



# TEST REPORT

**APPLICANT** : Hot Pepper Mobile Inc.

**PRODUCT NAME** : Feature Phone

**MODEL NAME** : HPPL62A

**BRAND NAME** : Hot Pepper

**FCC ID** : 2A33N-L62A

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

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Change History		
Version	Date	Reason for change
1.0	2022-11-07	First edition



# 1. Technical Information

Note: Provide by applicant.

## 1.1. Applicant and Manufacturer Information

<b>Applicant:</b>	Hot Pepper Mobile Inc.
<b>Applicant Address:</b>	350 10th Ave 1000 Ste San Diego CA 92101-8705
<b>Manufacturer:</b>	Hot Pepper Mobile Inc.
<b>Manufacturer Address:</b>	350 10th Ave 1000 Ste San Diego CA 92101-8705

## 1.2. Equipment Under Test (EUT) Description

<b>Product Name:</b>	Feature Phone	
<b>Sample No.:</b>	4#	
<b>Hardware Version:</b>	AA30_P2	
<b>Software Version:</b>	HPP-L62A-1.0.11	
<b>Modulation Type:</b>	QPSK, 16QAM	
<b>Carrier Aggregation:</b>	Not Support	
<b>Operation Band:</b>	Band 2 / 4 / 5 / 12 / 25 / 26 / 41 / 66 / 71	
<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 12	Tx: 699MHz - 716MHz
		Rx: 729MHz – 746MHz
	LTE Band 25	Tx: 1850MHz–1915MHz
		Rx: 1930MHz–1995MHz
	LTE Band 26	Tx: 824MHz–849MHz
		Rx: 869MHz–894MHz
	LTE Band 41	Tx: 2496MHz –2690MHz
		Tx: 2496MHz –2690MHz
LTE Band 66	Tx: 1710MHz–1780MHz	
	Rx: 2110MHz–2200MHz	



	LTE Band 71	Tx: 663MHz –698MHz Rx: 617MHz –652MHz
<b>Channel Bandwidth:</b>	LTE Band 2	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 4	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 5	1.4MHz, 3MHz, 5MHz, 10MHz
	LTE Band 12	1.4MHz, 3 MHz, 5 MHz, 10MHz
	LTE Band 25	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 26	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz
	LTE Band 41	5 MHz, 10MHz, 15MHz, 20MHz
	LTE Band 66	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 71	5MHz, 10MHz, 15MHz, 20MHz
<b>Antenna Type:</b>	Fixed Internal Antenna	
<b>Antenna Gain:</b>	LTE Band 2	1.38 dBi
	LTE Band 4	0.43 dBi
	LTE Band 5	-0.59 dBi
	LTE Band 12	0.50 dBi
	LTE Band 25	1.38 dBi
	LTE Band 26	-0.59 dBi
	LTE Band 41	2.47 dBi
	LTE Band 66	0.70 dBi
	LTE Band 71	0.50 dBi
<b>Accessory Information:</b>	Battery	
	Brand Name:	N/A
	Model No.:	HLI2205G
	Serial No.:	N/A
	Capacity:	2000mAh
	Rated Voltage:	3.8V
	Charge Limit:	4.35V
	Manufacturer:	Shenzhen Aerospace Electronic Co., Ltd.
	AC Adapter	
	Brand Name:	N/A
	Model No.:	TPA-46050130UU
	Serial No.:	N/A
	Rated Output:	5V=1.3A
	Rated Input:	100-240V~50/60Hz, 0.3A
	Manufacturer:	Shenzhen Tianyin Electronics Co., Ltd.



	USB Cable	
	Model No.:	HY-036024
	Manufacturer:	Hengyue Communication Technology Co., Ltd.

**Note 1:** LTE Band 41 supports both power class 2 and class 3. We have evaluated two power classes respectively by performing full test, for Conducted Output Power and E.I.R.P. we recorded the test result of two power classes separately, for other test items we only recorded the worst test result (Class 2) in this report.

**Note 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	QPSK	16QAM
20		0.301	0.265	18M0G7D	18M0W7D
15		0.299	0.270	13M5G7D	13M5W7D
10		0.300	0.267	9M00G7D	8M98W7D
5		0.298	0.269	4M51G7D	4M51W7D
3		0.301	0.265	2M69G7D	2M70W7D
1.4		0.299	0.265	1M10G7D	1M10W7D
<b>LTE Band 4</b>		<b>Maximum E.R.P./E.I.R.P. (W)</b>		<b>Emission Designator (99%OBW)</b>	
BW(MHz)		QPSK	16QAM	QPSK	16QAM
20		0.265	0.217	18M0G7D	18M0W7D
15		0.262	0.223	13M5G7D	13M5W7D
10		0.263	0.221	9M00G7D	8M97W7D
5		0.262	0.223	4M50G7D	4M50W7D
3		0.265	0.223	2M69G7D	2M70W7D
1.4		0.262	0.222	1M10G7D	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	QPSK	16QAM
10		0.132	0.110	8M99G7D	8M98W7D
5		0.128	0.113	4M50G7D	4M51W7D
3		0.126	0.110	2M76G7D	2M69W7D
1.4		0.130	0.113	1M10G7D	1M10W7D
<b>LTE Band 12</b>		<b>Maximum E.R.P./E.I.R.P. (W)</b>		<b>Emission Designator (99%OBW)</b>	
BW(MHz)		QPSK	16QAM	QPSK	16QAM
10		0.166	0.141	9M03G7D	9M00W7D
5		0.169	0.146	4M52G7D	4M52W7D
3		0.169	0.143	2M69G7D	2M70W7D
1.4		0.166	0.144	1M10G7D	1M10W7D
<b>LTE Band 25</b>		<b>Maximum E.R.P./E.I.R.P. (W)</b>		<b>Emission Designator (99%OBW)</b>	
BW(MHz)		QPSK	16QAM	QPSK	16QAM
20		0.304	0.267	18M0G7D	18M0W7D
15		0.302	0.279	13M5G7D	13M5W7D
10		0.300	0.274	9M03G7D	8M99W7D
5		0.303	0.267	4M51G7D	4M51W7D
3		0.303	0.272	2M69G7D	2M69W7D
1.4		0.303	0.274	1M09G7D	1M10W7D



LTE Band 26		Maximum E.R.P./E.I.R.P. (W)		Emission Designator (99%OBW)	
BW(MHz)		QPSK	16QAM	QPSK	16QAM
15		0.125	0.109	13M5G7D	13M5W7D
10		0.122	0.111	9M01G7D	8M97W7D
5		0.123	0.108	4M50G7D	4M50W7D
3		0.122	0.107	2M71G7D	2M69W7D
1.4		0.122	0.111	1M09G7D	1M11W7D
LTE Band 66		Maximum E.R.P./E.I.R.P. (W)		Emission Designator (99%OBW)	
BW(MHz)		QPSK	16QAM	QPSK	16QAM
20		0.286	0.228	18M0G7D	18M0W7D
15		0.283	0.231	13M5G7D	13M5W7D
10		0.282	0.228	9M02G7D	8M99W7D
5		0.285	0.233	4M52G7D	4M52W7D
3		0.285	0.229	2M69G7D	2M70W7D
1.4		0.284	0.232	1M10G7D	1M10W7D
LTE Band 71		Maximum E.R.P./E.I.R.P. (W)		Emission Designator (99%OBW)	
BW(MHz)		QPSK	16QAM	QPSK	16QAM
20		0.164	0.138	18M0G7D	18M0W7D
15		0.161	0.131	13M5G7D	13M5W7D
10		0.161	0.133	9M03G7D	8M99W7D
5		0.160	0.130	4M52G7D	4M51W7D

LTE Band 41	Maximum E.R.P./E.I.R.P. (W)			
	Power Class 2		Power Class 3	
BW(MHz)	QPSK	16QAM	QPSK	16QAM
20	0.845	0.656	0.439	0.340
15	0.828	0.659	0.436	0.350
10	0.828	0.653	0.438	0.347
5	0.802	0.659	0.426	0.350
LTE Band 41	Emission Designator (99%OBW)			
BW(MHz)	QPSK		16QAM	
5	4M52G7D		4M52W7D	
10	9M00G7D		8M99W7D	
15	13M5G7D		13M5W7D	
20	18M0G7D		18M0W7D	



## 1.4. Test Standards and Results

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

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

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

Section	Description	Test Date	Test Engineer	Result	Method Determination /Remark
2.1046 22.913(a)(2) 24.232(c) 27.50(c)(10) 27.50(d)(4) 27.50(h)(2)	Transmitter Conducted Output Power and E.R.P./E.I.R.P.	Oct. 27, 2022	Yu Xiaoming Li Huaijie	PASS	No deviation
2.1049	Occupied Bandwidth	Sep. 09, 2022	Li Huaijie	PASS	No deviation
2.1055 22.355 24.235 27.54	Frequency Stability	Sep. 19, 2022	Li Huaijie	PASS	No deviation
24.232(d), 27.50(d)(5)	Peak to Average Radio	Sep. 08, 2022	Li Huaijie	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(g) 27.53(h) 27.53(m)(4)	Conducted Spurious Emissions	Sep. 13, 2022	Li Huaijie	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(g)	Band Edge	Sep. 08, 2022	Li Huaijie	PASS	No deviation





27.53(h) 27.53(m)(4)					
2.1053 22.917(a) 24.238(a) 27.53(g) 27.53(h) 27.53(m)(4)	Radiated Spurious Emissions	Sep. 12, 2022	Gao Jianrou	PASS	No deviation

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

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

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

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

## 1.5. Environmental Conditions

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

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



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

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

#### **2.1.1. Requirement**

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

According to FCC section 24.232 (c) for LTE Band 2/25, Mobile and portable stations are limited to 2 watts E.I.R.P. and the equipment must employ a means for limiting power to the minimum necessary for successful communications.

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

According to FCC section22.913 (a)(2) for LTE Band 5/26, the E.R.P. of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

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

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

According to FCC section 27.50 (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.



**2.1.4. Result****Conducted Output Power:**

<b>LTE Band 2</b>						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18700	18900	19100
Frequency (MHz)				1860	1880	1900
20	QPSK	1	0	23.37	23.41	23.31
20	QPSK	1	49	23.35	23.38	23.34
20	QPSK	1	99	23.33	23.31	23.29
20	QPSK	50	0	22.39	22.46	22.34
20	QPSK	50	24	22.42	22.44	22.30
20	QPSK	50	50	22.35	22.39	22.33
20	QPSK	100	0	22.38	22.45	22.40
20	16QAM	1	0	22.55	22.67	22.58
20	16QAM	1	49	22.59	22.85	22.69
20	16QAM	1	99	22.61	22.74	22.75
20	16QAM	50	0	21.33	21.46	21.34
20	16QAM	50	24	21.29	21.35	21.36
20	16QAM	50	50	21.36	21.39	21.29
20	16QAM	100	0	21.39	21.41	21.43



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	23.36	23.38	23.28
15	QPSK	1	37	23.17	23.27	23.26
15	QPSK	1	74	23.31	23.33	23.37
15	QPSK	36	0	22.25	22.52	22.29
15	QPSK	36	20	22.33	22.54	22.15
15	QPSK	36	39	22.53	22.57	22.21
15	QPSK	75	0	22.34	22.35	22.54
15	16QAM	1	0	22.47	22.60	22.60
15	16QAM	1	37	22.62	22.94	22.50
15	16QAM	1	74	22.49	22.91	22.85
15	16QAM	36	0	21.38	21.31	21.37
15	16QAM	36	20	21.19	21.39	21.54
15	16QAM	36	39	21.45	21.38	21.44
15	16QAM	75	0	21.29	21.22	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				18650	18900	19150
Frequency (MHz)				1855	1880	1905
10	QPSK	1	0	23.27	23.37	23.36
10	QPSK	1	25	23.35	23.37	23.23
10	QPSK	1	49	23.29	23.32	23.39
10	QPSK	25	0	22.27	22.66	22.53
10	QPSK	25	12	22.60	22.57	22.23
10	QPSK	25	25	22.32	22.21	22.41
10	QPSK	50	0	22.18	22.60	22.37
10	16QAM	1	0	22.61	22.56	22.46
10	16QAM	1	25	22.65	22.89	22.70
10	16QAM	1	49	22.58	22.84	22.65
10	16QAM	25	0	21.33	21.57	21.34
10	16QAM	25	12	21.45	21.51	21.30
10	16QAM	25	25	21.43	21.26	21.13
10	16QAM	50	0	21.26	21.23	21.37



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	23.27	23.22	23.20
5	QPSK	1	12	23.25	23.36	23.31
5	QPSK	1	24	23.32	23.11	23.30
5	QPSK	12	0	22.46	22.37	22.46
5	QPSK	12	7	22.35	22.34	22.25
5	QPSK	12	13	22.18	22.26	22.35
5	QPSK	25	0	22.40	22.51	22.29
5	16QAM	1	0	22.66	22.54	22.70
5	16QAM	1	12	22.64	22.92	22.58
5	16QAM	1	24	22.47	22.76	22.62
5	16QAM	12	0	21.47	21.58	21.24
5	16QAM	12	7	21.38	21.45	21.30
5	16QAM	12	13	21.22	21.52	21.38
5	16QAM	25	0	21.42	21.59	21.39



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	23.22	23.39	23.33
3	QPSK	1	8	23.40	23.31	23.35
3	QPSK	1	14	23.35	23.36	23.16
3	QPSK	8	0	22.37	22.47	22.43
3	QPSK	8	4	22.50	22.27	22.22
3	QPSK	8	7	22.44	22.27	22.24
3	QPSK	15	0	22.55	22.49	22.33
3	16QAM	1	0	22.65	22.77	22.67
3	16QAM	1	8	22.49	22.85	22.67
3	16QAM	1	14	22.48	22.59	22.86
3	16QAM	8	0	21.26	21.42	21.43
3	16QAM	8	4	21.35	21.34	21.49
3	16QAM	8	7	21.53	21.58	21.32
3	16QAM	15	0	21.47	21.49	21.36





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	23.34	23.31	23.34
1.4	QPSK	1	3	23.16	23.32	23.15
1.4	QPSK	1	5	23.21	23.38	23.21
1.4	QPSK	3	0	22.20	22.58	22.29
1.4	QPSK	3	1	22.42	22.41	22.28
1.4	QPSK	3	3	22.53	22.26	22.17
1.4	QPSK	6	0	22.42	22.28	22.32
1.4	16QAM	1	0	22.60	22.71	22.49
1.4	16QAM	1	3	22.69	22.85	22.76
1.4	16QAM	1	5	22.62	22.64	22.79
1.4	16QAM	3	0	21.35	21.40	21.17
1.4	16QAM	3	1	21.17	21.49	21.51
1.4	16QAM	3	3	21.43	21.43	21.11
1.4	16QAM	6	0	21.32	21.41	21.23



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20050	20175	20300
Frequency (MHz)				1720	1732.5	1745
20	QPSK	1	0	23.64	23.81	23.68
20	QPSK	1	49	23.70	23.73	23.66
20	QPSK	1	99	23.59	23.51	23.69
20	QPSK	50	0	22.76	22.77	22.59
20	QPSK	50	24	22.66	22.71	22.61
20	QPSK	50	50	22.51	22.81	22.68
20	QPSK	100	0	22.62	22.82	22.57
20	16QAM	1	0	22.75	22.91	22.83
20	16QAM	1	49	22.86	22.93	22.80
20	16QAM	1	99	22.71	22.88	22.76
20	16QAM	50	0	21.69	21.83	21.77
20	16QAM	50	24	21.64	21.74	21.68
20	16QAM	50	50	21.58	21.69	21.57
20	16QAM	100	0	21.66	21.79	21.63



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	23.72	23.69	23.70
15	QPSK	1	37	23.71	23.76	23.76
15	QPSK	1	74	23.54	23.32	23.68
15	QPSK	36	0	22.75	22.77	22.45
15	QPSK	36	20	22.74	22.76	22.48
15	QPSK	36	39	22.53	22.89	22.56
15	QPSK	75	0	22.57	22.62	22.62
15	16QAM	1	0	22.83	23.01	22.79
15	16QAM	1	37	22.93	23.02	22.67
15	16QAM	1	74	22.56	23.06	22.60
15	16QAM	36	0	21.80	21.66	21.75
15	16QAM	36	20	21.49	21.92	21.85
15	16QAM	36	39	21.59	21.70	21.74
15	16QAM	75	0	21.54	21.72	21.83



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	23.61	23.76	23.64
10	QPSK	1	25	23.77	23.76	23.72
10	QPSK	1	49	23.70	23.47	23.71
10	QPSK	25	0	22.71	22.68	22.48
10	QPSK	25	12	22.66	22.61	22.46
10	QPSK	25	25	22.54	22.88	22.76
10	QPSK	50	0	22.43	22.92	22.46
10	16QAM	1	0	22.59	22.77	22.89
10	16QAM	1	25	23.01	22.98	22.86
10	16QAM	1	49	22.65	22.72	22.57
10	16QAM	25	0	21.83	21.70	21.83
10	16QAM	25	12	21.51	21.59	21.51
10	16QAM	25	25	21.46	21.75	21.70
10	16QAM	50	0	21.63	21.82	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				19975	20175	20375
Frequency (MHz)				1712.5	1732.5	1752.5
5	QPSK	1	0	23.48	23.70	23.63
5	QPSK	1	12	23.75	23.74	23.58
5	QPSK	1	24	23.44	23.49	23.71
5	QPSK	12	0	22.56	22.73	22.69
5	QPSK	12	7	22.63	22.62	22.62
5	QPSK	12	13	22.60	22.72	22.66
5	QPSK	25	0	22.64	22.98	22.68
5	16QAM	1	0	22.60	22.96	22.75
5	16QAM	1	12	23.05	22.73	22.97
5	16QAM	1	24	22.62	22.89	22.75
5	16QAM	12	0	21.63	21.92	21.87
5	16QAM	12	7	21.78	21.89	21.64
5	16QAM	12	13	21.57	21.88	21.51
5	16QAM	25	0	21.64	21.73	21.49



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	23.62	23.73	23.61
3	QPSK	1	8	23.56	23.80	23.68
3	QPSK	1	14	23.61	23.46	23.73
3	QPSK	8	0	22.59	22.90	22.42
3	QPSK	8	4	22.77	22.60	22.59
3	QPSK	8	7	22.40	22.75	22.75
3	QPSK	15	0	22.59	22.68	22.68
3	16QAM	1	0	22.70	23.03	22.96
3	16QAM	1	8	23.06	23.05	22.66
3	16QAM	1	14	22.57	22.97	22.70
3	16QAM	8	0	21.83	21.94	21.79
3	16QAM	8	4	21.80	21.76	21.77
3	16QAM	8	7	21.62	21.55	21.50
3	16QAM	15	0	21.83	21.95	21.64



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	23.59	23.75	23.72
1.4	QPSK	1	3	23.74	23.68	23.75
1.4	QPSK	1	5	23.65	23.37	23.49
1.4	QPSK	3	0	22.80	22.67	22.63
1.4	QPSK	3	1	22.81	22.51	22.80
1.4	QPSK	3	3	22.63	22.78	22.68
1.4	QPSK	6	0	22.65	22.96	22.77
1.4	16QAM	1	0	22.83	22.72	23.03
1.4	16QAM	1	3	22.90	22.78	22.80
1.4	16QAM	1	5	22.68	22.95	22.73
1.4	16QAM	3	0	21.51	21.75	21.92
1.4	16QAM	3	1	21.57	21.78	21.77
1.4	16QAM	3	3	21.63	21.79	21.51
1.4	16QAM	6	0	21.46	21.73	21.65



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	23.90	23.93	23.84
10	QPSK	1	25	23.70	23.83	23.69
10	QPSK	1	49	23.69	23.75	23.66
10	QPSK	25	0	22.69	22.87	22.79
10	QPSK	25	12	22.75	22.83	22.70
10	QPSK	25	25	22.76	22.86	22.73
10	QPSK	50	0	22.63	22.90	22.81
10	16QAM	1	0	23.05	23.11	23.10
10	16QAM	1	25	23.01	23.08	23.03
10	16QAM	1	49	23.08	23.14	23.00
10	16QAM	25	0	21.75	21.90	21.88
10	16QAM	25	12	21.69	21.87	21.78
10	16QAM	25	25	21.77	21.81	21.83
10	16QAM	50	0	21.68	21.75	21.76





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	23.80	23.75	23.78
5	QPSK	1	12	23.59	23.69	23.64
5	QPSK	1	24	23.52	23.55	23.80
5	QPSK	12	0	22.65	22.95	22.74
5	QPSK	12	7	22.72	22.81	22.61
5	QPSK	12	13	22.68	22.93	22.82
5	QPSK	25	0	22.69	22.77	22.95
5	16QAM	1	0	23.11	23.27	23.17
5	16QAM	1	12	22.93	23.08	23.08
5	16QAM	1	24	23.13	23.25	22.86
5	16QAM	12	0	21.63	21.91	21.96
5	16QAM	12	7	21.57	21.99	21.90
5	16QAM	12	13	21.58	21.87	21.78
5	16QAM	25	0	21.65	21.70	21.81



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	23.71	23.61	23.69
3	QPSK	1	8	23.63	23.67	23.49
3	QPSK	1	14	23.53	23.66	23.75
3	QPSK	8	0	22.50	22.73	22.79
3	QPSK	8	4	22.80	22.77	22.62
3	QPSK	8	7	22.78	22.82	22.79
3	QPSK	15	0	22.64	23.09	22.81
3	16QAM	1	0	22.98	23.17	23.03
3	16QAM	1	8	22.91	22.89	22.88
3	16QAM	1	14	22.80	22.96	23.05
3	16QAM	8	0	21.79	21.95	21.83
3	16QAM	8	4	21.56	21.93	21.97
3	16QAM	8	7	21.71	21.81	21.74
3	16QAM	15	0	21.79	21.58	21.93



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	23.66	23.84	23.83
1.4	QPSK	1	3	23.73	23.65	23.63
1.4	QPSK	1	5	23.85	23.88	23.64
1.4	QPSK	3	0	22.79	22.68	22.89
1.4	QPSK	3	1	22.62	22.69	22.70
1.4	QPSK	3	3	22.69	23.00	22.85
1.4	QPSK	6	0	22.67	22.98	22.65
1.4	16QAM	1	0	23.03	23.27	22.97
1.4	16QAM	1	3	22.93	22.96	22.86
1.4	16QAM	1	5	23.12	23.09	22.88
1.4	16QAM	3	0	21.90	21.92	21.89
1.4	16QAM	3	1	21.64	21.86	21.88
1.4	16QAM	3	3	21.80	21.63	21.64
1.4	16QAM	6	0	21.56	21.75	21.61



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23060	23095	23130
Frequency (MHz)				704	707.5	711
10	QPSK	1	0	23.71	23.86	23.76
10	QPSK	1	25	23.77	23.83	23.79
10	QPSK	1	49	23.74	23.68	23.77
10	QPSK	25	0	22.72	22.75	22.70
10	QPSK	25	12	22.73	22.71	22.61
10	QPSK	25	25	22.80	22.69	22.66
10	QPSK	50	0	22.75	22.81	22.68
10	16QAM	1	0	23.11	23.15	23.00
10	16QAM	1	25	23.14	23.10	22.88
10	16QAM	1	49	23.02	23.06	22.91
10	16QAM	25	0	21.75	21.91	21.66
10	16QAM	25	12	21.81	21.87	21.70
10	16QAM	25	25	21.86	21.84	21.57
10	16QAM	50	0	21.65	21.75	21.49



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23035	23095	23155
Frequency (MHz)				701.5	707.5	713.5
5	QPSK	1	0	23.63	23.94	23.72
5	QPSK	1	12	23.87	23.75	23.74
5	QPSK	1	24	23.84	23.58	23.78
5	QPSK	12	0	22.54	22.86	22.84
5	QPSK	12	7	22.88	22.73	22.80
5	QPSK	12	13	22.86	22.79	22.69
5	QPSK	25	0	22.93	22.87	22.59
5	16QAM	1	0	22.93	23.25	23.15
5	16QAM	1	12	23.30	22.98	22.68
5	16QAM	1	24	23.08	22.97	22.92
5	16QAM	12	0	21.85	21.83	21.70
5	16QAM	12	7	21.82	21.95	21.52
5	16QAM	12	13	21.91	21.81	21.51
5	16QAM	25	0	21.80	21.78	21.63



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23025	23095	23165
Frequency (MHz)				700.5	707.5	714.5
3	QPSK	1	0	23.73	23.70	23.89
3	QPSK	1	8	23.89	23.92	23.68
3	QPSK	1	14	23.78	23.62	23.85
3	QPSK	8	0	22.56	22.93	23.05
3	QPSK	8	4	22.68	22.73	22.75
3	QPSK	8	7	22.84	22.74	22.76
3	QPSK	15	0	22.61	22.74	22.83
3	16QAM	1	0	23.11	23.17	23.20
3	16QAM	1	8	23.04	23.14	23.02
3	16QAM	1	14	22.90	22.91	22.98
3	16QAM	8	0	21.85	21.84	21.79
3	16QAM	8	4	21.64	21.84	21.87
3	16QAM	8	7	22.03	21.89	21.38
3	16QAM	15	0	21.65	21.69	21.49



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23017	23095	23173
Frequency (MHz)				699.7	707.5	715.3
1.4	QPSK	1	0	23.61	23.84	23.63
1.4	QPSK	1	3	23.72	23.82	23.86
1.4	QPSK	1	5	23.63	23.73	23.76
1.4	QPSK	3	0	22.76	22.56	22.74
1.4	QPSK	3	1	22.75	22.68	22.63
1.4	QPSK	3	3	22.90	22.78	22.60
1.4	QPSK	6	0	22.79	22.66	22.49
1.4	16QAM	1	0	23.14	23.23	23.08
1.4	16QAM	1	3	23.21	23.01	23.02
1.4	16QAM	1	5	22.82	23.08	22.92
1.4	16QAM	3	0	21.78	21.91	21.60
1.4	16QAM	3	1	21.72	21.98	21.72
1.4	16QAM	3	3	21.94	22.03	21.44
1.4	16QAM	6	0	21.53	21.76	21.50



LTE Band 25						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26140	26365	26590
Frequency (MHz)				1860	1882.5	1905
20	QPSK	1	0	23.41	23.45	23.38
20	QPSK	1	49	23.32	23.36	23.32
20	QPSK	1	99	23.36	23.35	23.30
20	QPSK	50	0	22.35	22.42	22.36
20	QPSK	50	24	22.29	22.46	22.33
20	QPSK	50	50	22.31	22.39	22.37
20	QPSK	100	0	22.37	22.48	22.40
20	16QAM	1	0	22.66	22.88	22.71
20	16QAM	1	49	22.71	22.85	22.68
20	16QAM	1	99	22.79	22.69	22.66
20	16QAM	50	0	21.42	21.46	21.40
20	16QAM	50	24	21.29	21.45	21.33
20	16QAM	50	50	21.33	21.43	21.35
20	16QAM	100	0	21.39	21.41	21.29





LTE Band 25						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26115	26365	26615
Frequency (MHz)				1857.5	1882.5	1907.5
15	QPSK	1	0	23.37	23.35	23.34
15	QPSK	1	37	23.26	23.42	23.34
15	QPSK	1	74	23.40	23.39	23.26
15	QPSK	36	0	22.53	22.44	22.48
15	QPSK	36	20	22.26	22.53	22.13
15	QPSK	36	39	22.31	22.36	22.53
15	QPSK	75	0	22.28	22.62	22.47
15	16QAM	1	0	22.62	23.08	22.63
15	16QAM	1	37	22.89	22.75	22.80
15	16QAM	1	74	22.91	22.66	22.76
15	16QAM	36	0	21.39	21.30	21.47
15	16QAM	36	20	21.09	21.40	21.53
15	16QAM	36	39	21.40	21.47	21.22
15	16QAM	75	0	21.46	21.58	21.45



LTE Band 25						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26090	26365	26640
Frequency (MHz)				1855	1882.5	1910
10	QPSK	1	0	23.22	23.33	23.24
10	QPSK	1	25	23.37	23.36	23.34
10	QPSK	1	49	23.39	23.18	23.36
10	QPSK	25	0	22.54	22.37	22.39
10	QPSK	25	12	22.21	22.64	22.23
10	QPSK	25	25	22.18	22.47	22.50
10	QPSK	50	0	22.41	22.67	22.44
10	16QAM	1	0	22.67	22.73	22.63
10	16QAM	1	25	22.67	23.00	22.52
10	16QAM	1	49	22.65	22.81	22.57
10	16QAM	25	0	21.45	21.54	21.54
10	16QAM	25	12	21.39	21.31	21.22
10	16QAM	25	25	21.42	21.56	21.24
10	16QAM	50	0	21.22	21.61	21.18



LTE Band 25						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26065	26365	26665
Frequency (MHz)				1852.5	1882.5	1912.5
5	QPSK	1	0	23.44	23.26	23.30
5	QPSK	1	12	23.22	23.20	23.42
5	QPSK	1	24	23.37	23.23	23.43
5	QPSK	12	0	22.42	22.44	22.29
5	QPSK	12	7	22.09	22.33	22.44
5	QPSK	12	13	22.20	22.27	22.35
5	QPSK	25	0	22.36	22.42	22.43
5	16QAM	1	0	22.80	22.89	22.75
5	16QAM	1	12	22.51	22.69	22.59
5	16QAM	1	24	22.89	22.57	22.63
5	16QAM	12	0	21.55	21.41	21.54
5	16QAM	12	7	21.25	21.33	21.37
5	16QAM	12	13	21.18	21.48	21.34
5	16QAM	25	0	21.51	21.61	21.23



LTE Band 25						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26055	26365	26675
Frequency (MHz)				1851.5	1882.5	1913.5
3	QPSK	1	0	23.17	23.27	23.35
3	QPSK	1	8	23.32	23.44	23.26
3	QPSK	1	14	23.36	23.34	23.23
3	QPSK	8	0	22.52	22.48	22.52
3	QPSK	8	4	22.32	22.62	22.38
3	QPSK	8	7	22.31	22.35	22.21
3	QPSK	15	0	22.33	22.53	22.59
3	16QAM	1	0	22.81	22.95	22.90
3	16QAM	1	8	22.83	22.93	22.48
3	16QAM	1	14	22.97	22.83	22.83
3	16QAM	8	0	21.32	21.44	21.41
3	16QAM	8	4	21.11	21.45	21.39
3	16QAM	8	7	21.47	21.43	21.25
3	16QAM	15	0	21.29	21.41	21.49



LTE Band 25						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26047	26365	26683
Frequency (MHz)				1850.7	1882.5	1914.3
1.4	QPSK	1	0	23.37	23.37	23.31
1.4	QPSK	1	3	23.17	23.16	23.39
1.4	QPSK	1	5	23.44	23.40	23.36
1.4	QPSK	3	0	22.25	22.59	22.44
1.4	QPSK	3	1	22.31	22.31	22.26
1.4	QPSK	3	3	22.17	22.25	22.40
1.4	QPSK	6	0	22.28	22.29	22.51
1.4	16QAM	1	0	22.52	22.71	22.91
1.4	16QAM	1	3	22.58	23.00	22.73
1.4	16QAM	1	5	22.74	22.50	22.54
1.4	16QAM	3	0	21.53	21.56	21.58
1.4	16QAM	3	1	21.53	21.51	21.57
1.4	16QAM	3	3	21.57	21.54	21.55
1.4	16QAM	6	0	21.34	21.32	21.15



LTE Band 26						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26865	26915	26965
Frequency (MHz)				831.5	836.5	841.5
15	QPSK	1	0	23.70	23.61	23.59
15	QPSK	1	37	23.62	23.61	23.62
15	QPSK	1	74	23.53	23.43	23.54
15	QPSK	36	0	22.72	22.65	22.70
15	QPSK	36	20	22.75	22.65	22.63
15	QPSK	36	39	22.63	22.61	22.67
15	QPSK	75	0	22.68	22.56	22.68
15	16QAM	1	0	23.06	22.96	23.04
15	16QAM	1	37	23.11	23.07	23.02
15	16QAM	1	74	23.01	22.89	23.05
15	16QAM	36	0	21.70	21.58	21.59
15	16QAM	36	20	21.59	21.52	21.64
15	16QAM	36	39	21.62	21.61	21.65
15	16QAM	75	0	21.73	21.67	21.58



LTE Band 26						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26840	26915	26990
Frequency (MHz)				829	836.5	844
10	QPSK	1	0	23.54	23.59	23.61
10	QPSK	1	25	23.54	23.52	23.55
10	QPSK	1	49	23.44	23.45	23.55
10	QPSK	25	0	22.50	22.48	22.54
10	QPSK	25	12	22.70	22.77	22.79
10	QPSK	25	25	22.80	22.82	22.85
10	QPSK	50	0	22.56	22.48	22.58
10	16QAM	1	0	23.00	22.94	23.06
10	16QAM	1	25	22.94	23.04	23.05
10	16QAM	1	49	23.17	23.13	23.19
10	16QAM	25	0	21.40	21.48	21.49
10	16QAM	25	12	21.54	21.55	21.59
10	16QAM	25	25	21.68	21.68	21.73
10	16QAM	50	0	21.57	21.54	21.62



LTE Band 26						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26815	26915	27015
Frequency (MHz)				826.5	836.5	846.5
5	QPSK	1	0	23.53	23.61	23.63
5	QPSK	1	12	23.44	23.44	23.53
5	QPSK	1	24	23.47	23.44	23.55
5	QPSK	12	0	22.48	22.50	22.51
5	QPSK	12	7	22.60	22.71	22.72
5	QPSK	12	13	22.75	22.75	22.78
5	QPSK	25	0	22.71	22.74	22.75
5	16QAM	1	0	22.83	22.84	22.86
5	16QAM	1	12	22.84	22.86	22.87
5	16QAM	1	24	23.03	23.05	23.08
5	16QAM	12	0	21.62	21.70	21.71
5	16QAM	12	7	21.73	21.72	21.76
5	16QAM	12	13	21.48	21.49	21.58
5	16QAM	25	0	21.70	21.69	21.75





LTE Band 26						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26805	26915	27025
Frequency (MHz)				825.5	836.5	847.5
3	QPSK	1	0	23.28	23.30	23.39
3	QPSK	1	8	23.53	23.56	23.62
3	QPSK	1	14	23.41	23.39	23.46
3	QPSK	8	0	22.46	22.44	22.51
3	QPSK	8	4	22.51	22.56	22.58
3	QPSK	8	7	22.63	22.53	22.64
3	QPSK	15	0	22.60	22.65	22.72
3	16QAM	1	0	22.94	22.92	22.98
3	16QAM	1	8	23.00	22.97	23.04
3	16QAM	1	14	22.90	22.90	23.01
3	16QAM	8	0	21.74	21.69	21.77
3	16QAM	8	4	21.36	21.35	21.47
3	16QAM	8	7	21.63	21.68	21.75
3	16QAM	15	0	21.63	21.59	21.65



LTE Band 26						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26797	26915	27033
Frequency (MHz)				824.7	836.5	848.3
1.4	QPSK	1	0	23.56	23.51	23.59
1.4	QPSK	1	3	23.44	23.48	23.52
1.4	QPSK	1	5	23.55	23.51	23.58
1.4	QPSK	3	0	22.42	22.46	22.53
1.4	QPSK	3	1	22.57	22.60	22.64
1.4	QPSK	3	3	22.75	22.72	22.82
1.4	QPSK	6	0	22.42	22.50	22.51
1.4	16QAM	1	0	23.15	23.16	23.18
1.4	16QAM	1	3	22.95	22.98	23.06
1.4	16QAM	1	5	22.98	22.92	22.99
1.4	16QAM	3	0	21.71	21.61	21.72
1.4	16QAM	3	1	21.45	21.48	21.55
1.4	16QAM	3	3	21.74	21.80	21.81
1.4	16QAM	6	0	21.61	21.65	21.68



LTE Band 41(Power Class 2)						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39750	40620	41490
Frequency (MHz)				2506	2593	2680
20	QPSK	1	0	26.68	26.80	26.77
20	QPSK	1	49	26.60	26.73	26.70
20	QPSK	1	99	26.51	26.76	26.56
20	QPSK	50	0	25.59	25.80	25.58
20	QPSK	50	24	25.54	25.78	25.59
20	QPSK	50	50	25.62	25.76	25.54
20	QPSK	100	0	25.57	25.73	25.59
20	16QAM	1	0	25.51	25.70	25.57
20	16QAM	1	49	25.66	25.64	25.55
20	16QAM	1	99	25.48	25.54	25.48
20	16QAM	50	0	24.53	24.78	24.55
20	16QAM	50	24	24.60	24.72	24.54
20	16QAM	50	50	24.63	24.53	24.43
20	16QAM	100	0	24.54	24.61	24.45



LTE Band 41(Power Class 2)						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39725	40620	41515
Frequency (MHz)				2503.5	2593	2682.5
15	QPSK	1	0	26.56	26.71	26.62
15	QPSK	1	37	26.42	26.41	26.65
15	QPSK	1	74	26.41	26.67	26.66
15	QPSK	36	0	25.67	25.89	25.28
15	QPSK	36	20	25.56	25.74	25.60
15	QPSK	36	39	25.64	25.55	25.46
15	QPSK	75	0	25.60	25.57	25.44
15	16QAM	1	0	25.40	25.72	25.27
15	16QAM	1	37	25.50	25.62	25.45
15	16QAM	1	74	25.39	25.54	25.25
15	16QAM	36	0	24.47	24.55	24.29
15	16QAM	36	20	24.56	24.61	24.60
15	16QAM	36	39	24.47	24.51	24.14
15	16QAM	75	0	24.40	24.48	24.37



LTE Band 41(Power Class 2)						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39700	40620	41540
Frequency (MHz)				2501	2593	2685
10	QPSK	1	0	26.64	26.71	26.66
10	QPSK	1	25	26.69	26.67	26.48
10	QPSK	1	49	26.25	26.63	26.32
10	QPSK	25	0	25.42	25.52	25.36
10	QPSK	25	12	25.52	25.87	25.40
10	QPSK	25	25	25.54	25.68	25.54
10	QPSK	50	0	25.67	25.72	25.54
10	16QAM	1	0	25.35	25.68	25.44
10	16QAM	1	25	25.66	25.65	25.31
10	16QAM	1	49	25.44	25.34	25.39
10	16QAM	25	0	24.24	24.55	24.26
10	16QAM	25	12	24.62	24.53	24.51
10	16QAM	25	25	24.39	24.24	24.48
10	16QAM	50	0	24.58	24.33	24.19



LTE Band 41(Power Class 2)						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39675	40620	41565
Frequency (MHz)				2498.5	2593	2687.5
5	QPSK	1	0	26.30	26.50	26.41
5	QPSK	1	12	26.57	26.51	26.39
5	QPSK	1	24	26.33	26.50	26.39
5	QPSK	12	0	25.56	25.90	25.43
5	QPSK	12	7	25.40	25.82	25.41
5	QPSK	12	13	25.63	25.59	25.64
5	QPSK	25	0	25.49	25.45	25.52
5	16QAM	1	0	25.37	25.72	25.47
5	16QAM	1	12	25.63	25.36	25.30
5	16QAM	1	24	25.18	25.26	25.58
5	16QAM	12	0	24.34	24.86	24.64
5	16QAM	12	7	24.37	24.79	24.46
5	16QAM	12	13	24.63	24.31	24.17
5	16QAM	25	0	24.42	24.46	24.27



LTE Band 41(Power Class 3)						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39750	40620	41490
Frequency (MHz)				2506	2593	2680
20	QPSK	1	0	23.83	23.95	23.92
20	QPSK	1	49	23.75	23.88	23.85
20	QPSK	1	99	23.66	23.91	23.71
20	QPSK	50	0	22.74	22.95	22.73
20	QPSK	50	24	22.69	22.93	22.74
20	QPSK	50	50	22.77	22.91	22.69
20	QPSK	100	0	22.72	22.88	22.74
20	16QAM	1	0	22.66	22.85	22.72
20	16QAM	1	49	22.81	22.79	22.70
20	16QAM	1	99	22.63	22.69	22.63
20	16QAM	50	0	21.68	21.93	21.70
20	16QAM	50	24	21.75	21.87	21.69
20	16QAM	50	50	21.78	21.68	21.58
20	16QAM	100	0	21.69	21.76	21.60



LTE Band 41(Power Class 3)						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39725	40620	41515
Frequency (MHz)				2503.5	2593	2682.5
15	QPSK	1	0	23.81	23.65	23.87
15	QPSK	1	37	23.67	23.66	23.90
15	QPSK	1	74	23.66	23.92	23.91
15	QPSK	36	0	22.92	23.14	22.53
15	QPSK	36	20	22.81	22.99	22.85
15	QPSK	36	39	22.89	22.80	22.71
15	QPSK	75	0	22.85	22.82	22.69
15	16QAM	1	0	22.65	22.97	22.52
15	16QAM	1	37	22.75	22.87	22.70
15	16QAM	1	74	22.64	22.79	22.50
15	16QAM	36	0	21.72	21.80	21.54
15	16QAM	36	20	21.81	21.86	21.85
15	16QAM	36	39	21.72	21.76	21.39
15	16QAM	75	0	21.65	21.73	21.62





LTE Band 41(Power Class 3)						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39700	40620	41540
Frequency (MHz)				2501	2593	2685
10	QPSK	1	0	23.89	23.88	23.91
10	QPSK	1	25	23.94	23.92	23.73
10	QPSK	1	49	23.50	23.88	23.57
10	QPSK	25	0	22.67	22.77	22.61
10	QPSK	25	12	22.77	23.12	22.65
10	QPSK	25	25	22.79	22.93	22.79
10	QPSK	50	0	22.92	22.97	22.79
10	16QAM	1	0	22.60	22.93	22.69
10	16QAM	1	25	22.91	22.90	22.56
10	16QAM	1	49	22.69	22.59	22.64
10	16QAM	25	0	21.49	21.80	21.51
10	16QAM	25	12	21.87	21.78	21.76
10	16QAM	25	25	21.64	21.49	21.73
10	16QAM	50	0	21.83	21.58	21.44



LTE Band 41(Power Class 3)						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39675	40620	41565
Frequency (MHz)				2498.5	2593	2687.5
5	QPSK	1	0	23.55	23.75	23.66
5	QPSK	1	12	23.82	23.76	23.64
5	QPSK	1	24	23.58	23.75	23.64
5	QPSK	12	0	22.81	23.15	22.68
5	QPSK	12	7	22.65	23.07	22.66
5	QPSK	12	13	22.88	22.84	22.89
5	QPSK	25	0	22.74	22.70	22.77
5	16QAM	1	0	22.62	22.97	22.72
5	16QAM	1	12	22.88	22.61	22.55
5	16QAM	1	24	22.43	22.51	22.83
5	16QAM	12	0	21.59	22.11	21.89
5	16QAM	12	7	21.62	22.04	21.71
5	16QAM	12	13	21.88	21.56	21.42
5	16QAM	25	0	21.67	21.71	21.52



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132072	132322	132572
Frequency (MHz)				1720	1745	1770
20	QPSK	1	0	23.77	23.86	23.79
20	QPSK	1	49	23.66	23.69	23.71
20	QPSK	1	99	23.70	23.75	23.82
20	QPSK	50	0	22.81	22.90	22.79
20	QPSK	50	24	22.69	22.83	22.80
20	QPSK	50	50	22.78	22.76	22.66
20	QPSK	100	0	22.73	22.75	22.68
20	16QAM	1	0	22.70	22.88	22.63
20	16QAM	1	49	22.65	22.83	22.59
20	16QAM	1	99	22.78	22.68	22.71
20	16QAM	50	0	21.89	21.95	21.83
20	16QAM	50	24	21.77	21.89	21.67
20	16QAM	50	50	21.68	21.76	21.79
20	16QAM	100	0	21.75	21.88	21.80



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	23.72	23.55	23.69
15	QPSK	1	37	23.82	23.75	23.79
15	QPSK	1	74	23.61	23.82	23.53
15	QPSK	36	0	22.79	22.82	22.96
15	QPSK	36	20	22.85	22.69	22.83
15	QPSK	36	39	22.88	22.79	22.52
15	QPSK	75	0	22.76	22.64	22.60
15	16QAM	1	0	22.52	22.80	22.55
15	16QAM	1	37	22.70	22.94	22.71
15	16QAM	1	74	22.68	22.85	22.59
15	16QAM	36	0	21.95	22.02	21.94
15	16QAM	36	20	21.86	21.97	21.71
15	16QAM	36	39	21.66	21.64	21.82
15	16QAM	75	0	21.90	21.76	21.82



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	23.58	23.69	23.69
10	QPSK	1	25	23.52	23.79	23.57
10	QPSK	1	49	23.76	23.81	23.62
10	QPSK	25	0	22.65	22.89	22.87
10	QPSK	25	12	22.56	22.72	22.60
10	QPSK	25	25	22.91	22.83	22.47
10	QPSK	50	0	22.72	22.55	22.54
10	16QAM	1	0	22.84	22.88	22.79
10	16QAM	1	25	22.58	22.70	22.72
10	16QAM	1	49	22.62	22.79	22.67
10	16QAM	25	0	21.87	21.80	21.87
10	16QAM	25	12	21.82	21.75	21.75
10	16QAM	25	25	21.74	21.83	21.59
10	16QAM	50	0	21.55	21.80	21.96



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	23.60	23.59	23.78
5	QPSK	1	12	23.46	23.85	23.59
5	QPSK	1	24	23.66	23.57	23.80
5	QPSK	12	0	22.67	22.90	22.89
5	QPSK	12	7	22.52	22.75	22.63
5	QPSK	12	13	22.94	22.88	22.59
5	QPSK	25	0	22.72	22.74	22.49
5	16QAM	1	0	22.90	22.96	22.55
5	16QAM	1	12	22.64	22.98	22.61
5	16QAM	1	24	22.59	22.84	22.52
5	16QAM	12	0	22.04	22.05	21.88
5	16QAM	12	7	21.91	21.73	21.76
5	16QAM	12	13	21.60	21.64	21.70
5	16QAM	25	0	21.68	21.81	21.68



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	23.81	23.63	23.72
3	QPSK	1	8	23.85	23.65	23.54
3	QPSK	1	14	23.62	23.77	23.65
3	QPSK	8	0	22.91	23.02	22.91
3	QPSK	8	4	22.53	22.88	22.69
3	QPSK	8	7	22.79	22.85	22.70
3	QPSK	15	0	22.82	22.72	22.57
3	16QAM	1	0	22.73	22.81	22.46
3	16QAM	1	8	22.79	22.89	22.53
3	16QAM	1	14	22.83	22.72	22.56
3	16QAM	8	0	21.87	22.00	22.01
3	16QAM	8	4	21.60	21.96	21.69
3	16QAM	8	7	21.78	21.71	21.96
3	16QAM	15	0	21.79	21.78	21.71



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	23.64	23.65	23.76
1.4	QPSK	1	3	23.84	23.60	23.81
1.4	QPSK	1	5	23.82	23.83	23.70
1.4	QPSK	3	0	22.83	22.92	22.91
1.4	QPSK	3	1	22.55	23.00	22.86
1.4	QPSK	3	3	22.88	22.65	22.81
1.4	QPSK	6	0	22.84	22.78	22.81
1.4	16QAM	1	0	22.73	22.95	22.52
1.4	16QAM	1	3	22.47	22.75	22.53
1.4	16QAM	1	5	22.68	22.64	22.62
1.4	16QAM	3	0	21.97	21.94	22.03
1.4	16QAM	3	1	21.72	21.93	21.76
1.4	16QAM	3	3	21.64	21.95	21.75
1.4	16QAM	6	0	21.64	21.92	21.63





LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133222	133322	133372
Frequency (MHz)				673	683	688
20	QPSK	1	0	23.77	23.80	23.73
20	QPSK	1	49	23.65	23.76	23.62
20	QPSK	1	99	23.70	23.67	23.66
20	QPSK	50	0	22.97	23.03	22.94
20	QPSK	50	24	22.98	23.03	22.99
20	QPSK	50	50	22.89	22.95	23.01
20	QPSK	100	0	22.93	23.08	23.02
20	16QAM	1	0	22.90	23.00	22.99
20	16QAM	1	49	23.04	23.03	22.98
20	16QAM	1	99	22.96	23.02	22.94
20	16QAM	50	0	22.07	22.14	22.06
20	16QAM	50	24	22.12	22.17	22.09
20	16QAM	50	50	22.03	22.10	22.12
20	16QAM	100	0	22.11	22.09	22.15



LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133197	133297	133397
Frequency (MHz)				670.8	680.5	690.5
15	QPSK	1	0	23.58	23.65	23.61
15	QPSK	1	37	23.58	23.69	23.48
15	QPSK	1	74	23.73	23.59	23.46
15	QPSK	36	0	22.78	22.58	22.54
15	QPSK	36	20	22.72	22.77	22.79
15	QPSK	36	39	22.58	22.59	22.71
15	QPSK	75	0	22.74	22.82	22.74
15	16QAM	1	0	22.63	22.62	22.82
15	16QAM	1	37	22.69	22.81	22.74
15	16QAM	1	74	22.65	22.77	22.70
15	16QAM	36	0	21.91	21.84	21.83
15	16QAM	36	20	21.88	21.87	21.90
15	16QAM	36	39	21.91	21.91	21.93
15	16QAM	75	0	21.88	21.91	21.88



LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133172	133272	133422
Frequency (MHz)				668	678	693
10	QPSK	1	0	23.68	23.71	23.58
10	QPSK	1	25	23.49	23.69	23.60
10	QPSK	1	49	23.60	23.57	23.54
10	QPSK	25	0	22.87	22.77	22.70
10	QPSK	25	12	22.92	22.83	22.91
10	QPSK	25	25	22.55	22.65	22.86
10	QPSK	50	0	22.69	22.81	22.83
10	16QAM	1	0	22.78	22.74	22.88
10	16QAM	1	25	22.71	22.85	22.68
10	16QAM	1	49	22.86	22.86	22.73
10	16QAM	25	0	21.91	21.99	21.88
10	16QAM	25	12	21.90	21.94	21.92
10	16QAM	25	25	22.04	22.08	22.02
10	16QAM	50	0	21.95	22.05	22.00



LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133147	133247	133447
Frequency (MHz)				665.5	675.5	695.5
5	QPSK	1	0	23.62	23.68	23.43
5	QPSK	1	12	23.30	23.61	23.60
5	QPSK	1	24	23.40	23.52	23.67
5	QPSK	12	0	22.75	22.77	22.68
5	QPSK	12	7	22.54	22.71	22.61
5	QPSK	12	13	22.58	22.53	22.83
5	QPSK	25	0	22.81	22.64	22.72
5	16QAM	1	0	22.62	22.76	22.64
5	16QAM	1	12	22.72	22.78	22.70
5	16QAM	1	24	22.53	22.67	22.77
5	16QAM	12	0	21.94	22.02	21.84
5	16QAM	12	7	21.84	22.01	22.00
5	16QAM	12	13	21.97	21.80	21.96
5	16QAM	25	0	21.79	21.75	22.00



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

LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18700		18900		19100	
Frequency (MHz)				1860		1880		1900	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	24.75	0.299	24.79	0.301	24.69	0.294
20	QPSK	1	49	24.73	0.297	24.76	0.299	24.72	0.296
20	QPSK	1	99	24.71	0.296	24.69	0.294	24.67	0.293
20	QPSK	50	0	23.77	0.238	23.84	0.242	23.72	0.236
20	QPSK	50	24	23.80	0.240	23.82	0.241	23.68	0.233
20	QPSK	50	50	23.73	0.236	23.77	0.238	23.71	0.235
20	QPSK	100	0	23.76	0.238	23.83	0.242	23.78	0.239
20	16QAM	1	0	23.93	0.247	24.05	0.254	23.96	0.249
20	16QAM	1	49	23.97	0.249	24.23	0.265	24.07	0.255
20	16QAM	1	99	23.99	0.251	24.12	0.258	24.13	0.259
20	16QAM	50	0	22.71	0.187	22.84	0.192	22.72	0.187
20	16QAM	50	24	22.67	0.185	22.73	0.187	22.74	0.188
20	16QAM	50	50	22.74	0.188	22.77	0.189	22.67	0.185
20	16QAM	100	0	22.77	0.189	22.79	0.190	22.81	0.191



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18675		18900		19125	
Frequency (MHz)				1857.5		1880		1902.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	24.74	0.298	24.76	0.299	24.66	0.292
15	QPSK	1	37	24.55	0.285	24.65	0.292	24.64	0.291
15	QPSK	1	74	24.69	0.294	24.71	0.296	24.75	0.299
15	QPSK	36	0	23.63	0.231	23.90	0.245	23.67	0.233
15	QPSK	36	20	23.71	0.235	23.92	0.247	23.53	0.225
15	QPSK	36	39	23.91	0.246	23.95	0.248	23.59	0.229
15	QPSK	75	0	23.72	0.236	23.73	0.236	23.92	0.247
15	16QAM	1	0	23.85	0.243	23.98	0.250	23.98	0.250
15	16QAM	1	37	24.00	0.251	24.32	0.270	23.88	0.244
15	16QAM	1	74	23.87	0.244	24.29	0.269	24.23	0.265
15	16QAM	36	0	22.76	0.189	22.69	0.186	22.75	0.188
15	16QAM	36	20	22.57	0.181	22.77	0.189	22.92	0.196
15	16QAM	36	39	22.83	0.192	22.76	0.189	22.82	0.191
15	16QAM	75	0	22.67	0.185	22.60	0.182	22.66	0.185



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18650		18900		19150	
Frequency (MHz)				1855		1880		1905	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	24.65	0.292	24.75	0.299	24.74	0.298
10	QPSK	1	25	24.73	0.297	24.75	0.299	24.61	0.289
10	QPSK	1	49	24.67	0.293	24.70	0.295	24.77	0.300
10	QPSK	25	0	23.65	0.232	24.04	0.254	23.91	0.246
10	QPSK	25	12	23.98	0.250	23.95	0.248	23.61	0.230
10	QPSK	25	25	23.70	0.234	23.59	0.229	23.79	0.239
10	QPSK	50	0	23.56	0.227	23.98	0.250	23.75	0.237
10	16QAM	1	0	23.99	0.251	23.94	0.248	23.84	0.242
10	16QAM	1	25	24.03	0.253	24.27	0.267	24.08	0.256
10	16QAM	1	49	23.96	0.249	24.22	0.264	24.03	0.253
10	16QAM	25	0	22.71	0.187	22.95	0.197	22.72	0.187
10	16QAM	25	12	22.83	0.192	22.89	0.195	22.68	0.185
10	16QAM	25	25	22.81	0.191	22.64	0.184	22.51	0.178
10	16QAM	50	0	22.64	0.184	22.61	0.182	22.75	0.188



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18625		18900		19175	
Frequency (MHz)				1852.5		1880		1907.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	24.65	0.292	24.60	0.288	24.58	0.287
5	QPSK	1	12	24.63	0.290	24.74	0.298	24.69	0.294
5	QPSK	1	24	24.70	0.295	24.49	0.281	24.68	0.294
5	QPSK	12	0	23.84	0.242	23.75	0.237	23.84	0.242
5	QPSK	12	7	23.73	0.236	23.72	0.236	23.63	0.231
5	QPSK	12	13	23.56	0.227	23.64	0.231	23.73	0.236
5	QPSK	25	0	23.78	0.239	23.89	0.245	23.67	0.233
5	16QAM	1	0	24.04	0.254	23.92	0.247	24.08	0.256
5	16QAM	1	12	24.02	0.252	24.30	0.269	23.96	0.249
5	16QAM	1	24	23.85	0.243	24.14	0.259	24.00	0.251
5	16QAM	12	0	22.85	0.193	22.96	0.198	22.62	0.183
5	16QAM	12	7	22.76	0.189	22.83	0.192	22.68	0.185
5	16QAM	12	13	22.60	0.182	22.90	0.195	22.76	0.189
5	16QAM	25	0	22.80	0.191	22.97	0.198	22.77	0.189





LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18615		18900		19185	
Frequency (MHz)				1851.5		1880		1908.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	24.60	0.288	24.77	0.300	24.71	0.296
3	QPSK	1	8	24.78	0.301	24.69	0.294	24.73	0.297
3	QPSK	1	14	24.73	0.297	24.74	0.298	24.54	0.284
3	QPSK	8	0	23.75	0.237	23.85	0.243	23.81	0.240
3	QPSK	8	4	23.88	0.244	23.65	0.232	23.60	0.229
3	QPSK	8	7	23.82	0.241	23.65	0.232	23.62	0.230
3	QPSK	15	0	23.93	0.247	23.87	0.244	23.71	0.235
3	16QAM	1	0	24.03	0.253	24.15	0.260	24.05	0.254
3	16QAM	1	8	23.87	0.244	24.23	0.265	24.05	0.254
3	16QAM	1	14	23.86	0.243	23.97	0.249	24.24	0.265
3	16QAM	8	0	22.64	0.184	22.80	0.191	22.81	0.191
3	16QAM	8	4	22.73	0.187	22.72	0.187	22.87	0.194
3	16QAM	8	7	22.91	0.195	22.96	0.198	22.70	0.186
3	16QAM	15	0	22.85	0.193	22.87	0.194	22.74	0.188



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18607		18900		19193	
Frequency (MHz)				1850.7		1880		1909.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	24.72	0.296	24.69	0.294	24.72	0.296
1.4	QPSK	1	3	24.54	0.284	24.70	0.295	24.53	0.284
1.4	QPSK	1	5	24.59	0.288	24.76	0.299	24.59	0.288
1.4	QPSK	3	0	23.58	0.228	23.96	0.249	23.67	0.233
1.4	QPSK	3	1	23.80	0.240	23.79	0.239	23.66	0.232
1.4	QPSK	3	3	23.91	0.246	23.64	0.231	23.55	0.226
1.4	QPSK	6	0	23.80	0.240	23.66	0.232	23.70	0.234
1.4	16QAM	1	0	23.98	0.250	24.09	0.256	23.87	0.244
1.4	16QAM	1	3	24.07	0.255	24.23	0.265	24.14	0.259
1.4	16QAM	1	5	24.00	0.251	24.02	0.252	24.17	0.261
1.4	16QAM	3	0	22.73	0.187	22.78	0.190	22.55	0.180
1.4	16QAM	3	1	22.55	0.180	22.87	0.194	22.89	0.195
1.4	16QAM	3	3	22.81	0.191	22.81	0.191	22.49	0.177
1.4	16QAM	6	0	22.70	0.186	22.79	0.190	22.61	0.182



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20050		20175		20300	
Frequency (MHz)				1720		1732.5		1745	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	24.07	0.255	24.24	0.265	24.11	0.258
20	QPSK	1	49	24.13	0.259	24.16	0.261	24.09	0.256
20	QPSK	1	99	24.02	0.252	23.94	0.248	24.12	0.258
20	QPSK	50	0	23.19	0.208	23.20	0.209	23.02	0.200
20	QPSK	50	24	23.09	0.204	23.14	0.206	23.04	0.201
20	QPSK	50	50	22.94	0.197	23.24	0.211	23.11	0.205
20	QPSK	100	0	23.05	0.202	23.25	0.211	23.00	0.200
20	16QAM	1	0	23.18	0.208	23.34	0.216	23.26	0.212
20	16QAM	1	49	23.29	0.213	23.36	0.217	23.23	0.210
20	16QAM	1	99	23.14	0.206	23.31	0.214	23.19	0.208
20	16QAM	50	0	22.12	0.163	22.26	0.168	22.20	0.166
20	16QAM	50	24	22.07	0.161	22.17	0.165	22.11	0.163
20	16QAM	50	50	22.01	0.159	22.12	0.163	22.00	0.158
20	16QAM	100	0	22.09	0.162	22.22	0.167	22.06	0.161



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20025		20175		20325	
Frequency (MHz)				1717.5		1732.5		1747.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	24.15	0.260	24.12	0.258	24.13	0.259
15	QPSK	1	37	24.14	0.259	24.19	0.262	24.19	0.262
15	QPSK	1	74	23.97	0.249	23.75	0.237	24.11	0.258
15	QPSK	36	0	23.18	0.208	23.20	0.209	22.88	0.194
15	QPSK	36	20	23.17	0.207	23.19	0.208	22.91	0.195
15	QPSK	36	39	22.96	0.198	23.32	0.215	22.99	0.199
15	QPSK	75	0	23.00	0.200	23.05	0.202	23.05	0.202
15	16QAM	1	0	23.26	0.212	23.44	0.221	23.22	0.210
15	16QAM	1	37	23.36	0.217	23.45	0.221	23.10	0.204
15	16QAM	1	74	22.99	0.199	23.49	0.223	23.03	0.201
15	16QAM	36	0	22.23	0.167	22.09	0.162	22.18	0.165
15	16QAM	36	20	21.92	0.156	22.35	0.172	22.28	0.169
15	16QAM	36	39	22.02	0.159	22.13	0.163	22.17	0.165
15	16QAM	75	0	21.97	0.157	22.15	0.164	22.26	0.168



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20000		20175		20350	
Frequency (MHz)				1715		1732.5		1750	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	24.04	0.254	24.19	0.262	24.07	0.255
10	QPSK	1	25	24.20	0.263	24.19	0.262	24.15	0.260
10	QPSK	1	49	24.13	0.259	23.90	0.245	24.14	0.259
10	QPSK	25	0	23.14	0.206	23.11	0.205	22.91	0.195
10	QPSK	25	12	23.09	0.204	23.04	0.201	22.89	0.195
10	QPSK	25	25	22.97	0.198	23.31	0.214	23.19	0.208
10	QPSK	50	0	22.86	0.193	23.35	0.216	22.89	0.195
10	16QAM	1	0	23.02	0.200	23.20	0.209	23.32	0.215
10	16QAM	1	25	23.44	0.221	23.41	0.219	23.29	0.213
10	16QAM	1	49	23.08	0.203	23.15	0.207	23.00	0.200
10	16QAM	25	0	22.26	0.168	22.13	0.163	22.26	0.168
10	16QAM	25	12	21.94	0.156	22.02	0.159	21.94	0.156
10	16QAM	25	25	21.89	0.155	22.18	0.165	22.13	0.163
10	16QAM	50	0	22.06	0.161	22.25	0.168	21.88	0.154



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19975		20175		20375	
Frequency (MHz)				1712.5		1732.5		1752.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	23.91	0.246	24.13	0.259	24.06	0.255
5	QPSK	1	12	24.18	0.262	24.17	0.261	24.01	0.252
5	QPSK	1	24	23.87	0.244	23.92	0.247	24.14	0.259
5	QPSK	12	0	22.99	0.199	23.16	0.207	23.12	0.205
5	QPSK	12	7	23.06	0.202	23.05	0.202	23.05	0.202
5	QPSK	12	13	23.03	0.201	23.15	0.207	23.09	0.204
5	QPSK	25	0	23.07	0.203	23.41	0.219	23.11	0.205
5	16QAM	1	0	23.03	0.201	23.39	0.218	23.18	0.208
5	16QAM	1	12	23.48	0.223	23.16	0.207	23.40	0.219
5	16QAM	1	24	23.05	0.202	23.32	0.215	23.18	0.208
5	16QAM	12	0	22.06	0.161	22.35	0.172	22.30	0.170
5	16QAM	12	7	22.21	0.166	22.32	0.171	22.07	0.161
5	16QAM	12	13	22.00	0.158	22.31	0.170	21.94	0.156
5	16QAM	25	0	22.07	0.161	22.16	0.164	21.92	0.156



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	24.05	0.254	24.16	0.261	24.04	0.254
3	QPSK	1	8	23.99	0.251	24.23	0.265	24.11	0.258
3	QPSK	1	14	24.04	0.254	23.89	0.245	24.16	0.261
3	QPSK	8	0	23.02	0.200	23.33	0.215	22.85	0.193
3	QPSK	8	4	23.20	0.209	23.03	0.201	23.02	0.200
3	QPSK	8	7	22.83	0.192	23.18	0.208	23.18	0.208
3	QPSK	15	0	23.02	0.200	23.11	0.205	23.11	0.205
3	16QAM	1	0	23.13	0.206	23.46	0.222	23.39	0.218
3	16QAM	1	8	23.49	0.223	23.48	0.223	23.09	0.204
3	16QAM	1	14	23.00	0.200	23.40	0.219	23.13	0.206
3	16QAM	8	0	22.26	0.168	22.37	0.173	22.22	0.167
3	16QAM	8	4	22.23	0.167	22.19	0.166	22.20	0.166
3	16QAM	8	7	22.05	0.160	21.98	0.158	21.93	0.156
3	16QAM	15	0	22.26	0.168	22.38	0.173	22.07	0.161



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19957		20175		20393	
Frequency (MHz)				1710.7		1732.5		1754.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	24.02	0.252	24.18	0.262	24.15	0.260
1.4	QPSK	1	3	24.17	0.261	24.11	0.258	24.18	0.262
1.4	QPSK	1	5	24.08	0.256	23.80	0.240	23.92	0.247
1.4	QPSK	3	0	23.23	0.210	23.10	0.204	23.06	0.202
1.4	QPSK	3	1	23.24	0.211	22.94	0.197	23.23	0.210
1.4	QPSK	3	3	23.06	0.202	23.21	0.209	23.11	0.205
1.4	QPSK	6	0	23.08	0.203	23.39	0.218	23.20	0.209
1.4	16QAM	1	0	23.26	0.212	23.15	0.207	23.46	0.222
1.4	16QAM	1	3	23.33	0.215	23.21	0.209	23.23	0.210
1.4	16QAM	1	5	23.11	0.205	23.38	0.218	23.16	0.207
1.4	16QAM	3	0	21.94	0.156	22.18	0.165	22.35	0.172
1.4	16QAM	3	1	22.00	0.158	22.21	0.166	22.20	0.166
1.4	16QAM	3	3	22.06	0.161	22.22	0.167	21.94	0.156
1.4	16QAM	6	0	21.89	0.155	22.16	0.164	22.08	0.161





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	21.16	0.131	21.19	0.132	21.10	0.129
10	QPSK	1	25	20.96	0.125	21.09	0.129	20.95	0.124
10	QPSK	1	49	20.95	0.124	21.01	0.126	20.92	0.124
10	QPSK	25	0	19.95	0.099	20.13	0.103	20.05	0.101
10	QPSK	25	12	20.01	0.100	20.09	0.102	19.96	0.099
10	QPSK	25	25	20.02	0.100	20.12	0.103	19.99	0.100
10	QPSK	50	0	19.89	0.097	20.16	0.104	20.07	0.102
10	16QAM	1	0	20.31	0.107	20.37	0.109	20.36	0.109
10	16QAM	1	25	20.27	0.106	20.34	0.108	20.29	0.107
10	16QAM	1	49	20.34	0.108	20.40	0.110	20.26	0.106
10	16QAM	25	0	19.01	0.080	19.16	0.082	19.14	0.082
10	16QAM	25	12	18.95	0.079	19.13	0.082	19.04	0.080
10	16QAM	25	25	19.03	0.080	19.07	0.081	19.09	0.081
10	16QAM	50	0	18.94	0.078	19.01	0.080	19.02	0.080



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	21.06	0.128	21.01	0.126	21.04	0.127
5	QPSK	1	12	20.85	0.122	20.95	0.124	20.90	0.123
5	QPSK	1	24	20.78	0.120	20.81	0.121	21.06	0.128
5	QPSK	12	0	19.91	0.098	20.21	0.105	20.00	0.100
5	QPSK	12	7	19.98	0.100	20.07	0.102	19.87	0.097
5	QPSK	12	13	19.94	0.099	20.19	0.104	20.08	0.102
5	QPSK	25	0	19.95	0.099	20.03	0.101	20.21	0.105
5	16QAM	1	0	20.37	0.109	20.53	0.113	20.43	0.110
5	16QAM	1	12	20.19	0.104	20.34	0.108	20.34	0.108
5	16QAM	1	24	20.39	0.109	20.51	0.112	20.12	0.103
5	16QAM	12	0	18.89	0.077	19.17	0.083	19.22	0.084
5	16QAM	12	7	18.83	0.076	19.25	0.084	19.16	0.082
5	16QAM	12	13	18.84	0.077	19.13	0.082	19.04	0.080
5	16QAM	25	0	18.91	0.078	18.96	0.079	19.07	0.081



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20415		20525		20635	
Frequency (MHz)				825.5		836.5		847.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	20.97	0.125	20.87	0.122	20.95	0.124
3	QPSK	1	8	20.89	0.123	20.93	0.124	20.75	0.119
3	QPSK	1	14	20.79	0.120	20.92	0.124	21.01	0.126
3	QPSK	8	0	19.76	0.095	19.99	0.100	20.05	0.101
3	QPSK	8	4	20.06	0.101	20.03	0.101	19.88	0.097
3	QPSK	8	7	20.04	0.101	20.08	0.102	20.05	0.101
3	QPSK	15	0	19.90	0.098	20.35	0.108	20.07	0.102
3	16QAM	1	0	20.24	0.106	20.43	0.110	20.29	0.107
3	16QAM	1	8	20.17	0.104	20.15	0.104	20.14	0.103
3	16QAM	1	14	20.06	0.101	20.22	0.105	20.31	0.107
3	16QAM	8	0	19.05	0.080	19.21	0.083	19.09	0.081
3	16QAM	8	4	18.82	0.076	19.19	0.083	19.23	0.084
3	16QAM	8	7	18.97	0.079	19.07	0.081	19.00	0.079
3	16QAM	15	0	19.05	0.080	18.84	0.077	19.19	0.083



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20407		20525		20643	
Frequency (MHz)				824.7		836.5		848.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	20.92	0.124	21.10	0.129	21.09	0.129
1.4	QPSK	1	3	20.99	0.126	20.91	0.123	20.89	0.123
1.4	QPSK	1	5	21.11	0.129	21.14	0.130	20.90	0.123
1.4	QPSK	3	0	20.05	0.101	19.94	0.099	20.15	0.104
1.4	QPSK	3	1	19.88	0.097	19.95	0.099	19.96	0.099
1.4	QPSK	3	3	19.95	0.099	20.26	0.106	20.11	0.103
1.4	QPSK	6	0	19.93	0.098	20.24	0.106	19.91	0.098
1.4	16QAM	1	0	20.29	0.107	20.53	0.113	20.23	0.105
1.4	16QAM	1	3	20.19	0.104	20.22	0.105	20.12	0.103
1.4	16QAM	1	5	20.38	0.109	20.35	0.108	20.14	0.103
1.4	16QAM	3	0	19.16	0.082	19.18	0.083	19.15	0.082
1.4	16QAM	3	1	18.90	0.078	19.12	0.082	19.14	0.082
1.4	16QAM	3	3	19.06	0.081	18.89	0.077	18.90	0.078
1.4	16QAM	6	0	18.82	0.076	19.01	0.080	18.87	0.077



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23060		23095		23130	
Frequency (MHz)				704		707.5		711	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	22.06	0.161	22.21	0.166	22.11	0.163
10	QPSK	1	25	22.12	0.163	22.18	0.165	22.14	0.164
10	QPSK	1	49	22.09	0.162	22.03	0.160	22.12	0.163
10	QPSK	25	0	21.07	0.128	21.10	0.129	21.05	0.127
10	QPSK	25	12	21.08	0.128	21.06	0.128	20.96	0.125
10	QPSK	25	25	21.15	0.130	21.04	0.127	21.01	0.126
10	QPSK	50	0	21.10	0.129	21.16	0.131	21.03	0.127
10	16QAM	1	0	21.46	0.140	21.50	0.141	21.35	0.136
10	16QAM	1	25	21.49	0.141	21.45	0.140	21.23	0.133
10	16QAM	1	49	21.37	0.137	21.41	0.138	21.26	0.134
10	16QAM	25	0	20.10	0.102	20.26	0.106	20.01	0.100
10	16QAM	25	12	20.16	0.104	20.22	0.105	20.05	0.101
10	16QAM	25	25	20.21	0.105	20.19	0.104	19.92	0.098
10	16QAM	50	0	20.00	0.100	20.10	0.102	19.84	0.096



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23035		23095		23155	
Frequency (MHz)				701.5		707.5		713.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	21.98	0.158	22.29	0.169	22.07	0.161
5	QPSK	1	12	22.22	0.167	22.10	0.162	22.09	0.162
5	QPSK	1	24	22.19	0.166	21.93	0.156	22.13	0.163
5	QPSK	12	0	20.89	0.123	21.21	0.132	21.19	0.132
5	QPSK	12	7	21.23	0.133	21.08	0.128	21.15	0.130
5	QPSK	12	13	21.21	0.132	21.14	0.130	21.04	0.127
5	QPSK	25	0	21.28	0.134	21.22	0.132	20.94	0.124
5	16QAM	1	0	21.28	0.134	21.60	0.145	21.50	0.141
5	16QAM	1	12	21.65	0.146	21.33	0.136	21.03	0.127
5	16QAM	1	24	21.43	0.139	21.32	0.136	21.27	0.134
5	16QAM	12	0	20.20	0.105	20.18	0.104	20.05	0.101
5	16QAM	12	7	20.17	0.104	20.30	0.107	19.87	0.097
5	16QAM	12	13	20.26	0.106	20.16	0.104	19.86	0.097
5	16QAM	25	0	20.15	0.104	20.13	0.103	19.98	0.100



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23025		23095		23165	
Frequency (MHz)				700.5		707.5		714.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	22.08	0.161	22.05	0.160	22.24	0.167
3	QPSK	1	8	22.24	0.167	22.27	0.169	22.03	0.160
3	QPSK	1	14	22.13	0.163	21.97	0.157	22.20	0.166
3	QPSK	8	0	20.91	0.123	21.28	0.134	21.40	0.138
3	QPSK	8	4	21.03	0.127	21.08	0.128	21.10	0.129
3	QPSK	8	7	21.19	0.132	21.09	0.129	21.11	0.129
3	QPSK	15	0	20.96	0.125	21.09	0.129	21.18	0.131
3	16QAM	1	0	21.46	0.140	21.52	0.142	21.55	0.143
3	16QAM	1	8	21.39	0.138	21.49	0.141	21.37	0.137
3	16QAM	1	14	21.25	0.133	21.26	0.134	21.33	0.136
3	16QAM	8	0	20.20	0.105	20.19	0.104	20.14	0.103
3	16QAM	8	4	19.99	0.100	20.19	0.104	20.22	0.105
3	16QAM	8	7	20.38	0.109	20.24	0.106	19.73	0.094
3	16QAM	15	0	20.00	0.100	20.04	0.101	19.84	0.096



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23017		23095		23173	
Frequency (MHz)				699.7		707.5		715.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	21.96	0.157	22.19	0.166	21.98	0.158
1.4	QPSK	1	3	22.07	0.161	22.17	0.165	22.21	0.166
1.4	QPSK	1	5	21.98	0.158	22.08	0.161	22.11	0.163
1.4	QPSK	3	0	21.11	0.129	20.91	0.123	21.09	0.129
1.4	QPSK	3	1	21.10	0.129	21.03	0.127	20.98	0.125
1.4	QPSK	3	3	21.25	0.133	21.13	0.130	20.95	0.124
1.4	QPSK	6	0	21.14	0.130	21.01	0.126	20.84	0.121
1.4	16QAM	1	0	21.49	0.141	21.58	0.144	21.43	0.139
1.4	16QAM	1	3	21.56	0.143	21.36	0.137	21.37	0.137
1.4	16QAM	1	5	21.17	0.131	21.43	0.139	21.27	0.134
1.4	16QAM	3	0	20.13	0.103	20.26	0.106	19.95	0.099
1.4	16QAM	3	1	20.07	0.102	20.33	0.108	20.07	0.102
1.4	16QAM	3	3	20.29	0.107	20.38	0.109	19.79	0.095
1.4	16QAM	6	0	19.88	0.097	20.11	0.103	19.85	0.097





LTE Band 25				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26140		26365		26590	
Frequency (MHz)				1860		1882.5		1905	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	24.79	0.301	24.83	0.304	24.76	0.299
20	QPSK	1	49	24.70	0.295	24.74	0.298	24.70	0.295
20	QPSK	1	99	24.74	0.298	24.73	0.297	24.68	0.294
20	QPSK	50	0	23.73	0.236	23.80	0.240	23.74	0.237
20	QPSK	50	24	23.67	0.233	23.84	0.242	23.71	0.235
20	QPSK	50	50	23.69	0.234	23.77	0.238	23.75	0.237
20	QPSK	100	0	23.75	0.237	23.86	0.243	23.78	0.239
20	16QAM	1	0	24.04	0.254	24.26	0.267	24.09	0.256
20	16QAM	1	49	24.09	0.256	24.23	0.265	24.06	0.255
20	16QAM	1	99	24.17	0.261	24.07	0.255	24.04	0.254
20	16QAM	50	0	22.80	0.191	22.84	0.192	22.78	0.190
20	16QAM	50	24	22.67	0.185	22.83	0.192	22.71	0.187
20	16QAM	50	50	22.71	0.187	22.81	0.191	22.73	0.187
20	16QAM	100	0	22.77	0.189	22.79	0.190	22.67	0.185



LTE Band 25				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26115		26365		26615	
Frequency (MHz)				1857.5		1882.5		1907.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	24.75	0.299	24.73	0.297	24.72	0.296
15	QPSK	1	37	24.64	0.291	24.80	0.302	24.72	0.296
15	QPSK	1	74	24.78	0.301	24.77	0.300	24.64	0.291
15	QPSK	36	0	23.91	0.246	23.82	0.241	23.86	0.243
15	QPSK	36	20	23.64	0.231	23.91	0.246	23.51	0.224
15	QPSK	36	39	23.69	0.234	23.74	0.237	23.91	0.246
15	QPSK	75	0	23.66	0.232	24.00	0.251	23.85	0.243
15	16QAM	1	0	24.00	0.251	24.46	0.279	24.01	0.252
15	16QAM	1	37	24.27	0.267	24.13	0.259	24.18	0.262
15	16QAM	1	74	24.29	0.269	24.04	0.254	24.14	0.259
15	16QAM	36	0	22.77	0.189	22.68	0.185	22.85	0.193
15	16QAM	36	20	22.47	0.177	22.78	0.190	22.91	0.195
15	16QAM	36	39	22.78	0.190	22.85	0.193	22.60	0.182
15	16QAM	75	0	22.84	0.192	22.96	0.198	22.83	0.192



LTE Band 25				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26090		26365		26640	
Frequency (MHz)				1855		1882.5		1910	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	24.60	0.288	24.71	0.296	24.62	0.290
10	QPSK	1	25	24.75	0.299	24.74	0.298	24.72	0.296
10	QPSK	1	49	24.77	0.300	24.56	0.286	24.74	0.298
10	QPSK	25	0	23.92	0.247	23.75	0.237	23.77	0.238
10	QPSK	25	12	23.59	0.229	24.02	0.252	23.61	0.230
10	QPSK	25	25	23.56	0.227	23.85	0.243	23.88	0.244
10	QPSK	50	0	23.79	0.239	24.05	0.254	23.82	0.241
10	16QAM	1	0	24.05	0.254	24.11	0.258	24.01	0.252
10	16QAM	1	25	24.05	0.254	24.38	0.274	23.90	0.245
10	16QAM	1	49	24.03	0.253	24.19	0.262	23.95	0.248
10	16QAM	25	0	22.83	0.192	22.92	0.196	22.92	0.196
10	16QAM	25	12	22.77	0.189	22.69	0.186	22.60	0.182
10	16QAM	25	25	22.80	0.191	22.94	0.197	22.62	0.183
10	16QAM	50	0	22.60	0.182	22.99	0.199	22.56	0.180



LTE Band 25				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26065		26365		26665	
Frequency (MHz)				1852.5		1882.5		1912.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	24.82	0.303	24.64	0.291	24.68	0.294
5	QPSK	1	12	24.60	0.288	24.58	0.287	24.80	0.302
5	QPSK	1	24	24.75	0.299	24.61	0.289	24.81	0.303
5	QPSK	12	0	23.80	0.240	23.82	0.241	23.67	0.233
5	QPSK	12	7	23.47	0.222	23.71	0.235	23.82	0.241
5	QPSK	12	13	23.58	0.228	23.65	0.232	23.73	0.236
5	QPSK	25	0	23.74	0.237	23.80	0.240	23.81	0.240
5	16QAM	1	0	24.18	0.262	24.27	0.267	24.13	0.259
5	16QAM	1	12	23.89	0.245	24.07	0.255	23.97	0.249
5	16QAM	1	24	24.27	0.267	23.95	0.248	24.01	0.252
5	16QAM	12	0	22.93	0.196	22.79	0.190	22.92	0.196
5	16QAM	12	7	22.63	0.183	22.71	0.187	22.75	0.188
5	16QAM	12	13	22.56	0.180	22.86	0.193	22.72	0.187
5	16QAM	25	0	22.89	0.195	22.99	0.199	22.61	0.182



LTE Band 25				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26055		26365		26675	
Frequency (MHz)				1851.5		1882.5		1913.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	24.55	0.285	24.65	0.292	24.73	0.297
3	QPSK	1	8	24.70	0.295	24.82	0.303	24.64	0.291
3	QPSK	1	14	24.74	0.298	24.72	0.296	24.61	0.289
3	QPSK	8	0	23.90	0.245	23.86	0.243	23.90	0.245
3	QPSK	8	4	23.70	0.234	24.00	0.251	23.76	0.238
3	QPSK	8	7	23.69	0.234	23.73	0.236	23.59	0.229
3	QPSK	15	0	23.71	0.235	23.91	0.246	23.97	0.249
3	16QAM	1	0	24.19	0.262	24.33	0.271	24.28	0.268
3	16QAM	1	8	24.21	0.264	24.31	0.270	23.86	0.243
3	16QAM	1	14	24.35	0.272	24.21	0.264	24.21	0.264
3	16QAM	8	0	22.70	0.186	22.82	0.191	22.79	0.190
3	16QAM	8	4	22.49	0.177	22.83	0.192	22.77	0.189
3	16QAM	8	7	22.85	0.193	22.81	0.191	22.63	0.183
3	16QAM	15	0	22.67	0.185	22.79	0.190	22.87	0.194



LTE Band 25				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26047		26365		26683	
Frequency (MHz)				1850.7		1882.5		1914.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	24.75	0.299	24.75	0.299	24.69	0.294
1.4	QPSK	1	3	24.55	0.285	24.54	0.284	24.77	0.300
1.4	QPSK	1	5	24.82	0.303	24.78	0.301	24.74	0.298
1.4	QPSK	3	0	23.63	0.231	23.97	0.249	23.82	0.241
1.4	QPSK	3	1	23.69	0.234	23.69	0.234	23.64	0.231
1.4	QPSK	3	3	23.55	0.226	23.63	0.231	23.78	0.239
1.4	QPSK	6	0	23.66	0.232	23.67	0.233	23.89	0.245
1.4	16QAM	1	0	23.90	0.245	24.09	0.256	24.29	0.269
1.4	16QAM	1	3	23.96	0.249	24.38	0.274	24.11	0.258
1.4	16QAM	1	5	24.12	0.258	23.88	0.244	23.92	0.247
1.4	16QAM	3	0	22.91	0.195	22.94	0.197	22.96	0.198
1.4	16QAM	3	1	22.91	0.195	22.89	0.195	22.95	0.197
1.4	16QAM	3	3	22.95	0.197	22.92	0.196	22.93	0.196
1.4	16QAM	6	0	22.72	0.187	22.70	0.186	22.53	0.179



LTE Band 26				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26865		26915		26965	
Frequency (MHz)				831.5		836.5		841.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	20.96	0.125	20.87	0.122	20.85	0.122
15	QPSK	1	37	20.88	0.122	20.87	0.122	20.88	0.122
15	QPSK	1	74	20.79	0.120	20.69	0.117	20.80	0.120
15	QPSK	36	0	19.98	0.100	19.91	0.098	19.96	0.099
15	QPSK	36	20	20.01	0.100	19.91	0.098	19.89	0.097
15	QPSK	36	39	19.89	0.097	19.87	0.097	19.93	0.098
15	QPSK	75	0	19.94	0.099	19.82	0.096	19.94	0.099
15	16QAM	1	0	20.32	0.108	20.22	0.105	20.30	0.107
15	16QAM	1	37	20.37	0.109	20.33	0.108	20.28	0.107
15	16QAM	1	74	20.27	0.106	20.15	0.104	20.31	0.107
15	16QAM	36	0	18.96	0.079	18.84	0.077	18.85	0.077
15	16QAM	36	20	18.85	0.077	18.78	0.076	18.90	0.078
15	16QAM	36	39	18.88	0.077	18.87	0.077	18.91	0.078
15	16QAM	75	0	18.99	0.079	18.93	0.078	18.84	0.077



LTE Band 26				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20450		20525		20600	
Frequency (MHz)				829		836.5		844	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	20.80	0.120	20.85	0.122	20.87	0.122
10	QPSK	1	25	20.80	0.120	20.78	0.120	20.81	0.121
10	QPSK	1	49	20.70	0.117	20.71	0.118	20.81	0.121
10	QPSK	25	0	19.76	0.095	19.74	0.094	19.80	0.095
10	QPSK	25	12	19.96	0.099	20.03	0.101	20.05	0.101
10	QPSK	25	25	20.06	0.101	20.08	0.102	20.11	0.103
10	QPSK	50	0	19.82	0.096	19.74	0.094	19.84	0.096
10	16QAM	1	0	20.26	0.106	20.20	0.105	20.32	0.108
10	16QAM	1	25	20.20	0.105	20.30	0.107	20.31	0.107
10	16QAM	1	49	20.43	0.110	20.39	0.109	20.45	0.111
10	16QAM	25	0	18.66	0.073	18.74	0.075	18.75	0.075
10	16QAM	25	12	18.80	0.076	18.81	0.076	18.85	0.077
10	16QAM	25	25	18.94	0.078	18.94	0.078	18.99	0.079
10	16QAM	50	0	18.83	0.076	18.80	0.076	18.88	0.077





LTE Band 26				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20425		20525		20625	
Frequency (MHz)				826.5		836.5		846.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	20.79	0.120	20.87	0.122	20.89	0.123
5	QPSK	1	12	20.70	0.117	20.70	0.117	20.79	0.120
5	QPSK	1	24	20.73	0.118	20.70	0.117	20.81	0.121
5	QPSK	12	0	19.74	0.094	19.76	0.095	19.77	0.095
5	QPSK	12	7	19.86	0.097	19.97	0.099	19.98	0.100
5	QPSK	12	13	20.01	0.100	20.01	0.100	20.04	0.101
5	QPSK	25	0	19.97	0.099	20.00	0.100	20.01	0.100
5	16QAM	1	0	20.09	0.102	20.10	0.102	20.12	0.103
5	16QAM	1	12	20.10	0.102	20.12	0.103	20.13	0.103
5	16QAM	1	24	20.29	0.107	20.31	0.107	20.34	0.108
5	16QAM	12	0	18.88	0.077	18.96	0.079	18.97	0.079
5	16QAM	12	7	18.99	0.079	18.98	0.079	19.02	0.080
5	16QAM	12	13	18.74	0.075	18.75	0.075	18.84	0.077
5	16QAM	25	0	18.96	0.079	18.95	0.079	19.01	0.080



LTE Band 26				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20415		20525		20635	
Frequency (MHz)				825.5		836.5		847.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	20.54	0.113	20.56	0.114	20.65	0.116
3	QPSK	1	8	20.79	0.120	20.82	0.121	20.88	0.122
3	QPSK	1	14	20.67	0.117	20.65	0.116	20.72	0.118
3	QPSK	8	0	19.72	0.094	19.70	0.093	19.77	0.095
3	QPSK	8	4	19.77	0.095	19.82	0.096	19.84	0.096
3	QPSK	8	7	19.89	0.097	19.79	0.095	19.90	0.098
3	QPSK	15	0	19.86	0.097	19.91	0.098	19.98	0.100
3	16QAM	1	0	20.20	0.105	20.18	0.104	20.24	0.106
3	16QAM	1	8	20.26	0.106	20.23	0.105	20.30	0.107
3	16QAM	1	14	20.16	0.104	20.16	0.104	20.27	0.106
3	16QAM	8	0	19.00	0.079	18.95	0.079	19.03	0.080
3	16QAM	8	4	18.62	0.073	18.61	0.073	18.73	0.075
3	16QAM	8	7	18.89	0.077	18.94	0.078	19.01	0.080
3	16QAM	15	0	18.89	0.077	18.85	0.077	18.91	0.078



LTE Band 26				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20407		20525		20643	
Frequency (MHz)				824.7		836.5		848.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	20.82	0.121	20.77	0.119	20.85	0.122
1.4	QPSK	1	3	20.70	0.117	20.74	0.119	20.78	0.120
1.4	QPSK	1	5	20.81	0.121	20.77	0.119	20.84	0.121
1.4	QPSK	3	0	19.68	0.093	19.72	0.094	19.79	0.095
1.4	QPSK	3	1	19.83	0.096	19.86	0.097	19.90	0.098
1.4	QPSK	3	3	20.01	0.100	19.98	0.100	20.08	0.102
1.4	QPSK	6	0	19.68	0.093	19.76	0.095	19.77	0.095
1.4	16QAM	1	0	20.41	0.110	20.42	0.110	20.44	0.111
1.4	16QAM	1	3	20.21	0.105	20.24	0.106	20.32	0.108
1.4	16QAM	1	5	20.24	0.106	20.18	0.104	20.25	0.106
1.4	16QAM	3	0	18.97	0.079	18.87	0.077	18.98	0.079
1.4	16QAM	3	1	18.71	0.074	18.74	0.075	18.81	0.076
1.4	16QAM	3	3	19.00	0.079	19.06	0.081	19.07	0.081
1.4	16QAM	6	0	18.87	0.077	18.91	0.078	18.94	0.078



LTE Band 41(Power Class 2)				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39750		40620		41490	
Frequency (MHz)				2506		2593		2680	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	29.15	0.822	29.27	0.845	29.24	0.839
20	QPSK	1	49	29.07	0.807	29.20	0.832	29.17	0.826
20	QPSK	1	99	28.98	0.791	29.23	0.838	29.03	0.800
20	QPSK	50	0	28.06	0.640	28.27	0.671	28.05	0.638
20	QPSK	50	24	28.01	0.632	28.25	0.668	28.06	0.640
20	QPSK	50	50	28.09	0.644	28.23	0.665	28.01	0.632
20	QPSK	100	0	28.04	0.637	28.20	0.661	28.06	0.640
20	16QAM	1	0	27.98	0.628	28.17	0.656	28.04	0.637
20	16QAM	1	49	28.13	0.650	28.11	0.647	28.02	0.634
20	16QAM	1	99	27.95	0.624	28.01	0.632	27.95	0.624
20	16QAM	50	0	27.00	0.501	27.25	0.531	27.02	0.504
20	16QAM	50	24	27.07	0.509	27.19	0.524	27.01	0.502
20	16QAM	50	50	27.10	0.513	27.00	0.501	26.90	0.490
20	16QAM	100	0	27.01	0.502	27.08	0.511	26.92	0.492



LTE Band 41(Power Class 2)				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39725		40620		41515	
Frequency (MHz)				2503.5		2593		2682.5	
				dBm		dBm		dBm	
				W		W		W	
15	QPSK	1	0	29.03	0.800	29.18	0.828	29.09	0.811
15	QPSK	1	37	28.89	0.774	28.88	0.773	29.12	0.817
15	QPSK	1	74	28.88	0.773	29.14	0.820	29.13	0.818
15	QPSK	36	0	28.14	0.652	28.36	0.685	27.75	0.596
15	QPSK	36	20	28.03	0.635	28.21	0.662	28.07	0.641
15	QPSK	36	39	28.11	0.647	28.02	0.634	27.93	0.621
15	QPSK	75	0	28.07	0.641	28.04	0.637	27.91	0.618
15	16QAM	1	0	27.87	0.612	28.19	0.659	27.74	0.594
15	16QAM	1	37	27.97	0.627	28.09	0.644	27.92	0.619
15	16QAM	1	74	27.86	0.611	28.01	0.632	27.72	0.592
15	16QAM	36	0	26.94	0.494	27.02	0.504	26.76	0.474
15	16QAM	36	20	27.03	0.505	27.08	0.511	27.07	0.509
15	16QAM	36	39	26.94	0.494	26.98	0.499	26.61	0.458
15	16QAM	75	0	26.87	0.486	26.95	0.495	26.84	0.483



LTE Band 41(Power Class 2)				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39700		40620		41540	
Frequency (MHz)				2501		2593		2685	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	29.11	0.815	29.18	0.828	29.13	0.818
10	QPSK	1	25	29.16	0.824	29.14	0.820	28.95	0.785
10	QPSK	1	49	28.72	0.745	29.10	0.813	28.79	0.757
10	QPSK	25	0	27.89	0.615	27.99	0.630	27.83	0.607
10	QPSK	25	12	27.99	0.630	28.34	0.682	27.87	0.612
10	QPSK	25	25	28.01	0.632	28.15	0.653	28.01	0.632
10	QPSK	50	0	28.14	0.652	28.19	0.659	28.01	0.632
10	16QAM	1	0	27.82	0.605	28.15	0.653	27.91	0.618
10	16QAM	1	25	28.13	0.650	28.12	0.649	27.78	0.600
10	16QAM	1	49	27.91	0.618	27.81	0.604	27.86	0.611
10	16QAM	25	0	26.71	0.469	27.02	0.504	26.73	0.471
10	16QAM	25	12	27.09	0.512	27.00	0.501	26.98	0.499
10	16QAM	25	25	26.86	0.485	26.71	0.469	26.95	0.495
10	16QAM	50	0	27.05	0.507	26.80	0.479	26.66	0.463



LTE Band 41(Power Class 2)				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39675		40620		41565	
Frequency (MHz)				2498.5		2593		2687.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	28.77	0.753	28.97	0.789	28.88	0.773
5	QPSK	1	12	29.04	0.802	28.98	0.791	28.86	0.769
5	QPSK	1	24	28.80	0.759	28.97	0.789	28.86	0.769
5	QPSK	12	0	28.03	0.635	28.37	0.687	27.90	0.617
5	QPSK	12	7	27.87	0.612	28.29	0.675	27.88	0.614
5	QPSK	12	13	28.10	0.646	28.06	0.640	28.11	0.647
5	QPSK	25	0	27.96	0.625	27.92	0.619	27.99	0.630
5	16QAM	1	0	27.84	0.608	28.19	0.659	27.94	0.622
5	16QAM	1	12	28.10	0.646	27.83	0.607	27.77	0.598
5	16QAM	1	24	27.65	0.582	27.73	0.593	28.05	0.638
5	16QAM	12	0	26.81	0.480	27.33	0.541	27.11	0.514
5	16QAM	12	7	26.84	0.483	27.26	0.532	26.93	0.493
5	16QAM	12	13	27.10	0.513	26.78	0.476	26.64	0.461
5	16QAM	25	0	26.89	0.489	26.93	0.493	26.74	0.472



LTE Band 41(Power Class 3)				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39750		40620		41490	
Frequency (MHz)				2506		2593		2680	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	26.30	0.427	26.42	0.439	26.39	0.436
20	QPSK	1	49	26.22	0.419	26.35	0.432	26.32	0.429
20	QPSK	1	99	26.13	0.410	26.38	0.435	26.18	0.415
20	QPSK	50	0	25.21	0.332	25.42	0.348	25.20	0.331
20	QPSK	50	24	25.16	0.328	25.40	0.347	25.21	0.332
20	QPSK	50	50	25.24	0.334	25.38	0.345	25.16	0.328
20	QPSK	100	0	25.19	0.330	25.35	0.343	25.21	0.332
20	16QAM	1	0	25.13	0.326	25.32	0.340	25.19	0.330
20	16QAM	1	49	25.28	0.337	25.26	0.336	25.17	0.329
20	16QAM	1	99	25.10	0.324	25.16	0.328	25.10	0.324
20	16QAM	50	0	24.15	0.260	24.40	0.275	24.17	0.261
20	16QAM	50	24	24.22	0.264	24.34	0.272	24.16	0.261
20	16QAM	50	50	24.25	0.266	24.15	0.260	24.05	0.254
20	16QAM	100	0	24.16	0.261	24.23	0.265	24.07	0.255





LTE Band 41(Power Class 3)				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39725		40620		41515	
Frequency (MHz)				2503.5		2593		2682.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	26.28	0.425	26.12	0.409	26.34	0.431
15	QPSK	1	37	26.14	0.411	26.13	0.410	26.37	0.434
15	QPSK	1	74	26.13	0.410	26.39	0.436	26.38	0.435
15	QPSK	36	0	25.39	0.346	25.61	0.364	25.00	0.316
15	QPSK	36	20	25.28	0.337	25.46	0.352	25.32	0.340
15	QPSK	36	39	25.36	0.344	25.27	0.337	25.18	0.330
15	QPSK	75	0	25.32	0.340	25.29	0.338	25.16	0.328
15	16QAM	1	0	25.12	0.325	25.44	0.350	24.99	0.316
15	16QAM	1	37	25.22	0.333	25.34	0.342	25.17	0.329
15	16QAM	1	74	25.11	0.324	25.26	0.336	24.97	0.314
15	16QAM	36	0	24.19	0.262	24.27	0.267	24.01	0.252
15	16QAM	36	20	24.28	0.268	24.33	0.271	24.32	0.270
15	16QAM	36	39	24.19	0.262	24.23	0.265	23.86	0.243
15	16QAM	75	0	24.12	0.258	24.20	0.263	24.09	0.256



LTE Band 41(Power Class 3)				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39700		40620		41540	
Frequency (MHz)				2501		2593		2685	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	26.36	0.433	26.35	0.432	26.38	0.435
10	QPSK	1	25	26.41	0.438	26.39	0.436	26.20	0.417
10	QPSK	1	49	25.97	0.395	26.35	0.432	26.04	0.402
10	QPSK	25	0	25.14	0.327	25.24	0.334	25.08	0.322
10	QPSK	25	12	25.24	0.334	25.59	0.362	25.12	0.325
10	QPSK	25	25	25.26	0.336	25.40	0.347	25.26	0.336
10	QPSK	50	0	25.39	0.346	25.44	0.350	25.26	0.336
10	16QAM	1	0	25.07	0.321	25.40	0.347	25.16	0.328
10	16QAM	1	25	25.38	0.345	25.37	0.344	25.03	0.318
10	16QAM	1	49	25.16	0.328	25.06	0.321	25.11	0.324
10	16QAM	25	0	23.96	0.249	24.27	0.267	23.98	0.250
10	16QAM	25	12	24.34	0.272	24.25	0.266	24.23	0.265
10	16QAM	25	25	24.11	0.258	23.96	0.249	24.20	0.263
10	16QAM	50	0	24.30	0.269	24.05	0.254	23.91	0.246



LTE Band 41(Power Class 3)				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39675		40620		41565	
Frequency (MHz)				2498.5		2593		2687.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	26.02	0.400	26.22	0.419	26.13	0.410
5	QPSK	1	12	26.29	0.426	26.23	0.420	26.11	0.408
5	QPSK	1	24	26.05	0.403	26.22	0.419	26.11	0.408
5	QPSK	12	0	25.28	0.337	25.62	0.365	25.15	0.327
5	QPSK	12	7	25.12	0.325	25.54	0.358	25.13	0.326
5	QPSK	12	13	25.35	0.343	25.31	0.340	25.36	0.344
5	QPSK	25	0	25.21	0.332	25.17	0.329	25.24	0.334
5	16QAM	1	0	25.09	0.323	25.44	0.350	25.19	0.330
5	16QAM	1	12	25.35	0.343	25.08	0.322	25.02	0.318
5	16QAM	1	24	24.90	0.309	24.98	0.315	25.30	0.339
5	16QAM	12	0	24.06	0.255	24.58	0.287	24.36	0.273
5	16QAM	12	7	24.09	0.256	24.51	0.282	24.18	0.262
5	16QAM	12	13	24.35	0.272	24.03	0.253	23.89	0.245
5	16QAM	25	0	24.14	0.259	24.18	0.262	23.99	0.251



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	24.47	0.280	24.56	0.286	24.49	0.281
20	QPSK	1	49	24.36	0.273	24.39	0.275	24.41	0.276
20	QPSK	1	99	24.40	0.275	24.45	0.279	24.52	0.283
20	QPSK	50	0	23.51	0.224	23.60	0.229	23.49	0.223
20	QPSK	50	24	23.39	0.218	23.53	0.225	23.50	0.224
20	QPSK	50	50	23.48	0.223	23.46	0.222	23.36	0.217
20	QPSK	100	0	23.43	0.220	23.45	0.221	23.38	0.218
20	16QAM	1	0	23.40	0.219	23.58	0.228	23.33	0.215
20	16QAM	1	49	23.35	0.216	23.53	0.225	23.29	0.213
20	16QAM	1	99	23.48	0.223	23.38	0.218	23.41	0.219
20	16QAM	50	0	22.59	0.182	22.65	0.184	22.53	0.179
20	16QAM	50	24	22.47	0.177	22.59	0.182	22.37	0.173
20	16QAM	50	50	22.38	0.173	22.46	0.176	22.49	0.177
20	16QAM	100	0	22.45	0.176	22.58	0.181	22.50	0.178



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	24.42	0.277	24.25	0.266	24.39	0.275
15	QPSK	1	37	24.52	0.283	24.45	0.279	24.49	0.281
15	QPSK	1	74	24.31	0.270	24.52	0.283	24.23	0.265
15	QPSK	36	0	23.49	0.223	23.52	0.225	23.66	0.232
15	QPSK	36	20	23.55	0.226	23.39	0.218	23.53	0.225
15	QPSK	36	39	23.58	0.228	23.49	0.223	23.22	0.210
15	QPSK	75	0	23.46	0.222	23.34	0.216	23.30	0.214
15	16QAM	1	0	23.22	0.210	23.50	0.224	23.25	0.211
15	16QAM	1	37	23.40	0.219	23.64	0.231	23.41	0.219
15	16QAM	1	74	23.38	0.218	23.55	0.226	23.29	0.213
15	16QAM	36	0	22.65	0.184	22.72	0.187	22.64	0.184
15	16QAM	36	20	22.56	0.180	22.67	0.185	22.41	0.174
15	16QAM	36	39	22.36	0.172	22.34	0.171	22.52	0.179
15	16QAM	75	0	22.60	0.182	22.46	0.176	22.52	0.179



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	24.28	0.268	24.39	0.275	24.39	0.275
10	QPSK	1	25	24.22	0.264	24.49	0.281	24.27	0.267
10	QPSK	1	49	24.46	0.279	24.51	0.282	24.32	0.270
10	QPSK	25	0	23.35	0.216	23.59	0.229	23.57	0.228
10	QPSK	25	12	23.26	0.212	23.42	0.220	23.30	0.214
10	QPSK	25	25	23.61	0.230	23.53	0.225	23.17	0.207
10	QPSK	50	0	23.42	0.220	23.25	0.211	23.24	0.211
10	16QAM	1	0	23.54	0.226	23.58	0.228	23.49	0.223
10	16QAM	1	25	23.28	0.213	23.40	0.219	23.42	0.220
10	16QAM	1	49	23.32	0.215	23.49	0.223	23.37	0.217
10	16QAM	25	0	22.57	0.181	22.50	0.178	22.57	0.181
10	16QAM	25	12	22.52	0.179	22.45	0.176	22.45	0.176
10	16QAM	25	25	22.44	0.175	22.53	0.179	22.29	0.169
10	16QAM	50	0	22.25	0.168	22.50	0.178	22.66	0.185



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	24.30	0.269	24.29	0.269	24.48	0.281
5	QPSK	1	12	24.16	0.261	24.55	0.285	24.29	0.269
5	QPSK	1	24	24.36	0.273	24.27	0.267	24.50	0.282
5	QPSK	12	0	23.37	0.217	23.60	0.229	23.59	0.229
5	QPSK	12	7	23.22	0.210	23.45	0.221	23.33	0.215
5	QPSK	12	13	23.64	0.231	23.58	0.228	23.29	0.213
5	QPSK	25	0	23.42	0.220	23.44	0.221	23.19	0.208
5	16QAM	1	0	23.60	0.229	23.66	0.232	23.25	0.211
5	16QAM	1	12	23.34	0.216	23.68	0.233	23.31	0.214
5	16QAM	1	24	23.29	0.213	23.54	0.226	23.22	0.210
5	16QAM	12	0	22.74	0.188	22.75	0.188	22.58	0.181
5	16QAM	12	7	22.61	0.182	22.43	0.175	22.46	0.176
5	16QAM	12	13	22.30	0.170	22.34	0.171	22.40	0.174
5	16QAM	25	0	22.38	0.173	22.51	0.178	22.38	0.173



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	24.51	0.282	24.33	0.271	24.42	0.277
3	QPSK	1	8	24.55	0.285	24.35	0.272	24.24	0.265
3	QPSK	1	14	24.32	0.270	24.47	0.280	24.35	0.272
3	QPSK	8	0	23.61	0.230	23.72	0.236	23.61	0.230
3	QPSK	8	4	23.23	0.210	23.58	0.228	23.39	0.218
3	QPSK	8	7	23.49	0.223	23.55	0.226	23.40	0.219
3	QPSK	15	0	23.52	0.225	23.42	0.220	23.27	0.212
3	16QAM	1	0	23.43	0.220	23.51	0.224	23.16	0.207
3	16QAM	1	8	23.49	0.223	23.59	0.229	23.23	0.210
3	16QAM	1	14	23.53	0.225	23.42	0.220	23.26	0.212
3	16QAM	8	0	22.57	0.181	22.70	0.186	22.71	0.187
3	16QAM	8	4	22.30	0.170	22.66	0.185	22.39	0.173
3	16QAM	8	7	22.48	0.177	22.41	0.174	22.66	0.185
3	16QAM	15	0	22.49	0.177	22.48	0.177	22.41	0.174





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	24.34	0.272	24.35	0.272	24.46	0.279
1.4	QPSK	1	3	24.54	0.284	24.30	0.269	24.51	0.282
1.4	QPSK	1	5	24.52	0.283	24.53	0.284	24.40	0.275
1.4	QPSK	3	0	23.53	0.225	23.62	0.230	23.61	0.230
1.4	QPSK	3	1	23.25	0.211	23.70	0.234	23.56	0.227
1.4	QPSK	3	3	23.58	0.228	23.35	0.216	23.51	0.224
1.4	QPSK	6	0	23.54	0.226	23.48	0.223	23.51	0.224
1.4	16QAM	1	0	23.43	0.220	23.65	0.232	23.22	0.210
1.4	16QAM	1	3	23.17	0.207	23.45	0.221	23.23	0.210
1.4	16QAM	1	5	23.38	0.218	23.34	0.216	23.32	0.215
1.4	16QAM	3	0	22.67	0.185	22.64	0.184	22.73	0.187
1.4	16QAM	3	1	22.42	0.175	22.63	0.183	22.46	0.176
1.4	16QAM	3	3	22.34	0.171	22.65	0.184	22.45	0.176
1.4	16QAM	6	0	22.34	0.171	22.62	0.183	22.33	0.171



LTE Band 71				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133222		133322		133372	
Frequency (MHz)				673		683		688	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	22.12	0.163	22.15	0.164	22.08	0.161
20	QPSK	1	49	22.00	0.158	22.11	0.163	21.97	0.157
20	QPSK	1	99	22.05	0.160	22.02	0.159	22.01	0.159
20	QPSK	50	0	21.32	0.136	21.38	0.137	21.29	0.135
20	QPSK	50	24	21.33	0.136	21.38	0.137	21.34	0.136
20	QPSK	50	50	21.24	0.133	21.30	0.135	21.36	0.137
20	QPSK	100	0	21.28	0.134	21.43	0.139	21.37	0.137
20	16QAM	1	0	21.25	0.133	21.35	0.136	21.34	0.136
20	16QAM	1	49	21.39	0.138	21.38	0.137	21.33	0.136
20	16QAM	1	99	21.31	0.135	21.37	0.137	21.29	0.135
20	16QAM	50	0	20.42	0.110	20.49	0.112	20.41	0.110
20	16QAM	50	24	20.47	0.111	20.52	0.113	20.44	0.111
20	16QAM	50	50	20.38	0.109	20.45	0.111	20.47	0.111
20	16QAM	100	0	20.46	0.111	20.44	0.111	20.50	0.112



LTE Band 71				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133197		133297		133397	
Frequency (MHz)				670.8		680.5		690.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	21.93	0.156	22.00	0.158	21.96	0.157
15	QPSK	1	37	21.93	0.156	22.04	0.160	21.83	0.152
15	QPSK	1	74	22.08	0.161	21.94	0.156	21.81	0.152
15	QPSK	36	0	21.13	0.130	20.93	0.124	20.89	0.123
15	QPSK	36	20	21.07	0.128	21.12	0.129	21.14	0.130
15	QPSK	36	39	20.93	0.124	20.94	0.124	21.06	0.128
15	QPSK	75	0	21.09	0.129	21.17	0.131	21.09	0.129
15	16QAM	1	0	20.98	0.125	20.97	0.125	21.17	0.131
15	16QAM	1	37	21.04	0.127	21.16	0.131	21.09	0.129
15	16QAM	1	74	21.00	0.126	21.12	0.129	21.05	0.127
15	16QAM	36	0	20.26	0.106	20.19	0.104	20.18	0.104
15	16QAM	36	20	20.23	0.105	20.22	0.105	20.25	0.106
15	16QAM	36	39	20.26	0.106	20.26	0.106	20.28	0.107
15	16QAM	75	0	20.23	0.105	20.26	0.106	20.23	0.105



LTE Band 71				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133172		133272		133422	
Frequency (MHz)				668		678		693	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	22.03	0.160	22.06	0.161	21.93	0.156
10	QPSK	1	25	21.84	0.153	22.04	0.160	21.95	0.157
10	QPSK	1	49	21.95	0.157	21.92	0.156	21.89	0.155
10	QPSK	25	0	21.22	0.132	21.12	0.129	21.05	0.127
10	QPSK	25	12	21.27	0.134	21.18	0.131	21.26	0.134
10	QPSK	25	25	20.90	0.123	21.00	0.126	21.21	0.132
10	QPSK	50	0	21.04	0.127	21.16	0.131	21.18	0.131
10	16QAM	1	0	21.13	0.130	21.09	0.129	21.23	0.133
10	16QAM	1	25	21.06	0.128	21.20	0.132	21.03	0.127
10	16QAM	1	49	21.21	0.132	21.21	0.132	21.08	0.128
10	16QAM	25	0	20.26	0.106	20.34	0.108	20.23	0.105
10	16QAM	25	12	20.25	0.106	20.29	0.107	20.27	0.106
10	16QAM	25	25	20.39	0.109	20.43	0.110	20.37	0.109
10	16QAM	50	0	20.30	0.107	20.40	0.110	20.35	0.108



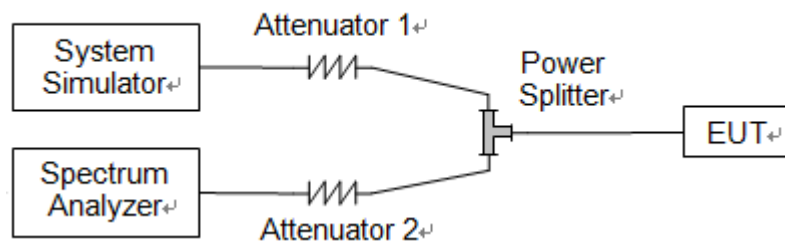
LTE Band 71				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133147		133247		133447	
Frequency (MHz)				665.5		675.5		695.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	21.97	0.157	22.03	0.160	21.78	0.151
5	QPSK	1	12	21.65	0.146	21.96	0.157	21.95	0.157
5	QPSK	1	24	21.75	0.150	21.87	0.154	22.02	0.159
5	QPSK	12	0	21.10	0.129	21.12	0.129	21.03	0.127
5	QPSK	12	7	20.89	0.123	21.06	0.128	20.96	0.125
5	QPSK	12	13	20.93	0.124	20.88	0.122	21.18	0.131
5	QPSK	25	0	21.16	0.131	20.99	0.126	21.07	0.128
5	16QAM	1	0	20.97	0.125	21.11	0.129	20.99	0.126
5	16QAM	1	12	21.07	0.128	21.13	0.130	21.05	0.127
5	16QAM	1	24	20.88	0.122	21.02	0.126	21.12	0.129
5	16QAM	12	0	20.29	0.107	20.37	0.109	20.19	0.104
5	16QAM	12	7	20.19	0.104	20.36	0.109	20.35	0.108
5	16QAM	12	13	20.32	0.108	20.15	0.104	20.31	0.107
5	16QAM	25	0	20.14	0.103	20.10	0.102	20.35	0.108

## 2.2. Occupied Bandwidth

### 2.2.1. Requirement

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

### 2.2.2. Test Description



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

### 2.2.3. Test Procedure

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

### 2.2.4. Test Result



LTE Band 2				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.27
	Low	16QAM	1.10	1.29
	Mid	QPSK	1.09	1.27
	Mid	16QAM	1.10	1.28
	High	QPSK	1.10	1.28
	High	16QAM	1.10	1.30
3	Low	QPSK	2.69	2.92
	Low	16QAM	2.70	2.94
	Mid	QPSK	2.69	2.92
	Mid	16QAM	2.69	2.92
	High	QPSK	2.69	2.91
	High	16QAM	2.69	2.93
5	Low	QPSK	4.49	4.91
	Low	16QAM	4.49	4.91
	Mid	QPSK	4.51	4.91
	Mid	16QAM	4.51	4.92
	High	QPSK	4.49	4.94
	High	16QAM	4.50	4.91
10	Low	QPSK	8.99	9.84
	Low	16QAM	8.98	9.71
	Mid	QPSK	9.00	9.75
	Mid	16QAM	8.97	9.71
	High	QPSK	8.97	9.77
	High	16QAM	8.98	9.74
15	Low	QPSK	13.49	14.54
	Low	16QAM	13.47	14.54
	Mid	QPSK	13.50	14.51
	Mid	16QAM	13.45	14.62
	High	QPSK	13.48	14.62
	High	16QAM	13.47	14.58
20	Low	QPSK	17.98	19.42
	Low	16QAM	18.01	19.42
	Mid	QPSK	17.90	19.22
	Mid	16QAM	17.97	19.36
	High	QPSK	17.95	19.36
	High	16QAM	17.99	19.33



LTE Band 4				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.28
	Low	16QAM	1.10	1.31
	Mid	QPSK	1.09	1.27
	Mid	16QAM	1.10	1.29
	High	QPSK	1.10	1.27
	High	16QAM	1.10	1.29
3	Low	QPSK	2.69	2.91
	Low	16QAM	2.69	2.93
	Mid	QPSK	2.69	2.92
	Mid	16QAM	2.70	2.93
	High	QPSK	2.69	2.91
	High	16QAM	2.69	2.93
5	Low	QPSK	4.49	4.95
	Low	16QAM	4.50	5.07
	Mid	QPSK	4.50	4.93
	Mid	16QAM	4.50	4.88
	High	QPSK	4.49	4.93
	High	16QAM	4.50	4.97
10	Low	QPSK	9.00	9.73
	Low	16QAM	8.96	10.05
	Mid	QPSK	8.99	9.72
	Mid	16QAM	8.97	9.69
	High	QPSK	8.99	9.76
	High	16QAM	8.97	9.74
15	Low	QPSK	13.47	14.51
	Low	16QAM	13.46	14.53
	Mid	QPSK	13.48	14.71
	Mid	16QAM	13.48	14.62
	High	QPSK	13.47	14.66
	High	16QAM	13.46	14.56
20	Low	QPSK	17.96	20.20
	Low	16QAM	17.96	23.49
	Mid	QPSK	17.95	19.44
	Mid	16QAM	17.98	19.44
	High	QPSK	17.92	19.35
	High	16QAM	17.91	19.31





LTE Band 5				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.26
	Low	16QAM	1.10	1.29
	Mid	QPSK	1.09	1.28
	Mid	16QAM	1.10	1.29
	High	QPSK	1.10	1.29
	High	16QAM	1.10	1.26
3	Low	QPSK	2.69	2.92
	Low	16QAM	2.69	2.93
	Mid	QPSK	2.69	2.92
	Mid	16QAM	2.69	2.93
	High	QPSK	2.76	2.88
	High	16QAM	2.69	2.92
5	Low	QPSK	4.49	4.91
	Low	16QAM	4.50	4.93
	Mid	QPSK	4.50	4.93
	Mid	16QAM	4.50	4.92
	High	QPSK	4.49	4.93
	High	16QAM	4.51	4.96
10	Low	QPSK	8.99	9.71
	Low	16QAM	8.97	9.76
	Mid	QPSK	8.99	9.72
	Mid	16QAM	8.98	9.66
	High	QPSK	8.99	9.71
	High	16QAM	8.97	9.69



LTE Band 12				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.29
	Low	16QAM	1.10	1.29
	Mid	QPSK	1.09	1.29
	Mid	16QAM	1.10	1.29
	High	QPSK	1.09	1.27
	High	16QAM	1.10	1.29
3	Low	QPSK	2.69	2.92
	Low	16QAM	2.69	2.93
	Mid	QPSK	2.69	2.92
	Mid	16QAM	2.70	2.93
	High	QPSK	2.69	2.92
	High	16QAM	2.69	2.93
5	Low	QPSK	4.51	5.19
	Low	16QAM	4.52	5.16
	Mid	QPSK	4.52	5.16
	Mid	16QAM	4.52	5.14
	High	QPSK	4.51	5.18
	High	16QAM	4.51	5.13
10	Low	QPSK	9.02	10.12
	Low	16QAM	9.00	10.04
	Mid	QPSK	9.03	9.99
	Mid	16QAM	8.98	9.96
	High	QPSK	9.03	10.13
	High	16QAM	8.98	9.98



LTE Band 25				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.27
	Low	16QAM	1.10	1.28
	Mid	QPSK	1.09	1.26
	Mid	16QAM	1.10	1.30
	High	QPSK	1.09	1.27
	High	16QAM	1.10	1.31
3	Low	QPSK	2.69	2.92
	Low	16QAM	2.69	2.93
	Mid	QPSK	2.69	2.91
	Mid	16QAM	2.69	2.92
	High	QPSK	2.69	2.94
	High	16QAM	2.69	2.93
5	Low	QPSK	4.51	5.18
	Low	16QAM	4.51	5.14
	Mid	QPSK	4.51	5.16
	Mid	16QAM	4.51	5.14
	High	QPSK	4.51	5.13
	High	16QAM	4.50	5.13
10	Low	QPSK	8.99	10.03
	Low	16QAM	8.98	10.07
	Mid	QPSK	9.03	10.10
	Mid	16QAM	8.99	10.04
	High	QPSK	8.99	10.01
	High	16QAM	8.97	10.05
15	Low	QPSK	13.46	14.96
	Low	16QAM	13.49	14.98
	Mid	QPSK	13.50	14.94
	Mid	16QAM	13.48	14.93
	High	QPSK	13.47	14.96
	High	16QAM	13.47	14.99
20	Low	QPSK	17.97	19.94
	Low	16QAM	17.99	19.81
	Mid	QPSK	17.91	19.71
	Mid	16QAM	17.96	19.70
	High	QPSK	17.95	19.75
	High	16QAM	17.97	19.64



LTE Band 26				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.27
	Low	16QAM	1.10	1.30
	Mid	QPSK	1.09	1.26
	Mid	16QAM	1.10	1.29
	High	QPSK	1.09	1.27
	High	16QAM	1.11	1.27
3	Low	QPSK	2.69	2.92
	Low	16QAM	2.69	2.93
	Mid	QPSK	2.69	2.93
	Mid	16QAM	2.68	2.93
	High	QPSK	2.71	2.87
	High	16QAM	2.69	2.96
5	Low	QPSK	4.49	4.92
	Low	16QAM	4.50	4.92
	Mid	QPSK	4.50	4.94
	Mid	16QAM	4.50	4.92
	High	QPSK	4.46	4.78
	High	16QAM	4.50	4.91
10	Low	QPSK	8.99	9.70
	Low	16QAM	8.97	9.69
	Mid	QPSK	9.01	9.76
	Mid	16QAM	8.97	9.72
	High	QPSK	8.99	9.74
	High	16QAM	8.96	9.69
15	Low	QPSK	13.47	14.55
	Low	16QAM	13.46	14.64
	Mid	QPSK	13.50	14.62
	Mid	16QAM	13.47	14.66
	High	QPSK	13.47	14.64
	High	16QAM	13.45	14.62



LTE Band 41				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.51	4.92
	Low	16QAM	4.52	5.26
	Mid	QPSK	4.51	5.14
	Mid	16QAM	4.51	4.96
	High	QPSK	4.52	5.05
	High	16QAM	4.51	5.07
10	Low	QPSK	8.99	10.03
	Low	16QAM	8.97	10.14
	Mid	QPSK	9.00	10.07
	Mid	16QAM	8.99	10.14
	High	QPSK	9.00	9.99
	High	16QAM	8.98	10.37
15	Low	QPSK	13.48	14.70
	Low	16QAM	13.48	14.77
	Mid	QPSK	13.50	14.76
	Mid	16QAM	13.48	14.99
	High	QPSK	13.46	15.04
	High	16QAM	13.49	14.55
20	Low	QPSK	17.99	20.15
	Low	16QAM	17.97	19.58
	Mid	QPSK	17.97	19.43
	Mid	16QAM	17.94	20.20
	High	QPSK	17.98	20.58
	High	16QAM	17.97	19.55



LTE Band 66				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.26
	Low	16QAM	1.10	1.29
	Mid	QPSK	1.09	1.27
	Mid	16QAM	1.10	1.28
	High	QPSK	1.09	1.26
	High	16QAM	1.10	1.29
3	Low	QPSK	2.69	2.91
	Low	16QAM	2.69	2.91
	Mid	QPSK	2.69	2.91
	Mid	16QAM	2.70	2.93
	High	QPSK	2.69	2.91
	High	16QAM	2.69	2.93
5	Low	QPSK	4.52	5.18
	Low	16QAM	4.51	5.11
	Mid	QPSK	4.51	5.20
	Mid	16QAM	4.50	5.15
	High	QPSK	4.51	5.19
	High	16QAM	4.52	5.19
10	Low	QPSK	9.02	10.04
	Low	16QAM	8.98	9.95
	Mid	QPSK	8.99	10.07
	Mid	16QAM	8.97	10.01
	High	QPSK	9.01	10.14
	High	16QAM	8.99	10.06
15	Low	QPSK	13.47	14.95
	Low	16QAM	13.49	14.83
	Mid	QPSK	13.51	15.09
	Mid	16QAM	13.49	15.03
	High	QPSK	13.48	14.91
	High	16QAM	13.49	15.06
20	Low	QPSK	17.94	19.71
	Low	16QAM	18.01	20.54
	Mid	QPSK	17.98	19.74
	Mid	16QAM	17.97	19.79
	High	QPSK	17.97	19.75
	High	16QAM	17.98	19.73

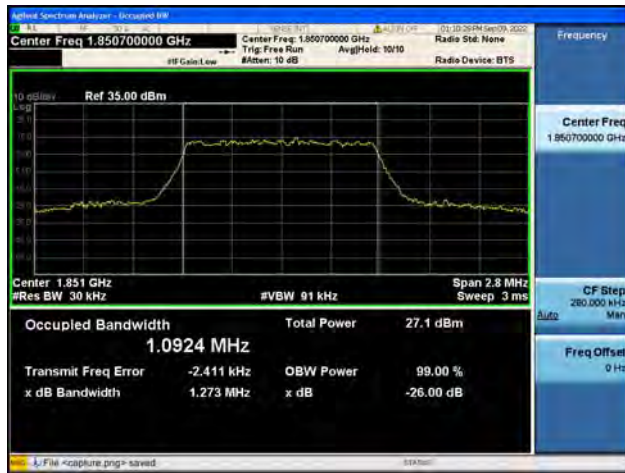


LTE Band 71				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.52	5.21
	Low	16QAM	4.51	5.19
	Mid	QPSK	4.51	5.18
	Mid	16QAM	4.51	5.13
	High	QPSK	4.51	5.14
	High	16QAM	4.51	5.16
10	Low	QPSK	9.03	10.01
	Low	16QAM	8.99	10.02
	Mid	QPSK	9.02	10.08
	Mid	16QAM	8.99	9.87
	High	QPSK	9.01	10.09
	High	16QAM	8.99	10.00
15	Low	QPSK	13.49	14.96
	Low	16QAM	13.48	15.03
	Mid	QPSK	13.51	15.12
	Mid	16QAM	13.52	14.98
	High	QPSK	13.48	15.05
	High	16QAM	13.49	15.16
20	Low	QPSK	17.98	19.68
	Low	16QAM	17.95	19.66
	Mid	QPSK	17.99	19.79
	Mid	16QAM	18.02	19.78
	High	QPSK	17.95	19.83
	High	16QAM	17.95	19.74

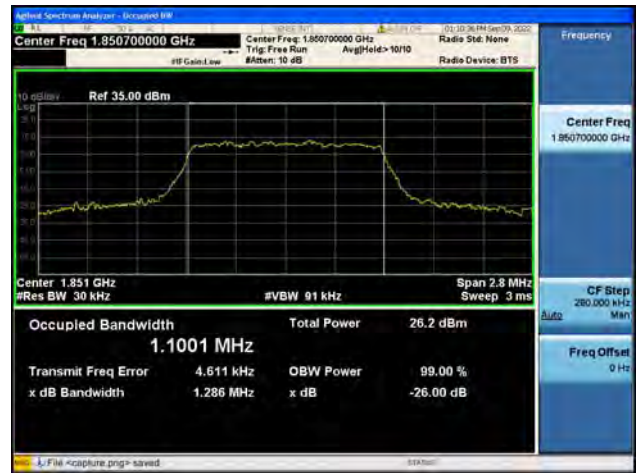




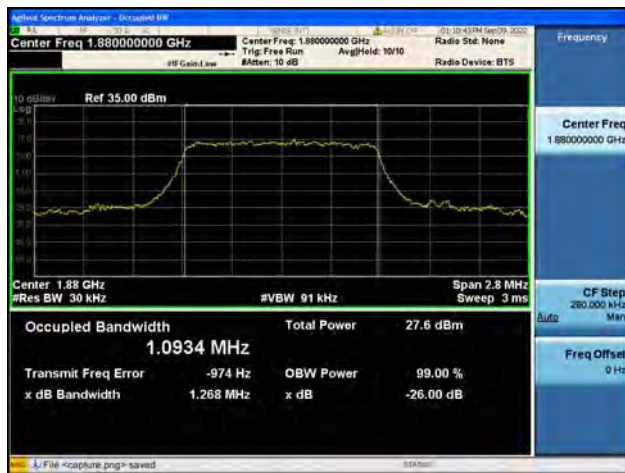
Band2 / 1.4MHz / QPSK/ Low CH



Band2 / 1.4MHz / 16QAM/ Low CH



Band2 / 1.4MHz / QPSK/ Mid CH



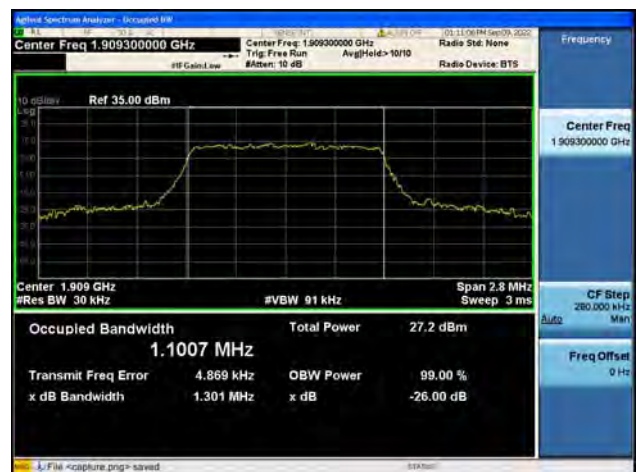
Band2 / 1.4MHz / 16QAM/ Mid CH



Band2 / 1.4MHz / QPSK/ High CH



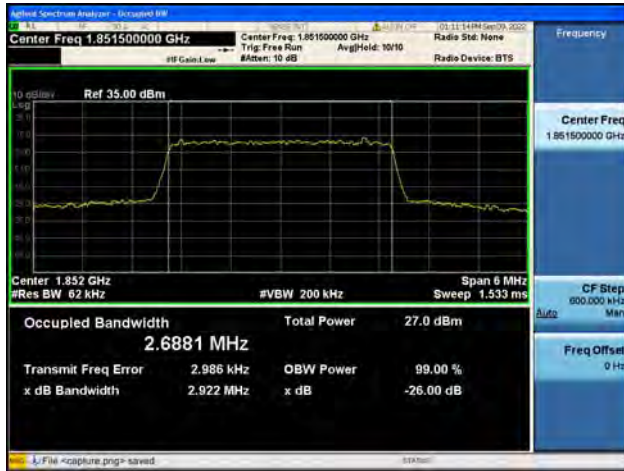
Band2 / 1.4MHz / 16QAM/ High CH



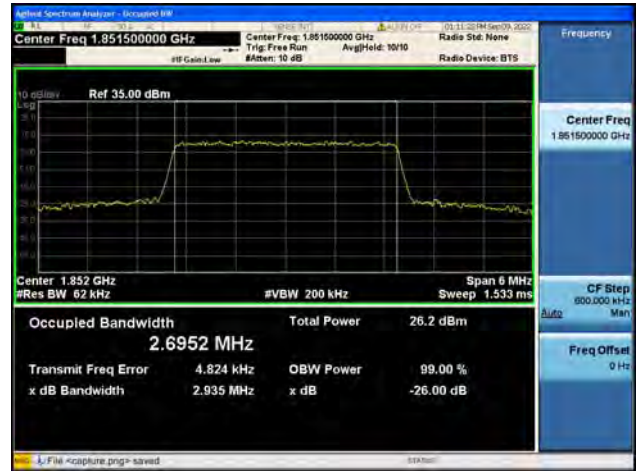




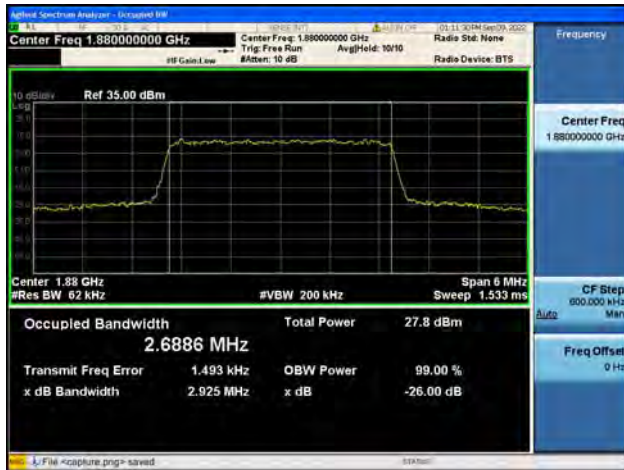
Band2 / 3MHz / QPSK/ Low CH



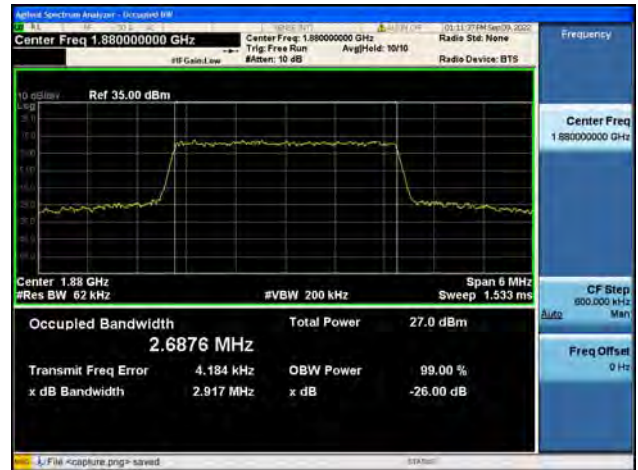
Band2 / 3MHz / 16QAM/ Low CH



Band2 / 3MHz / QPSK/ Mid CH



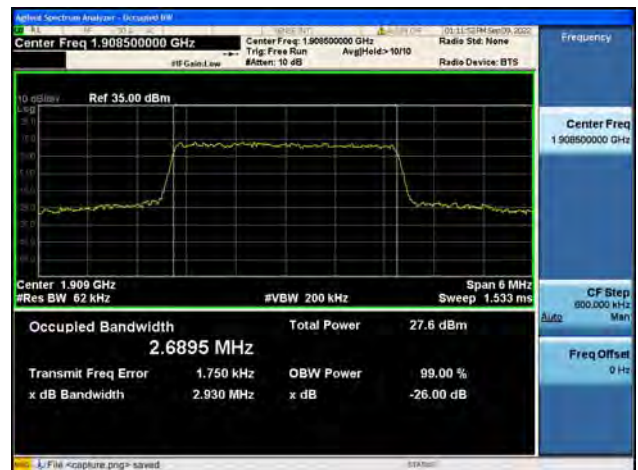
Band2 / 3MHz / 16QAM/ Mid CH



Band2 / 3MHz / QPSK/ High CH



Band2 / 3MHz / 16QAM/ High CH

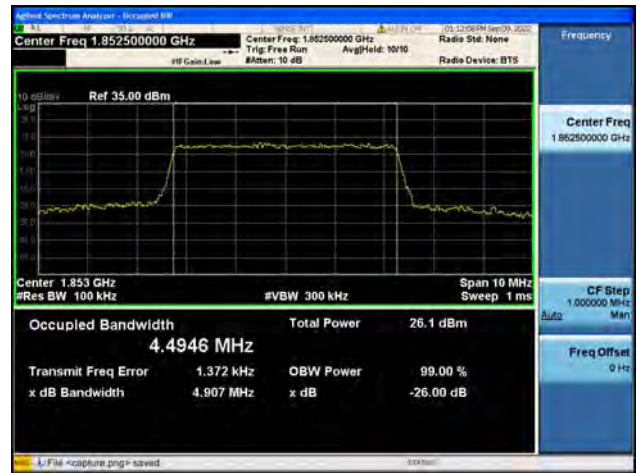




Band2 / 5MHz / QPSK/ Low CH



Band2 / 5MHz / 16QAM/ Low CH



Band2 / 5MHz / QPSK/ Mid CH



Band2 / 5MHz / 16QAM/ Mid CH



Band2 / 5MHz / QPSK/ High CH



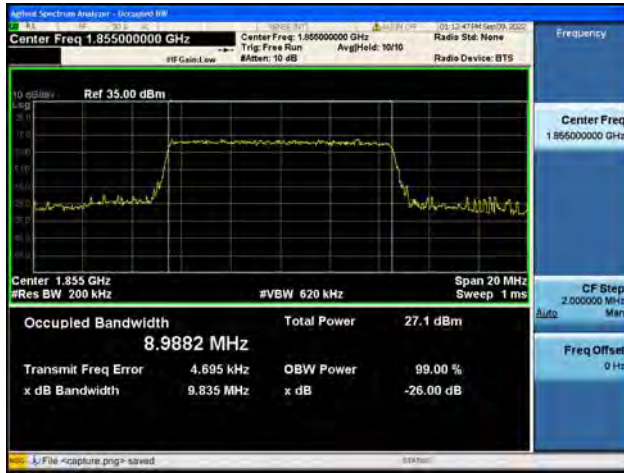
Band2 / 5MHz / 16QAM/ High CH







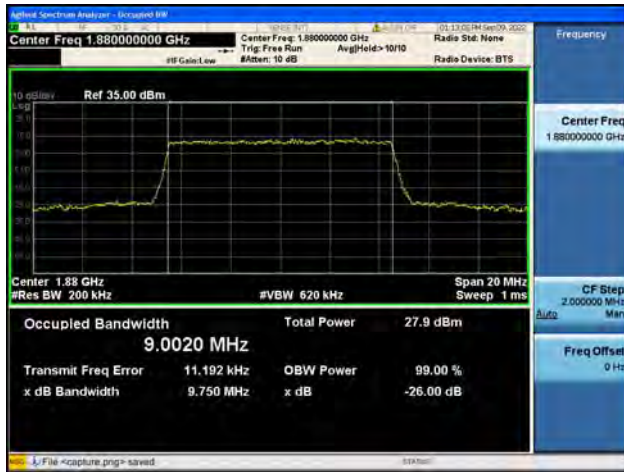
Band2 / 10MHz / QPSK/ Low CH



Band2 / 10MHz / 16QAM/ Low CH



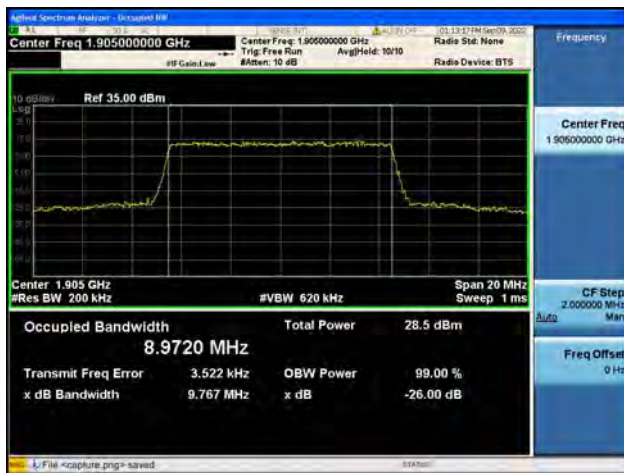
Band2 / 10MHz / QPSK/ Mid CH



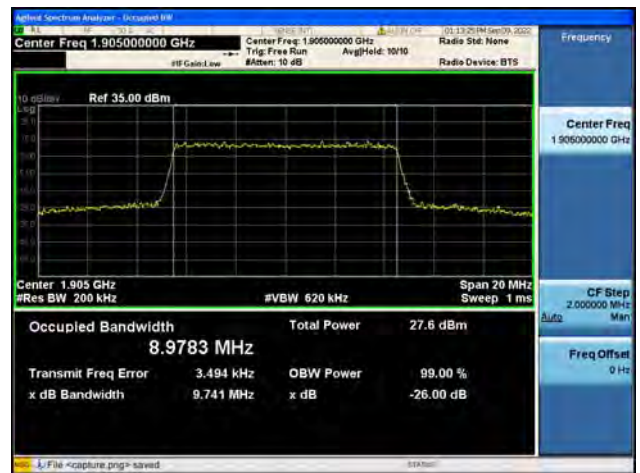
Band2 / 10MHz / 16QAM/ Mid CH



Band2 / 10MHz / QPSK/ High CH

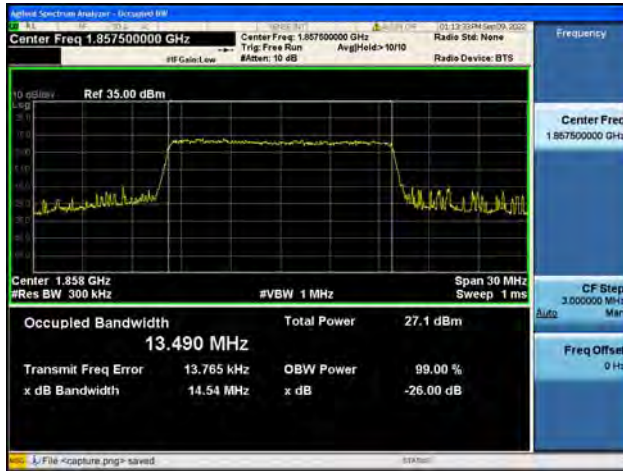


Band2 / 10MHz / 16QAM/ High CH

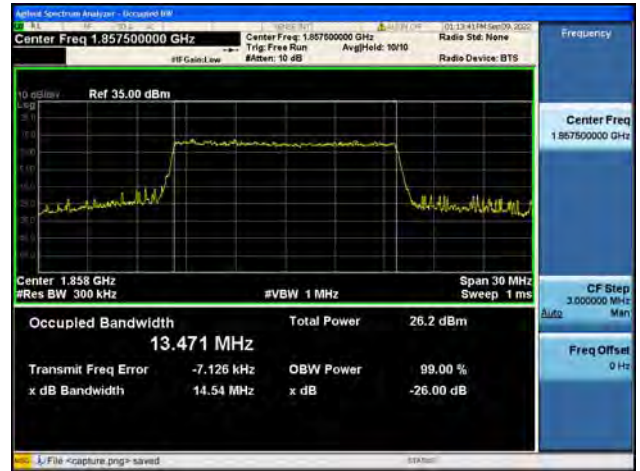




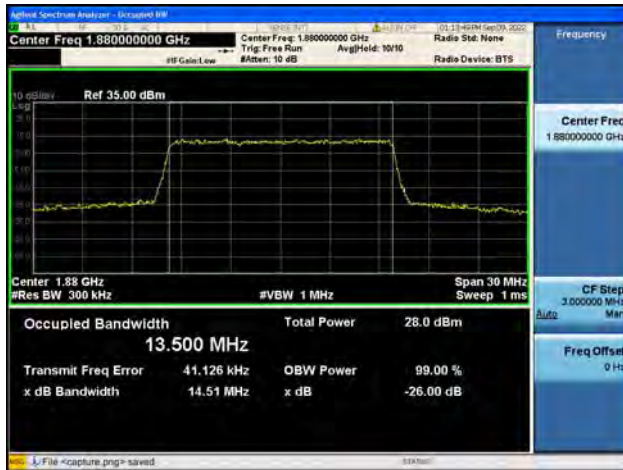
Band2 / 15MHz / QPSK/ Low CH



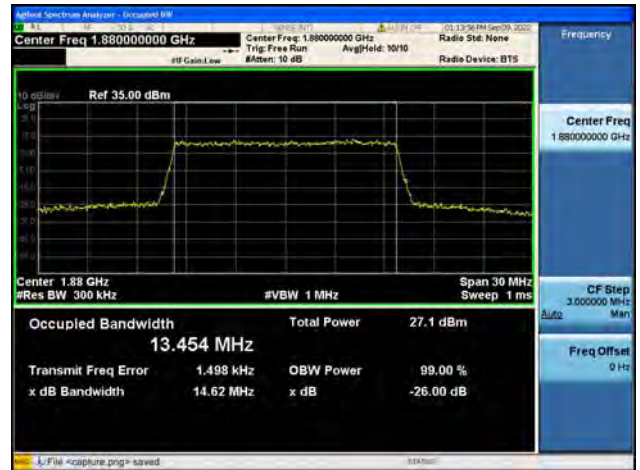
Band2 / 15MHz / 16QAM/ Low CH



Band2 / 15MHz / QPSK/ Mid CH



Band2 / 15MHz / 16QAM/ Mid CH



Band2 / 15MHz / QPSK/ High CH



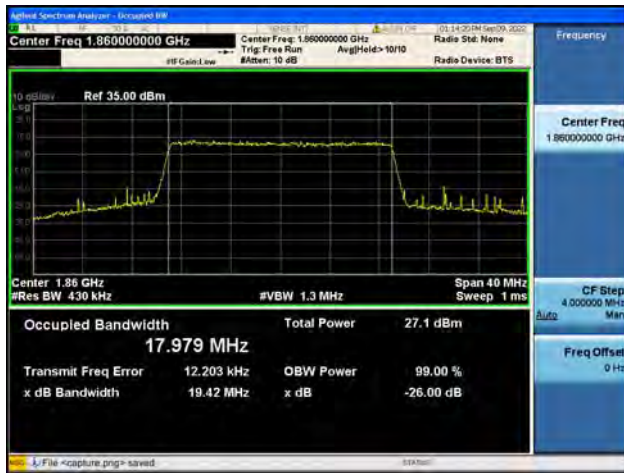
Band2 / 15MHz / 16QAM/ High CH



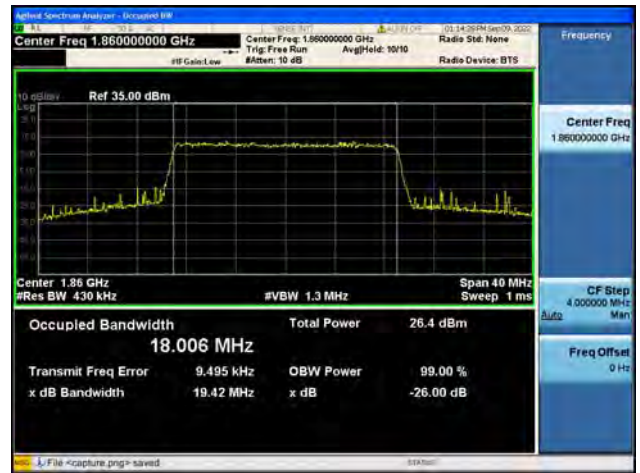




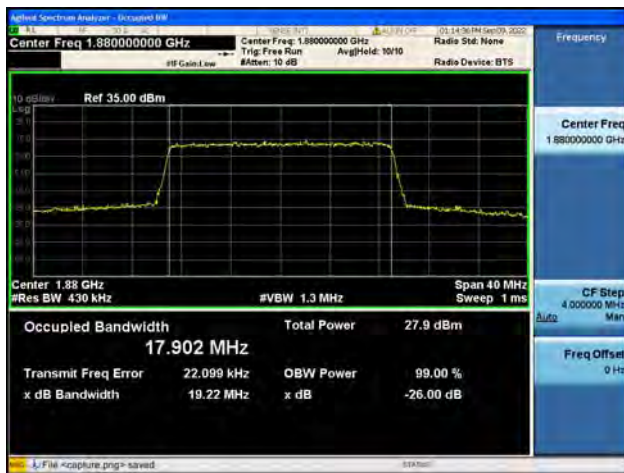
Band2 / 20MHz / QPSK/ Low CH



Band2 / 20MHz / 16QAM/ Low CH



Band2 / 20MHz / QPSK/ Mid CH



Band2 / 20MHz / 16QAM/ Mid CH



Band2 / 20MHz / QPSK/ High CH



Band2 / 20MHz / 16QAM/ High CH

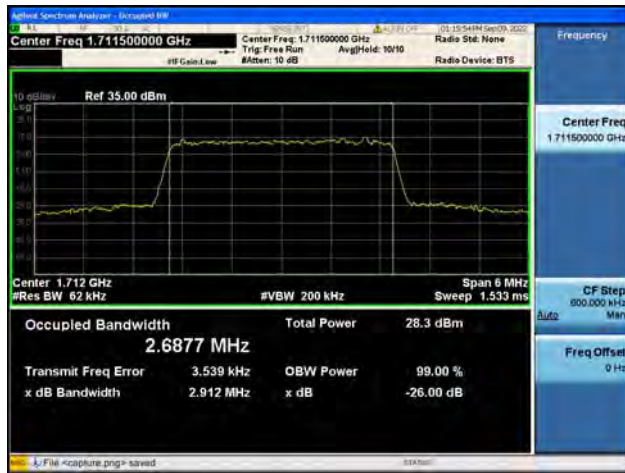




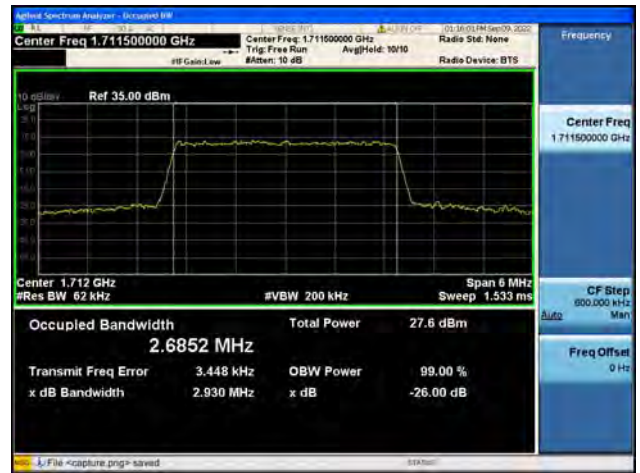




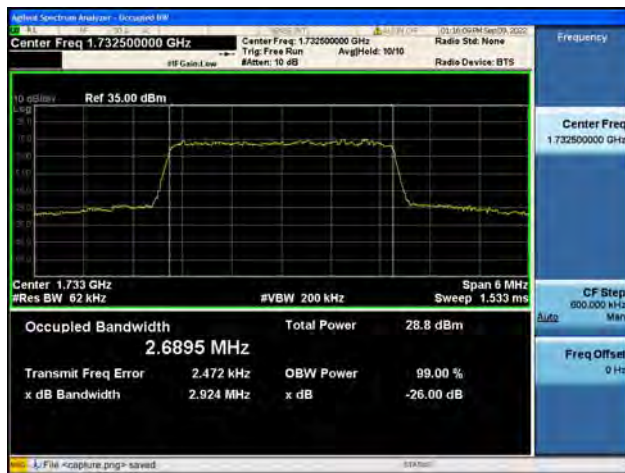
Band4 / 3MHz / QPSK/ Low CH



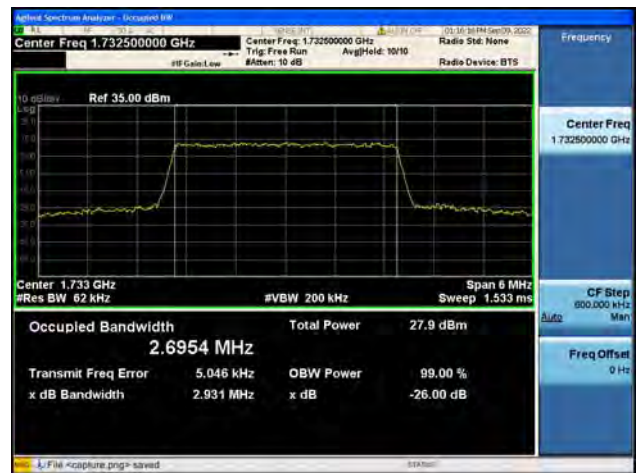
Band4 / 3MHz / 16QAM/ Low CH



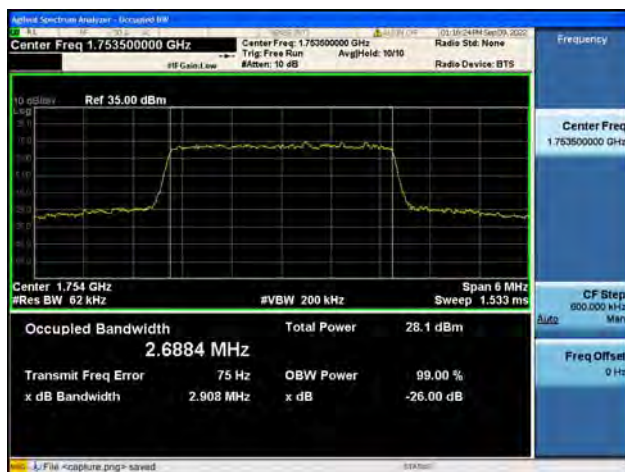
Band4 / 3MHz / QPSK/ Mid CH



Band4 / 3MHz / 16QAM/ Mid CH



Band4 / 3MHz / QPSK/ High CH

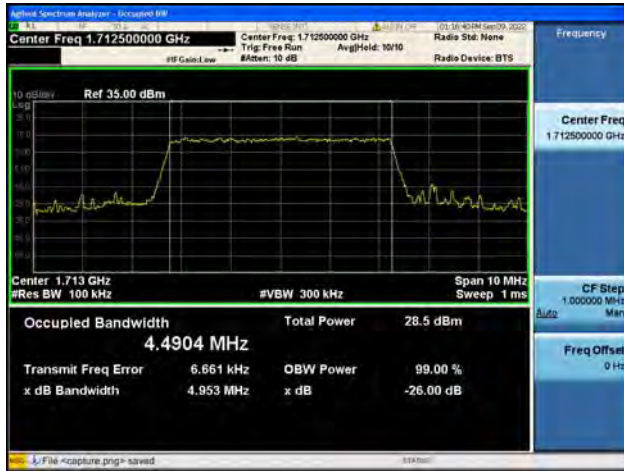


Band4 / 3MHz / 16QAM/ High CH

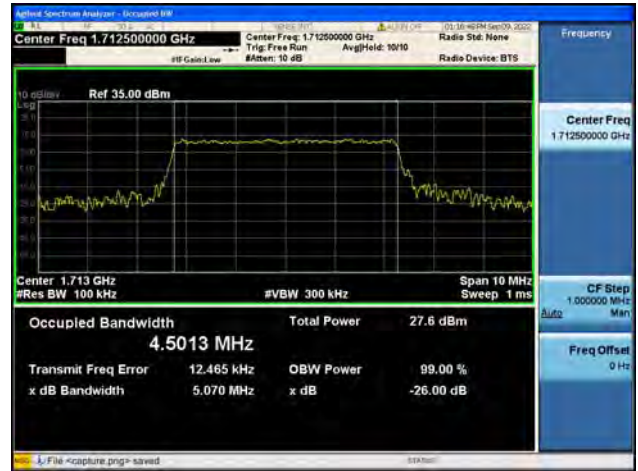




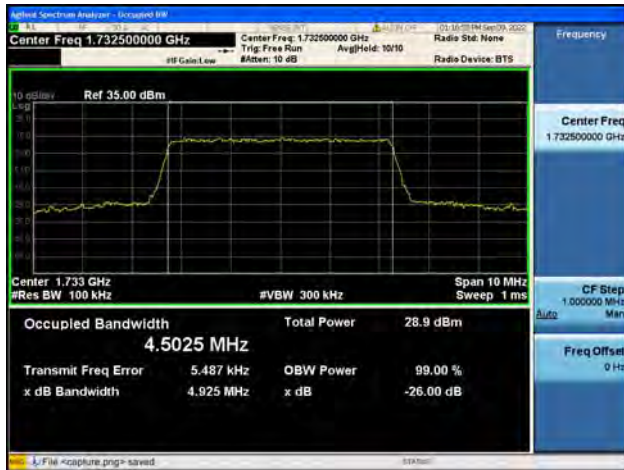
Band4 / 5MHz / QPSK/ Low CH



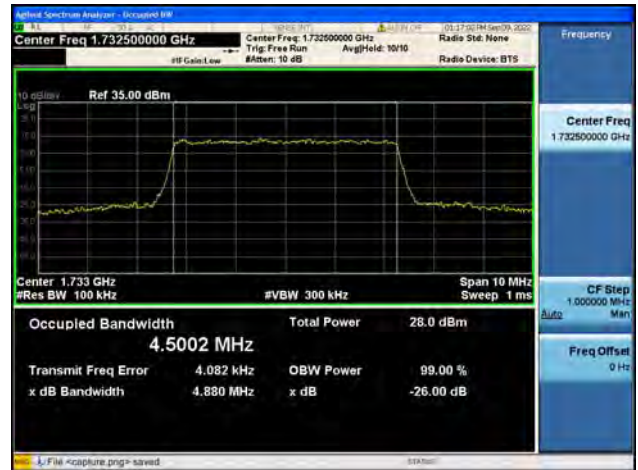
Band4 / 5MHz / 16QAM/ Low CH



Band4 / 5MHz / QPSK/ Mid CH



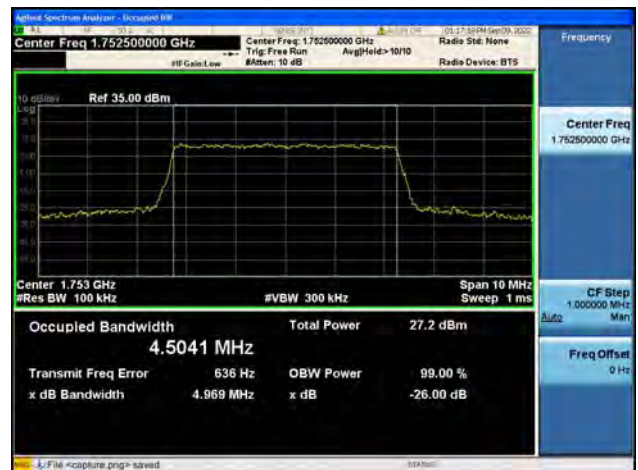
Band4 / 5MHz / 16QAM/ Mid CH



Band4 / 5MHz / QPSK/ High CH



Band4 / 5MHz / 16QAM/ High CH



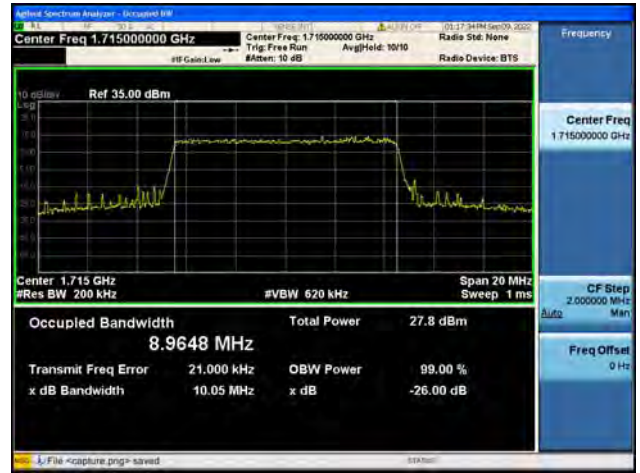




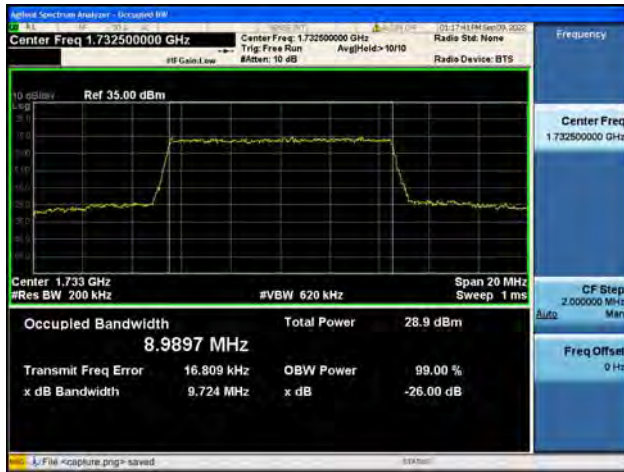
Band4 / 10MHz / QPSK/ Low CH



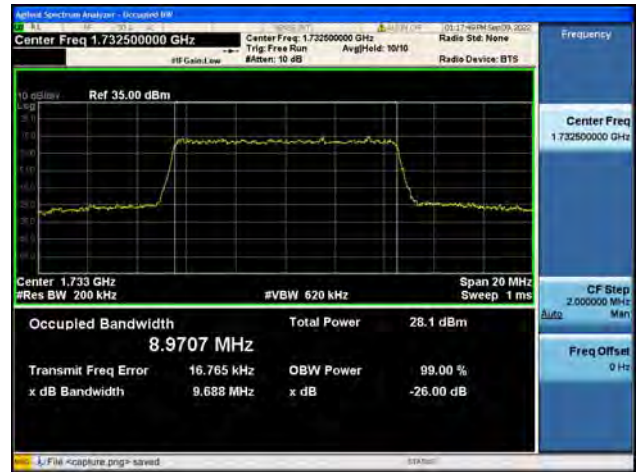
Band4 / 10MHz / 16QAM/ Low CH



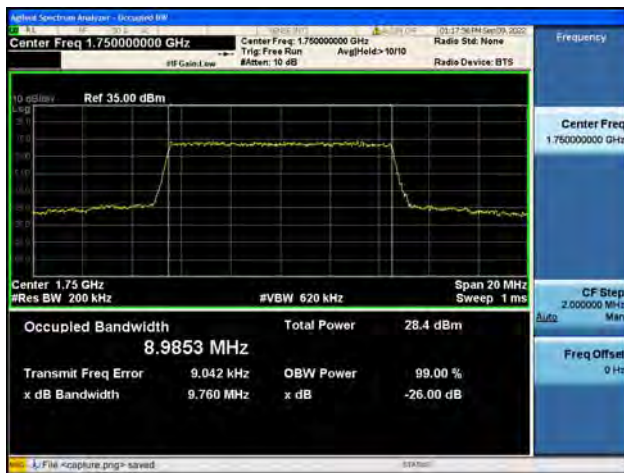
Band4 / 10MHz / QPSK/ Mid CH



Band4 / 10MHz / 16QAM/ Mid CH



Band4 / 10MHz / QPSK/ High CH

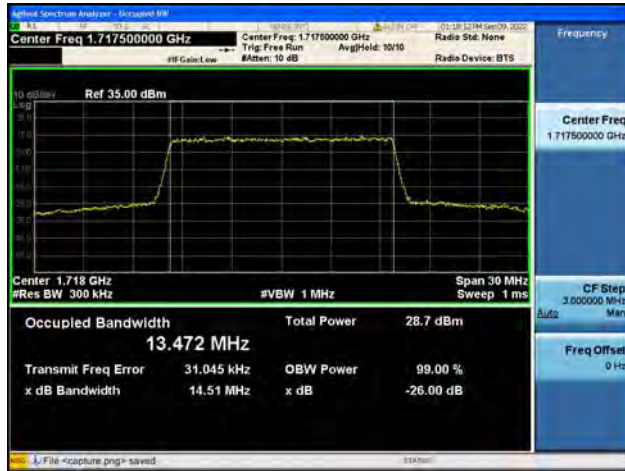


Band4 / 10MHz / 16QAM/ High CH

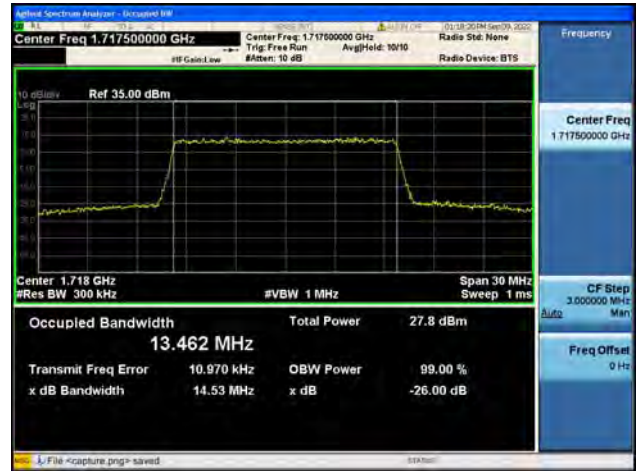




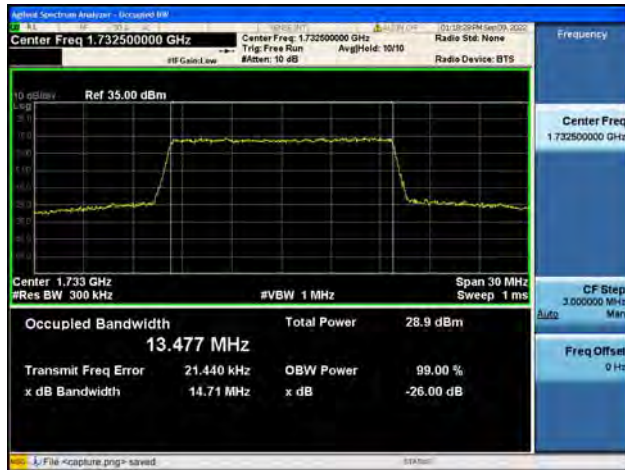
Band4 / 15MHz / QPSK/ Low CH



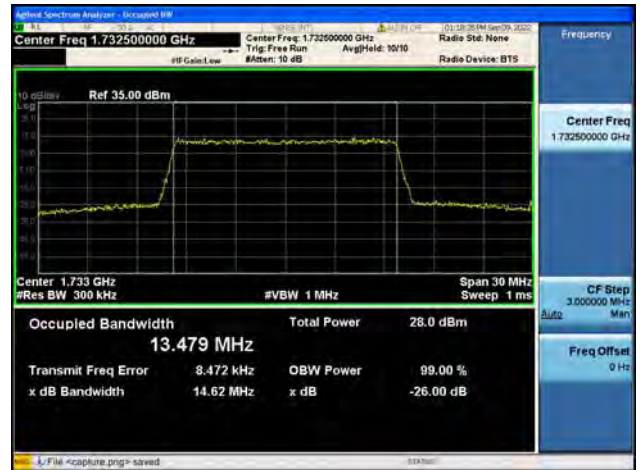
Band4 / 15MHz / 16QAM/ Low CH



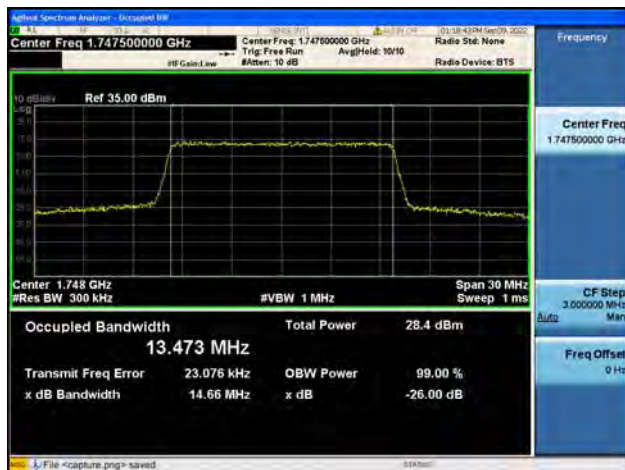
Band4 / 15MHz / QPSK/ Mid CH



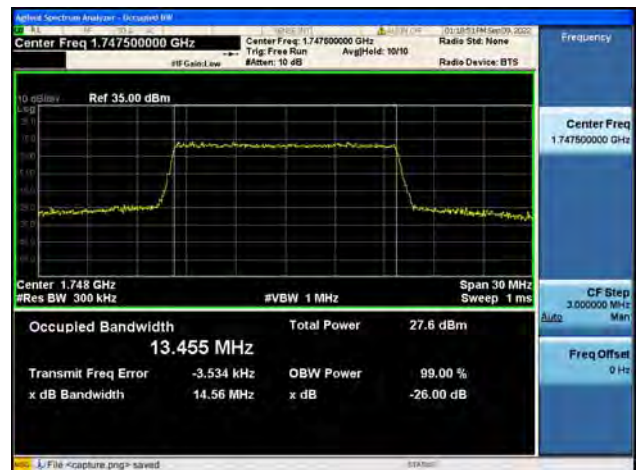
Band4 / 15MHz / 16QAM/ Mid CH



Band4 / 15MHz / QPSK/ High CH



Band4 / 15MHz / 16QAM/ High CH



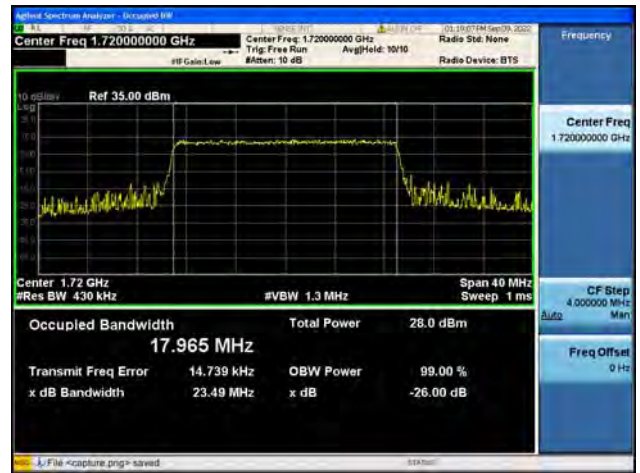




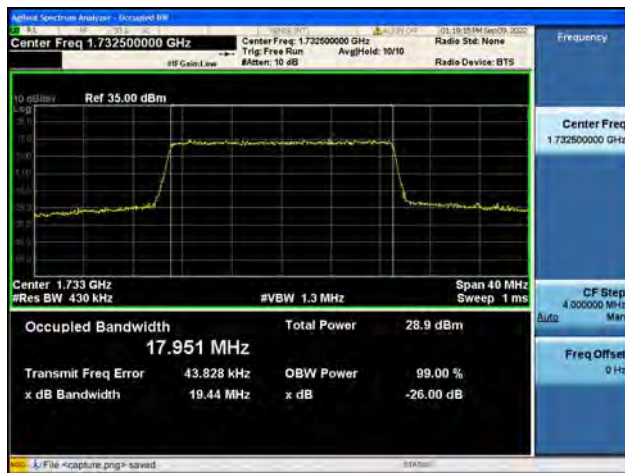
Band4 / 20MHz / QPSK/ Low CH



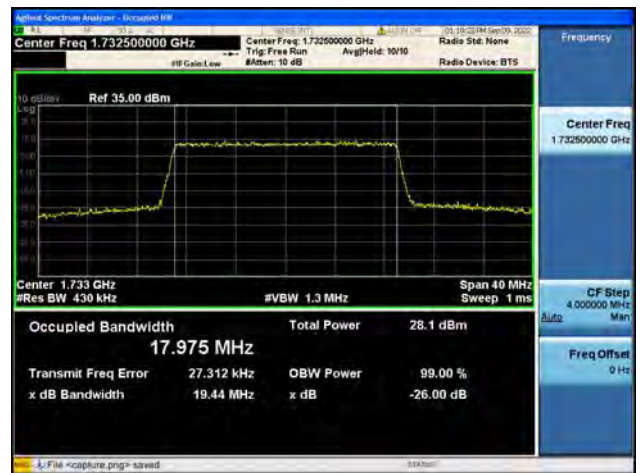
Band4 / 20MHz / 16QAM/ Low CH



Band4 / 20MHz / QPSK/ Mid CH



Band4 / 20MHz / 16QAM/ Mid CH



Band4 / 20MHz / QPSK/ High CH



Band4 / 20MHz / 16QAM/ High CH





Band5 / 1.4MHz / QPSK/ Low CH



Band5 / 1.4MHz / 16QAM/ Low CH



Band5 / 1.4MHz / QPSK/ Mid CH



Band5 / 1.4MHz / 16QAM/ Mid CH



Band5 / 1.4MHz / QPSK/ High CH



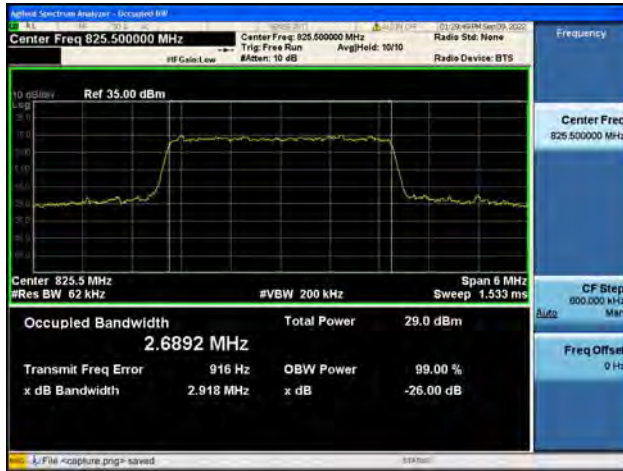
Band5 / 1.4MHz / 16QAM/ High CH



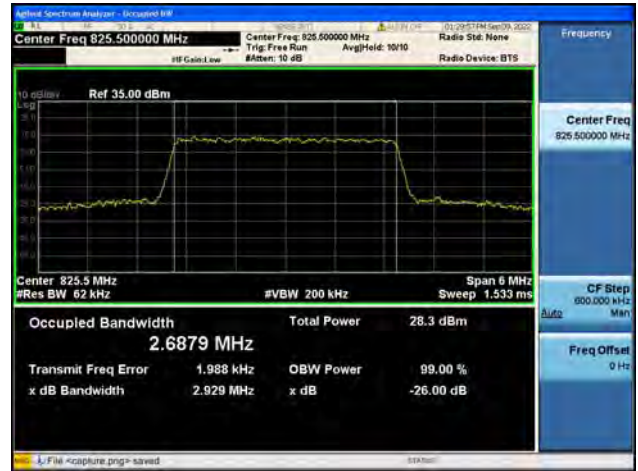




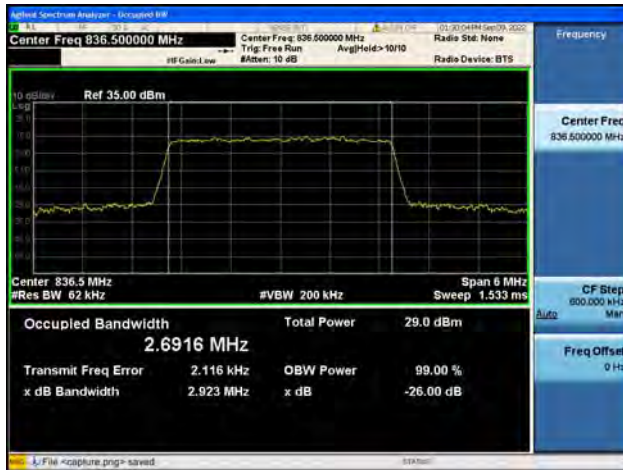
Band5 / 3MHz / QPSK/ Low CH



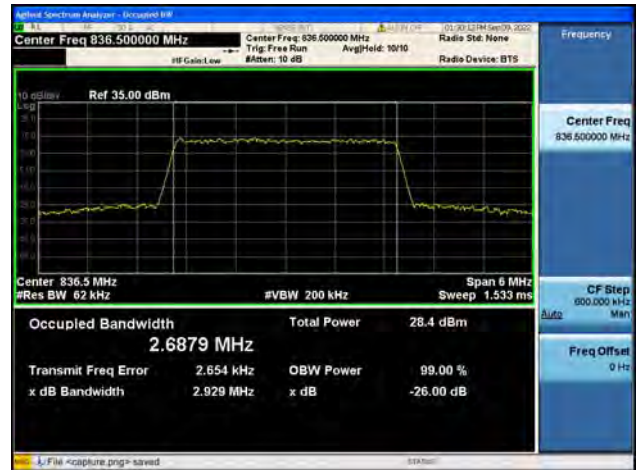
Band5 / 3MHz / 16QAM/ Low CH



Band5 / 3MHz / QPSK/ Mid CH



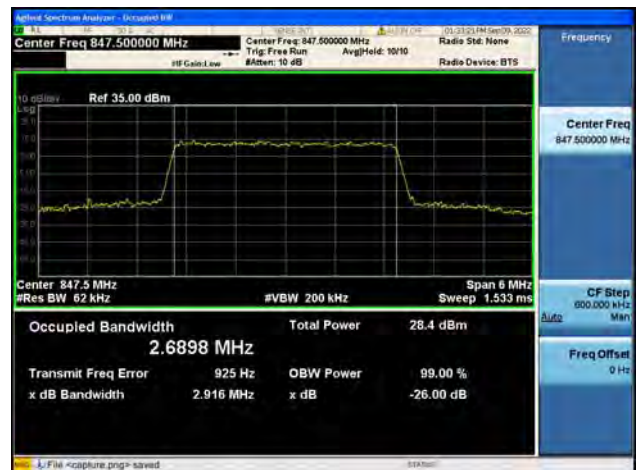
Band5 / 3MHz / 16QAM/ Mid CH



Band5 / 3MHz / QPSK/ High CH

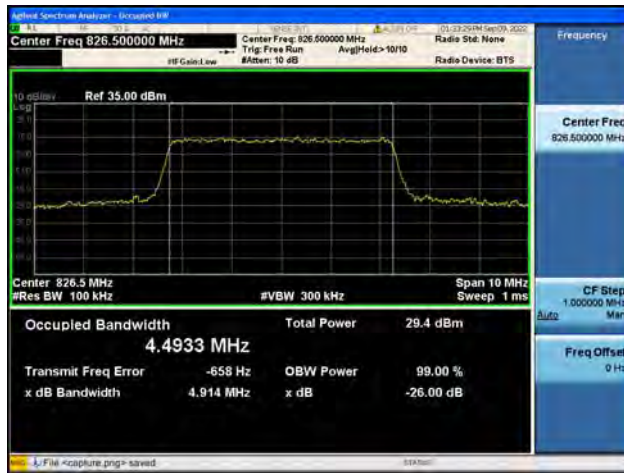


Band5 / 3MHz / 16QAM/ High CH

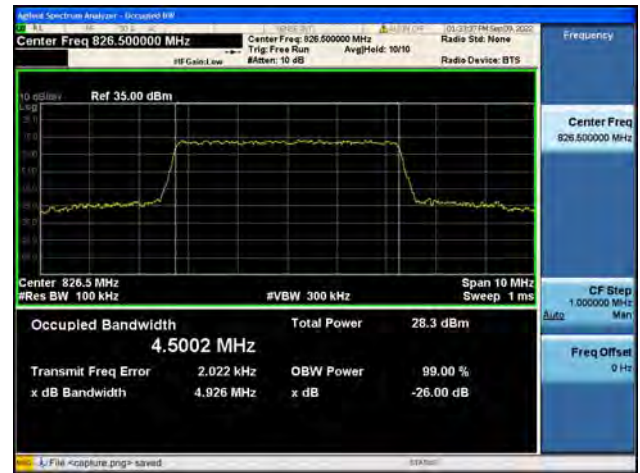




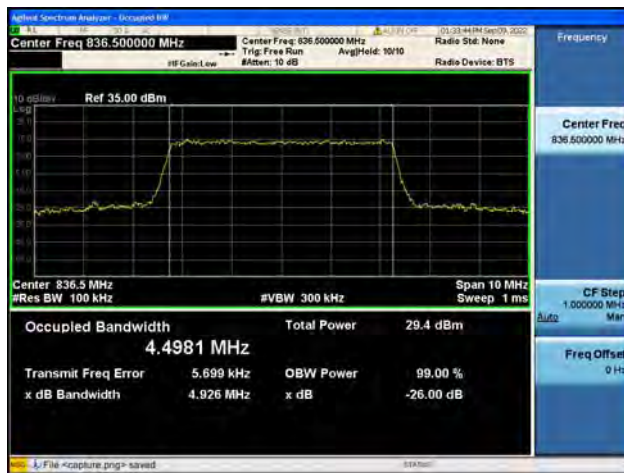
Band5 / 5MHz / QPSK/ Low CH



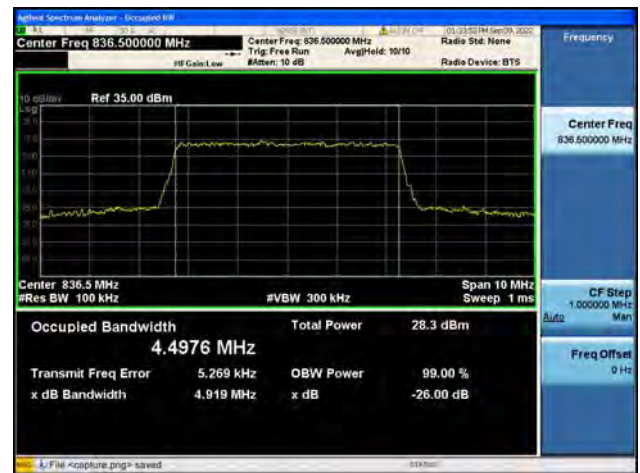
Band5 / 5MHz / 16QAM/ Low CH



Band5 / 5MHz / QPSK/ Mid CH



Band5 / 5MHz / 16QAM/ Mid CH



Band5 / 5MHz / QPSK/ High CH



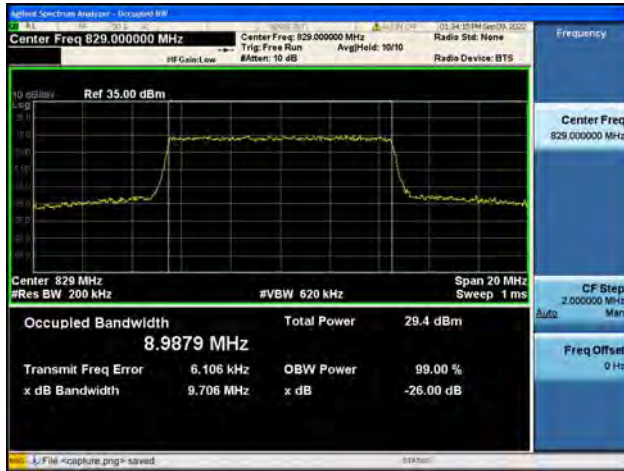
Band5 / 5MHz / 16QAM/ High CH



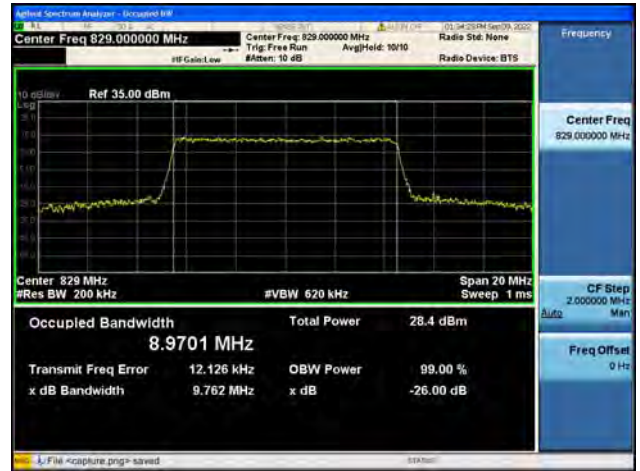




Band5 / 10MHz / QPSK/ Low CH



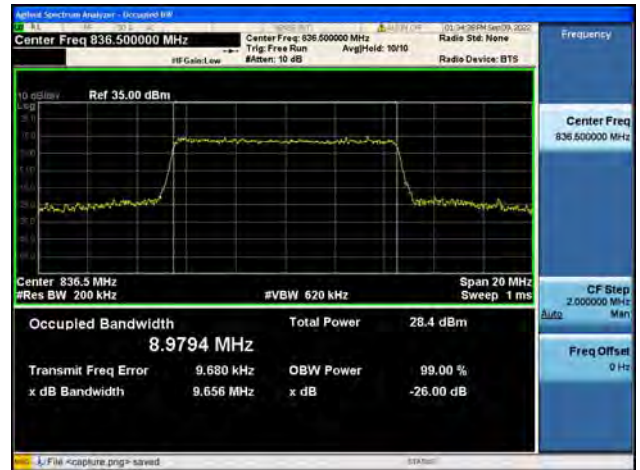
Band5 / 10MHz / 16QAM/ Low CH



Band5 / 10MHz / QPSK/ Mid CH



Band5 / 10MHz / 16QAM/ Mid CH



Band5 / 10MHz / QPSK/ High CH

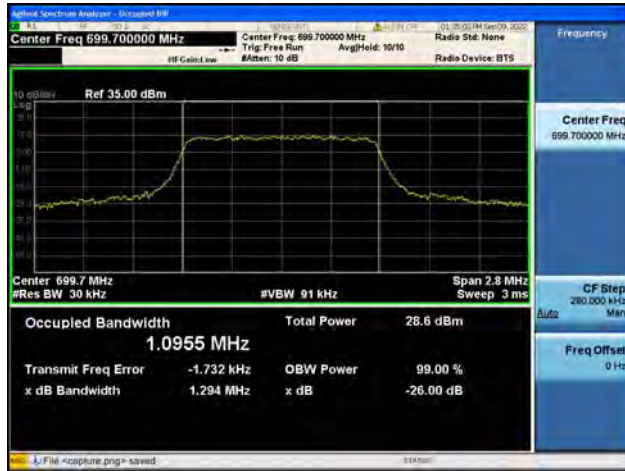


Band5 / 10MHz / 16QAM/ High CH

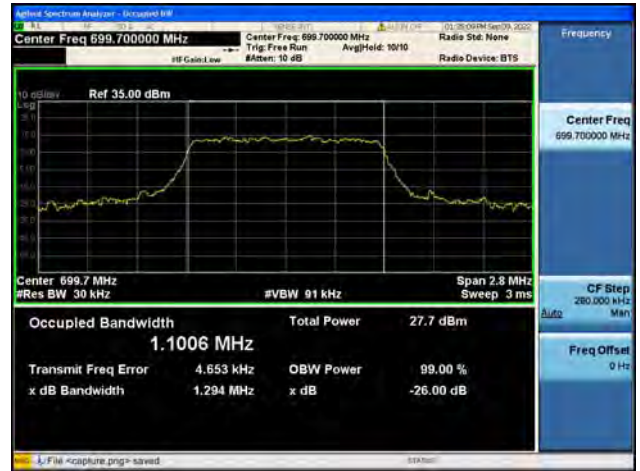




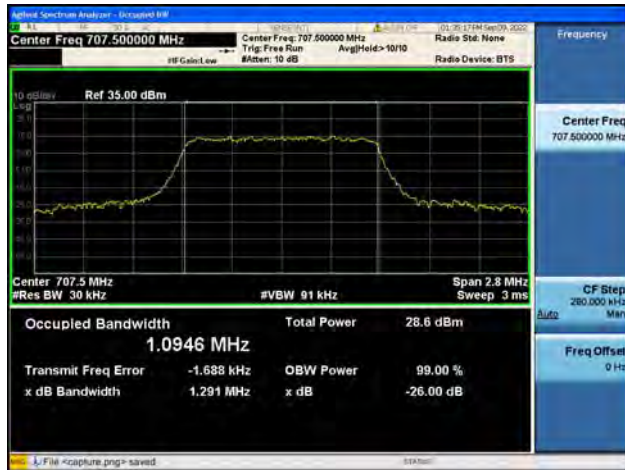
Band12 / 1.4MHz / QPSK/ Low CH



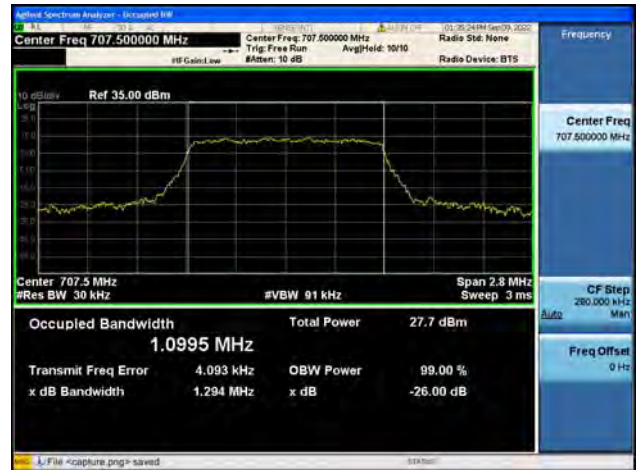
Band12 / 1.4MHz / 16QAM/ Low CH



Band12 / 1.4MHz / QPSK/ Mid CH



Band12 / 1.4MHz / 16QAM/ Mid CH



Band12 / 1.4MHz / QPSK/ High CH



Band12 / 1.4MHz / 16QAM/ High CH







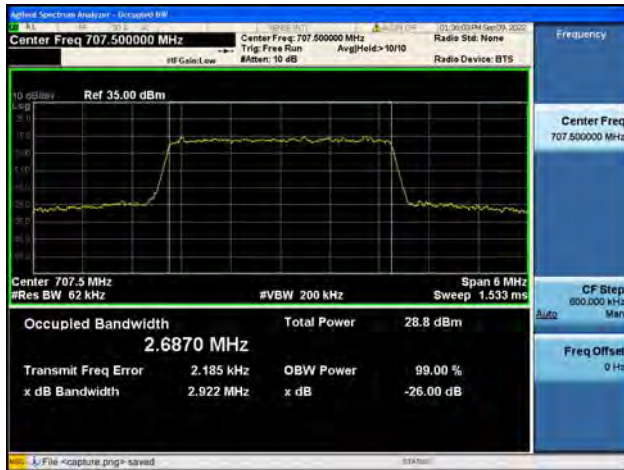
Band12 / 3MHz / QPSK/ Low CH



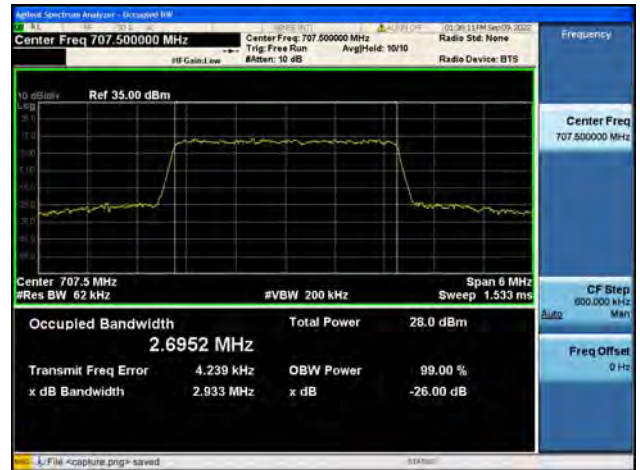
Band12 / 3MHz / 16QAM/ Low CH



Band12 / 3MHz / QPSK/ Mid CH



Band12 / 3MHz / 16QAM/ Mid CH



Band12 / 3MHz / QPSK/ High CH

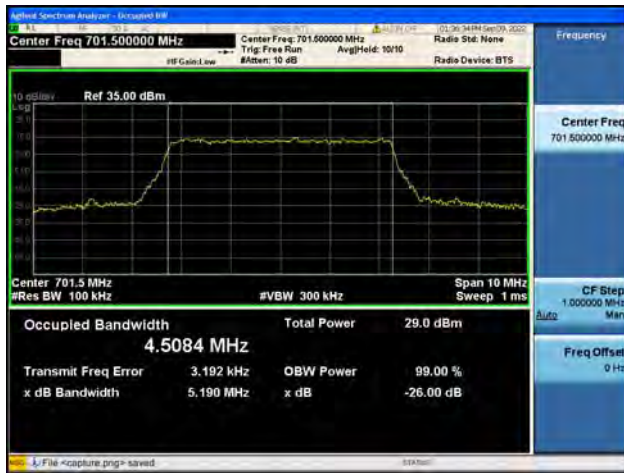


Band12 / 3MHz / 16QAM/ High CH





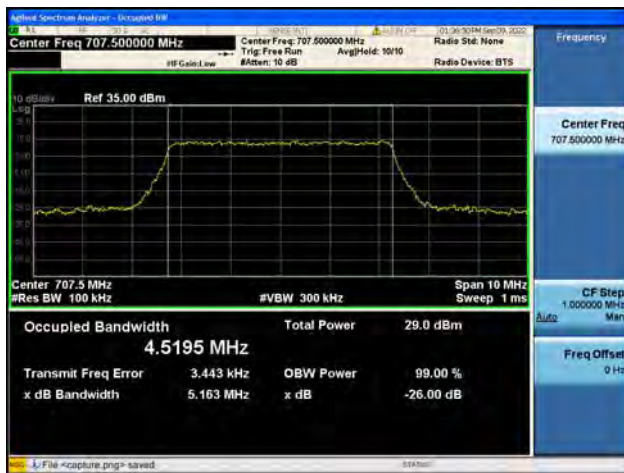
Band12 / 5MHz / QPSK/ Low CH



Band12 / 5MHz / 16QAM/ Low CH



Band12 / 5MHz / QPSK/ Mid CH



Band12 / 5MHz / 16QAM/ Mid CH



Band12 / 5MHz / QPSK/ High CH



Band12 / 5MHz / 16QAM/ High CH



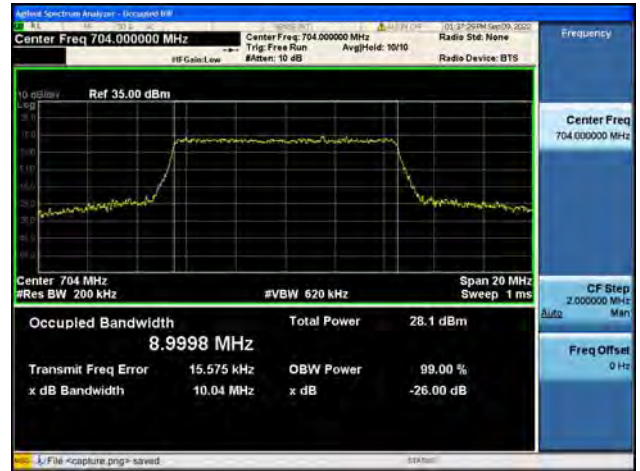




Band12 / 10MHz / QPSK/ Low CH



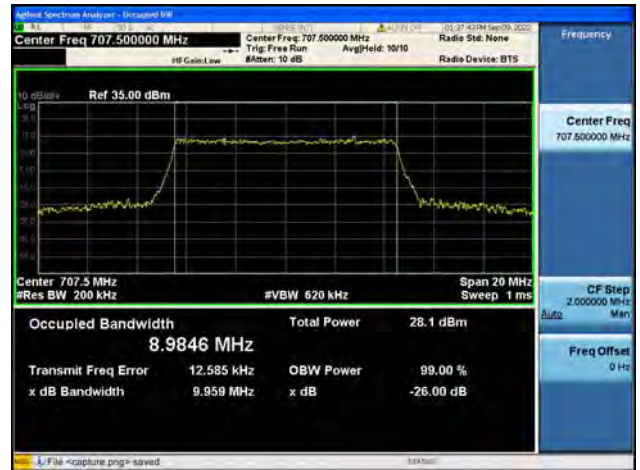
Band12 / 10MHz / 16QAM/ Low CH



Band12 / 10MHz / QPSK/ Mid CH



Band12 / 10MHz / 16QAM/ Mid CH



Band12 / 10MHz / QPSK/ High CH

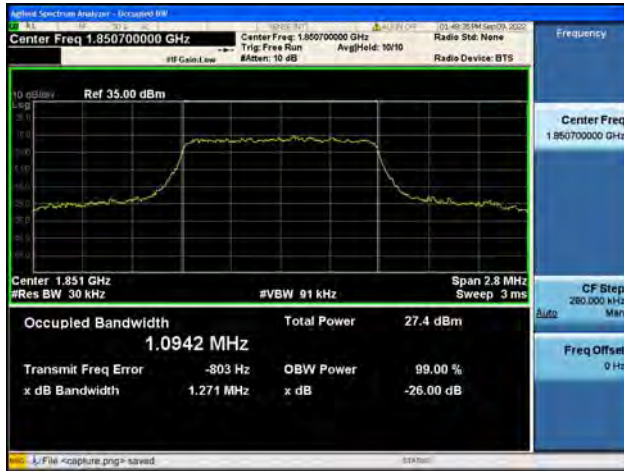


Band12 / 10MHz / 16QAM/ High CH





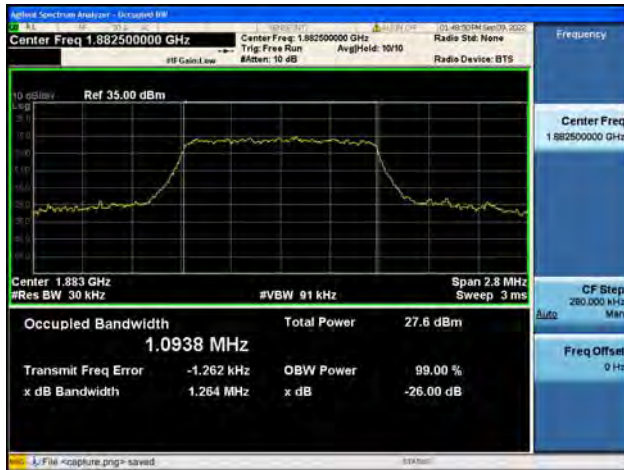
Band25 / 1.4MHz / QPSK/ Low CH



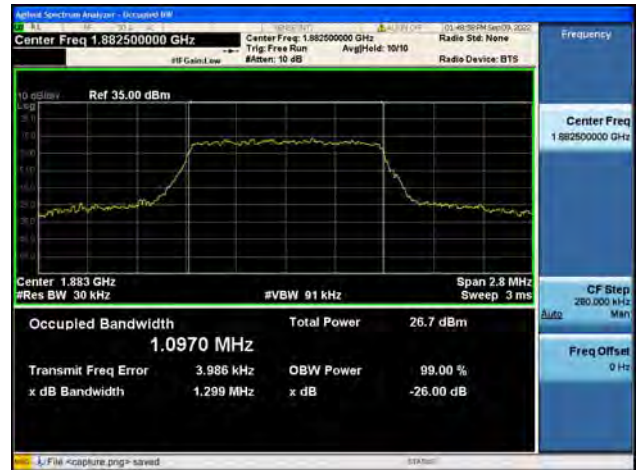
Band25 / 1.4MHz / 16QAM/ Low CH



Band25 / 1.4MHz / QPSK/ Mid CH



Band25 / 1.4MHz / 16QAM/ Mid CH



Band25 / 1.4MHz / QPSK/ High CH



Band25 / 1.4MHz / 16QAM/ High CH







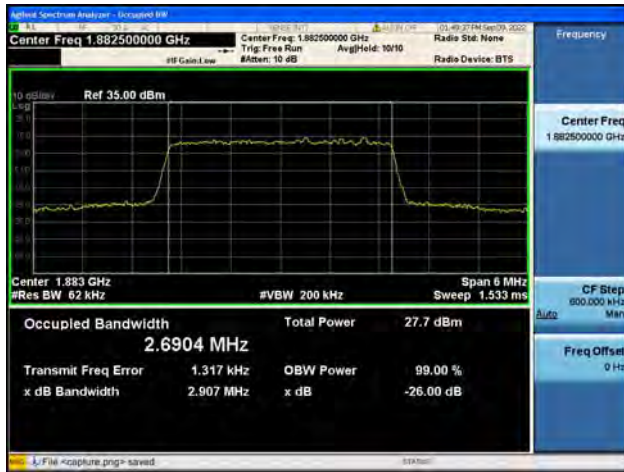
Band25 / 3MHz / QPSK/ Low CH



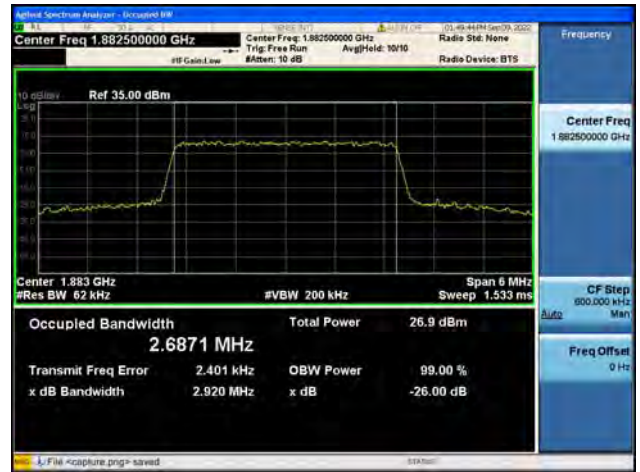
Band25 / 3MHz / 16QAM/ Low CH



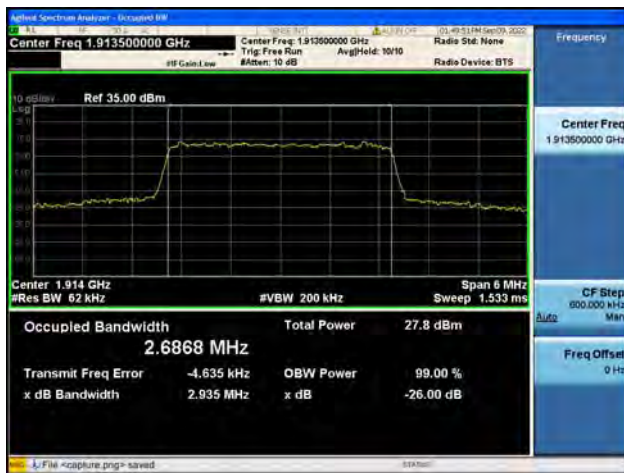
Band25 / 3MHz / QPSK/ Mid CH



Band25 / 3MHz / 16QAM/ Mid CH



Band25 / 3MHz / QPSK/ High CH

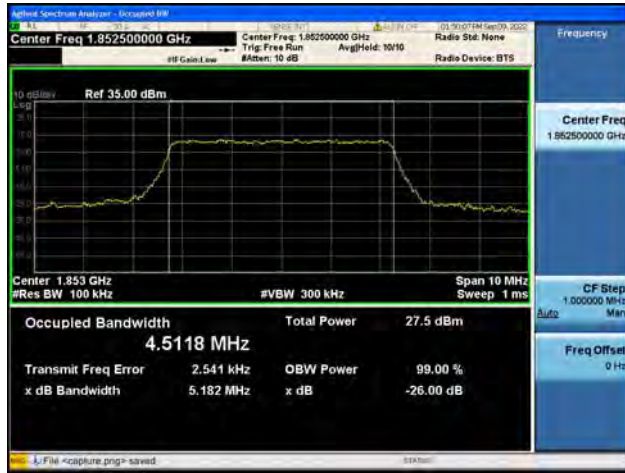


Band25 / 3MHz / 16QAM/ High CH

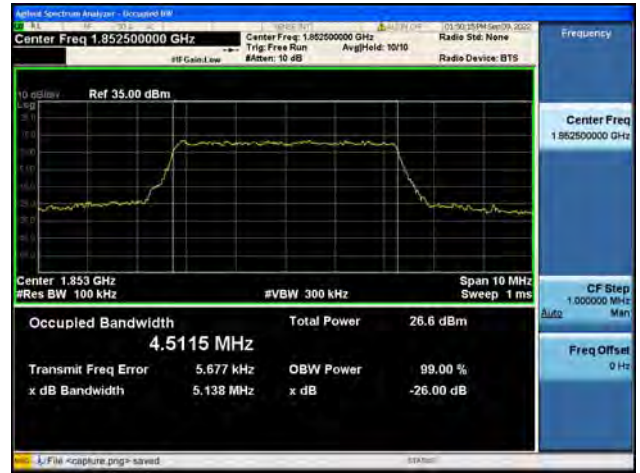




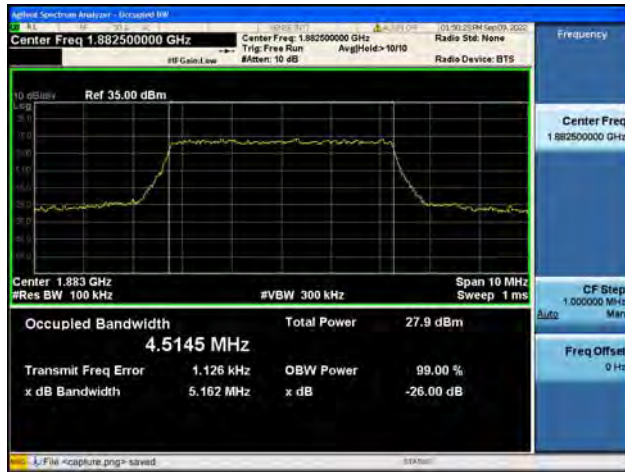
Band25 / 5MHz / QPSK/ Low CH



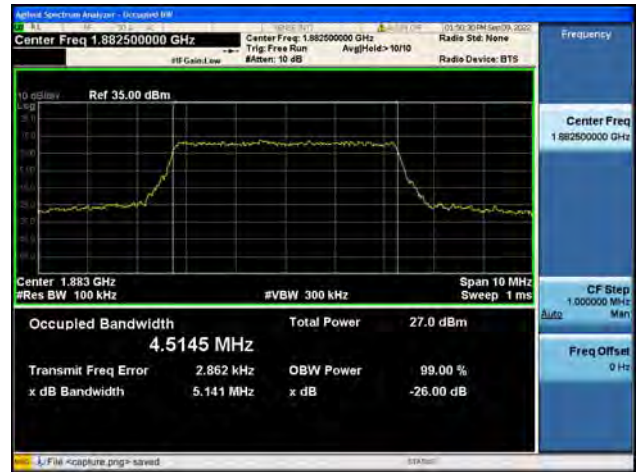
Band25 / 5MHz / 16QAM/ Low CH



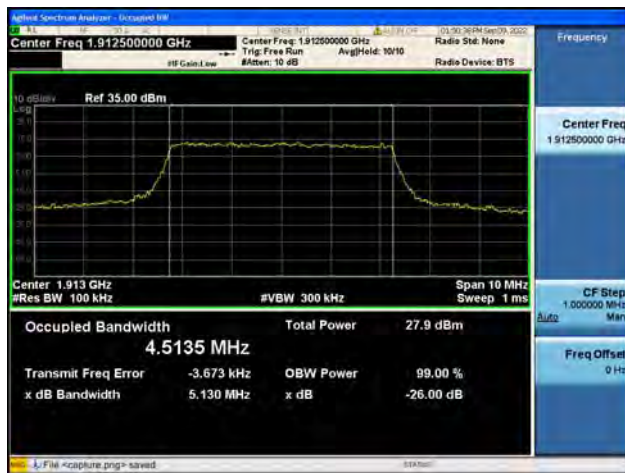
Band25 / 5MHz / QPSK/ Mid CH



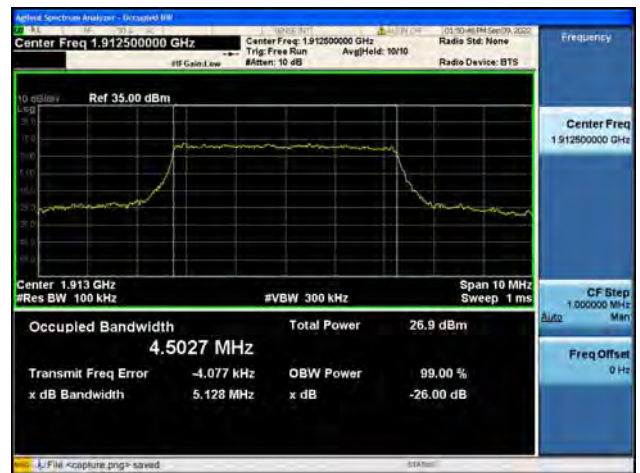
Band25 / 5MHz / 16QAM/ Mid CH



Band25 / 5MHz / QPSK/ High CH



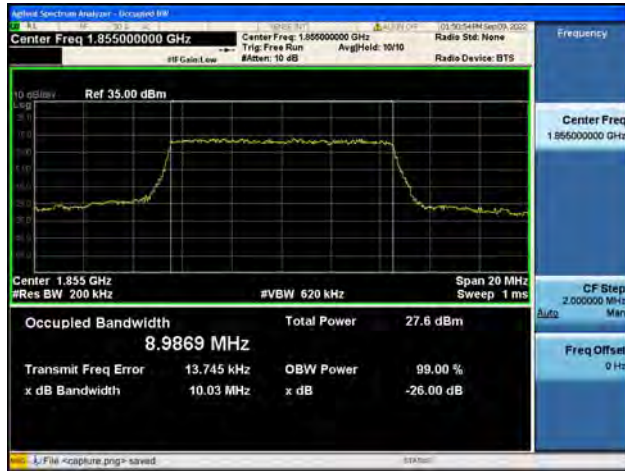
Band25 / 5MHz / 16QAM/ High CH



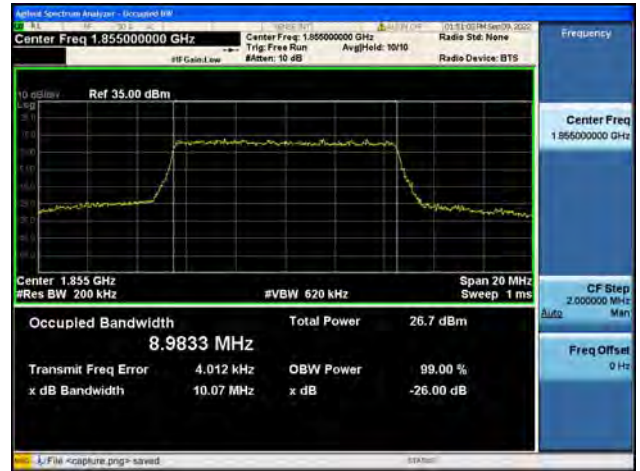




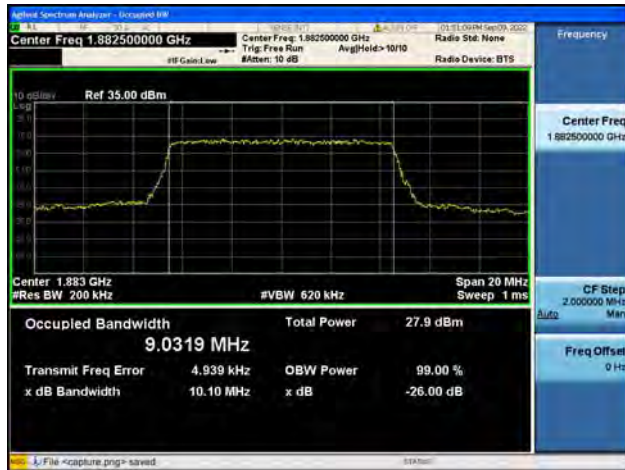
Band25 / 10MHz / QPSK/ Low CH



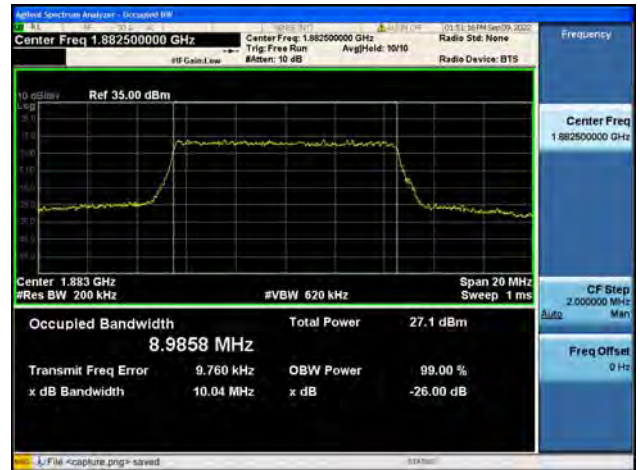
Band25 / 10MHz / 16QAM/ Low CH



Band25 / 10MHz / QPSK/ Mid CH



Band25 / 10MHz / 16QAM/ Mid CH



Band25 / 10MHz / QPSK/ High CH

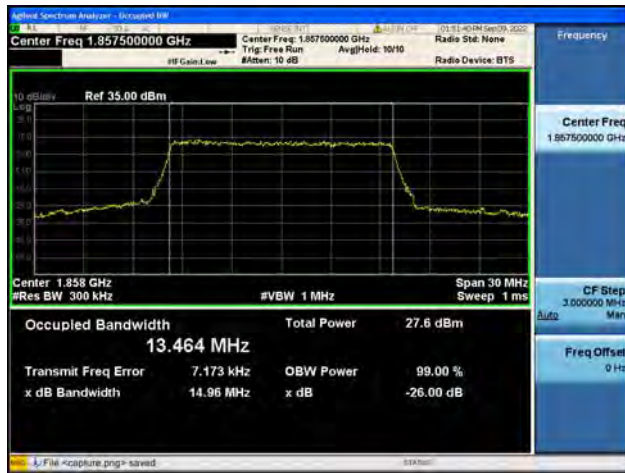


Band25 / 10MHz / 16QAM/ High CH





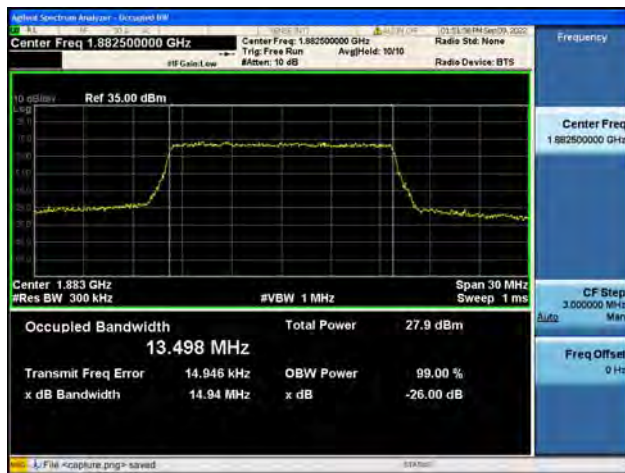
Band25 / 15MHz / QPSK/ Low CH



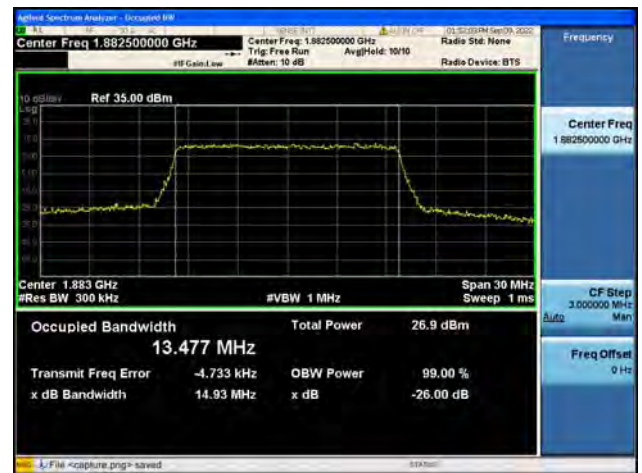
Band25 / 15MHz / 16QAM/ Low CH



Band25 / 15MHz / QPSK/ Mid CH



Band25 / 15MHz / 16QAM/ Mid CH



Band25 / 15MHz / QPSK/ High CH



Band25 / 15MHz / 16QAM/ High CH







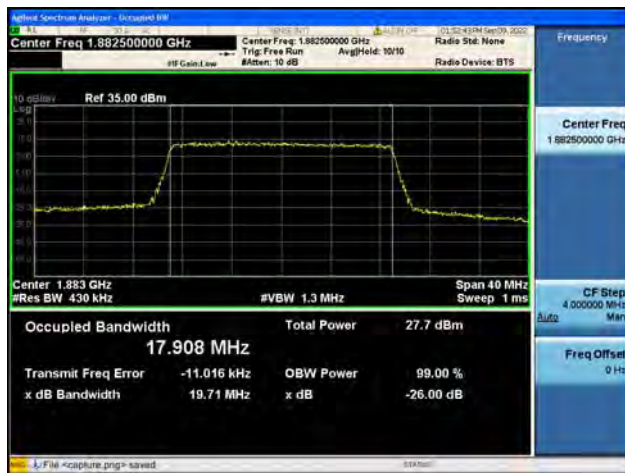
Band25 / 20MHz / QPSK/ Low CH



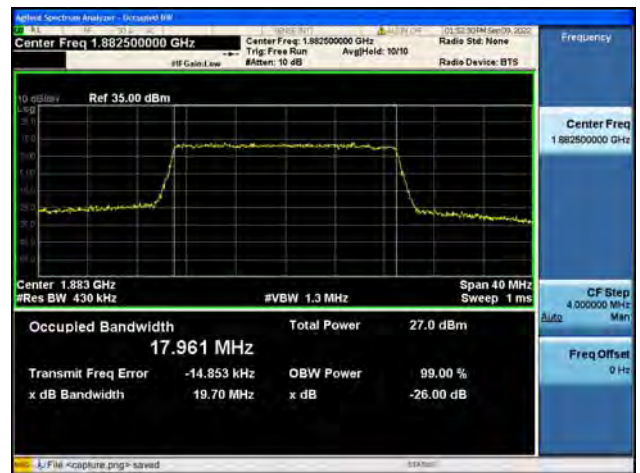
Band25 / 20MHz / 16QAM/ Low CH



Band25 / 20MHz / QPSK/ Mid CH



Band25 / 20MHz / 16QAM/ Mid CH



Band25 / 20MHz / QPSK/ High CH



Band25 / 20MHz / 16QAM/ High CH

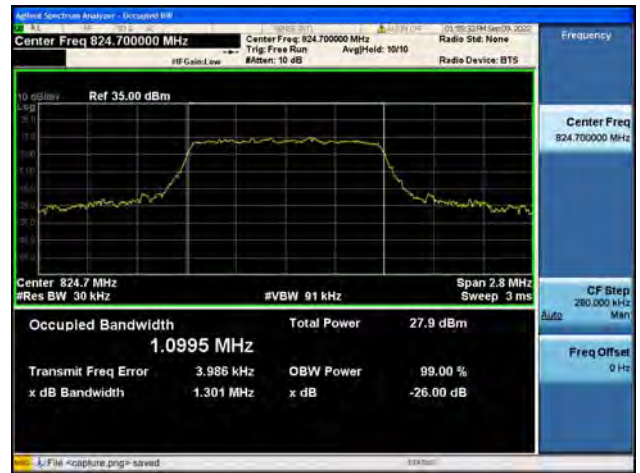




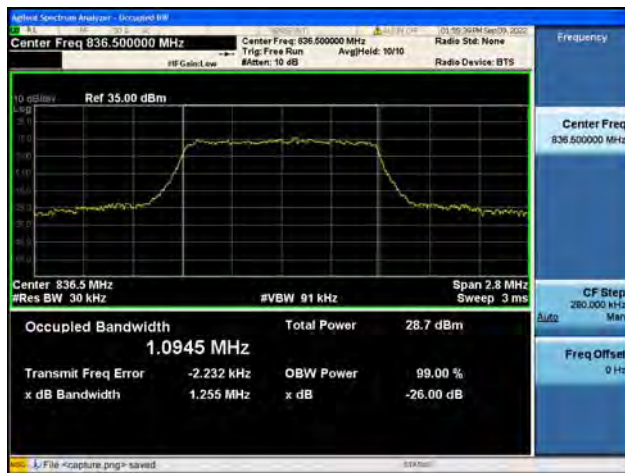
Band26Part22 / 1.4MHz / QPSK/ Low CH



Band26Part22 / 1.4MHz / 16QAM/ Low CH



Band26Part22 / 1.4MHz / QPSK/ Mid CH



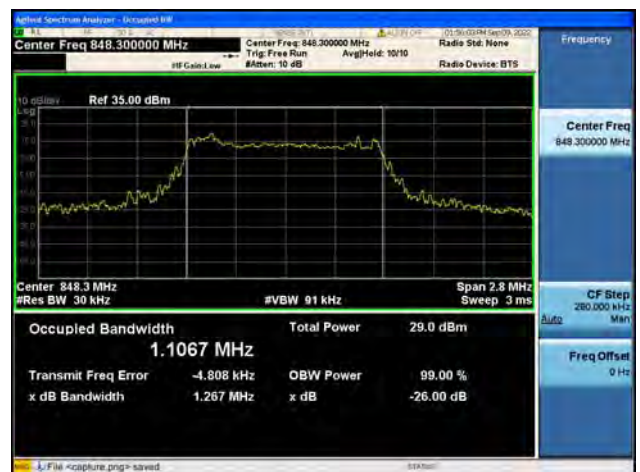
Band26Part22 / 1.4MHz / 16QAM/ Mid CH



Band26Part22 / 1.4MHz / QPSK/ High CH



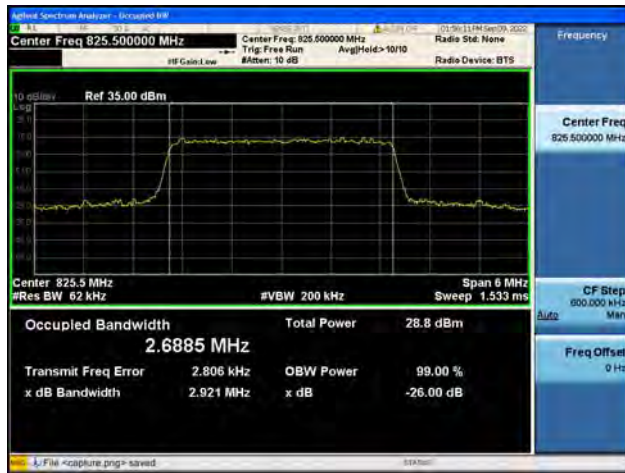
Band26Part22 / 1.4MHz / 16QAM/ High CH



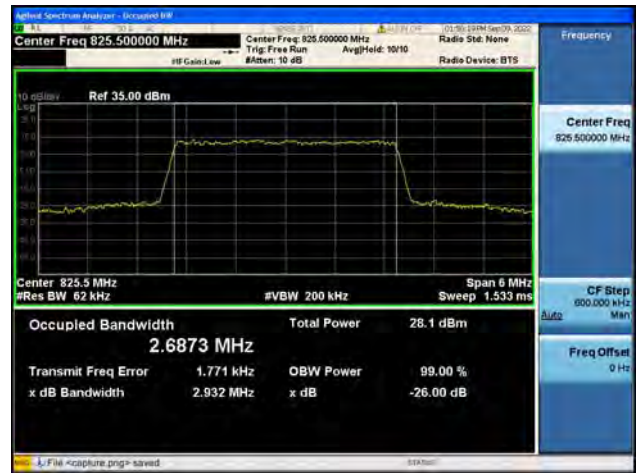




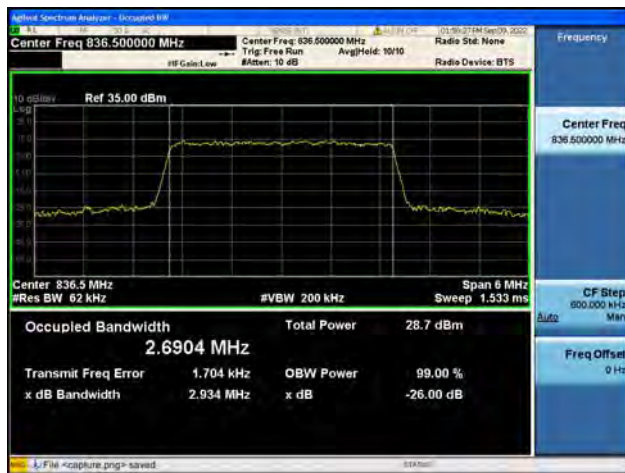
Band26Part22 / 3MHz / QPSK/ Low CH



Band26Part22 / 3MHz / 16QAM/ Low CH



Band26Part22 / 3MHz / QPSK/ Mid CH



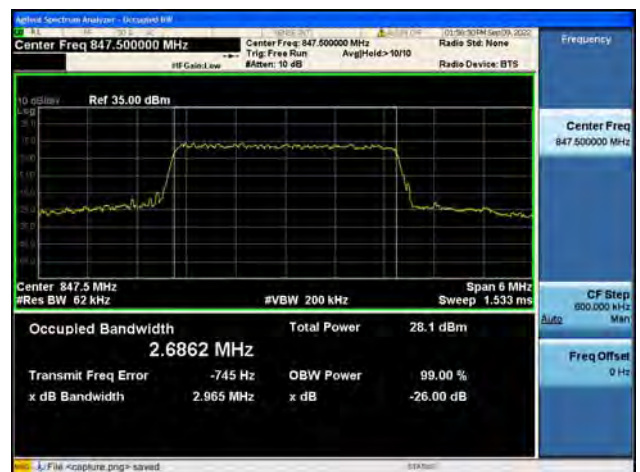
Band26Part22 / 3MHz / 16QAM/ Mid CH



Band26Part22 / 3MHz / QPSK/ High CH

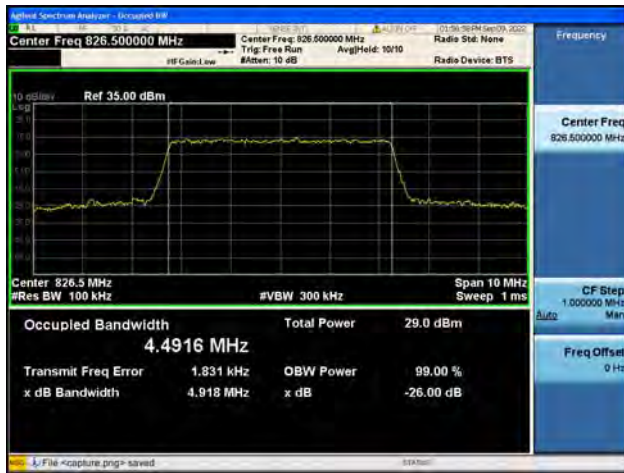


Band26Part22 / 3MHz / 16QAM/ High CH

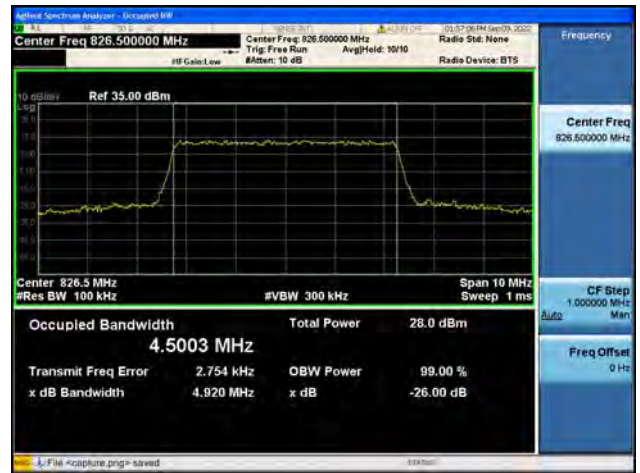




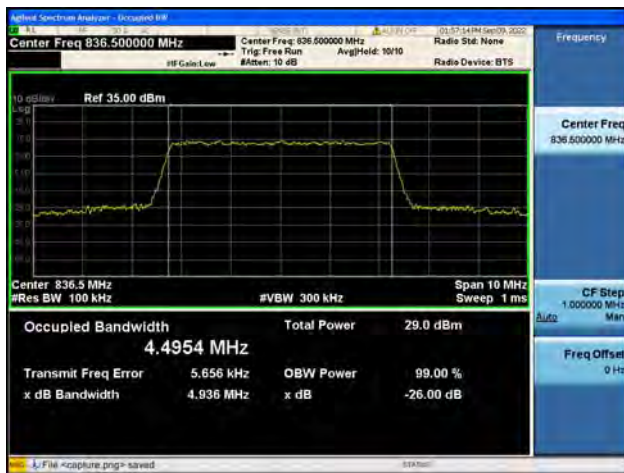
Band26Part22 / 5MHz / QPSK/ Low CH



Band26Part22 / 5MHz / 16QAM/ Low CH



Band26Part22 / 5MHz / QPSK/ Mid CH



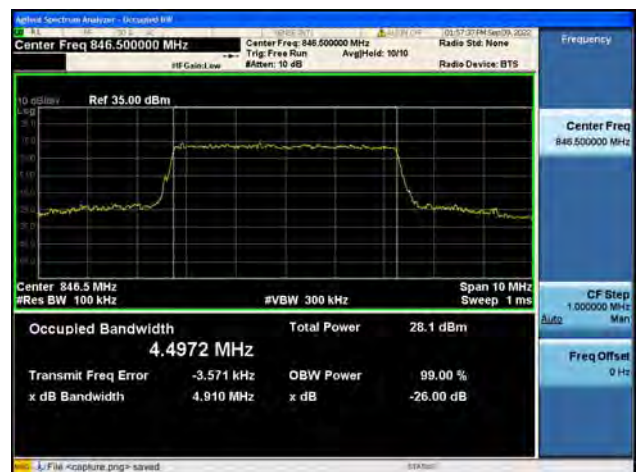
Band26Part22 / 5MHz / 16QAM/ Mid CH



Band26Part22 / 5MHz / QPSK/ High CH



Band26Part22 / 5MHz / 16QAM/ High CH



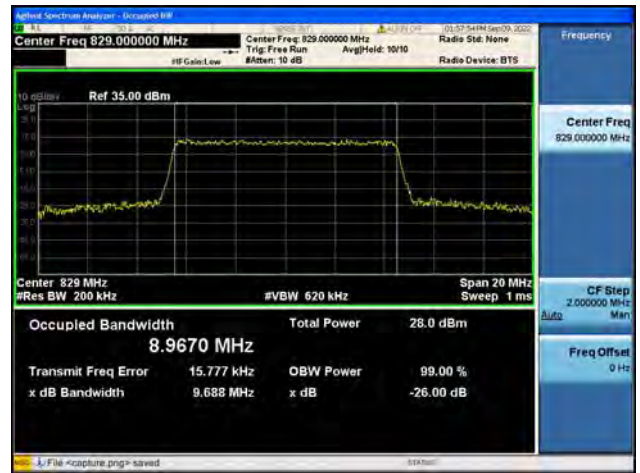




Band26Part22 / 10MHz / QPSK/ Low CH



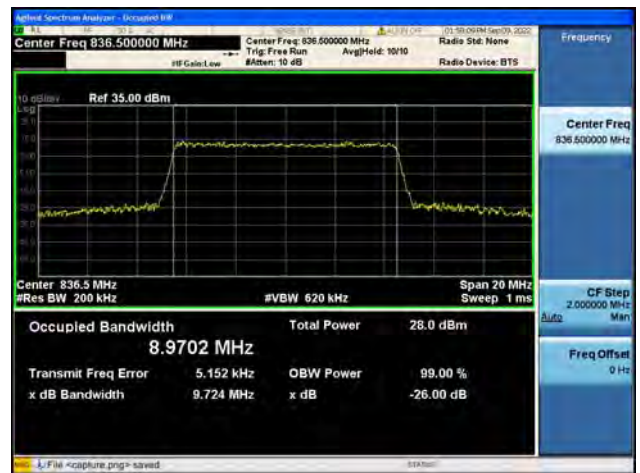
Band26Part22 / 10MHz / 16QAM/ Low CH



Band26Part22 / 10MHz / QPSK/ Mid CH



Band26Part22 / 10MHz / 16QAM/ Mid CH



Band26Part22 / 10MHz / QPSK/ High CH

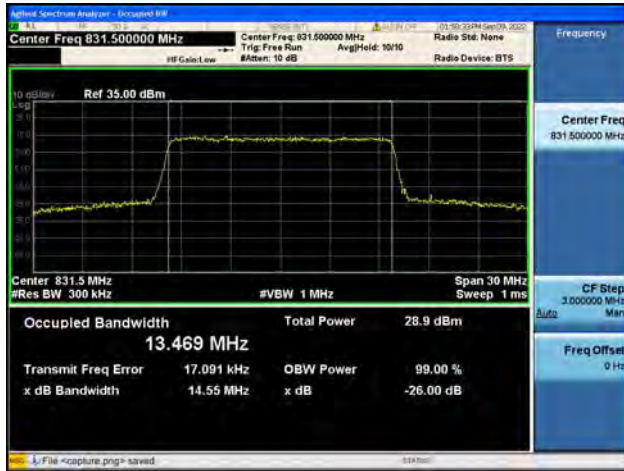


Band26Part22 / 10MHz / 16QAM/ High CH

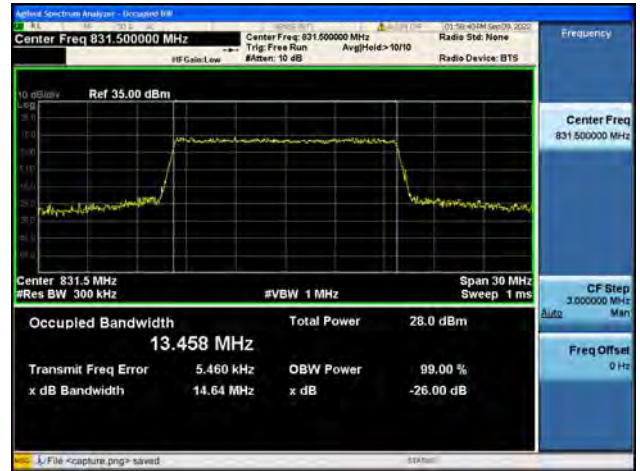




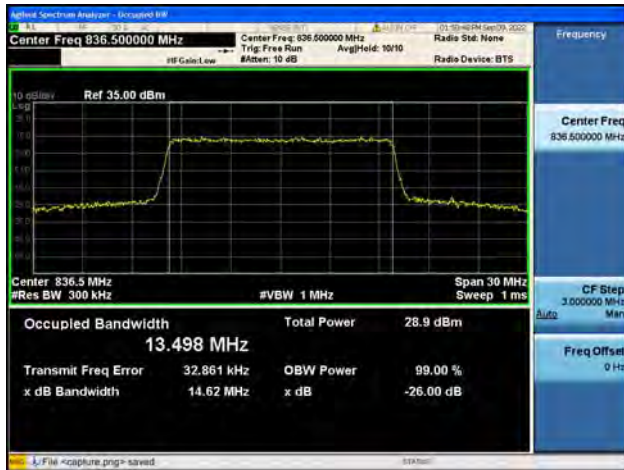
Band26Part22 / 15MHz / QPSK/ Low CH



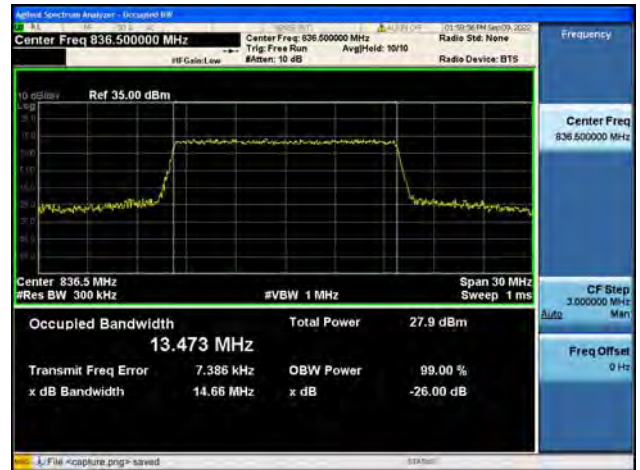
Band26Part22 / 15MHz / 16QAM/ Low CH



Band26Part22 / 15MHz / QPSK/ Mid CH



Band26Part22 / 15MHz / 16QAM/ Mid CH



Band26Part22 / 15MHz / QPSK/ High CH



Band26Part22 / 15MHz / 16QAM/ High CH



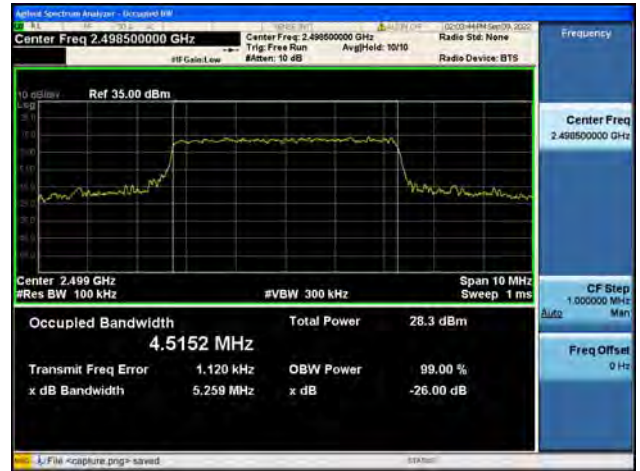




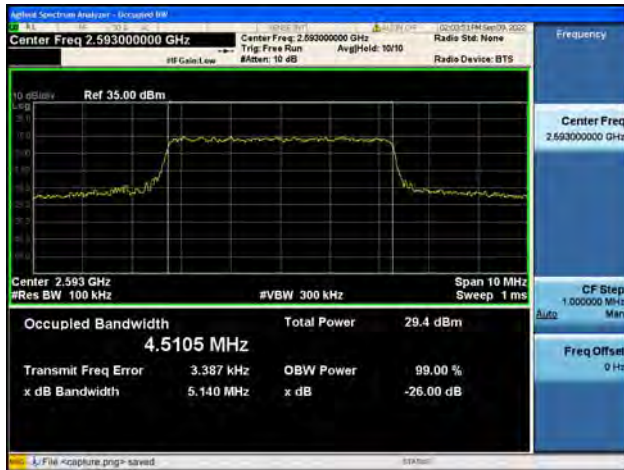
Band41 / 5MHz / QPSK/ Low CH



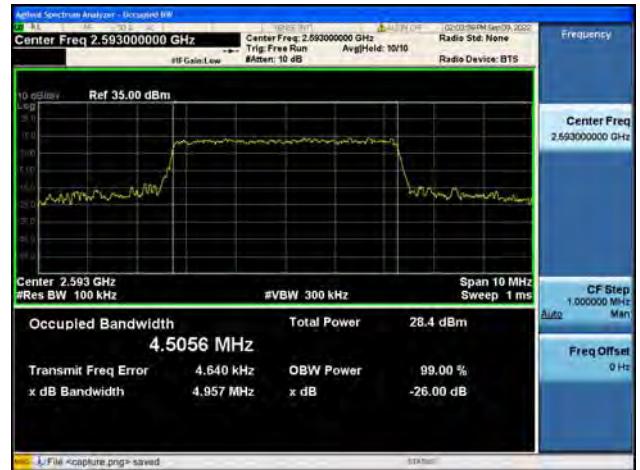
Band41 / 5MHz / 16QAM/ Low CH



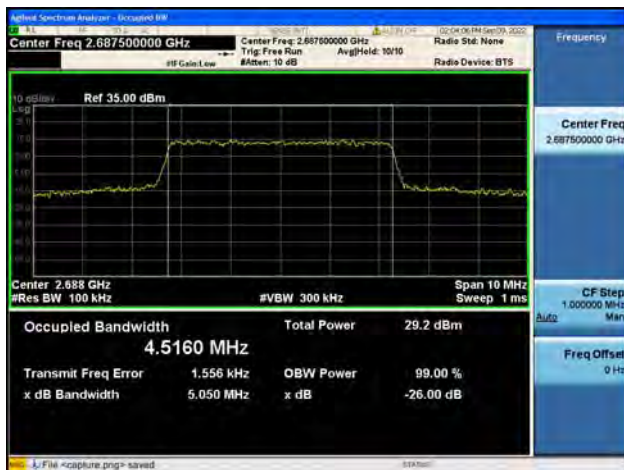
Band41 / 5MHz / QPSK/ Mid CH



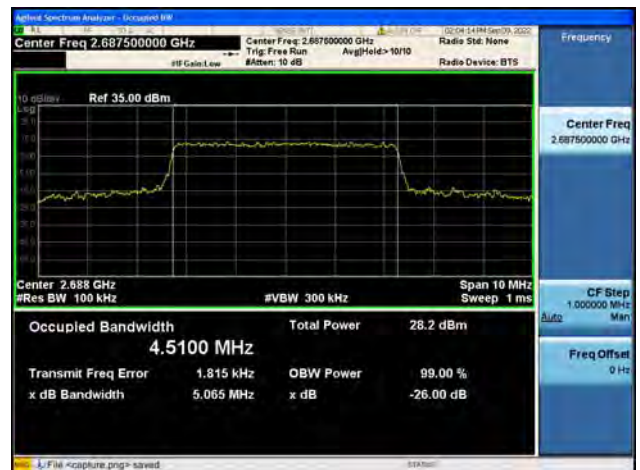
Band41 / 5MHz / 16QAM/ Mid CH



Band41 / 5MHz / QPSK/ High CH

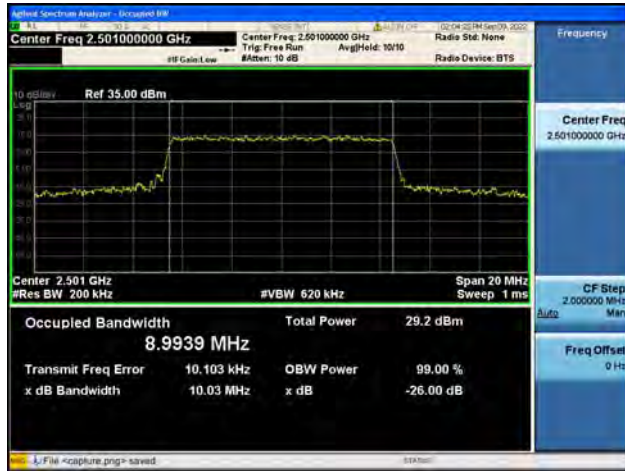


Band41 / 5MHz / 16QAM/ High CH

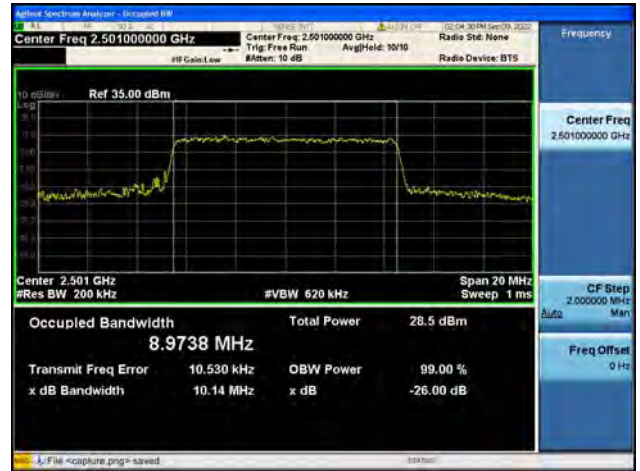




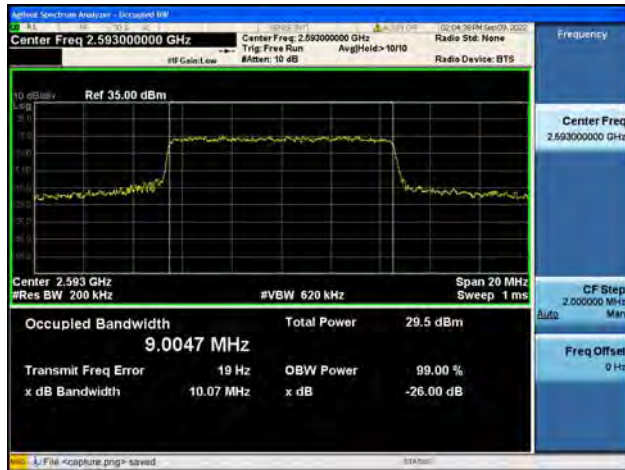
Band41 / 10MHz / QPSK/ Low CH



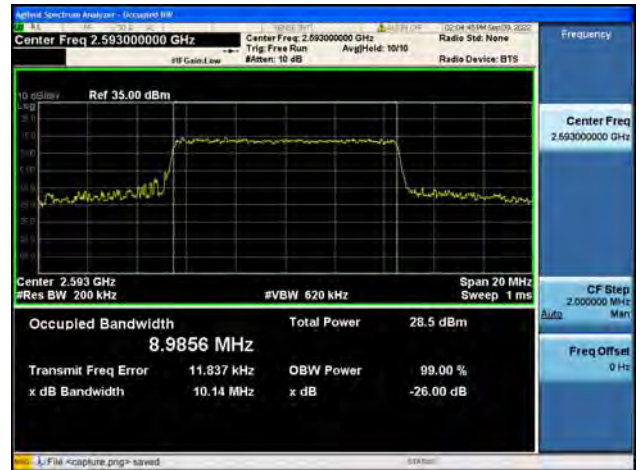
Band41 / 10MHz / 16QAM/ Low CH



Band41 / 10MHz / QPSK/ Mid CH



Band41 / 10MHz / 16QAM/ Mid CH



Band41 / 10MHz / QPSK/ High CH



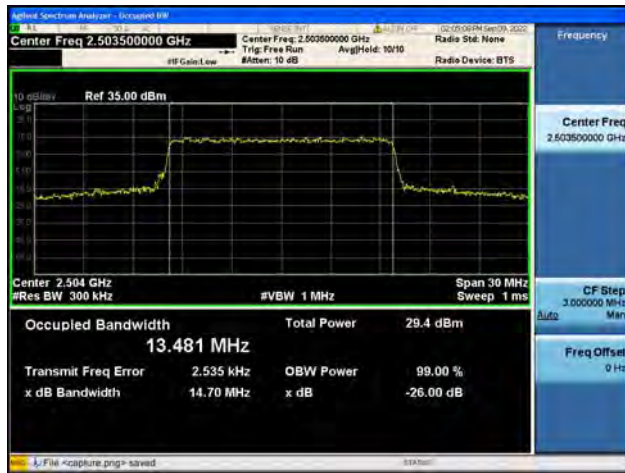
Band41 / 10MHz / 16QAM/ High CH



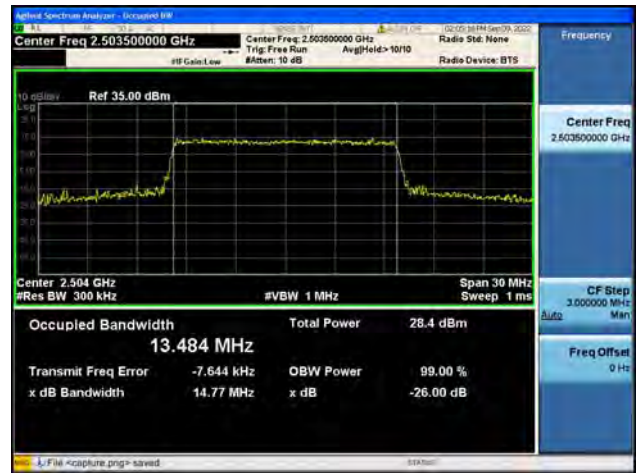




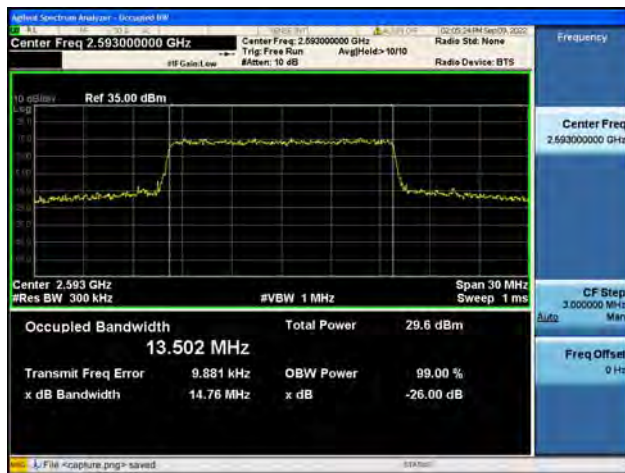
Band41 / 15MHz / QPSK/ Low CH



Band41 / 15MHz / 16QAM/ Low CH



Band41 / 15MHz / QPSK/ Mid CH



Band41 / 15MHz / 16QAM/ Mid CH



Band41 / 15MHz / QPSK/ High CH

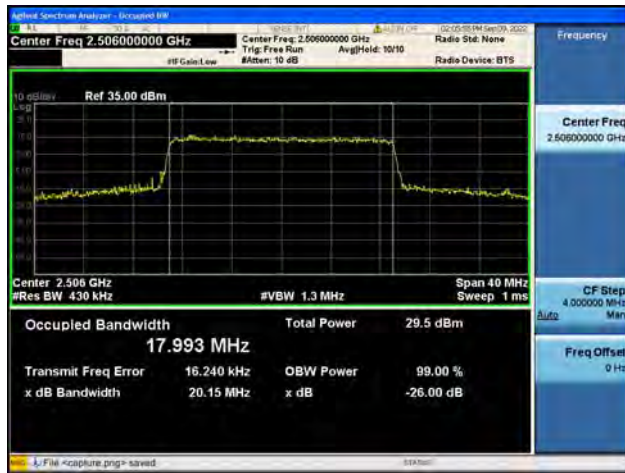


Band41 / 15MHz / 16QAM/ High CH

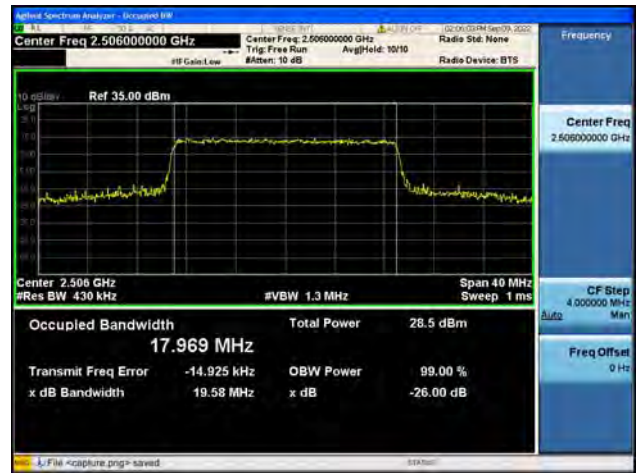




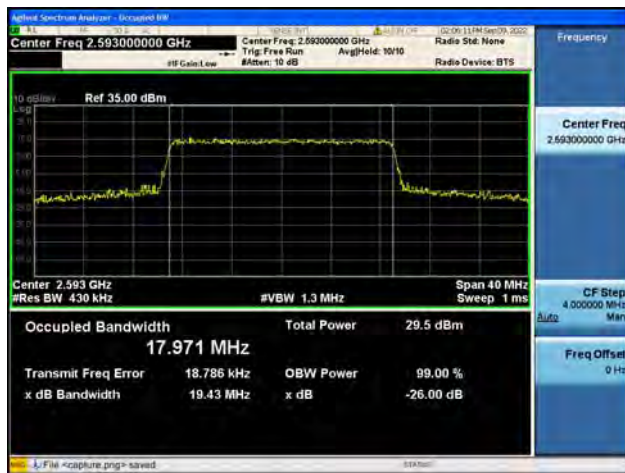
Band41 / 20MHz / QPSK/ Low CH



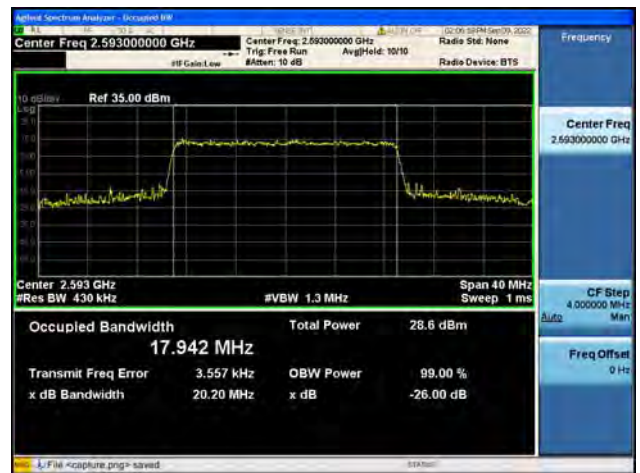
Band41 / 20MHz / 16QAM/ Low CH



Band41 / 20MHz / QPSK/ Mid CH



Band41 / 20MHz / 16QAM/ Mid CH



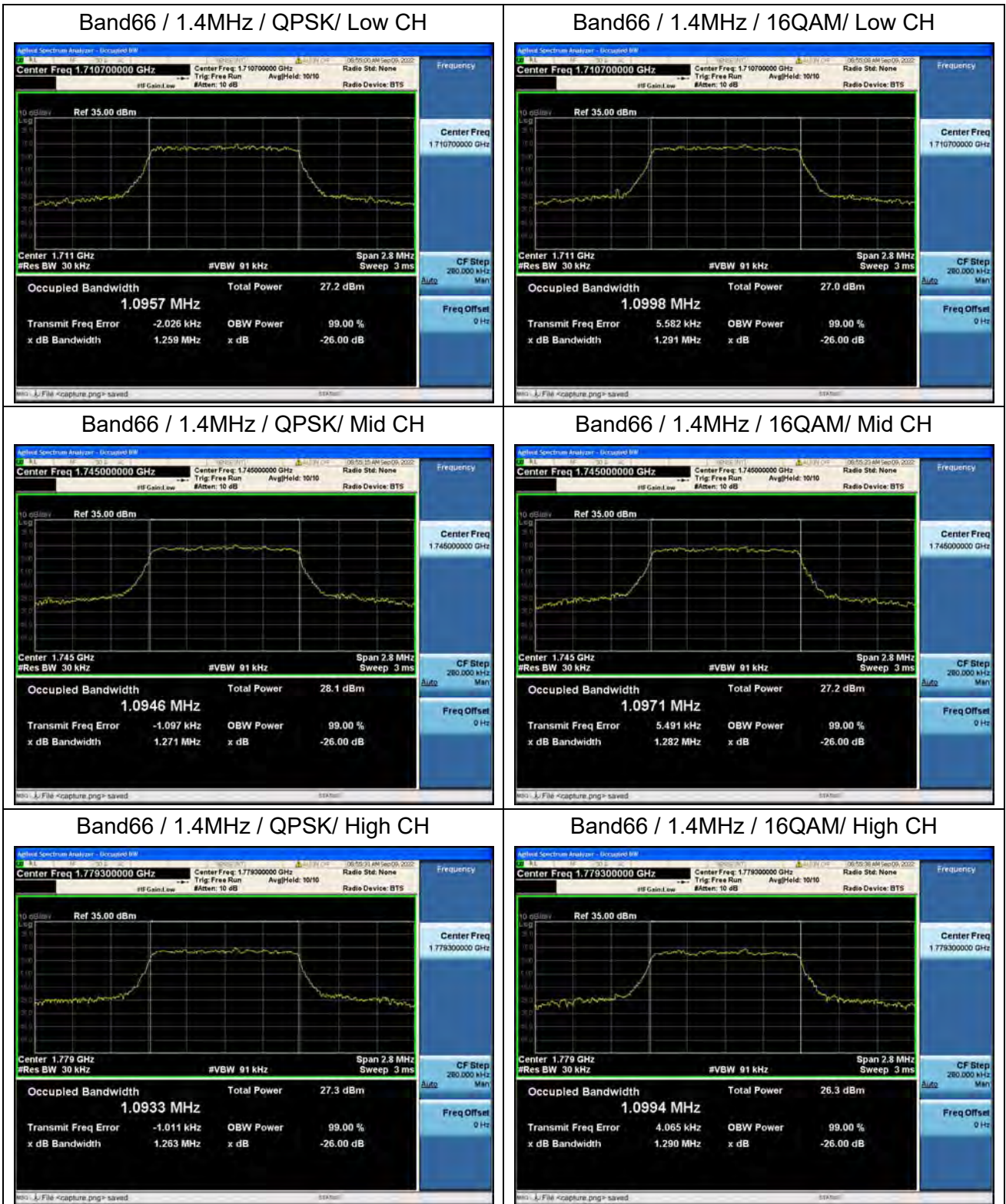
Band41 / 20MHz / QPSK/ High CH



Band41 / 20MHz / 16QAM/ High CH

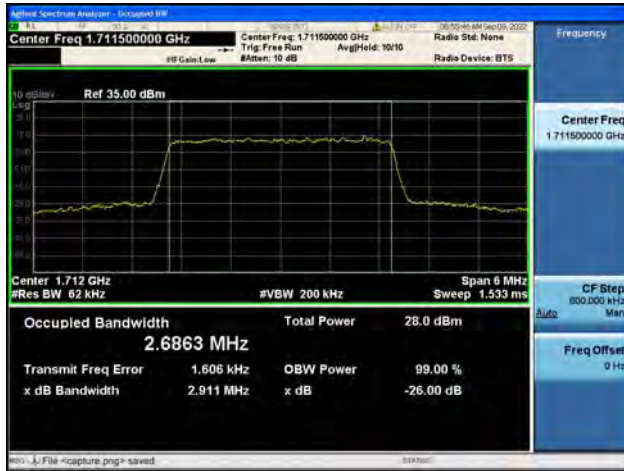




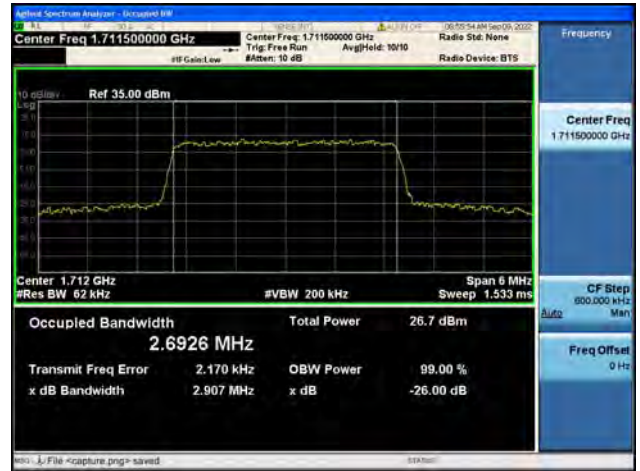




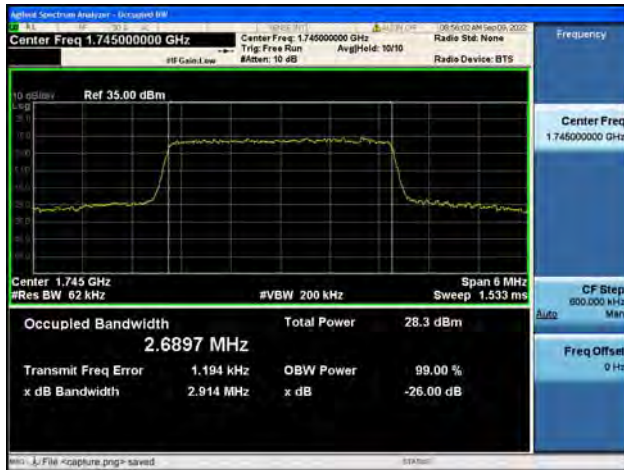
Band66 / 3MHz / QPSK/ Low CH



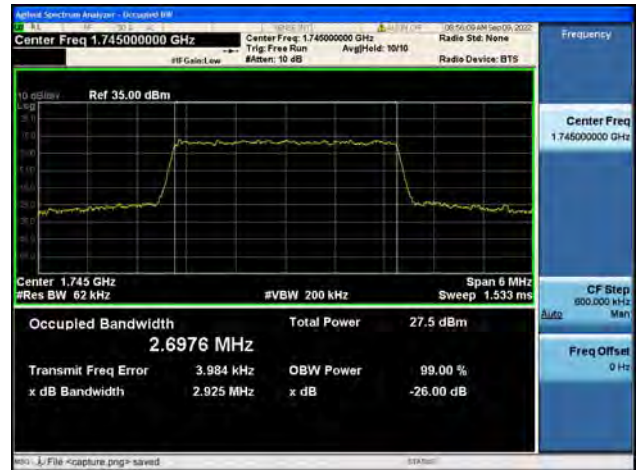
Band66 / 3MHz / 16QAM/ Low CH



Band66 / 3MHz / QPSK/ Mid CH



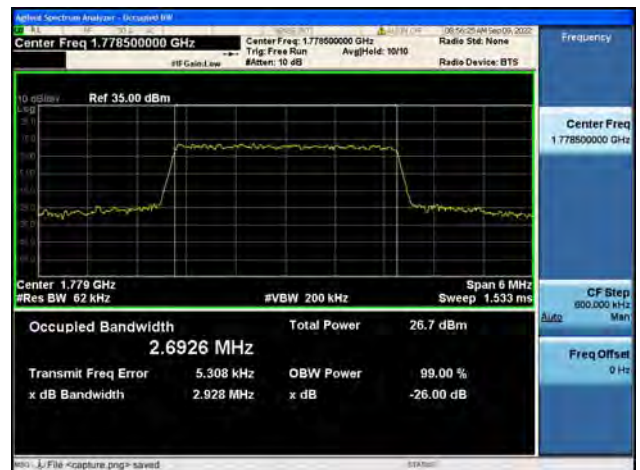
Band66 / 3MHz / 16QAM/ Mid CH



Band66 / 3MHz / QPSK/ High CH



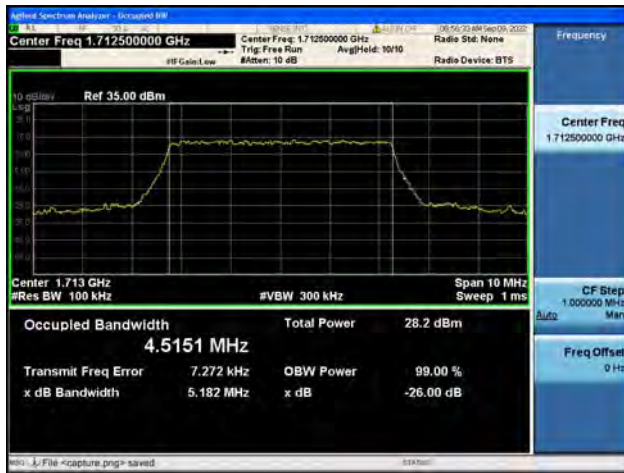
Band66 / 3MHz / 16QAM/ High CH



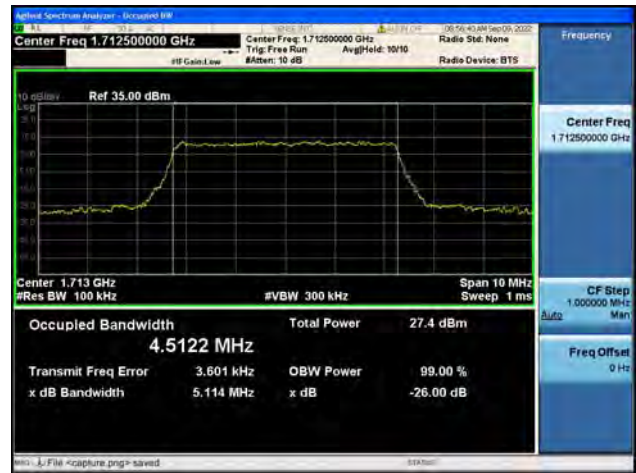




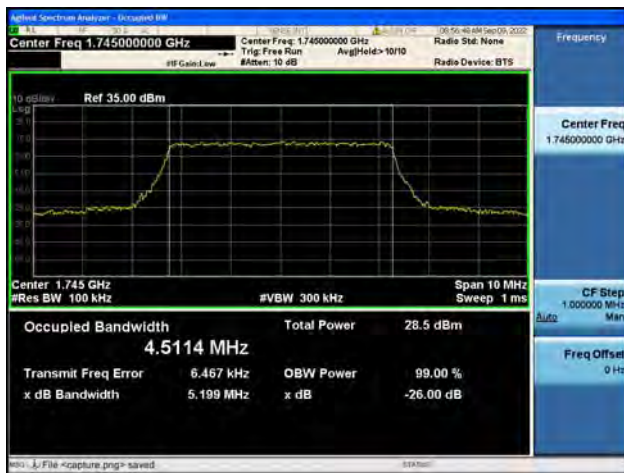
Band66 / 5MHz / QPSK/ Low CH



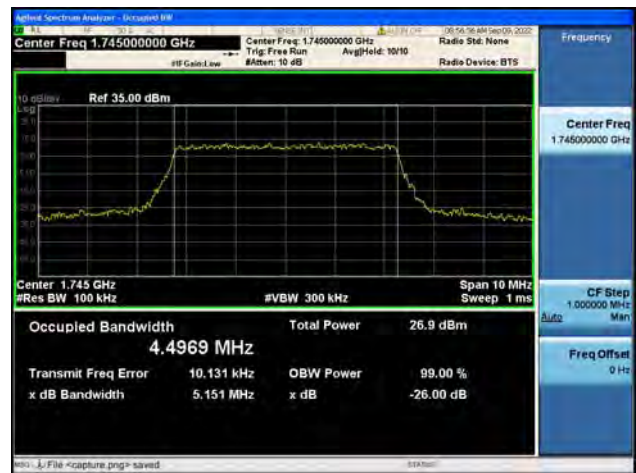
Band66 / 5MHz / 16QAM/ Low CH



Band66 / 5MHz / QPSK/ Mid CH



Band66 / 5MHz / 16QAM/ Mid CH

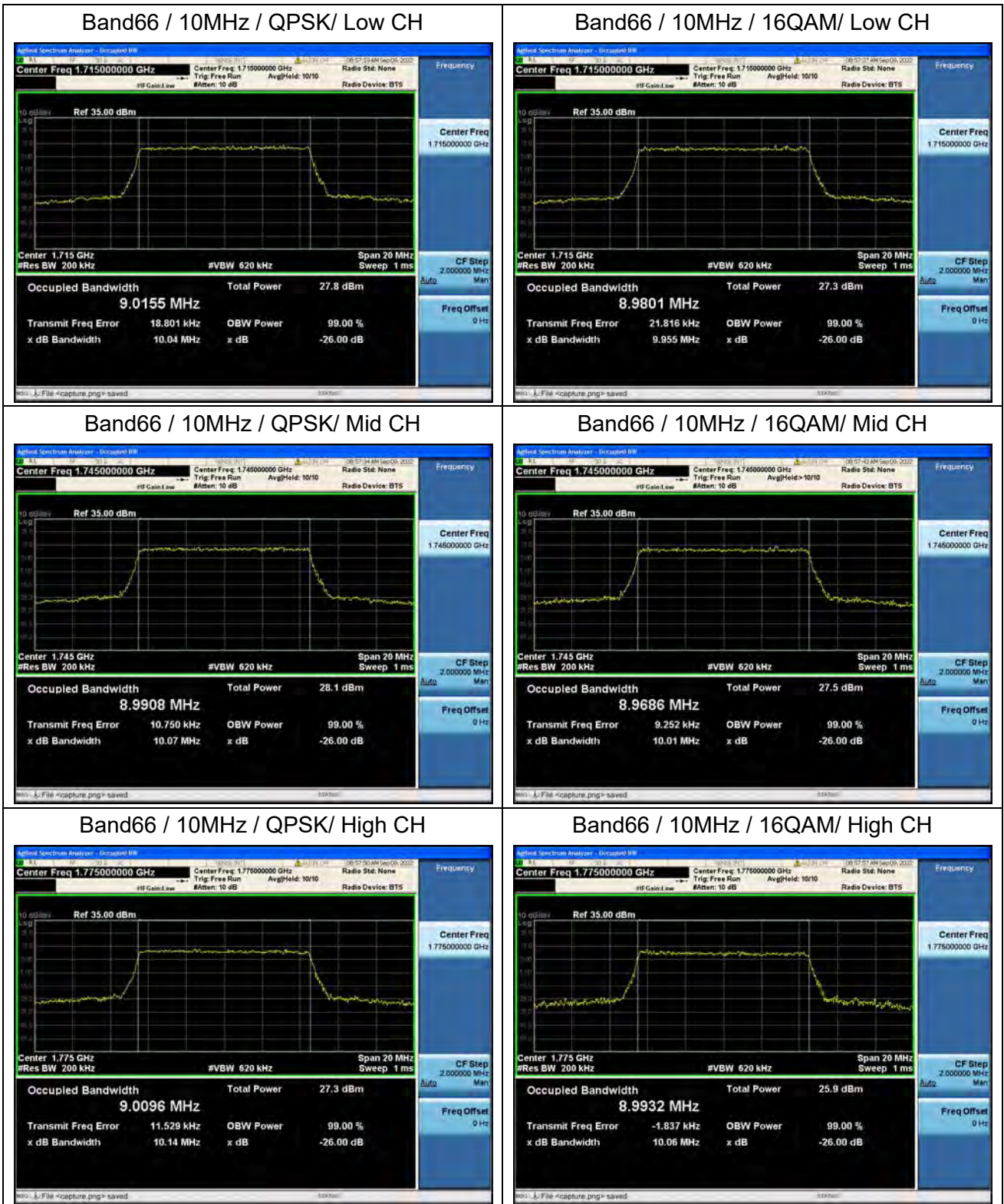


Band66 / 5MHz / QPSK/ High CH



Band66 / 5MHz / 16QAM/ High CH





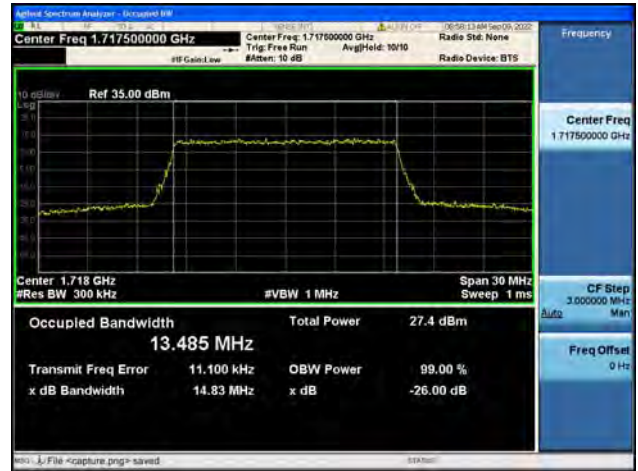




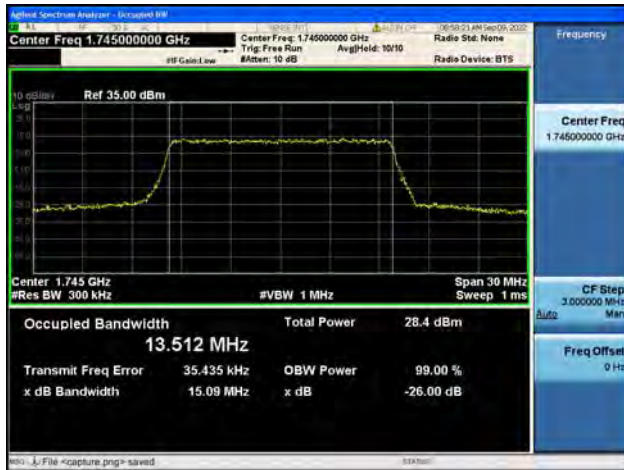
Band66 / 15MHz / QPSK/ Low CH



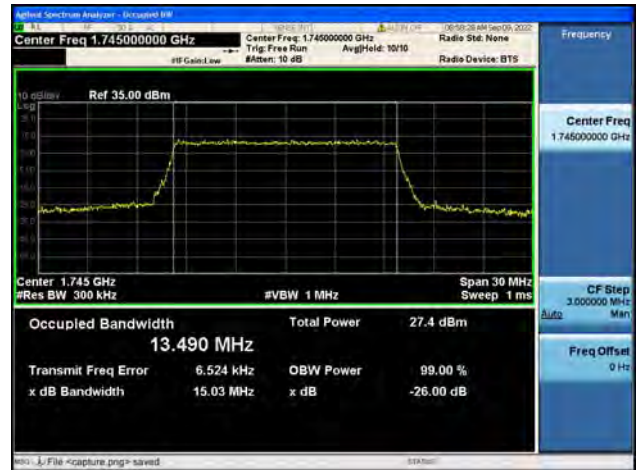
Band66 / 15MHz / 16QAM/ Low CH



Band66 / 15MHz / QPSK/ Mid CH



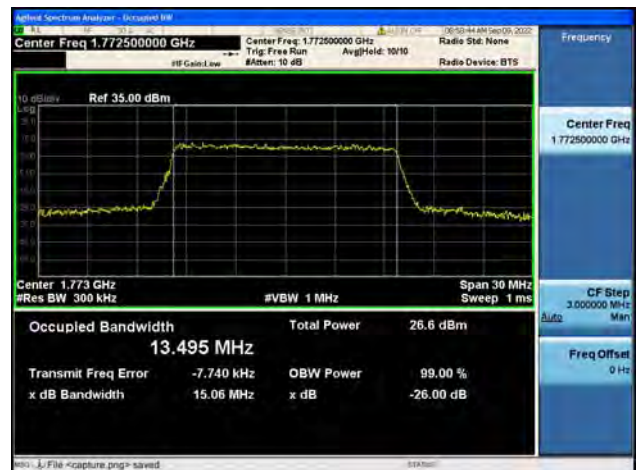
Band66 / 15MHz / 16QAM/ Mid CH



Band66 / 15MHz / QPSK/ High CH

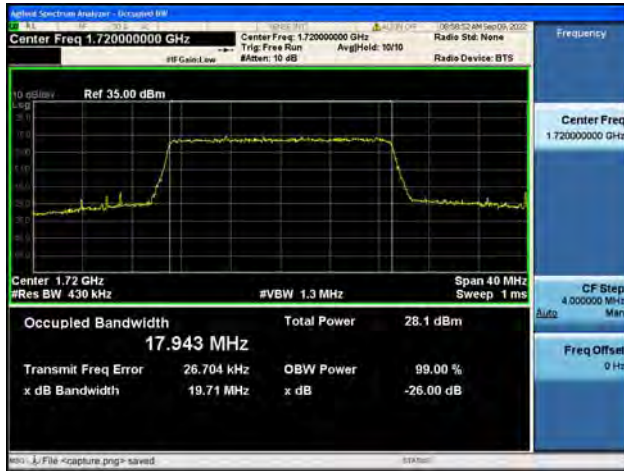


Band66 / 15MHz / 16QAM/ High CH

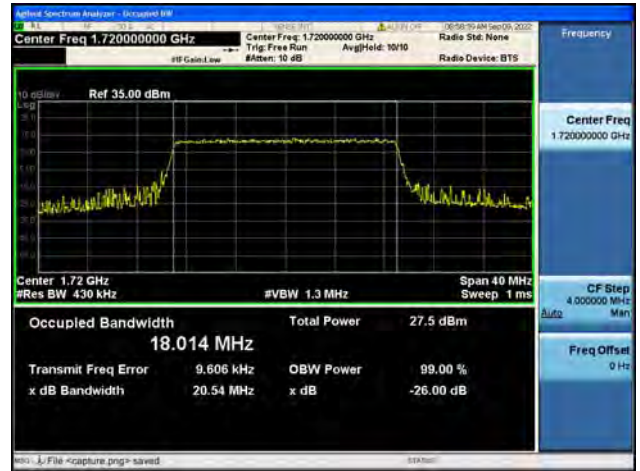




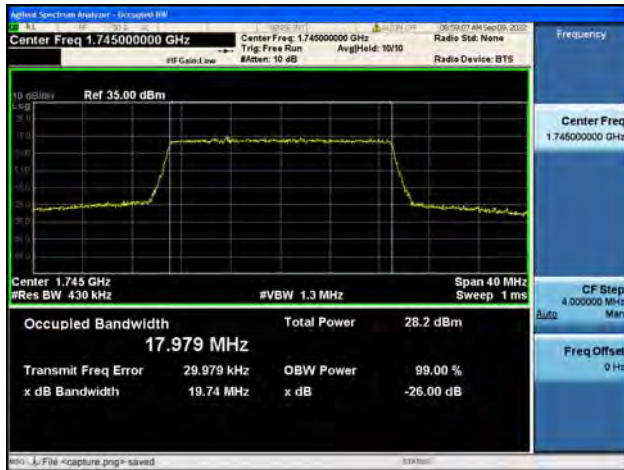
Band66 / 20MHz / QPSK/ Low CH



Band66 / 20MHz / 16QAM/ Low CH



Band66 / 20MHz / QPSK/ Mid CH



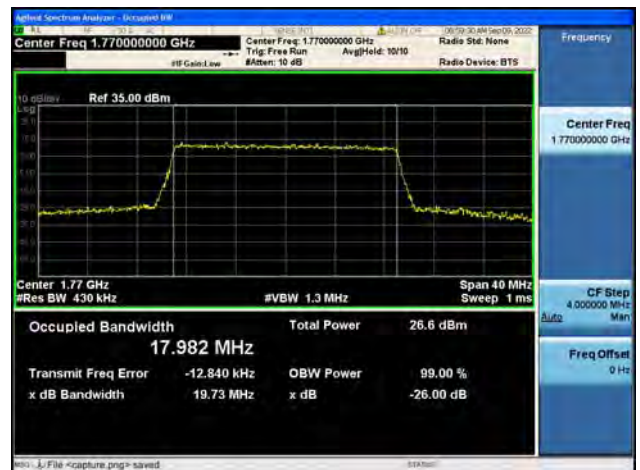
Band66 / 20MHz / 16QAM/ Mid CH



Band66 / 20MHz / QPSK/ High CH



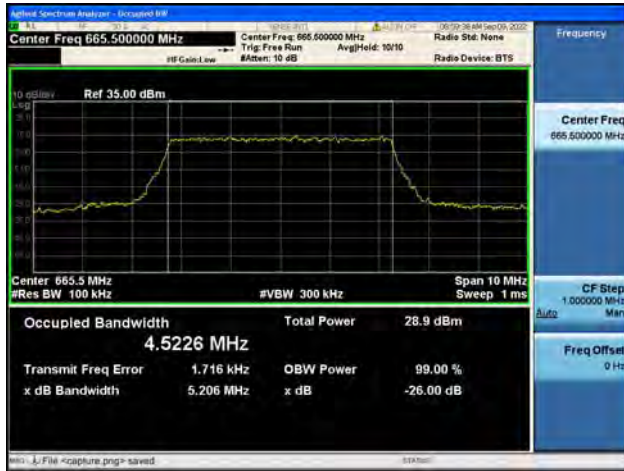
Band66 / 20MHz / 16QAM/ High CH



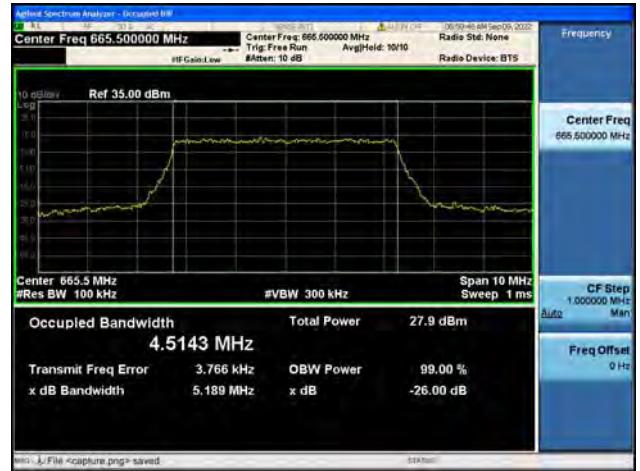




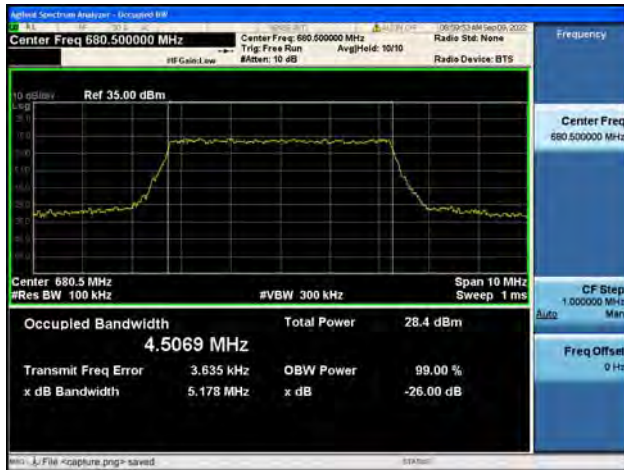
Band71 / 5MHz / QPSK/ Low CH



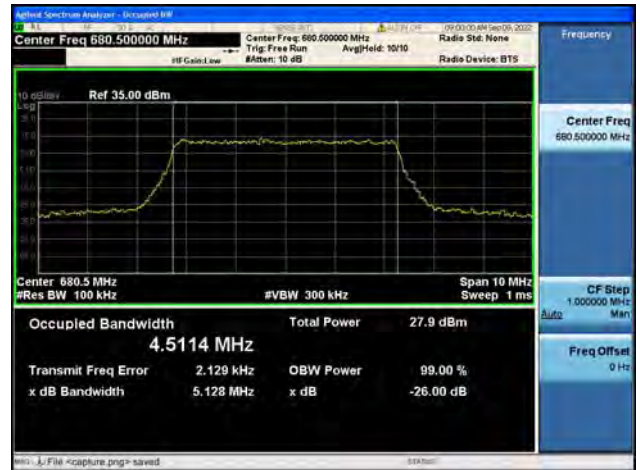
Band71 / 5MHz / 16QAM/ Low CH



Band71 / 5MHz / QPSK/ Mid CH



Band71 / 5MHz / 16QAM/ Mid CH



Band71 / 5MHz / QPSK/ High CH

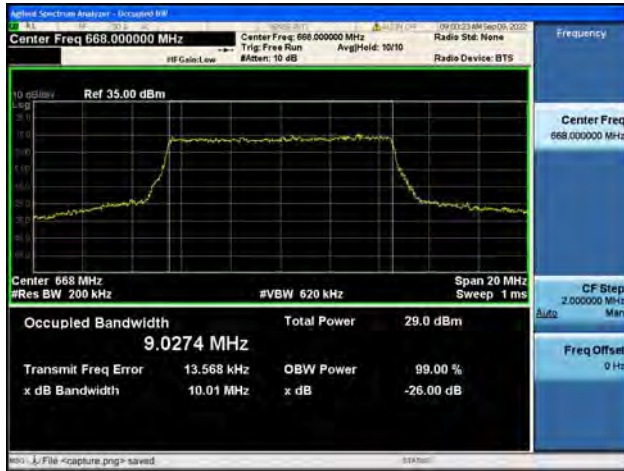


Band71 / 5MHz / 16QAM/ High CH

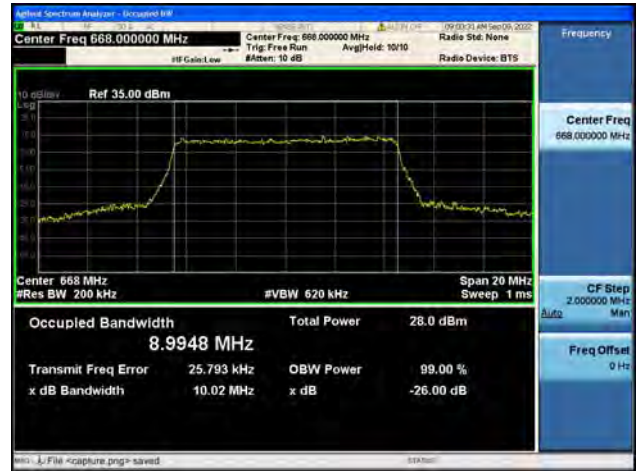




Band71 / 10MHz / QPSK/ Low CH



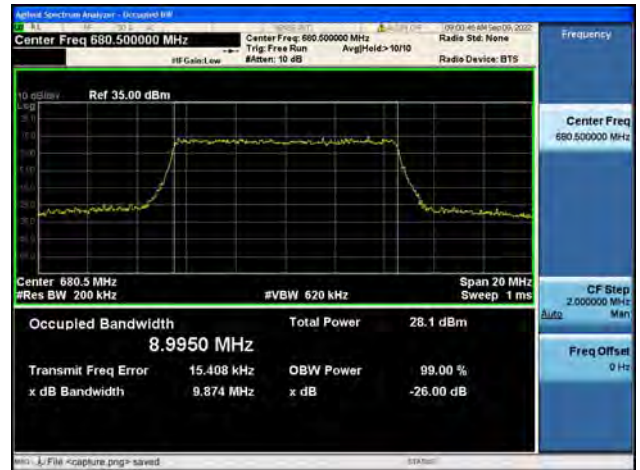
Band71 / 10MHz / 16QAM/ Low CH



Band71 / 10MHz / QPSK/ Mid CH



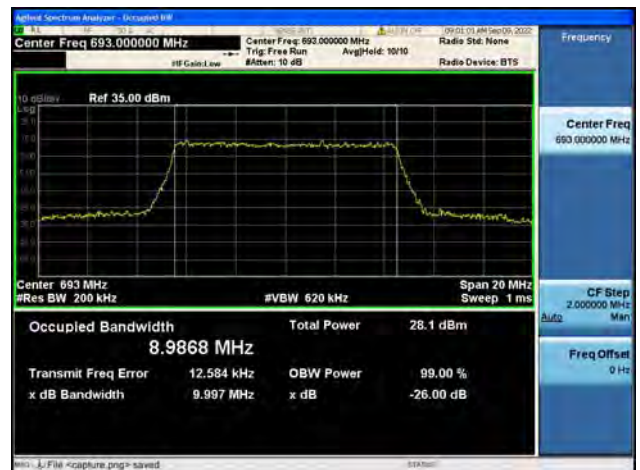
Band71 / 10MHz / 16QAM/ Mid CH



Band71 / 10MHz / QPSK/ High CH



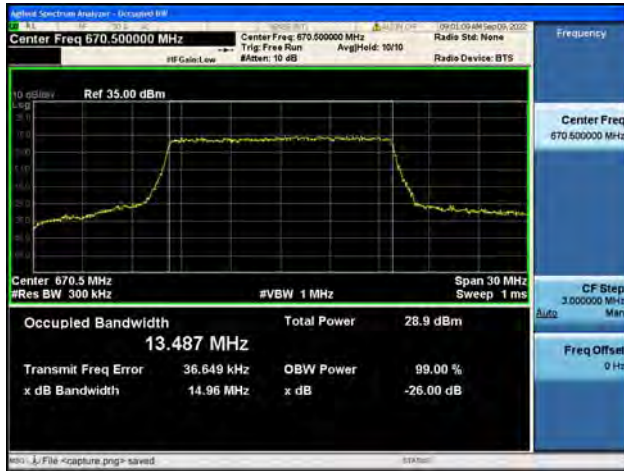
Band71 / 10MHz / 16QAM/ High CH







Band71 / 15MHz / QPSK/ Low CH



Band71 / 15MHz / 16QAM/ Low CH



Band71 / 15MHz / QPSK/ Mid CH



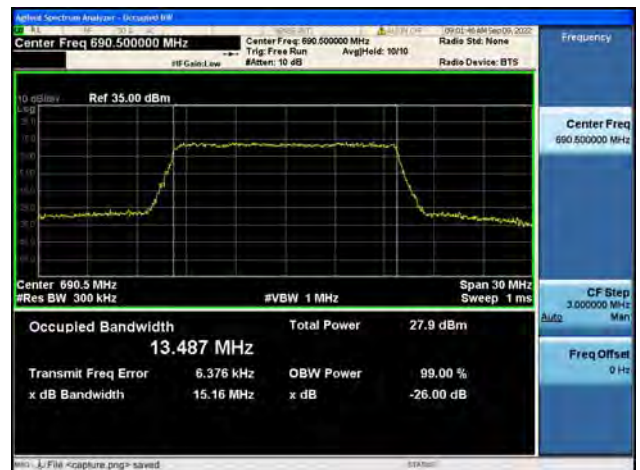
Band71 / 15MHz / 16QAM/ Mid CH



Band71 / 15MHz / QPSK/ High CH



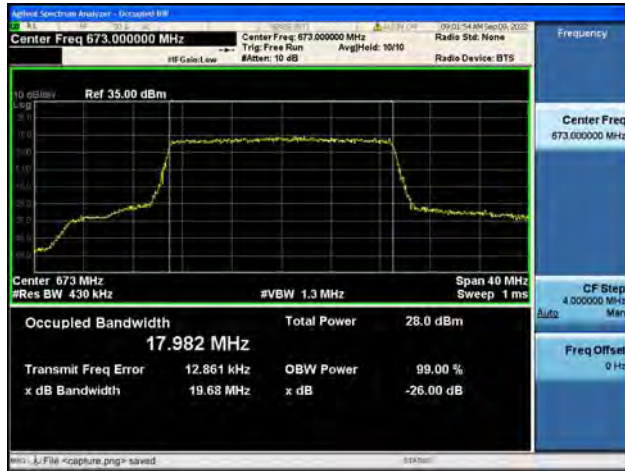
Band71 / 15MHz / 16QAM/ High CH







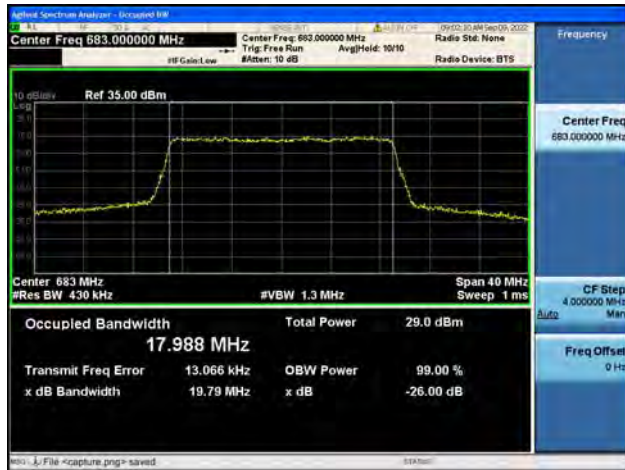
Band71 / 20MHz / QPSK/ Low CH



Band71 / 20MHz / 16QAM/ Low CH



Band71 / 20MHz / QPSK/ Mid CH



Band71 / 20MHz / 16QAM/ Mid CH



Band71 / 20MHz / QPSK/ High CH



Band71 / 20MHz / 16QAM/ High CH



## 2.3. Frequency Stability

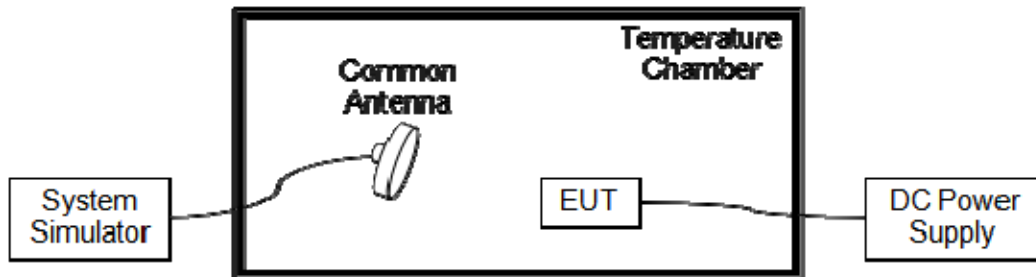
### 2.3.1. Requirement

According to FCC section 2.1055, 24.235, 27.54, the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block. According to FCC section 2.1055, the test conditions are:

- (a) The temperature is varied from  $-30^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$  at intervals of not more than  $10^{\circ}\text{C}$ .
- (b) For hand carried battery powered equipment, the primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacture. The supply voltage shall be measured at the input to the cable normally provided with the equipment, or at the power supply terminals if cables are not normally provided.

**Note:** The operating temperature of EUT is from  $-10^{\circ}\text{C}$  to  $55^{\circ}\text{C}$ , which are specified by the applicant.

### 2.3.2. Test Description



The EUT which is powered by the DC Power Supply directly, is located in the Temperature Chamber. The EUT is commanded by the System Simulator (SS) to operate at the maximum output power. A call is established between the EUT and the SS via a Common Antenna.

### 2.3.3. Test Procedure

KDB 971168 D01v03 Section 9.0 and ANSI/TIA-603-E-2016.



**2.3.4. Test Result**

The nominal, highest and lowest extreme voltages are separately 3.80V, 4.35V and 3.40V, which are specified by the applicant; the normal temperature here used is 20°C.

<b>LTE Band 2, QPSK, Channel 18900, Frequency 1880.0MHz</b>					
<b>Limit =Within Authorized Band</b>					
<b>Voltage (%)</b>	<b>Power (VDC)</b>	<b>Temp (°C)</b>	<b>Fre. Dev. (Hz)</b>	<b>Deviation (ppm)</b>	<b>Result</b>
Normal	3.80	+20(Ref)	23	0.012	PASS
Normal		-10	56	0.030	
Normal		0	15	0.008	
Normal		+10	37	0.020	
Normal		+20	47	0.025	
Normal		+30	53	0.028	
Normal		+40	-38	-0.020	
Normal		+50	-22	-0.012	
Normal		+55	48	0.026	
High	4.35	+20	-28	-0.015	
BATT.ENDPOINT	3.40	+20	-14	-0.007	

<b>LTE Band 4, QPSK, Channel 20175, Frequency 1732.5MHz</b>					
<b>Limit =Within Authorized Band</b>					
<b>Voltage (%)</b>	<b>Power (VDC)</b>	<b>Temp (°C)</b>	<b>Fre. Dev. (Hz)</b>	<b>Deviation (ppm)</b>	<b>Result</b>
Normal	3.80	+20(Ref)	-49	-0.028	PASS
Normal		-10	33	0.019	
Normal		0	44	0.025	
Normal		+10	-42	-0.024	
Normal		+20	28	0.016	
Normal		+30	42	0.024	
Normal		+40	19	0.011	
Normal		+50	33	0.019	
Normal		+55	-52	-0.030	
High	4.35	+20	-16	-0.009	
BATT.ENDPOINT	3.40	+20	54	0.031	



LTE Band 5, QPSK, Channel 20525, Frequency 836.5MHz					
Limit=±2.5ppm					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.80	+20(Ref)	-23	-0.027	PASS
Normal		-10	32	0.038	
Normal		0	16	0.019	
Normal		+10	17	0.020	
Normal		+20	-24	-0.029	
Normal		+30	36	0.043	
Normal		+40	-57	-0.068	
Normal		+50	26	0.031	
Normal		+55	19	0.023	
High		4.35	+20	26	
BATT.ENDPOINT	3.40	+20	-43	-0.051	

LTE Band 12, QPSK, Channel 23095, Frequency 707.5MHz					
Limit= Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.80	+20(Ref)	-21	-0.030	PASS
Normal		-10	-16	-0.023	
Normal		0	40	0.057	
Normal		+10	25	0.035	
Normal		+20	-53	-0.075	
Normal		+30	-28	-0.040	
Normal		+40	54	0.076	
Normal		+50	41	0.058	
Normal		+55	40	0.057	
High		4.35	+20	45	
BATT.ENDPOINT	3.40	+20	-51	-0.072	



LTE Band 25, QPSK, Channel 26365, Frequency 1882.5MHz					
Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.80	+20(Ref)	42	0.022	PASS
Normal		-10	46	0.024	
Normal		0	-41	-0.022	
Normal		+10	-22	-0.012	
Normal		+20	-42	-0.022	
Normal		+30	32	0.017	
Normal		+40	32	0.017	
Normal		+50	-31	-0.016	
Normal		+55	32	0.017	
High		4.35	+20	-52	
BATT.ENDPOINT	3.40	+20	23	0.012	

LTE Band 26, QPSK, Channel 26915, Frequency 836.5MHz					
Limit =±2.5ppm					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.80	+20(Ref)	45	0.054	PASS
Normal		-10	-33	-0.039	
Normal		0	42	0.050	
Normal		+10	-46	-0.055	
Normal		+20	29	0.035	
Normal		+30	30	0.036	
Normal		+40	14	0.017	
Normal		+50	-42	-0.050	
Normal		+55	20	0.024	
High		4.35	+20	24	
BATT.ENDPOINT	3.40	+20	-51	-0.061	