10MHz / 64QAM/ High CH



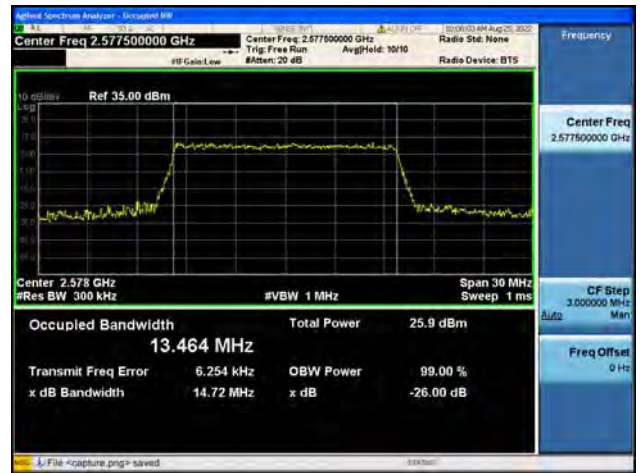




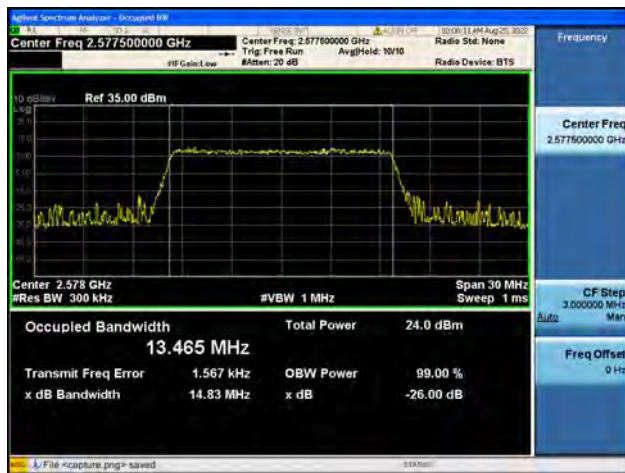
Band38 / 15MHz / QPSK/ Low CH



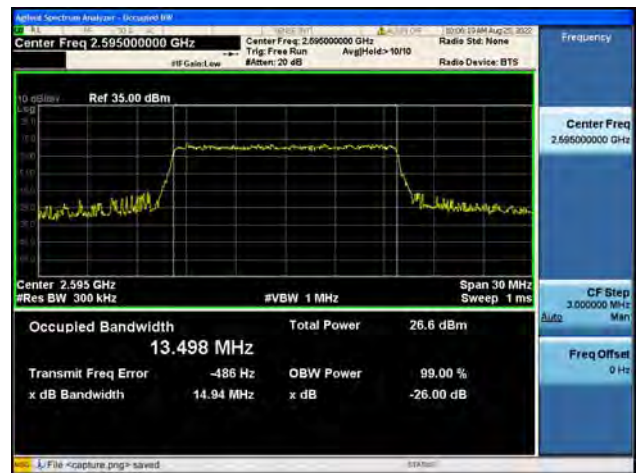
Band38 / 15MHz / 16QAM/ Low CH



Band38 / 15MHz / 64QAM/ Low CH



Band38 / 15MHz / QPSK/ Mid CH



Band38 / 15MHz / 16QAM/ Mid CH

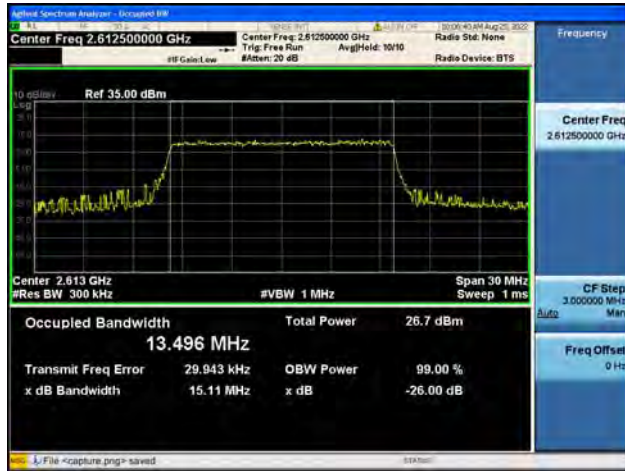


Band38 / 15MHz / 64QAM/ Mid CH

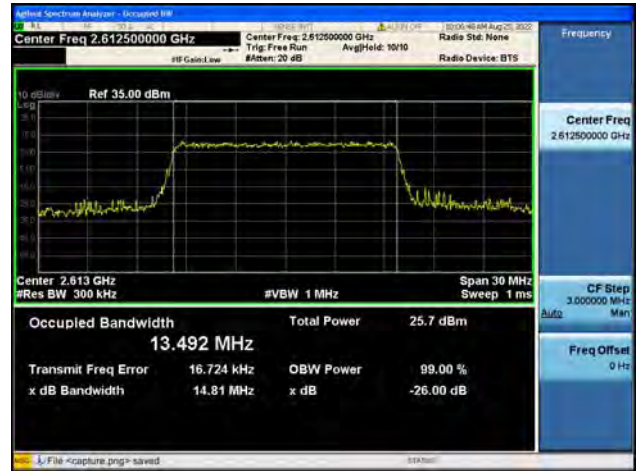




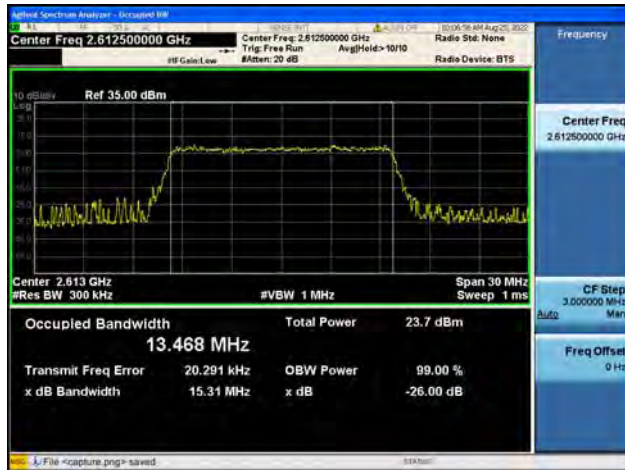
Band38 / 15MHz / QPSK/ High CH



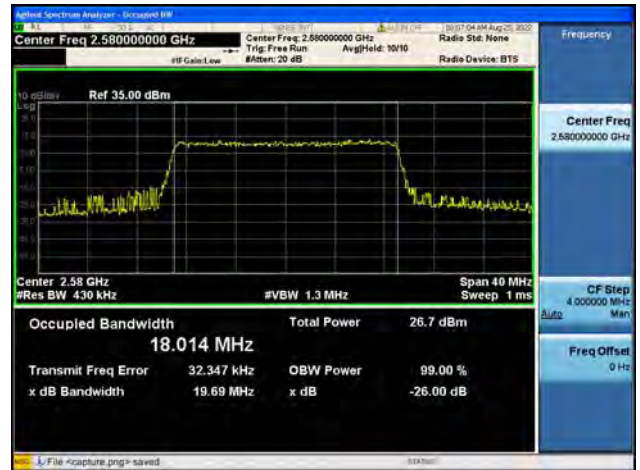
Band38 / 15MHz / 16QAM/ High CH



Band38 / 15MHz / 64QAM/ High CH



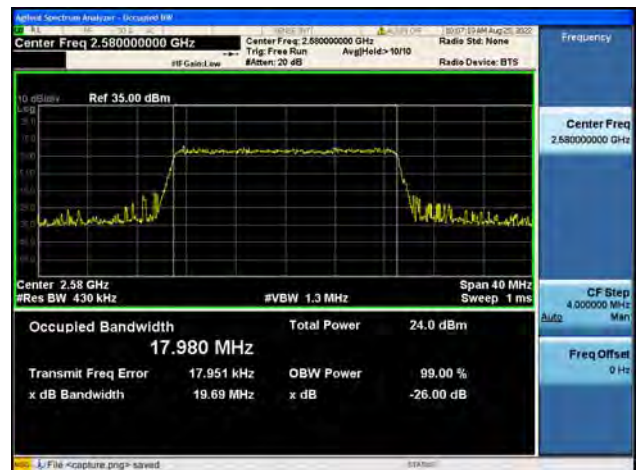
Band38 / 20MHz / QPSK/ Low CH



Band38 / 20MHz / 16QAM/ Low CH



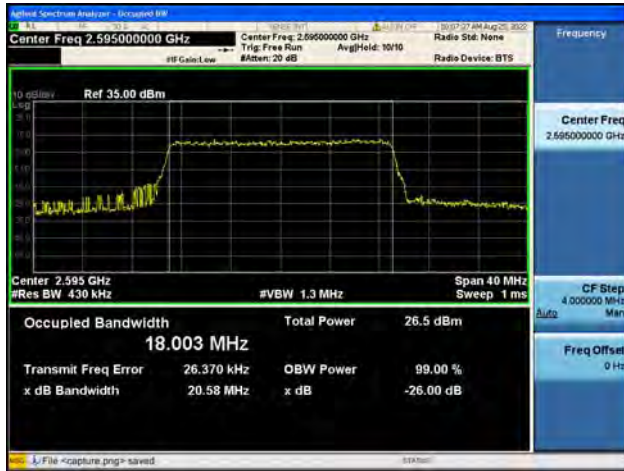
Band38 / 20MHz / 64QAM/ Low CH



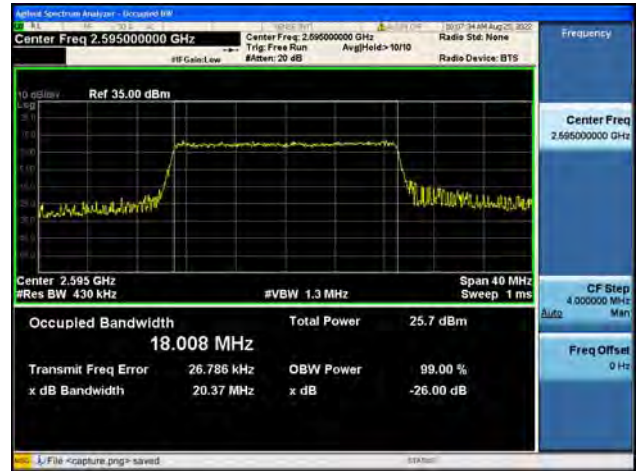




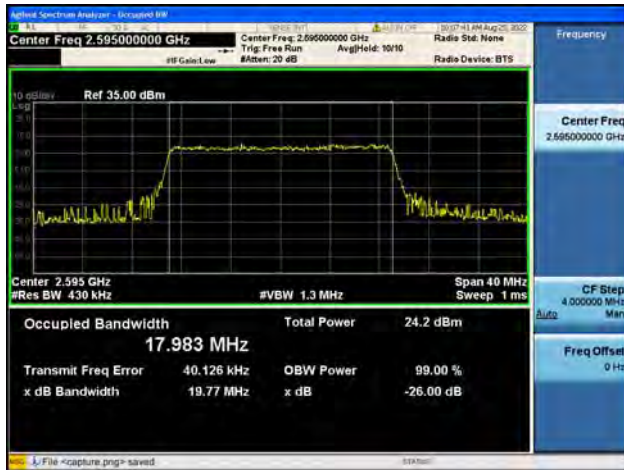
Band38 / 20MHz / QPSK/ Mid CH



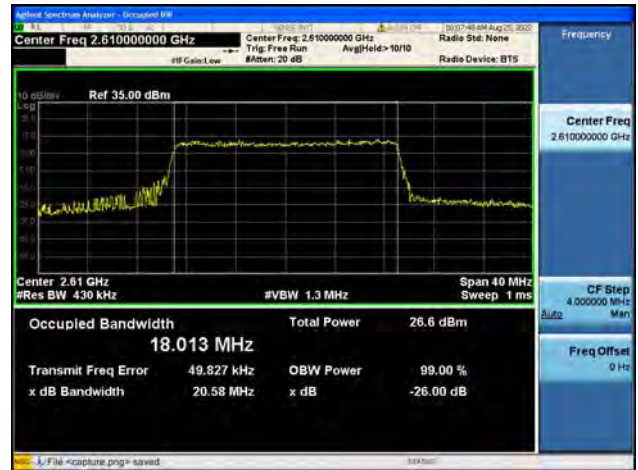
Band38 / 20MHz / 16QAM/ Mid CH



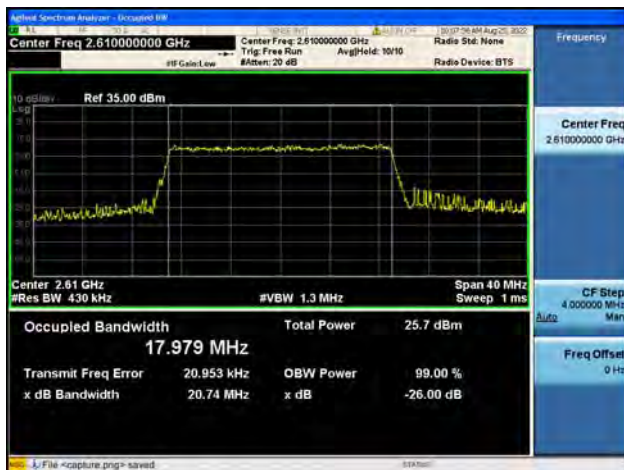
Band38 / 20MHz / 64QAM/ Mid CH



Band38 / 20MHz / QPSK/ High CH



Band38 / 20MHz / 16QAM/ High CH

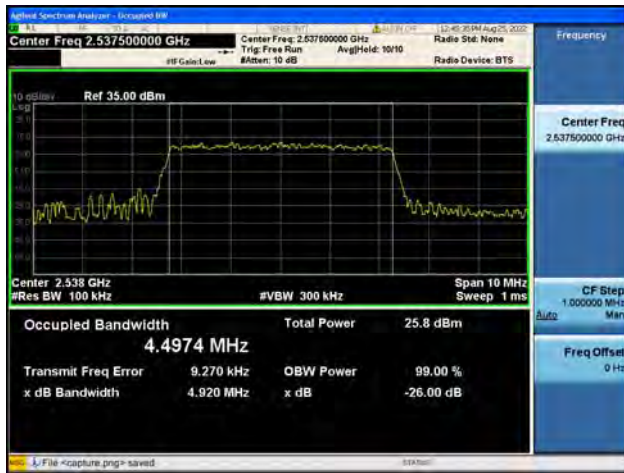


Band38 / 20MHz / 64QAM/ High CH





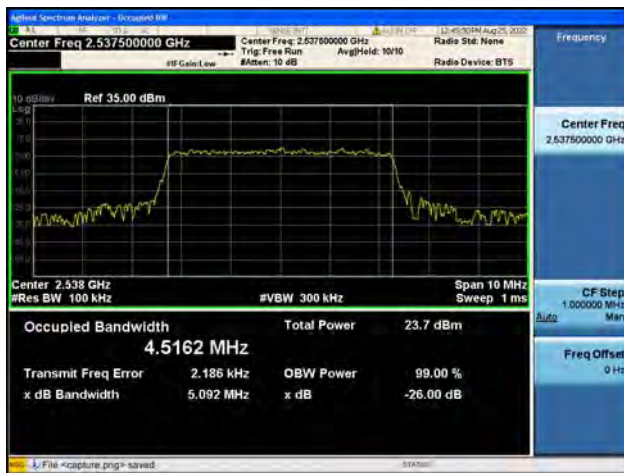
Band41(2535~2655) / 5MHz / QPSK/ Low CH



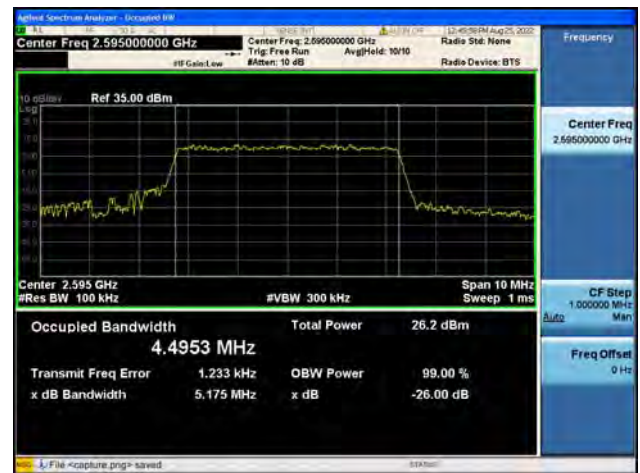
Band41(2535~2655) / 5MHz / 16QAM/ Low CH



Band41(2535~2655) / 5MHz / 64QAM/ Low CH



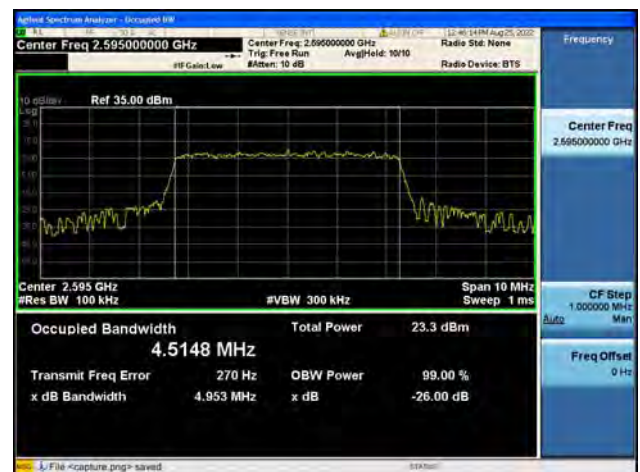
Band41(2535~2655) / 5MHz / QPSK/ Mid CH



Band41(2535~2655) / 5MHz / 16QAM/ Mid CH



Band41(2535~2655) / 5MHz / 64QAM/ Mid CH







Band41(2535~2655) / 5MHz / QPSK/ High CH



Band41(2535~2655) / 5MHz / 16QAM/ High CH



Band41(2535~2655) / 5MHz / 64QAM/ High CH



Band41(2535~2655) / 10MHz / QPSK/ Low CH



Band41(2535~2655) / 10MHz / 16QAM/ Low CH

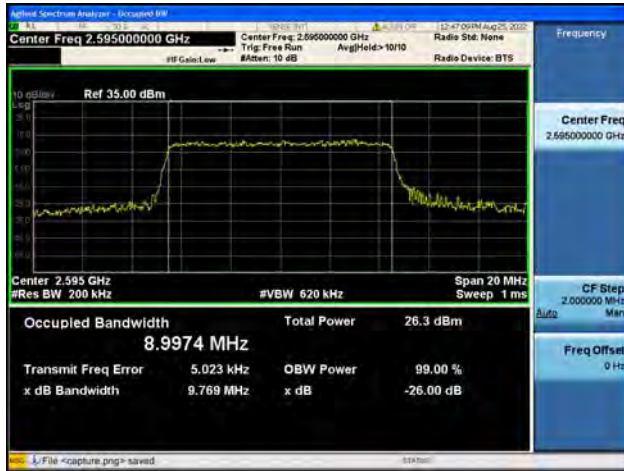


Band41(2535~2655) / 10MHz / 64QAM/ Low CH





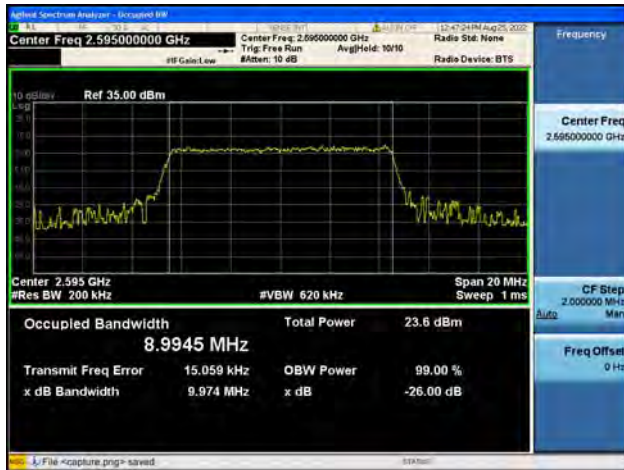
Band41(2535~2655) / 10MHz / QPSK/ Mid CH



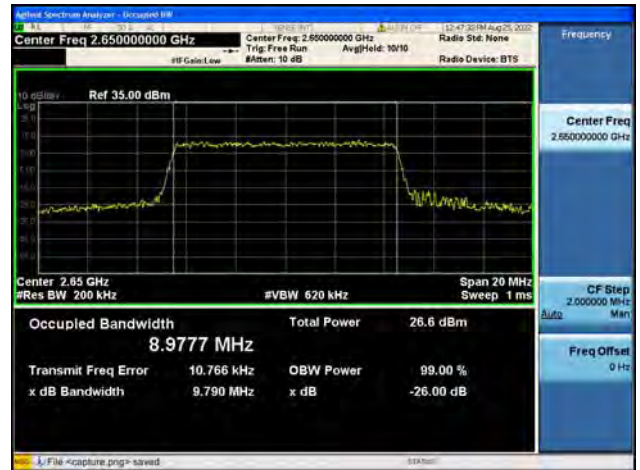
Band41(2535~2655) / 10MHz / 16QAM/ Mid CH



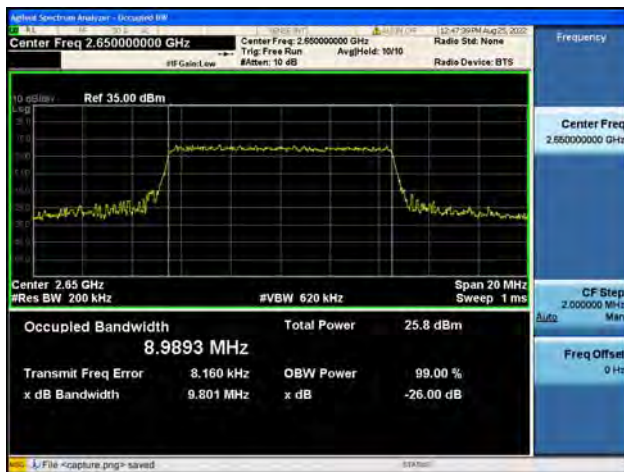
Band41(2535~2655) / 10MHz / 64QAM/ Mid CH



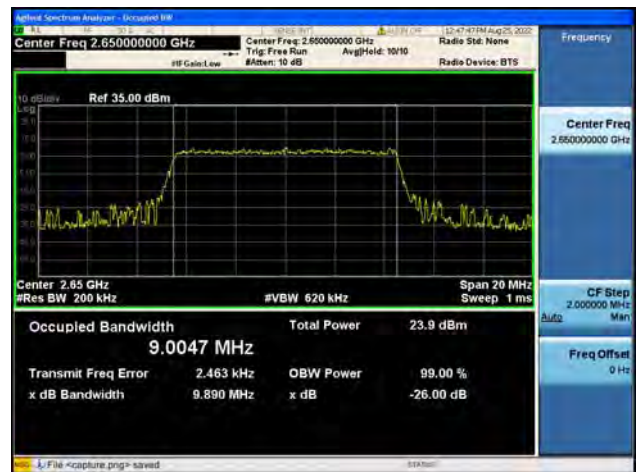
Band41(2535~2655) / 10MHz / QPSK/ High CH



Band41(2535~2655) / 10MHz / 16QAM/ High CH



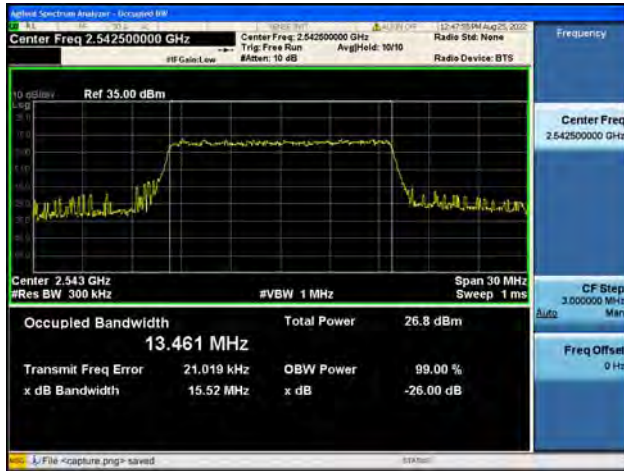
Band41(2535~2655) / 10MHz / 64QAM/ High CH



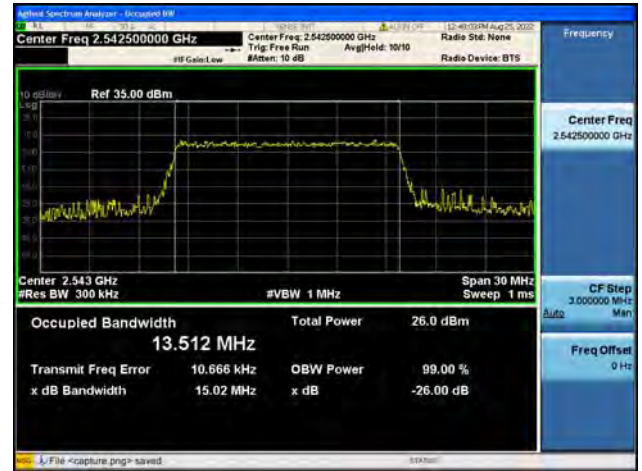




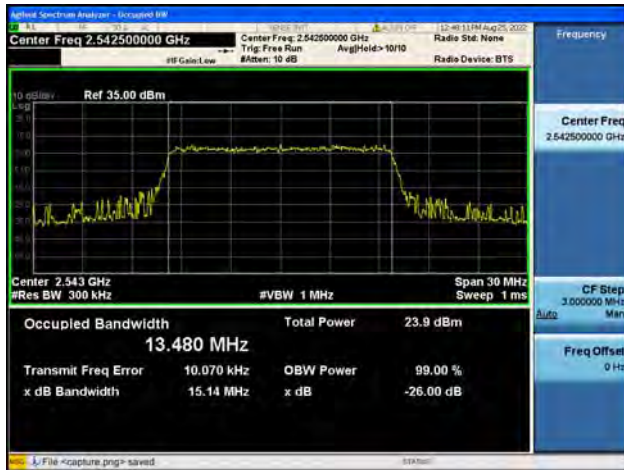
Band41(2535~2655) / 15MHz / QPSK/ Low CH



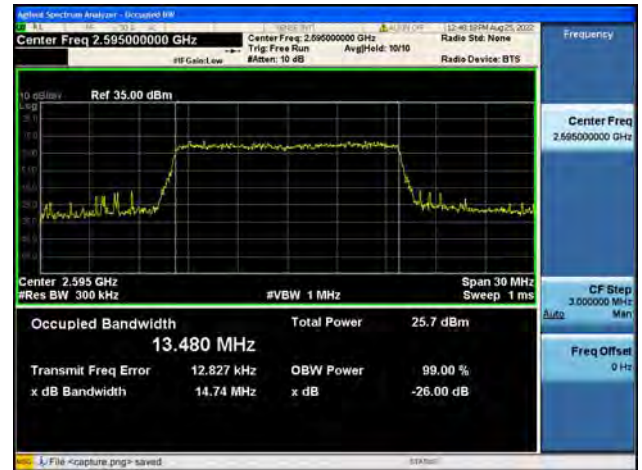
Band41(2535~2655) / 15MHz / 16QAM/ Low CH



Band41(2535~2655) / 15MHz / 64QAM/ Low CH



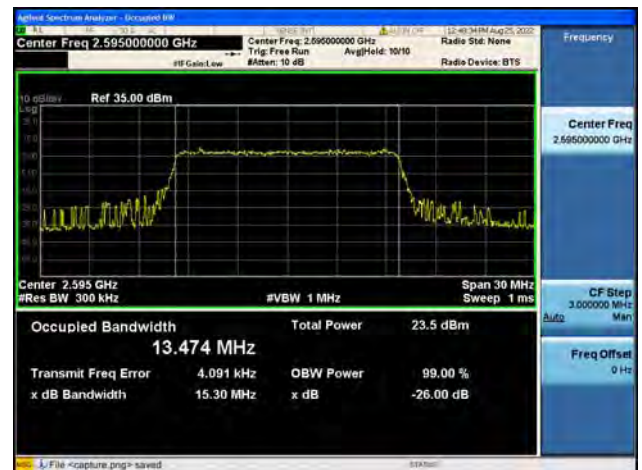
Band41(2535~2655) / 15MHz / QPSK/ Mid CH



Band41(2535~2655) / 15MHz / 16QAM/ Mid CH

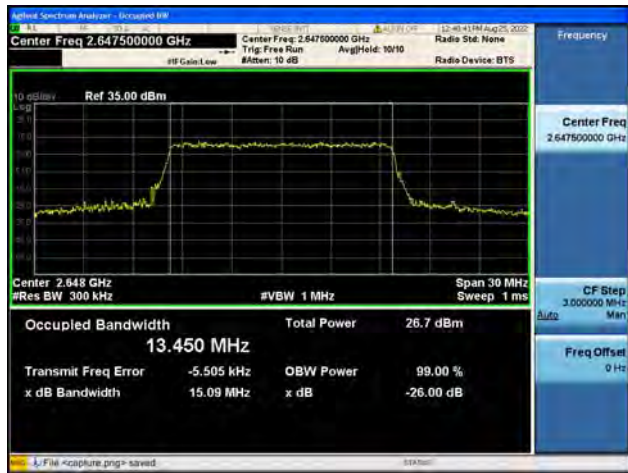


Band41(2535~2655) / 15MHz / 64QAM/ Mid CH

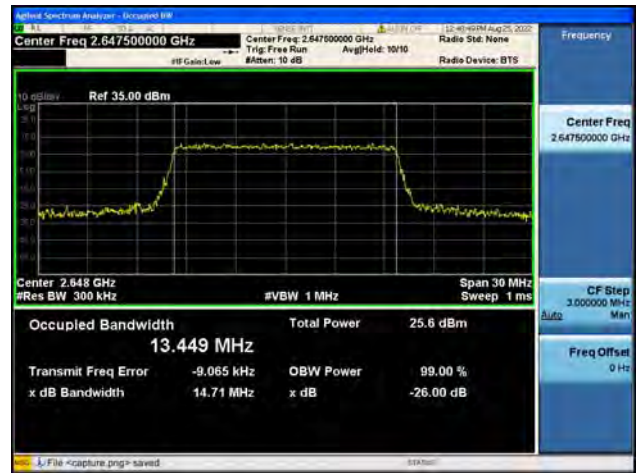




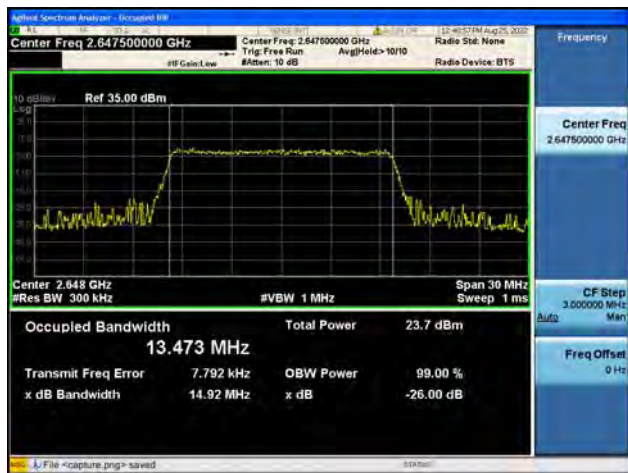
Band41(2535~2655) / 15MHz / QPSK/ High CH



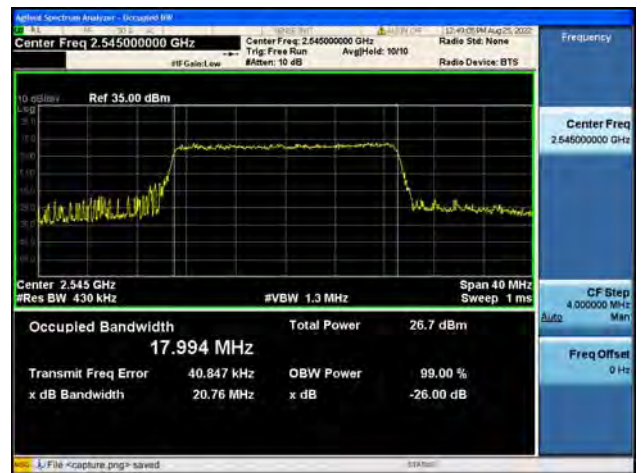
Band41(2535~2655) /15MHz /16QAM/ High CH



Band41(2535~2655) /15MHz /64QAM/ High CH



Band41(2535~2655) / 20MHz / QPSK/ Low CH



Band41(2535~2655) /20MHz / 16QAM/ Low CH



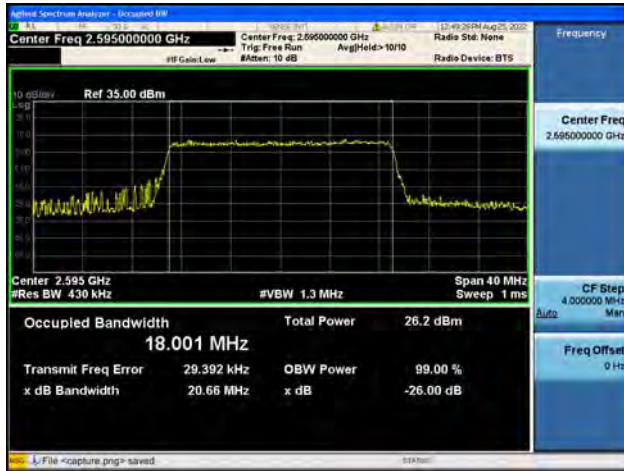
Band41(2535~2655) /20MHz / 64QAM/ Low CH



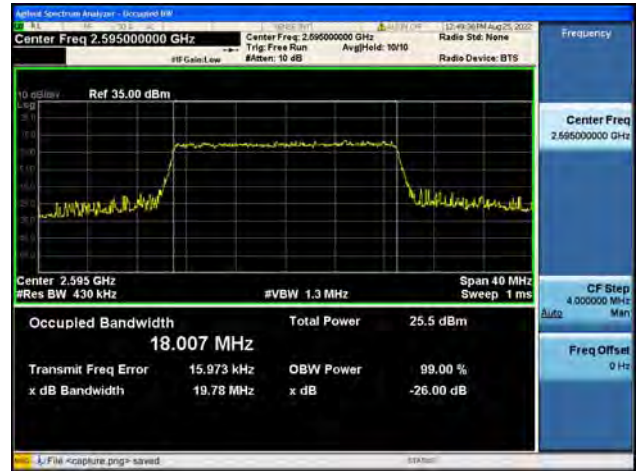




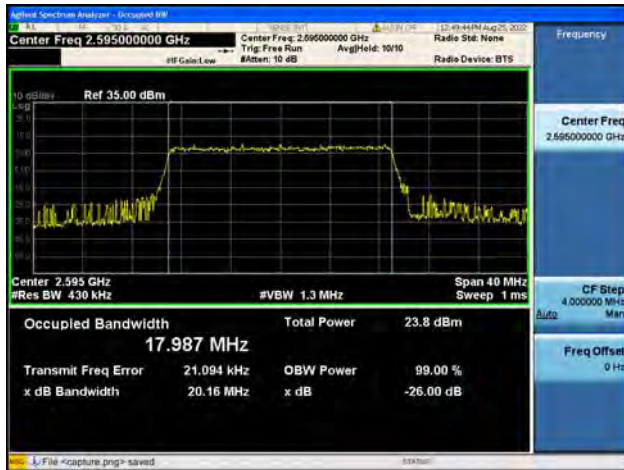
Band41(2535~2655) / 20MHz / QPSK/ Mid CH



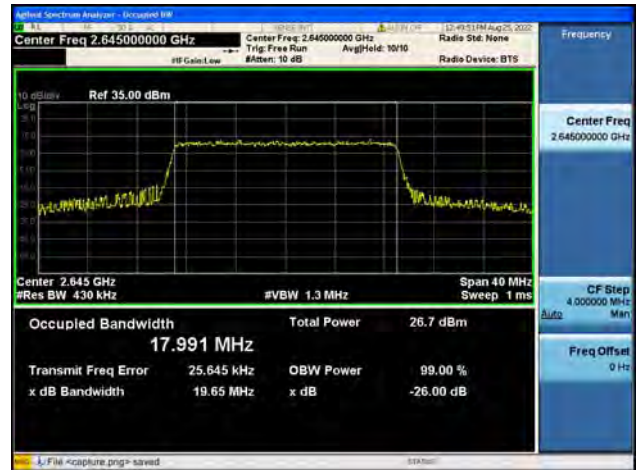
Band41(2535~2655) / 20MHz / 16QAM/ Mid CH



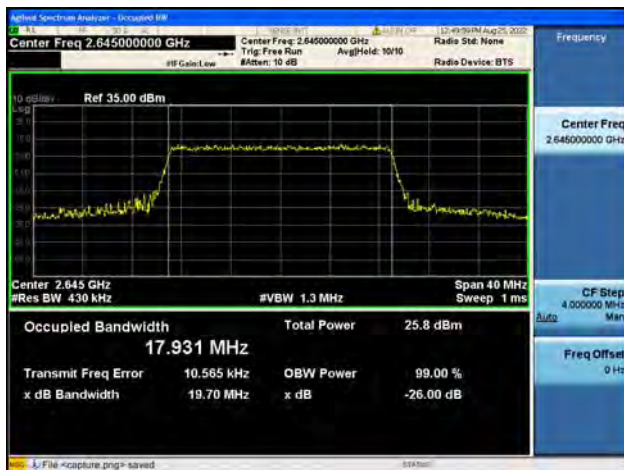
Band41(2535~2655) / 20MHz / 64QAM/ Mid CH



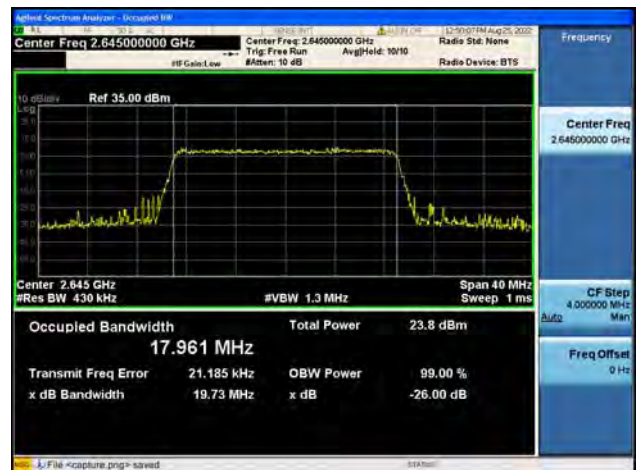
Band41(2535~2655) / 20MHz / QPSK/ High CH

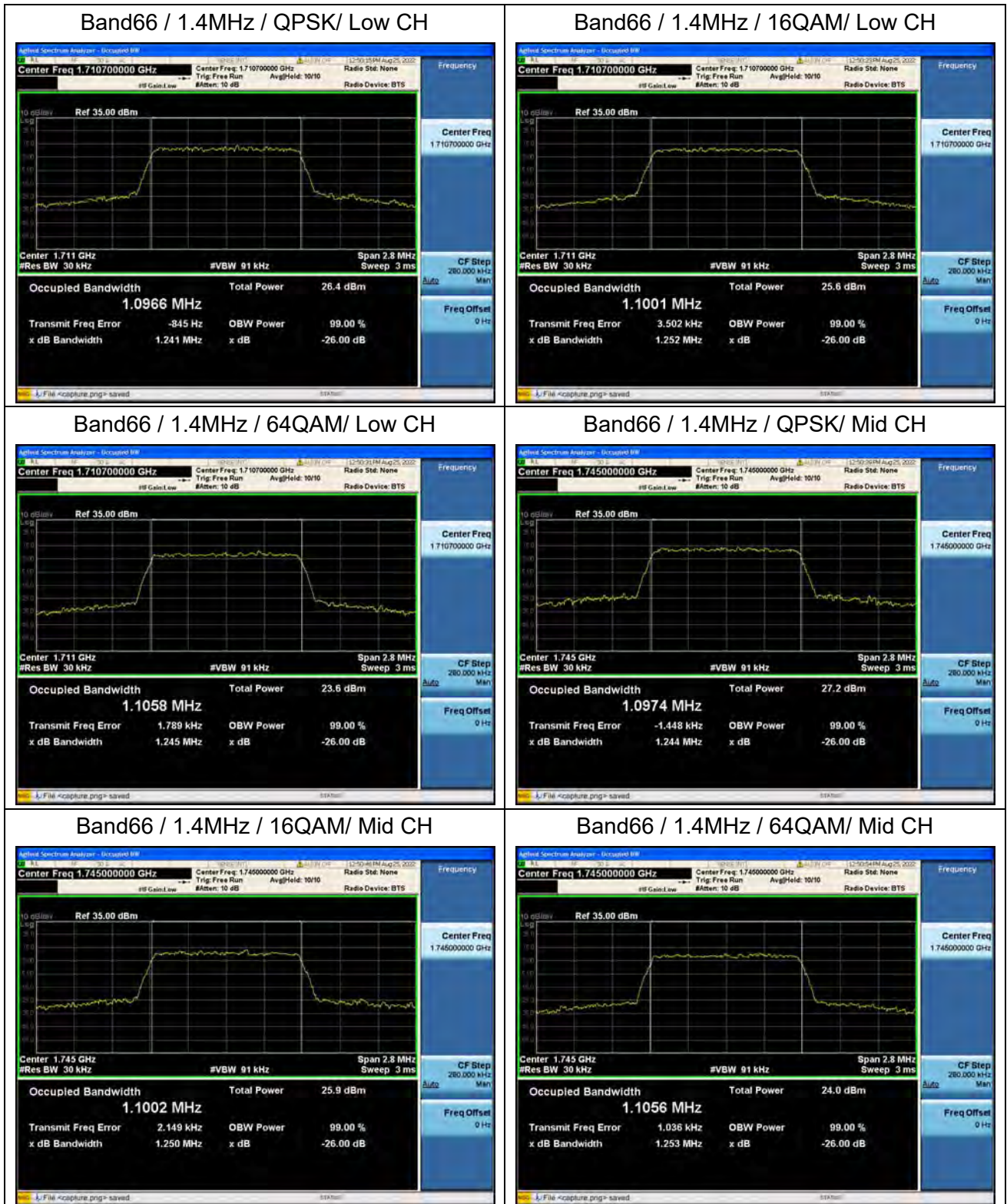


Band41(2535~2655) /20MHz /16QAM/ High CH

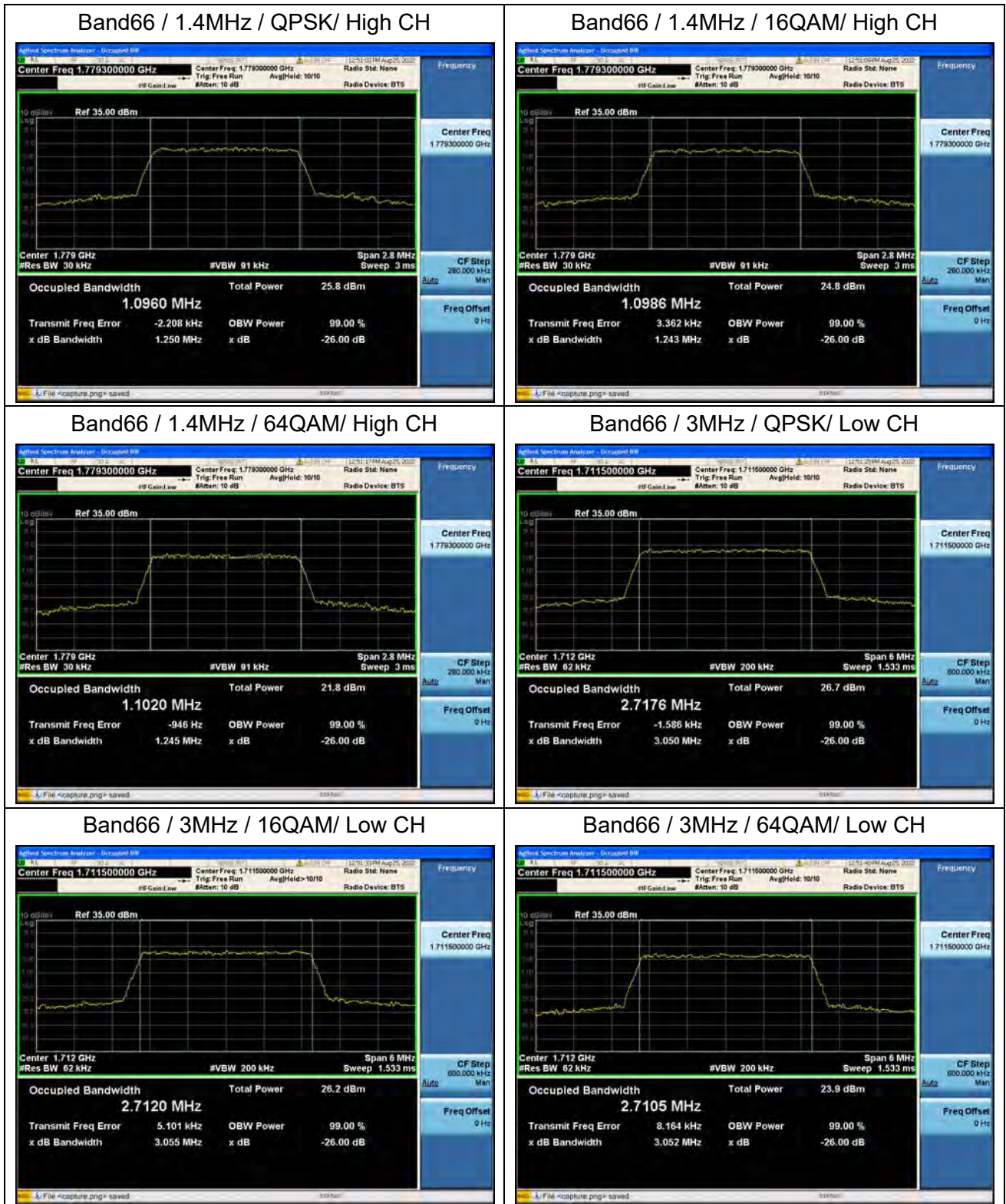


Band41(2535~2655) /20MHz /64QAM/ High CH





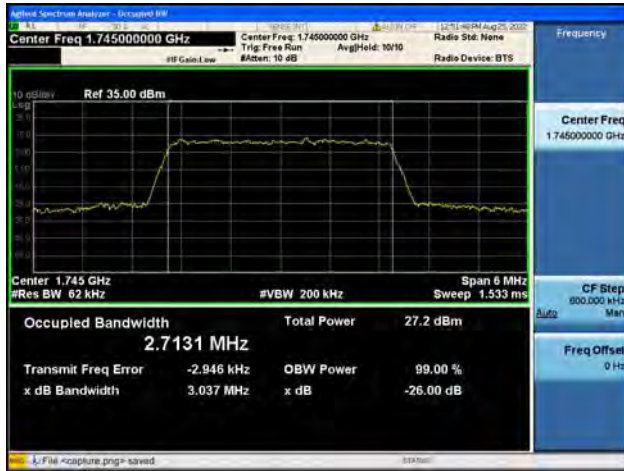








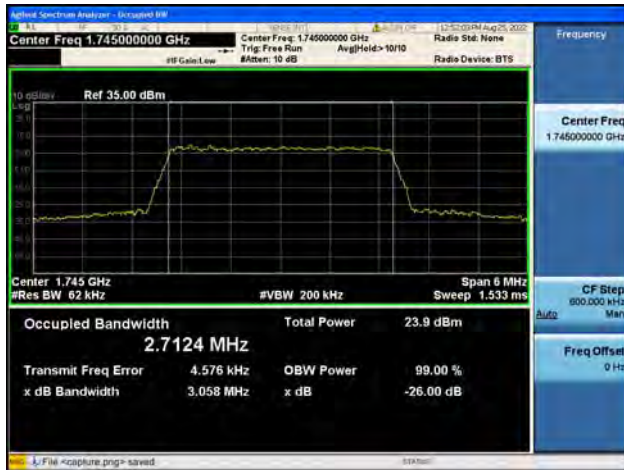
Band66 / 3MHz / QPSK/ Mid CH



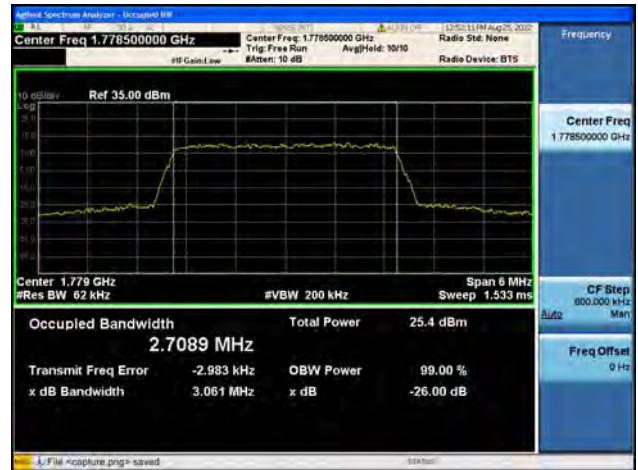
Band66 / 3MHz / 16QAM/ Mid CH



Band66 / 3MHz / 64QAM/ Mid CH



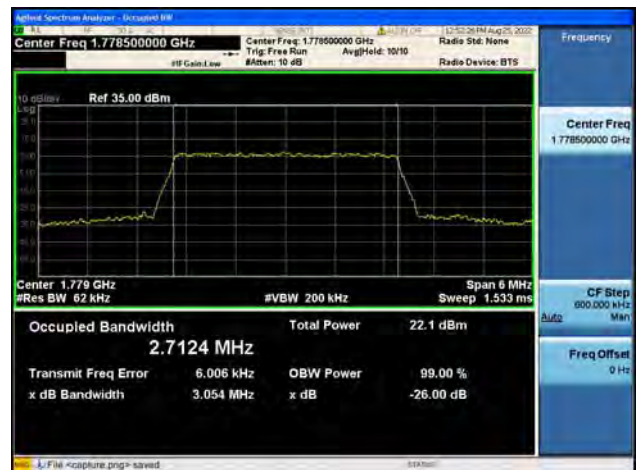
Band66 / 3MHz / QPSK/ High CH



Band66 / 3MHz / 16QAM/ High CH

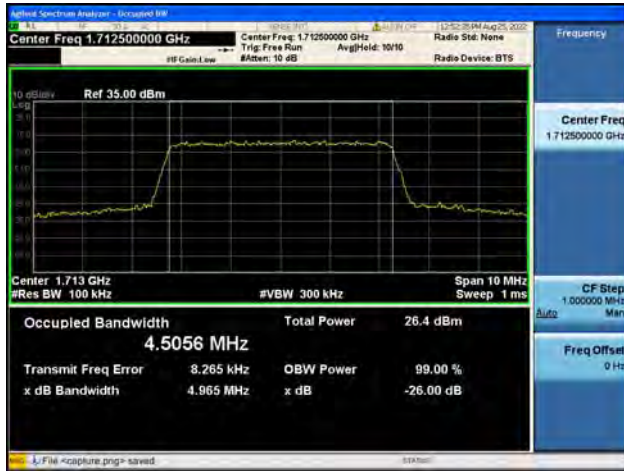


Band66 / 3MHz / 64QAM/ High CH





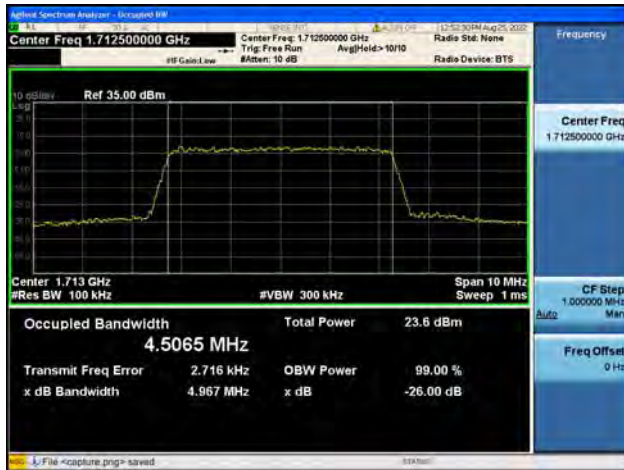
Band66 / 5MHz / QPSK/ Low CH



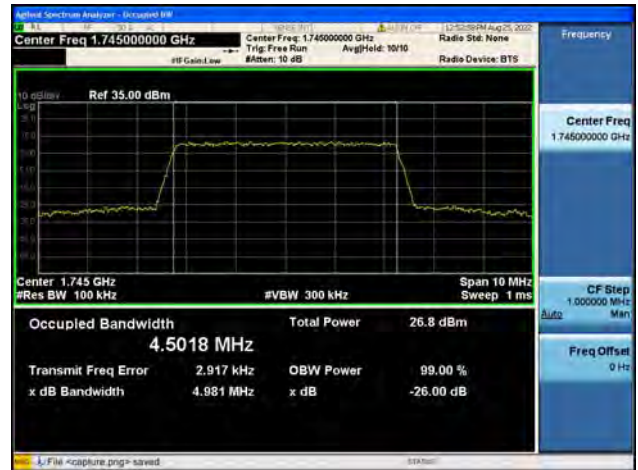
Band66 / 5MHz / 16QAM/ Low CH



Band66 / 5MHz / 64QAM/ Low CH



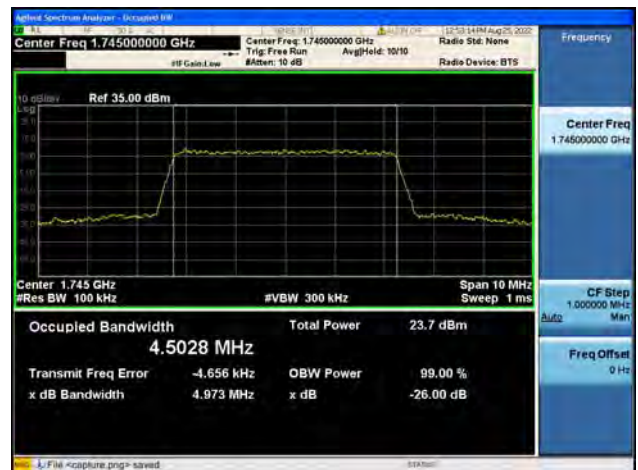
Band66 / 5MHz / QPSK/ Mid CH



Band66 / 5MHz / 16QAM/ Mid CH



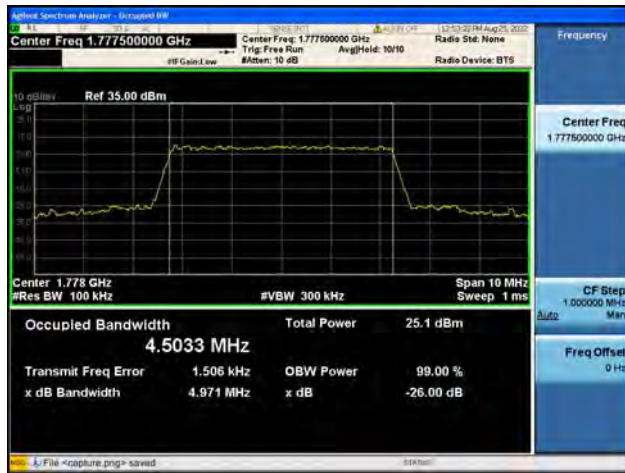
Band66 / 5MHz / 64QAM/ Mid CH



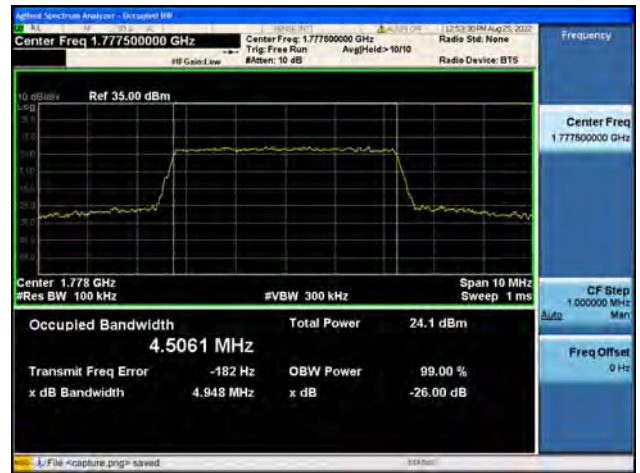




Band66 / 5MHz / QPSK/ High CH



Band66 / 5MHz / 16QAM/ High CH



Band66 / 5MHz / 64QAM/ High CH



Band66 / 10MHz / QPSK/ Low CH



Band66 / 10MHz / 16QAM/ Low CH

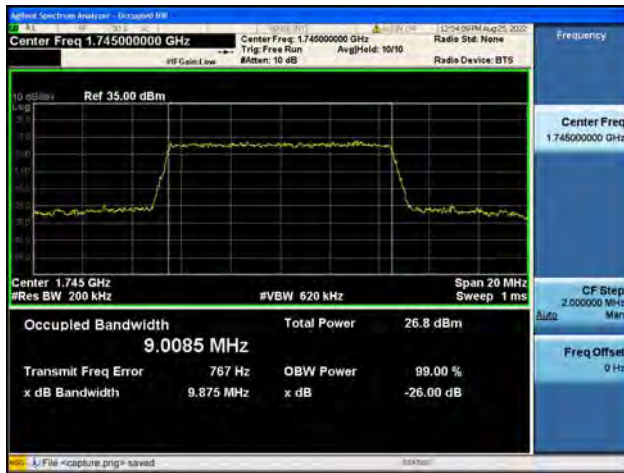


Band66 / 10MHz / 64QAM/ Low CH

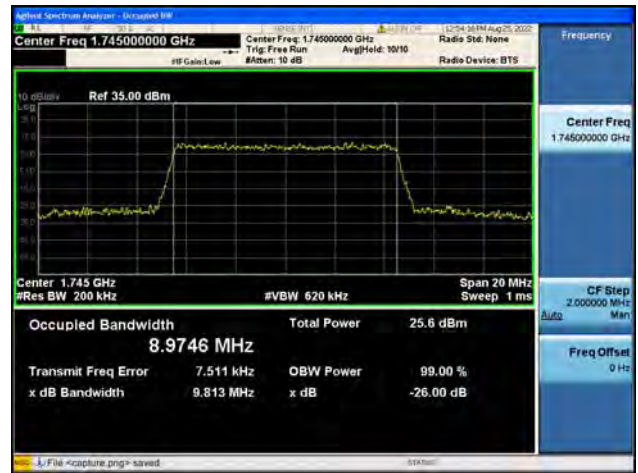




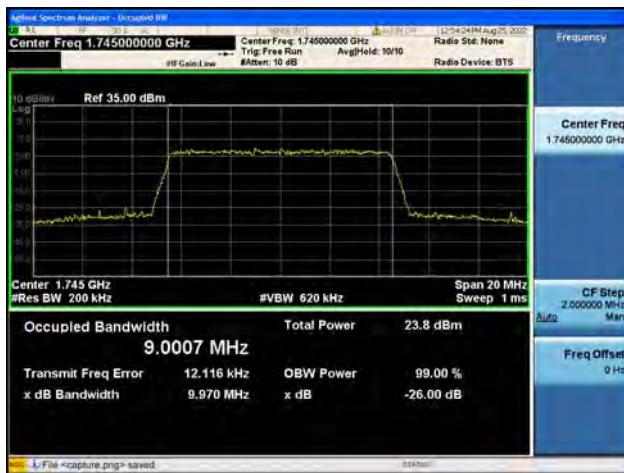
Band66 / 10MHz / QPSK/ Mid CH



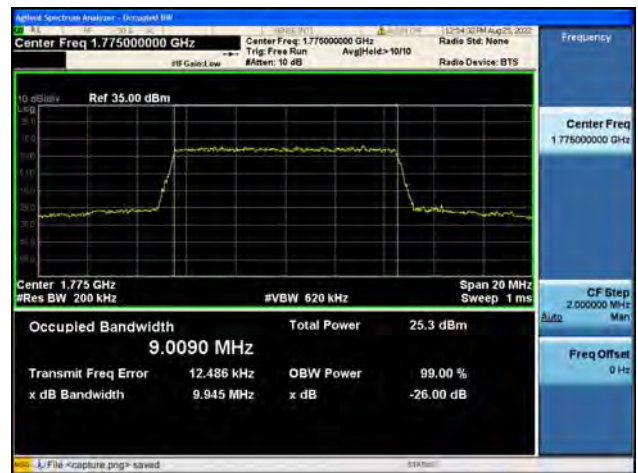
Band66 / 10MHz / 16QAM/ Mid CH



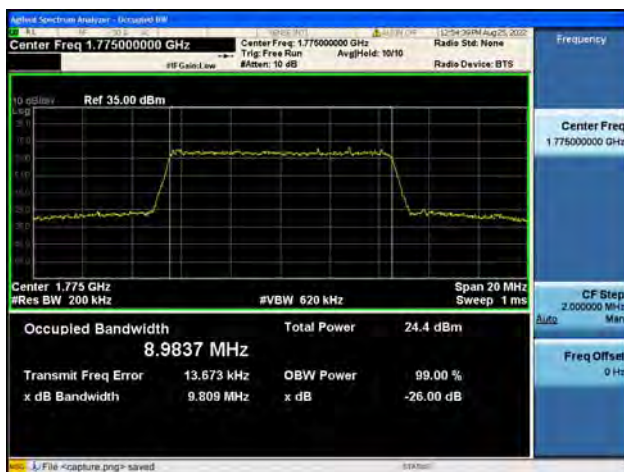
Band66 / 10MHz / 64QAM/ Mid CH



Band66 / 10MHz / QPSK/ High CH



Band66 / 10MHz / 16QAM/ High CH



Band66 / 10MHz / 64QAM/ High CH

