



TEST REPORT

APPLICANT : BLU Products, Inc.

PRODUCT NAME : Smart Phone

MODEL NAME : G71L

BRAND NAME : BLU

FCC ID : YHLBLUG71L

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

RECEIPT DATE : 2021-12-27

TEST DATE : 2022-01-05 to 2022-01-24

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DIRECTORY

- 1. Technical Information 3**
- 1.1. Applicant and Manufacturer Information 3**
- 1.2. Equipment Under Test (EUT) Description 3**
- 1.3. Maximum E.R.P./E.I.R.P. and Emission Designator 5**
- 1.4. Test Standards and Results 7**
- 1.5. Environmental Conditions 8**
- 2. 47 CFR Part 2, Part 22H, Part 24E, Part 27 H&L&M Requirements 9**
- 2.1. Transmitter Conducted Output Power and E.R.P./E.I.R.P. 9**
- 2.2. Occupied Bandwidth 75**
- 2.3. Frequency Stability 134**
- 2.4. Peak to Average Ratio 139**
- 2.5. Conducted Spurious Emissions 173**
- 2.6. Band Edge 228**
- 2.7. Radiated Spurious Emissions 262**
- Annex A Test Uncertainty 286**
- Annex B Testing Laboratory Information 287**

Change History		
Version	Date	Reason for change
1.0	2022-01-24	First edition



1. Technical Information

Note: Provide by applicant.

1.1. Applicant and Manufacturer Information

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

1.2. Equipment Under Test (EUT) Description

Product Name:	Smart Phone	
Sample No.:	5#	
Hardware Version:	V4.0	
Software Version:	BLU_G0710WW_V11.0.01.01_GENERIC 16-12-2021 01:35	
Modulation Type:	QPSK, 16QAM, 64QAM	
Carrier Aggregation:	Not Support	
Operation Band:	Band 2 / 4 / 5 / 7 / 12 / 17 / 66	
Frequency Range:	LTE Band 2	Tx: 1850MHz–1910MHz
		Rx: 1930MHz–1990MHz
	LTE Band 4	Tx: 1710MHz–1755MHz
		Rx: 2110MHz–2155MHz
	LTE Band 5	Tx: 824MHz–849MHz
		Rx: 869MHz–894MHz
	LTE Band 7	Tx: 2500MHz–2570MHz
		Rx: 2620MHz–2690MHz
	LTE Band 12	Tx: 699MHz - 716MHz
		Rx: 729MHz – 746MHz
	LTE Band 17	Tx: 704MHz - 716MHz
		Rx: 734MHz – 746MHz
	LTE Band 66	Tx: 1710MHz –1780MHz
		Rx: 2110MHz –2200MHz



Channel Bandwidth:	LTE Band 2	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 4	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 5	1.4MHz, 3MHz, 5MHz, 10MHz
	LTE Band 7	5 MHz, 10MHz, 15MHz, 20MHz
	LTE Band 12	1.4MHz, 3 MHz, 5 MHz, 10MHz
	LTE Band 17	5 MHz, 10MHz
	LTE Band 66	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
Antenna Type:	Fixed Internal Antenna	
Antenna Gain:	LTE Band 2	-2.88dBi
	LTE Band 4	-3.94dBi
	LTE Band 5	-2.04dBi
	LTE Band 7	0.89dBi
	LTE Band 12	-1.96dBi
	LTE Band 17	-1.97dBi
	LTE Band 66	-3.20dBi
Accessory Information:	Battery	
	Brand Name:	BLU
	Model No.:	C886450500P
	Serial No.:	N/A
	Capacity:	5000mAh
	Rated Voltage:	3.85V
	Charge Limit:	4.4
	Manufacturer:	Hunan Gaoyuan Battery.,Ltd
	AC Adapter	
	Brand Name:	BLU
	Model No.:	UC-CR-2000
	Serial No.:	N/A
	Rated Output:	5.0V \pm 2A
	Rated Input:	100-240V \sim 50/60Hz, 0.3A
	Manufacturer:	Shenzhen BaiJunda Electronics Co., Ltd.

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



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

LTE Band 2		Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
20	0.097	0.084	0.079	18M0G7D	18M0W7D	18M0W7D	
15	0.096	0.084	0.079	13M5G7D	13M5W7D	13M5W7D	
10	0.095	0.083	0.078	9M02G7D	8M99W7D	9M01W7D	
5	0.095	0.084	0.079	4M50G7D	4M50W7D	4M50W7D	
3	0.095	0.083	0.078	2M71G7D	2M72W7D	2M72W7D	
1.4	0.096	0.084	0.079	1M09G7D	1M10W7D	1M10W7D	
LTE Band 4		Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
20	0.081	0.067	0.069	18M0G7D	18M1W7D	18M0W7D	
15	0.079	0.065	0.067	13M5G7D	13M5W7D	13M5W7D	
10	0.079	0.066	0.067	9M02G7D	8M99W7D	9M01W7D	
5	0.079	0.065	0.067	4M50G7D	4M50W7D	4M50W7D	
3	0.079	0.066	0.067	2M72G7D	2M72W7D	2M73W7D	
1.4	0.080	0.066	0.068	1M10G7D	1M10W7D	1M10W7D	
LTE Band 5		Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
10	0.074	0.064	0.062	9M02G7D	8M97W7D	9M00W7D	
5	0.073	0.064	0.061	4M51G7D	4M50W7D	4M49W7D	
3	0.074	0.064	0.061	2M72G7D	2M71W7D	2M72W7D	
1.4	0.072	0.063	0.060	1M10G7D	1M10W7D	1M10W7D	
LTE Band 7		Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
20	0.212	0.175	0.175	18M0G7D	18M0W7D	18M1W7D	
15	0.212	0.174	0.174	13M5G7D	13M5W7D	13M5W7D	
10	0.211	0.175	0.171	9M01G7D	8M99W7D	8M99W7D	
5	0.207	0.171	0.171	4M52G7D	4M51W7D	4M50W7D	
LTE Band 12		Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
10	0.074	0.064	0.062	9M03G7D	8M98W7D	9M00W7D	
5	0.074	0.064	0.061	4M50G7D	4M50W7D	4M50W7D	
3	0.073	0.063	0.061	2M72G7D	2M72W7D	2M73W7D	
1.4	0.073	0.064	0.061	1M10G7D	1M10W7D	1M10W7D	



LTE Band 17	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10	0.075	0.065	0.062	9M02G7D	8M98W7D	8M99W7D
5	0.074	0.064	0.061	4M50G7D	4M51W7D	4M50W7D
LTE Band 66	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.098	0.085	0.082	18M0G7D	18M0W7D	18M0W7D
15	0.096	0.083	0.080	13M5G7D	13M5W7D	13M5W7D
10	0.097	0.084	0.081	9M02G7D	8M98W7D	9M00W7D
5	0.097	0.084	0.081	4M50G7D	4M50W7D	4M49W7D
3	0.097	0.084	0.081	2M71G7D	2M72W7D	2M73W7D
1.4	0.096	0.083	0.080	1M10G7D	1M10W7D	1M10W7D



1.4. Test Standards and Results

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

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

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

Section	Description	Test Date	Test Engineer	Result	Method Determination /Remark
2.1046 22.913(a)(2) 24.232(c) 27.50(c)(10) 27.50(d)(4) 27.50(h)(2)	Transmitter Conducted Output Power and E.R.P./E.I.R.P.	Jan 18&24, 2022	Chen Hao Li Huaijie	PASS	No deviation
2.1049	Occupied Bandwidth	Jan 06, 2022	Li Huaijie	PASS	No deviation
2.1055 22.355 24.235 27.54	Frequency Stability	Jan 17, 2022	Li Huaijie	PASS	No deviation
24.232(d), 27.50(d)(5)	Peak to Average Radio	Jan 06&07, 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	Jan 07, 2022	Li Huaijie	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(g)	Band Edge	Jan 06, 2022	Li Huaijie	PASS	No deviation



27.53(h) 27.53(m)(4)					
2.1051 22.917(a) 24.238(a) 27.53(g) 27.53(h) 27.53(m)(4)	Radiated Spurious Emissions	Jan 06, 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 27 H&L&M Requirements

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

2.1.1. Requirement

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

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

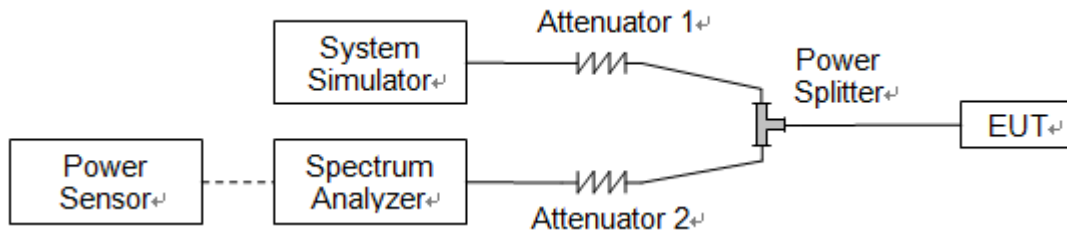
According to FCC section 27.50 (d)(4) for LTE Band 4/66, Fixed, mobile and portable (hand-held) stations in the 1710-1755MHz band are limited to 1wat E.I.R.P.

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

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

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

2.1.2. Test Description



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

2.1.3. Test Procedure

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

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

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



2.1.4. Result

Conducted Output Power:

LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18700	18900	19100
Frequency (MHz)				1860	1880	1900
20	QPSK	1	0	22.55	22.73	22.58
20	QPSK	1	49	22.54	22.68	22.67
20	QPSK	1	99	22.65	22.69	22.63
20	QPSK	50	0	21.50	21.64	21.51
20	QPSK	50	24	21.60	21.54	21.58
20	QPSK	50	50	21.53	21.63	21.55
20	QPSK	100	0	21.56	21.60	21.53
20	16QAM	1	0	22.05	21.74	22.14
20	16QAM	1	49	21.94	21.84	22.03
20	16QAM	1	99	21.87	21.89	21.84
20	16QAM	50	0	20.90	20.70	20.87
20	16QAM	50	24	20.83	20.92	20.94
20	16QAM	50	50	20.84	20.62	20.68
20	16QAM	100	0	20.71	20.74	20.73
20	64QAM	1	0	21.87	21.73	21.77
20	64QAM	1	49	21.71	21.77	21.80
20	64QAM	1	99	21.68	21.70	21.63
20	64QAM	50	0	20.86	20.92	20.79
20	64QAM	50	24	20.80	20.84	20.78
20	64QAM	50	50	20.83	20.85	20.67
20	64QAM	100	0	20.76	20.83	20.65



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18675	18900	19125
Frequency (MHz)				1857.5	1880	1902.5
15	QPSK	1	0	22.54	22.70	22.57
15	QPSK	1	37	22.53	22.65	22.66
15	QPSK	1	74	22.64	22.66	22.62
15	QPSK	36	0	21.49	21.61	21.50
15	QPSK	36	20	21.59	21.51	21.57
15	QPSK	36	39	21.52	21.60	21.54
15	QPSK	75	0	21.55	21.57	21.52
15	16QAM	1	0	22.04	21.71	22.13
15	16QAM	1	37	21.93	21.81	22.02
15	16QAM	1	74	21.86	21.86	21.83
15	16QAM	36	0	20.89	20.67	20.86
15	16QAM	36	20	20.82	20.89	20.93
15	16QAM	36	39	20.83	20.59	20.67
15	16QAM	75	0	20.70	20.71	20.72
15	64QAM	1	0	21.86	21.70	21.76
15	64QAM	1	37	21.70	21.74	21.79
15	64QAM	1	74	21.67	21.67	21.62
15	64QAM	36	0	20.85	20.89	20.78
15	64QAM	36	20	20.79	20.81	20.77
15	64QAM	36	39	20.82	20.82	20.66
15	64QAM	75	0	20.75	20.80	20.64



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18650	18900	19150
Frequency (MHz)				1855	1880	1905
10	QPSK	1	0	22.50	22.68	22.53
10	QPSK	1	25	22.49	22.63	22.62
10	QPSK	1	49	22.60	22.64	22.58
10	QPSK	25	0	21.45	21.59	21.46
10	QPSK	25	12	21.55	21.49	21.53
10	QPSK	25	25	21.48	21.58	21.50
10	QPSK	50	0	21.51	21.55	21.48
10	16QAM	1	0	22.00	21.69	22.09
10	16QAM	1	25	21.89	21.79	21.98
10	16QAM	1	49	21.82	21.84	21.79
10	16QAM	25	0	20.85	20.65	20.82
10	16QAM	25	12	20.78	20.87	20.89
10	16QAM	25	25	20.79	20.57	20.63
10	16QAM	50	0	20.66	20.69	20.68
10	64QAM	1	0	21.82	21.68	21.72
10	64QAM	1	25	21.66	21.72	21.75
10	64QAM	1	49	21.63	21.65	21.58
10	64QAM	25	0	20.81	20.87	20.74
10	64QAM	25	12	20.75	20.79	20.73
10	64QAM	25	25	20.78	20.80	20.62
10	64QAM	50	0	20.71	20.78	20.60



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18625	18900	19175
Frequency (MHz)				1852.5	1880	1907.5
5	QPSK	1	0	22.47	22.67	22.50
5	QPSK	1	12	22.46	22.62	22.59
5	QPSK	1	24	22.57	22.63	22.55
5	QPSK	12	0	21.48	21.64	21.49
5	QPSK	12	7	21.58	21.54	21.56
5	QPSK	12	13	21.51	21.63	21.53
5	QPSK	25	0	21.54	21.60	21.51
5	16QAM	1	0	22.03	21.74	22.12
5	16QAM	1	12	21.92	21.84	22.01
5	16QAM	1	24	21.85	21.89	21.82
5	16QAM	12	0	20.88	20.70	20.85
5	16QAM	12	7	20.81	20.92	20.92
5	16QAM	12	13	20.82	20.62	20.66
5	16QAM	25	0	20.69	20.74	20.71
5	64QAM	1	0	21.85	21.73	21.75
5	64QAM	1	12	21.69	21.77	21.78
5	64QAM	1	24	21.66	21.70	21.61
5	64QAM	12	0	20.84	20.92	20.77
5	64QAM	12	7	20.78	20.84	20.76
5	64QAM	12	13	20.81	20.85	20.65
5	64QAM	25	0	20.74	20.83	20.63



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18615	18900	19185
Frequency (MHz)				1851.5	1880	1908.5
3	QPSK	1	0	22.51	22.66	22.51
3	QPSK	1	8	22.50	22.61	22.60
3	QPSK	1	14	22.61	22.62	22.56
3	QPSK	8	0	21.49	21.57	21.44
3	QPSK	8	4	21.56	21.47	21.51
3	QPSK	8	7	21.49	21.56	21.48
3	QPSK	15	0	21.52	21.53	21.46
3	16QAM	1	0	21.98	21.67	22.07
3	16QAM	1	8	21.87	21.77	21.96
3	16QAM	1	14	21.80	21.82	21.77
3	16QAM	8	0	20.83	20.63	20.80
3	16QAM	8	4	20.76	20.85	20.87
3	16QAM	8	7	20.77	20.55	20.61
3	16QAM	15	0	20.64	20.67	20.66
3	64QAM	1	0	21.80	21.66	21.70
3	64QAM	1	8	21.64	21.70	21.73
3	64QAM	1	14	21.61	21.63	21.56
3	64QAM	8	0	20.79	20.85	20.72
3	64QAM	8	4	20.73	20.77	20.71
3	64QAM	8	7	20.76	20.78	20.60
3	64QAM	15	0	20.69	20.76	20.58



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18607	18900	19193
Frequency (MHz)				1850.7	1880	1909.3
1.4	QPSK	1	0	22.52	22.71	22.54
1.4	QPSK	1	3	22.51	22.66	22.63
1.4	QPSK	1	5	22.62	22.67	22.59
1.4	QPSK	3	0	21.47	21.62	21.47
1.4	QPSK	3	1	21.57	21.52	21.54
1.4	QPSK	3	3	21.50	21.61	21.51
1.4	QPSK	6	0	21.53	21.58	21.49
1.4	16QAM	1	0	22.02	21.72	22.10
1.4	16QAM	1	3	21.91	21.82	21.99
1.4	16QAM	1	5	21.84	21.87	21.80
1.4	16QAM	3	0	20.87	20.68	20.83
1.4	16QAM	3	1	20.80	20.90	20.90
1.4	16QAM	3	3	20.81	20.60	20.64
1.4	16QAM	6	0	20.68	20.72	20.69
1.4	64QAM	1	0	21.84	21.71	21.73
1.4	64QAM	1	3	21.68	21.75	21.76
1.4	64QAM	1	5	21.65	21.68	21.59
1.4	64QAM	3	0	20.83	20.90	20.75
1.4	64QAM	3	1	20.77	20.82	20.74
1.4	64QAM	3	3	20.80	20.83	20.63
1.4	64QAM	6	0	20.73	20.81	20.61



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20050	20175	20300
Frequency (MHz)				1720	1732.5	1745
20	QPSK	1	0	22.95	23.02	22.97
20	QPSK	1	49	22.85	22.98	22.84
20	QPSK	1	99	22.91	22.87	22.93
20	QPSK	50	0	21.80	21.98	21.84
20	QPSK	50	24	21.79	21.85	21.87
20	QPSK	50	50	21.84	21.86	21.92
20	QPSK	100	0	21.94	21.87	21.69
20	16QAM	1	0	22.18	22.20	21.92
20	16QAM	1	49	22.05	22.13	21.82
20	16QAM	1	99	22.12	21.99	21.94
20	16QAM	50	0	21.17	21.18	21.26
20	16QAM	50	24	21.06	21.12	21.35
20	16QAM	50	50	21.16	21.04	21.23
20	16QAM	100	0	21.03	21.05	21.16
20	64QAM	1	0	22.08	22.26	22.30
20	64QAM	1	49	21.98	21.94	21.89
20	64QAM	1	99	22.12	22.05	21.96
20	64QAM	50	0	21.04	21.13	21.21
20	64QAM	50	24	21.16	21.14	21.32
20	64QAM	50	50	21.23	21.21	21.06
20	64QAM	100	0	21.07	21.09	21.13



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20025	20175	20325
Frequency (MHz)				1717.5	1732.5	1747.5
15	QPSK	1	0	22.85	22.92	22.87
15	QPSK	1	37	22.75	22.88	22.74
15	QPSK	1	74	22.81	22.77	22.83
15	QPSK	36	0	21.70	21.88	21.74
15	QPSK	36	20	21.69	21.75	21.77
15	QPSK	36	39	21.74	21.76	21.82
15	QPSK	75	0	21.84	21.77	21.59
15	16QAM	1	0	22.08	22.10	21.82
15	16QAM	1	37	21.95	22.03	21.72
15	16QAM	1	74	22.02	21.89	21.84
15	16QAM	36	0	21.07	21.08	21.16
15	16QAM	36	20	20.96	21.02	21.25
15	16QAM	36	39	21.06	20.94	21.13
15	16QAM	75	0	20.93	20.95	21.06
15	64QAM	1	0	21.98	22.16	22.20
15	64QAM	1	37	21.88	21.84	21.79
15	64QAM	1	74	22.02	21.95	21.86
15	64QAM	36	0	20.94	21.03	21.11
15	64QAM	36	20	21.06	21.04	21.22
15	64QAM	36	39	21.13	21.11	20.96
15	64QAM	75	0	20.97	20.99	21.03



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20000	20175	20350
Frequency (MHz)				1715	1732.5	1750
10	QPSK	1	0	22.86	22.93	22.87
10	QPSK	1	25	22.76	22.89	22.74
10	QPSK	1	49	22.82	22.78	22.83
10	QPSK	25	0	21.71	21.89	21.74
10	QPSK	25	12	21.70	21.76	21.77
10	QPSK	25	25	21.75	21.77	21.82
10	QPSK	50	0	21.85	21.78	21.59
10	16QAM	1	0	22.09	22.11	21.82
10	16QAM	1	25	21.96	22.04	21.72
10	16QAM	1	49	22.03	21.90	21.84
10	16QAM	25	0	21.08	21.09	21.16
10	16QAM	25	12	20.97	21.03	21.25
10	16QAM	25	25	21.07	20.95	21.13
10	16QAM	50	0	20.94	20.96	21.06
10	64QAM	1	0	21.99	22.17	22.20
10	64QAM	1	25	21.89	21.85	21.79
10	64QAM	1	49	22.03	21.96	21.86
10	64QAM	25	0	20.95	21.04	21.11
10	64QAM	25	12	21.07	21.05	21.22
10	64QAM	25	25	21.14	21.12	20.96
10	64QAM	50	0	20.98	21.00	21.03



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19975	20175	20375
Frequency (MHz)				1712.5	1732.5	1752.5
5	QPSK	1	0	22.82	22.90	22.84
5	QPSK	1	12	22.72	22.86	22.71
5	QPSK	1	24	22.78	22.75	22.80
5	QPSK	12	0	21.67	21.86	21.71
5	QPSK	12	7	21.66	21.73	21.74
5	QPSK	12	13	21.71	21.74	21.79
5	QPSK	25	0	21.81	21.75	21.56
5	16QAM	1	0	22.05	22.08	21.79
5	16QAM	1	12	21.92	22.01	21.69
5	16QAM	1	24	21.99	21.87	21.81
5	16QAM	12	0	21.04	21.06	21.13
5	16QAM	12	7	20.93	21.00	21.22
5	16QAM	12	13	21.03	20.92	21.10
5	16QAM	25	0	20.90	20.93	21.03
5	64QAM	1	0	21.95	22.14	22.17
5	64QAM	1	12	21.85	21.82	21.76
5	64QAM	1	24	21.99	21.93	21.83
5	64QAM	12	0	20.91	21.01	21.08
5	64QAM	12	7	21.03	21.02	21.19
5	64QAM	12	13	21.10	21.09	20.93
5	64QAM	25	0	20.94	20.97	21.00



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19965	20175	20385
Frequency (MHz)				1711.5	1732.5	1753.5
3	QPSK	1	0	22.87	22.94	22.89
3	QPSK	1	8	22.77	22.90	22.76
3	QPSK	1	14	22.83	22.79	22.85
3	QPSK	8	0	21.72	21.90	21.76
3	QPSK	8	4	21.71	21.77	21.79
3	QPSK	8	7	21.76	21.78	21.84
3	QPSK	15	0	21.86	21.79	21.61
3	16QAM	1	0	22.10	22.12	21.84
3	16QAM	1	8	21.97	22.05	21.74
3	16QAM	1	14	22.04	21.91	21.86
3	16QAM	8	0	21.09	21.10	21.18
3	16QAM	8	4	20.98	21.04	21.27
3	16QAM	8	7	21.08	20.96	21.15
3	16QAM	15	0	20.95	20.97	21.08
3	64QAM	1	0	22.00	22.18	22.22
3	64QAM	1	8	21.90	21.86	21.81
3	64QAM	1	14	22.04	21.97	21.88
3	64QAM	8	0	20.96	21.05	21.13
3	64QAM	8	4	21.08	21.06	21.24
3	64QAM	8	7	21.15	21.13	20.98
3	64QAM	15	0	20.99	21.01	21.05



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19957	20175	20393
Frequency (MHz)				1710.7	1732.5	1754.3
1.4	QPSK	1	0	22.90	22.97	22.92
1.4	QPSK	1	3	22.80	22.93	22.79
1.4	QPSK	1	5	22.86	22.82	22.88
1.4	QPSK	3	0	21.75	21.93	21.79
1.4	QPSK	3	1	21.74	21.80	21.82
1.4	QPSK	3	3	21.79	21.81	21.87
1.4	QPSK	6	0	21.89	21.82	21.64
1.4	16QAM	1	0	22.13	22.15	21.87
1.4	16QAM	1	3	22.00	22.08	21.77
1.4	16QAM	1	5	22.07	21.94	21.89
1.4	16QAM	3	0	21.12	21.13	21.21
1.4	16QAM	3	1	21.01	21.07	21.30
1.4	16QAM	3	3	21.11	20.99	21.18
1.4	16QAM	6	0	20.98	21.00	21.11
1.4	64QAM	1	0	22.03	22.21	22.25
1.4	64QAM	1	3	21.93	21.89	21.84
1.4	64QAM	1	5	22.07	22.00	21.91
1.4	64QAM	3	0	20.99	21.08	21.16
1.4	64QAM	3	1	21.11	21.09	21.27
1.4	64QAM	3	3	21.18	21.16	21.01
1.4	64QAM	6	0	21.02	21.04	21.08



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20450	20525	20600
Frequency (MHz)				829	836.5	844
10	QPSK	1	0	22.87	22.89	22.86
10	QPSK	1	25	22.67	22.80	22.74
10	QPSK	1	49	22.76	22.81	22.83
10	QPSK	25	0	21.80	21.91	21.76
10	QPSK	25	12	21.90	21.83	21.81
10	QPSK	25	25	21.76	21.82	21.84
10	QPSK	50	0	21.78	21.79	21.64
10	16QAM	1	0	22.19	22.26	22.27
10	16QAM	1	25	22.12	22.08	22.11
10	16QAM	1	49	22.04	22.09	21.98
10	16QAM	25	0	21.14	21.11	21.04
10	16QAM	25	12	21.03	21.00	21.21
10	16QAM	25	25	21.00	21.01	21.03
10	16QAM	50	0	20.99	20.96	21.01
10	64QAM	1	0	22.01	22.08	21.82
10	64QAM	1	25	21.84	21.90	21.94
10	64QAM	1	49	21.76	21.88	21.82
10	64QAM	25	0	21.05	21.16	21.13
10	64QAM	25	12	21.14	21.17	21.08
10	64QAM	25	25	21.13	21.05	21.14
10	64QAM	50	0	20.87	20.93	21.00



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20425	20525	20625
Frequency (MHz)				826.5	836.5	846.5
5	QPSK	1	0	22.82	22.84	22.81
5	QPSK	1	12	22.62	22.75	22.69
5	QPSK	1	24	22.71	22.76	22.78
5	QPSK	12	0	21.75	21.86	21.71
5	QPSK	12	7	21.85	21.78	21.76
5	QPSK	12	13	21.71	21.77	21.79
5	QPSK	25	0	21.73	21.74	21.59
5	16QAM	1	0	22.14	22.21	22.22
5	16QAM	1	12	22.07	22.03	22.06
5	16QAM	1	24	21.99	22.04	21.93
5	16QAM	12	0	21.09	21.06	20.99
5	16QAM	12	7	20.98	20.95	21.16
5	16QAM	12	13	20.95	20.96	20.98
5	16QAM	25	0	20.94	20.91	20.96
5	64QAM	1	0	21.96	22.03	21.77
5	64QAM	1	12	21.79	21.85	21.89
5	64QAM	1	24	21.71	21.83	21.77
5	64QAM	12	0	21.00	21.11	21.08
5	64QAM	12	7	21.09	21.12	21.03
5	64QAM	12	13	21.08	21.00	21.09
5	64QAM	25	0	20.82	20.88	20.95



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20415	20525	20635
Frequency (MHz)				825.5	836.5	847.5
3	QPSK	1	0	22.84	22.86	22.83
3	QPSK	1	8	22.64	22.77	22.71
3	QPSK	1	14	22.73	22.78	22.80
3	QPSK	8	0	21.77	21.88	21.73
3	QPSK	8	4	21.87	21.80	21.78
3	QPSK	8	7	21.73	21.79	21.81
3	QPSK	15	0	21.75	21.76	21.61
3	16QAM	1	0	22.16	22.23	22.24
3	16QAM	1	8	22.09	22.05	22.08
3	16QAM	1	14	22.01	22.06	21.95
3	16QAM	8	0	21.11	21.08	21.01
3	16QAM	8	4	21.00	20.97	21.18
3	16QAM	8	7	20.97	20.98	21.00
3	16QAM	15	0	20.96	20.93	20.98
3	64QAM	1	0	21.98	22.05	21.79
3	64QAM	1	8	21.81	21.87	21.91
3	64QAM	1	14	21.73	21.85	21.79
3	64QAM	8	0	21.02	21.13	21.10
3	64QAM	8	4	21.11	21.14	21.05
3	64QAM	8	7	21.10	21.02	21.11
3	64QAM	15	0	20.84	20.90	20.97



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20407	20525	20643
Frequency (MHz)				824.7	836.5	848.3
1.4	QPSK	1	0	22.77	22.79	22.76
1.4	QPSK	1	3	22.57	22.70	22.64
1.4	QPSK	1	5	22.66	22.71	22.73
1.4	QPSK	3	0	21.70	21.81	21.66
1.4	QPSK	3	1	21.80	21.73	21.71
1.4	QPSK	3	3	21.66	21.72	21.74
1.4	QPSK	6	0	21.68	21.69	21.54
1.4	16QAM	1	0	22.09	22.16	22.17
1.4	16QAM	1	3	22.02	21.98	22.01
1.4	16QAM	1	5	21.94	21.99	21.88
1.4	16QAM	3	0	21.04	21.01	20.94
1.4	16QAM	3	1	20.93	20.90	21.11
1.4	16QAM	3	3	20.90	20.91	20.93
1.4	16QAM	6	0	20.89	20.86	20.91
1.4	64QAM	1	0	21.91	21.98	21.72
1.4	64QAM	1	3	21.74	21.80	21.84
1.4	64QAM	1	5	21.66	21.78	21.72
1.4	64QAM	3	0	20.95	21.06	21.03
1.4	64QAM	3	1	21.04	21.07	20.98
1.4	64QAM	3	3	21.03	20.95	21.04
1.4	64QAM	6	0	20.77	20.83	20.90



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20850	21100	21350
Frequency (MHz)				2510	2535	2560
20	QPSK	1	0	22.02	22.38	22.30
20	QPSK	1	49	22.31	22.16	22.35
20	QPSK	1	99	22.30	22.24	22.36
20	QPSK	50	0	21.34	21.54	21.33
20	QPSK	50	24	21.52	21.42	21.34
20	QPSK	50	50	21.44	21.45	21.50
20	QPSK	100	0	21.33	21.53	21.45
20	16QAM	1	0	21.13	21.55	21.46
20	16QAM	1	49	21.38	21.34	21.39
20	16QAM	1	99	21.46	21.36	21.44
20	16QAM	50	0	20.34	20.39	20.21
20	16QAM	50	24	20.32	20.35	20.31
20	16QAM	50	50	20.38	20.36	20.21
20	16QAM	100	0	20.41	20.43	20.31
20	64QAM	1	0	21.32	21.07	21.20
20	64QAM	1	49	21.46	21.55	21.36
20	64QAM	1	99	21.34	21.06	21.15
20	64QAM	50	0	20.24	20.35	20.21
20	64QAM	50	24	20.36	20.41	20.50
20	64QAM	50	50	20.27	20.40	20.38
20	64QAM	100	0	20.38	20.47	20.42



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20825	21100	21375
Frequency (MHz)				2507.5	2535	2562.5
15	QPSK	1	0	21.98	22.37	21.96
15	QPSK	1	37	22.34	22.23	22.11
15	QPSK	1	74	22.36	22.31	22.12
15	QPSK	36	0	21.30	21.51	21.29
15	QPSK	36	20	21.48	21.39	21.30
15	QPSK	36	39	21.40	21.42	21.46
15	QPSK	75	0	21.29	21.50	21.41
15	16QAM	1	0	21.09	21.52	21.42
15	16QAM	1	37	21.34	21.31	21.35
15	16QAM	1	74	21.42	21.33	21.40
15	16QAM	36	0	20.30	20.36	20.17
15	16QAM	36	20	20.28	20.32	20.27
15	16QAM	36	39	20.34	20.33	20.17
15	16QAM	75	0	20.37	20.40	20.27
15	64QAM	1	0	21.28	21.04	21.16
15	64QAM	1	37	21.42	21.52	21.32
15	64QAM	1	74	21.30	21.03	21.11
15	64QAM	36	0	20.20	20.32	20.17
15	64QAM	36	20	20.32	20.38	20.46
15	64QAM	36	39	20.23	20.37	20.34
15	64QAM	75	0	20.34	20.44	20.38



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20800	21100	21400
Frequency (MHz)				2505	2535	2565
10	QPSK	1	0	21.99	22.36	22.17
10	QPSK	1	25	22.28	22.14	22.22
10	QPSK	1	49	22.27	22.22	22.23
10	QPSK	25	0	21.31	21.52	21.30
10	QPSK	25	12	21.49	21.40	21.31
10	QPSK	25	25	21.41	21.43	21.47
10	QPSK	50	0	21.30	21.51	21.42
10	16QAM	1	0	21.10	21.53	21.43
10	16QAM	1	25	21.35	21.32	21.36
10	16QAM	1	49	21.43	21.34	21.41
10	16QAM	25	0	20.31	20.37	20.18
10	16QAM	25	12	20.29	20.33	20.28
10	16QAM	25	25	20.35	20.34	20.18
10	16QAM	50	0	20.38	20.41	20.28
10	64QAM	1	0	21.29	21.05	21.17
10	64QAM	1	25	21.43	21.23	21.33
10	64QAM	1	49	21.31	21.04	21.12
10	64QAM	25	0	20.21	20.33	20.18
10	64QAM	25	12	20.33	20.39	20.47
10	64QAM	25	25	20.24	20.38	20.35
10	64QAM	50	0	20.35	20.45	20.39



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20775	21100	21425
Frequency (MHz)				2502.5	2535	2567.5
5	QPSK	1	0	21.90	22.27	22.08
5	QPSK	1	12	22.19	22.05	22.13
5	QPSK	1	24	22.18	22.13	22.14
5	QPSK	12	0	21.22	21.43	21.21
5	QPSK	12	7	21.40	21.31	21.22
5	QPSK	12	13	21.32	21.34	21.38
5	QPSK	25	0	21.21	21.42	21.33
5	16QAM	1	0	21.01	21.44	21.34
5	16QAM	1	12	21.26	21.23	21.27
5	16QAM	1	24	21.34	21.25	21.32
5	16QAM	12	0	20.22	20.28	20.09
5	16QAM	12	7	20.20	20.24	20.19
5	16QAM	12	13	20.26	20.25	20.09
5	16QAM	25	0	20.29	20.32	20.19
5	64QAM	1	0	21.20	20.96	21.08
5	64QAM	1	12	21.34	21.44	21.24
5	64QAM	1	24	21.22	20.95	21.03
5	64QAM	12	0	20.12	20.24	20.09
5	64QAM	12	7	20.24	20.30	20.38
5	64QAM	12	13	20.15	20.29	20.26
5	64QAM	25	0	20.26	20.36	20.30



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23060	23095	23130
Frequency (MHz)				704	707.5	711
10	QPSK	1	0	22.66	22.80	22.71
10	QPSK	1	25	22.73	22.67	22.58
10	QPSK	1	49	22.64	22.76	22.68
10	QPSK	25	0	21.68	21.73	21.67
10	QPSK	25	12	21.62	21.70	21.67
10	QPSK	25	25	21.71	21.68	21.54
10	QPSK	50	0	21.59	21.64	21.52
10	16QAM	1	0	22.08	22.16	22.10
10	16QAM	1	25	22.03	22.12	22.11
10	16QAM	1	49	22.01	22.11	22.13
10	16QAM	25	0	20.67	20.74	20.69
10	16QAM	25	12	20.54	20.73	20.64
10	16QAM	25	25	20.68	20.66	20.56
10	16QAM	50	0	20.81	20.71	20.78
10	64QAM	1	0	21.76	22.01	21.72
10	64QAM	1	25	21.90	21.89	21.62
10	64QAM	1	49	21.64	21.94	21.82
10	64QAM	25	0	20.63	20.87	20.76
10	64QAM	25	12	20.64	20.76	20.84
10	64QAM	25	25	20.56	20.81	20.83
10	64QAM	50	0	20.86	20.90	20.91



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23035	23095	23155
Frequency (MHz)				701.5	707.5	713.5
5	QPSK	1	0	22.64	22.78	22.69
5	QPSK	1	12	22.71	22.65	22.56
5	QPSK	1	24	22.62	22.74	22.66
5	QPSK	12	0	21.66	21.71	21.65
5	QPSK	12	7	21.60	21.68	21.65
5	QPSK	12	13	21.69	21.66	21.52
5	QPSK	25	0	21.57	21.62	21.50
5	16QAM	1	0	22.06	22.14	22.08
5	16QAM	1	12	22.01	22.10	22.09
5	16QAM	1	24	21.99	22.09	22.11
5	16QAM	12	0	20.65	20.72	20.67
5	16QAM	12	7	20.52	20.71	20.62
5	16QAM	12	13	20.66	20.64	20.54
5	16QAM	25	0	20.79	20.69	20.76
5	64QAM	1	0	21.74	21.99	21.70
5	64QAM	1	12	21.88	21.87	21.60
5	64QAM	1	24	21.62	21.92	21.80
5	64QAM	12	0	20.61	20.85	20.74
5	64QAM	12	7	20.62	20.74	20.82
5	64QAM	12	13	20.54	20.79	20.81
5	64QAM	25	0	20.84	20.88	20.89



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23025	23095	23165
Frequency (MHz)				700.5	707.5	714.5
3	QPSK	1	0	22.67	22.77	22.70
3	QPSK	1	8	22.74	22.64	22.57
3	QPSK	1	14	22.65	22.73	22.67
3	QPSK	8	0	21.69	21.70	21.66
3	QPSK	8	4	21.63	21.67	21.66
3	QPSK	8	7	21.72	21.65	21.53
3	QPSK	15	0	21.60	21.61	21.51
3	16QAM	1	0	22.09	22.13	22.09
3	16QAM	1	8	22.04	22.09	22.10
3	16QAM	1	14	22.02	22.08	22.12
3	16QAM	8	0	20.68	20.71	20.68
3	16QAM	8	4	20.55	20.70	20.63
3	16QAM	8	7	20.69	20.63	20.55
3	16QAM	15	0	20.82	20.68	20.77
3	64QAM	1	0	21.77	21.98	21.71
3	64QAM	1	8	21.91	21.86	21.61
3	64QAM	1	14	21.65	21.91	21.81
3	64QAM	8	0	20.64	20.84	20.75
3	64QAM	8	4	20.65	20.73	20.83
3	64QAM	8	7	20.57	20.78	20.82
3	64QAM	15	0	20.87	20.87	20.90



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23017	23095	23173
Frequency (MHz)				699.7	707.5	715.3
1.4	QPSK	1	0	22.61	22.76	22.75
1.4	QPSK	1	3	22.68	22.63	22.62
1.4	QPSK	1	5	22.59	22.72	22.72
1.4	QPSK	3	0	21.63	21.69	21.71
1.4	QPSK	3	1	21.57	21.66	21.71
1.4	QPSK	3	3	21.66	21.64	21.58
1.4	QPSK	6	0	21.54	21.60	21.56
1.4	16QAM	1	0	22.03	22.12	22.14
1.4	16QAM	1	3	21.98	22.08	22.15
1.4	16QAM	1	5	21.96	22.07	22.17
1.4	16QAM	3	0	20.62	20.70	20.73
1.4	16QAM	3	1	20.49	20.69	20.68
1.4	16QAM	3	3	20.63	20.62	20.60
1.4	16QAM	6	0	20.76	20.67	20.82
1.4	64QAM	1	0	21.71	21.97	21.76
1.4	64QAM	1	3	21.85	21.85	21.66
1.4	64QAM	1	5	21.59	21.90	21.86
1.4	64QAM	3	0	20.58	20.83	20.80
1.4	64QAM	3	1	20.59	20.72	20.88
1.4	64QAM	3	3	20.51	20.77	20.87
1.4	64QAM	6	0	20.81	20.86	20.95



LTE Band 17						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23780	23790	23800
Frequency (MHz)				709	710	711
10	QPSK	1	0	22.82	22.88	22.81
10	QPSK	1	25	22.64	22.74	22.73
10	QPSK	1	49	22.74	22.87	22.58
10	QPSK	25	0	21.67	21.80	21.71
10	QPSK	25	12	21.56	21.67	21.68
10	QPSK	25	25	21.64	21.73	21.78
10	QPSK	50	0	21.72	21.75	21.66
10	16QAM	1	0	22.21	22.23	22.12
10	16QAM	1	25	22.21	21.98	21.91
10	16QAM	1	49	22.05	22.01	21.87
10	16QAM	25	0	20.74	20.81	20.73
10	16QAM	25	12	20.86	20.62	20.62
10	16QAM	25	25	20.70	20.71	20.84
10	16QAM	50	0	20.68	20.72	20.80
10	64QAM	1	0	21.62	22.05	22.01
10	64QAM	1	25	21.97	21.90	22.03
10	64QAM	1	49	22.01	21.88	21.87
10	64QAM	25	0	20.92	20.80	20.87
10	64QAM	25	12	20.76	20.66	20.72
10	64QAM	25	25	21.05	21.10	20.94
10	64QAM	50	0	20.68	20.70	20.73



LTE Band 17						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23755	23790	23825
Frequency (MHz)				706.5	710	713.5
5	QPSK	1	0	22.73	22.80	22.72
5	QPSK	1	12	22.55	22.66	22.64
5	QPSK	1	24	22.65	22.79	22.49
5	QPSK	12	0	21.58	21.72	21.62
5	QPSK	12	7	21.47	21.59	21.59
5	QPSK	12	13	21.55	21.65	21.69
5	QPSK	25	0	21.63	21.67	21.57
5	16QAM	1	0	22.12	22.15	22.03
5	16QAM	1	12	22.12	21.90	21.82
5	16QAM	1	24	21.96	21.93	21.78
5	16QAM	12	0	20.65	20.73	20.64
5	16QAM	12	7	20.77	20.54	20.53
5	16QAM	12	13	20.61	20.63	20.75
5	16QAM	25	0	20.59	20.64	20.71
5	64QAM	1	0	21.53	21.97	21.92
5	64QAM	1	12	21.88	21.82	21.94
5	64QAM	1	24	21.92	21.80	21.78
5	64QAM	12	0	20.83	20.72	20.78
5	64QAM	12	7	20.67	20.58	20.63
5	64QAM	12	13	20.96	21.02	20.85
5	64QAM	25	0	20.59	20.62	20.64



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	23.07	23.13	23.10
20	QPSK	1	49	23.02	23.01	22.97
20	QPSK	1	99	23.00	22.91	23.04
20	QPSK	50	0	22.02	22.04	22.03
20	QPSK	50	24	21.89	22.00	21.91
20	QPSK	50	50	21.94	21.97	21.76
20	QPSK	100	0	22.01	21.98	21.85
20	16QAM	1	0	22.37	22.48	22.36
20	16QAM	1	49	22.41	22.29	22.40
20	16QAM	1	99	22.23	22.24	22.15
20	16QAM	50	0	21.28	21.25	21.25
20	16QAM	50	24	21.13	21.27	21.30
20	16QAM	50	50	21.26	21.21	21.18
20	16QAM	100	0	21.04	21.18	21.00
20	64QAM	1	0	22.06	22.34	21.96
20	64QAM	1	49	22.14	22.32	22.23
20	64QAM	1	99	22.22	22.05	22.32
20	64QAM	50	0	21.19	21.17	21.18
20	64QAM	50	24	21.30	21.25	21.20
20	64QAM	50	50	21.04	21.13	21.08
20	64QAM	100	0	21.14	21.13	21.07



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132047	132322	132597
Frequency (MHz)				1717.5	1745	1772.5
15	QPSK	1	0	22.98	23.04	23.01
15	QPSK	1	37	22.93	22.92	22.88
15	QPSK	1	74	22.91	22.82	22.95
15	QPSK	36	0	21.93	21.95	21.94
15	QPSK	36	20	21.80	21.91	21.82
15	QPSK	36	39	21.85	21.88	21.67
15	QPSK	75	0	21.92	21.89	21.76
15	16QAM	1	0	22.28	22.39	22.27
15	16QAM	1	37	22.32	22.20	22.31
15	16QAM	1	74	22.14	22.15	22.06
15	16QAM	36	0	21.19	21.16	21.16
15	16QAM	36	20	21.04	21.18	21.21
15	16QAM	36	39	21.17	21.12	21.09
15	16QAM	75	0	20.95	21.09	20.91
15	64QAM	1	0	21.97	22.25	21.87
15	64QAM	1	37	22.05	22.23	22.14
15	64QAM	1	74	22.13	21.96	22.23
15	64QAM	36	0	21.10	21.08	21.09
15	64QAM	36	20	21.21	21.16	21.11
15	64QAM	36	39	20.95	21.04	20.99
15	64QAM	75	0	21.05	21.04	20.98



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132022	132322	132622
Frequency (MHz)				1715	1745	1775
10	QPSK	1	0	22.96	23.08	23.05
10	QPSK	1	25	22.91	22.96	22.92
10	QPSK	1	49	22.89	22.86	22.99
10	QPSK	25	0	21.91	21.99	21.98
10	QPSK	25	12	21.78	21.95	21.86
10	QPSK	25	25	21.83	21.92	21.71
10	QPSK	50	0	21.90	21.93	21.80
10	16QAM	1	0	22.26	22.43	22.31
10	16QAM	1	25	22.30	22.24	22.35
10	16QAM	1	49	22.12	22.19	22.10
10	16QAM	25	0	21.17	21.20	21.20
10	16QAM	25	12	21.02	21.22	21.25
10	16QAM	25	25	21.15	21.16	21.13
10	16QAM	50	0	20.93	21.13	20.95
10	64QAM	1	0	21.95	22.29	21.91
10	64QAM	1	25	22.03	22.27	22.18
10	64QAM	1	49	22.11	22.00	22.27
10	64QAM	25	0	21.08	21.12	21.13
10	64QAM	25	12	21.19	21.20	21.15
10	64QAM	25	25	20.93	21.08	21.03
10	64QAM	50	0	21.03	21.08	21.02



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				131997	132322	132647
Frequency (MHz)				1712.5	1745	1777.5
5	QPSK	1	0	23.01	23.09	23.04
5	QPSK	1	12	22.96	22.97	22.91
5	QPSK	1	24	22.94	22.87	22.98
5	QPSK	12	0	21.96	22.00	21.97
5	QPSK	12	7	21.83	21.96	21.85
5	QPSK	12	13	21.88	21.93	21.70
5	QPSK	25	0	21.95	21.94	21.79
5	16QAM	1	0	22.31	22.44	22.30
5	16QAM	1	12	22.35	22.25	22.34
5	16QAM	1	24	22.17	22.20	22.09
5	16QAM	12	0	21.22	21.21	21.19
5	16QAM	12	7	21.07	21.23	21.24
5	16QAM	12	13	21.20	21.17	21.12
5	16QAM	25	0	20.98	21.14	20.94
5	64QAM	1	0	22.00	22.30	21.90
5	64QAM	1	12	22.08	22.28	22.17
5	64QAM	1	24	22.16	22.01	22.26
5	64QAM	12	0	21.13	21.13	21.12
5	64QAM	12	7	21.24	21.21	21.14
5	64QAM	12	13	20.98	21.09	21.02
5	64QAM	25	0	21.08	21.09	21.01



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	23.00	23.07	23.04
3	QPSK	1	8	22.95	22.95	22.91
3	QPSK	1	14	22.93	22.85	22.98
3	QPSK	8	0	21.95	21.98	21.97
3	QPSK	8	4	21.82	21.94	21.85
3	QPSK	8	7	21.87	21.91	21.70
3	QPSK	15	0	21.94	21.92	21.79
3	16QAM	1	0	22.30	22.42	22.30
3	16QAM	1	8	22.34	22.23	22.34
3	16QAM	1	14	22.16	22.18	22.09
3	16QAM	8	0	21.21	21.19	21.19
3	16QAM	8	4	21.06	21.21	21.24
3	16QAM	8	7	21.19	21.15	21.12
3	16QAM	15	0	20.97	21.12	20.94
3	64QAM	1	0	21.99	22.28	21.90
3	64QAM	1	8	22.07	22.26	22.17
3	64QAM	1	14	22.15	21.99	22.26
3	64QAM	8	0	21.12	21.11	21.12
3	64QAM	8	4	21.23	21.19	21.14
3	64QAM	8	7	20.97	21.07	21.02
3	64QAM	15	0	21.07	21.07	21.01



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				131979	132322	132665
Frequency (MHz)				1710.7	1745	1779.3
1.4	QPSK	1	0	22.97	23.03	23.00
1.4	QPSK	1	3	22.92	22.91	22.87
1.4	QPSK	1	5	22.90	22.81	22.94
1.4	QPSK	3	0	21.92	21.94	21.93
1.4	QPSK	3	1	21.79	21.90	21.81
1.4	QPSK	3	3	21.84	21.87	21.66
1.4	QPSK	6	0	21.91	21.88	21.75
1.4	16QAM	1	0	22.27	22.38	22.26
1.4	16QAM	1	3	22.31	22.19	22.30
1.4	16QAM	1	5	22.13	22.14	22.05
1.4	16QAM	3	0	21.18	21.15	21.15
1.4	16QAM	3	1	21.03	21.17	21.20
1.4	16QAM	3	3	21.16	21.11	21.08
1.4	16QAM	6	0	20.94	21.08	20.90
1.4	64QAM	1	0	21.96	22.24	21.86
1.4	64QAM	1	3	22.04	22.22	22.13
1.4	64QAM	1	5	22.12	21.95	22.22
1.4	64QAM	3	0	21.09	21.07	21.08
1.4	64QAM	3	1	21.20	21.15	21.10
1.4	64QAM	3	3	20.94	21.03	20.98
1.4	64QAM	6	0	21.04	21.03	20.97



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	19.67	0.093	19.85	0.097	19.70	0.093
20	QPSK	1	49	19.66	0.092	19.80	0.095	19.79	0.095
20	QPSK	1	99	19.77	0.095	19.81	0.096	19.75	0.094
20	QPSK	50	0	18.62	0.073	18.76	0.075	18.63	0.073
20	QPSK	50	24	18.72	0.074	18.66	0.073	18.70	0.074
20	QPSK	50	50	18.65	0.073	18.75	0.075	18.67	0.074
20	QPSK	100	0	18.68	0.074	18.72	0.074	18.65	0.073
20	16QAM	1	0	19.17	0.083	18.86	0.077	19.26	0.084
20	16QAM	1	49	19.06	0.081	18.96	0.079	19.15	0.082
20	16QAM	1	99	18.99	0.079	19.01	0.080	18.96	0.079
20	16QAM	50	0	18.02	0.063	17.82	0.061	17.99	0.063
20	16QAM	50	24	17.95	0.062	18.04	0.064	18.06	0.064
20	16QAM	50	50	17.96	0.063	17.74	0.059	17.80	0.060
20	16QAM	100	0	17.83	0.061	17.86	0.061	17.85	0.061
20	64QAM	1	0	18.99	0.079	18.85	0.077	18.89	0.077
20	64QAM	1	49	18.83	0.076	18.89	0.077	18.92	0.078
20	64QAM	1	99	18.80	0.076	18.82	0.076	18.75	0.075
20	64QAM	50	0	17.98	0.063	18.04	0.064	17.91	0.062
20	64QAM	50	24	17.92	0.062	17.96	0.063	17.90	0.062
20	64QAM	50	50	17.95	0.062	17.97	0.063	17.79	0.060
20	64QAM	100	0	17.88	0.061	17.95	0.062	17.77	0.060



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	19.66	0.092	19.82	0.096	19.69	0.093
15	QPSK	1	37	19.65	0.092	19.77	0.095	19.78	0.095
15	QPSK	1	74	19.76	0.095	19.78	0.095	19.74	0.094
15	QPSK	36	0	18.61	0.073	18.73	0.075	18.62	0.073
15	QPSK	36	20	18.71	0.074	18.63	0.073	18.69	0.074
15	QPSK	36	39	18.64	0.073	18.72	0.074	18.66	0.073
15	QPSK	75	0	18.67	0.074	18.69	0.074	18.64	0.073
15	16QAM	1	0	19.16	0.082	18.83	0.076	19.25	0.084
15	16QAM	1	37	19.05	0.080	18.93	0.078	19.14	0.082
15	16QAM	1	74	18.98	0.079	18.98	0.079	18.95	0.079
15	16QAM	36	0	18.01	0.063	17.79	0.060	17.98	0.063
15	16QAM	36	20	17.94	0.062	18.01	0.063	18.05	0.064
15	16QAM	36	39	17.95	0.062	17.71	0.059	17.79	0.060
15	16QAM	75	0	17.82	0.061	17.83	0.061	17.84	0.061
15	64QAM	1	0	18.98	0.079	18.82	0.076	18.88	0.077
15	64QAM	1	37	18.82	0.076	18.86	0.077	18.91	0.078
15	64QAM	1	74	18.79	0.076	18.79	0.076	18.74	0.075
15	64QAM	36	0	17.97	0.063	18.01	0.063	17.90	0.062
15	64QAM	36	20	17.91	0.062	17.93	0.062	17.89	0.062
15	64QAM	36	39	17.94	0.062	17.94	0.062	17.78	0.060
15	64QAM	75	0	17.87	0.061	17.92	0.062	17.76	0.060



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	19.62	0.092	19.80	0.095	19.65	0.092
10	QPSK	1	25	19.61	0.091	19.75	0.094	19.74	0.094
10	QPSK	1	49	19.72	0.094	19.76	0.095	19.70	0.093
10	QPSK	25	0	18.57	0.072	18.71	0.074	18.58	0.072
10	QPSK	25	12	18.67	0.074	18.61	0.073	18.65	0.073
10	QPSK	25	25	18.60	0.072	18.70	0.074	18.62	0.073
10	QPSK	50	0	18.63	0.073	18.67	0.074	18.60	0.072
10	16QAM	1	0	19.12	0.082	18.81	0.076	19.21	0.083
10	16QAM	1	25	19.01	0.080	18.91	0.078	19.10	0.081
10	16QAM	1	49	18.94	0.078	18.96	0.079	18.91	0.078
10	16QAM	25	0	17.97	0.063	17.77	0.060	17.94	0.062
10	16QAM	25	12	17.90	0.062	17.99	0.063	18.01	0.063
10	16QAM	25	25	17.91	0.062	17.69	0.059	17.75	0.060
10	16QAM	50	0	17.78	0.060	17.81	0.060	17.80	0.060
10	64QAM	1	0	18.94	0.078	18.80	0.076	18.84	0.077
10	64QAM	1	25	18.78	0.076	18.84	0.077	18.87	0.077
10	64QAM	1	49	18.75	0.075	18.77	0.075	18.70	0.074
10	64QAM	25	0	17.93	0.062	17.99	0.063	17.86	0.061
10	64QAM	25	12	17.87	0.061	17.91	0.062	17.85	0.061
10	64QAM	25	25	17.90	0.062	17.92	0.062	17.74	0.059
10	64QAM	50	0	17.83	0.061	17.90	0.062	17.72	0.059



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	19.59	0.091	19.79	0.095	19.62	0.092
5	QPSK	1	12	19.58	0.091	19.74	0.094	19.71	0.094
5	QPSK	1	24	19.69	0.093	19.75	0.094	19.67	0.093
5	QPSK	12	0	18.60	0.072	18.76	0.075	18.61	0.073
5	QPSK	12	7	18.70	0.074	18.66	0.073	18.68	0.074
5	QPSK	12	13	18.63	0.073	18.75	0.075	18.65	0.073
5	QPSK	25	0	18.66	0.073	18.72	0.074	18.63	0.073
5	16QAM	1	0	19.15	0.082	18.86	0.077	19.24	0.084
5	16QAM	1	12	19.04	0.080	18.96	0.079	19.13	0.082
5	16QAM	1	24	18.97	0.079	19.01	0.080	18.94	0.078
5	16QAM	12	0	18.00	0.063	17.82	0.061	17.97	0.063
5	16QAM	12	7	17.93	0.062	18.04	0.064	18.04	0.064
5	16QAM	12	13	17.94	0.062	17.74	0.059	17.78	0.060
5	16QAM	25	0	17.81	0.060	17.86	0.061	17.83	0.061
5	64QAM	1	0	18.97	0.079	18.85	0.077	18.87	0.077
5	64QAM	1	12	18.81	0.076	18.89	0.077	18.90	0.078
5	64QAM	1	24	18.78	0.076	18.82	0.076	18.73	0.075
5	64QAM	12	0	17.96	0.063	18.04	0.064	17.89	0.062
5	64QAM	12	7	17.90	0.062	17.96	0.063	17.88	0.061
5	64QAM	12	13	17.93	0.062	17.97	0.063	17.77	0.060
5	64QAM	25	0	17.86	0.061	17.95	0.062	17.75	0.060



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	19.63	0.092	19.78	0.095	19.63	0.092
3	QPSK	1	8	19.62	0.092	19.73	0.094	19.72	0.094
3	QPSK	1	14	19.73	0.094	19.74	0.094	19.68	0.093
3	QPSK	8	0	18.61	0.073	18.69	0.074	18.56	0.072
3	QPSK	8	4	18.68	0.074	18.59	0.072	18.63	0.073
3	QPSK	8	7	18.61	0.073	18.68	0.074	18.60	0.072
3	QPSK	15	0	18.64	0.073	18.65	0.073	18.58	0.072
3	16QAM	1	0	19.10	0.081	18.79	0.076	19.19	0.083
3	16QAM	1	8	18.99	0.079	18.89	0.077	19.08	0.081
3	16QAM	1	14	18.92	0.078	18.94	0.078	18.89	0.077
3	16QAM	8	0	17.95	0.062	17.75	0.060	17.92	0.062
3	16QAM	8	4	17.88	0.061	17.97	0.063	17.99	0.063
3	16QAM	8	7	17.89	0.062	17.67	0.058	17.73	0.059
3	16QAM	15	0	17.76	0.060	17.79	0.060	17.78	0.060
3	64QAM	1	0	18.92	0.078	18.78	0.076	18.82	0.076
3	64QAM	1	8	18.76	0.075	18.82	0.076	18.85	0.077
3	64QAM	1	14	18.73	0.075	18.75	0.075	18.68	0.074
3	64QAM	8	0	17.91	0.062	17.97	0.063	17.84	0.061
3	64QAM	8	4	17.85	0.061	17.89	0.062	17.83	0.061
3	64QAM	8	7	17.88	0.061	17.90	0.062	17.72	0.059
3	64QAM	15	0	17.81	0.060	17.88	0.061	17.70	0.059



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	19.64	0.092	19.83	0.096	19.66	0.092
1.4	QPSK	1	3	19.63	0.092	19.78	0.095	19.75	0.094
1.4	QPSK	1	5	19.74	0.094	19.79	0.095	19.71	0.094
1.4	QPSK	3	0	18.59	0.072	18.74	0.075	18.59	0.072
1.4	QPSK	3	1	18.69	0.074	18.64	0.073	18.66	0.073
1.4	QPSK	3	3	18.62	0.073	18.73	0.075	18.63	0.073
1.4	QPSK	6	0	18.65	0.073	18.70	0.074	18.61	0.073
1.4	16QAM	1	0	19.14	0.082	18.84	0.077	19.22	0.084
1.4	16QAM	1	3	19.03	0.080	18.94	0.078	19.11	0.081
1.4	16QAM	1	5	18.96	0.079	18.99	0.079	18.92	0.078
1.4	16QAM	3	0	17.99	0.063	17.80	0.060	17.95	0.062
1.4	16QAM	3	1	17.92	0.062	18.02	0.063	18.02	0.063
1.4	16QAM	3	3	17.93	0.062	17.72	0.059	17.76	0.060
1.4	16QAM	6	0	17.80	0.060	17.84	0.061	17.81	0.060
1.4	64QAM	1	0	18.96	0.079	18.83	0.076	18.85	0.077
1.4	64QAM	1	3	18.80	0.076	18.87	0.077	18.88	0.077
1.4	64QAM	1	5	18.77	0.075	18.80	0.076	18.71	0.074
1.4	64QAM	3	0	17.95	0.062	18.02	0.063	17.87	0.061
1.4	64QAM	3	1	17.89	0.062	17.94	0.062	17.86	0.061
1.4	64QAM	3	3	17.92	0.062	17.95	0.062	17.75	0.060
1.4	64QAM	6	0	17.85	0.061	17.93	0.062	17.73	0.059



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	19.01	0.080	19.08	0.081	19.03	0.080
20	QPSK	1	49	18.91	0.078	19.04	0.080	18.90	0.078
20	QPSK	1	99	18.97	0.079	18.93	0.078	18.99	0.079
20	QPSK	50	0	17.86	0.061	18.04	0.064	17.90	0.062
20	QPSK	50	24	17.85	0.061	17.91	0.062	17.93	0.062
20	QPSK	50	50	17.90	0.062	17.92	0.062	17.98	0.063
20	QPSK	100	0	18.00	0.063	17.93	0.062	17.75	0.060
20	16QAM	1	0	18.24	0.067	18.26	0.067	17.98	0.063
20	16QAM	1	49	18.11	0.065	18.19	0.066	17.88	0.061
20	16QAM	1	99	18.18	0.066	18.05	0.064	18.00	0.063
20	16QAM	50	0	17.23	0.053	17.24	0.053	17.32	0.054
20	16QAM	50	24	17.12	0.052	17.18	0.052	17.41	0.055
20	16QAM	50	50	17.22	0.053	17.10	0.051	17.29	0.054
20	16QAM	100	0	17.09	0.051	17.11	0.051	17.22	0.053
20	64QAM	1	0	18.14	0.065	18.32	0.068	18.36	0.069
20	64QAM	1	49	18.04	0.064	18.00	0.063	17.95	0.062
20	64QAM	1	99	18.18	0.066	18.11	0.065	18.02	0.063
20	64QAM	50	0	17.10	0.051	17.19	0.052	17.27	0.053
20	64QAM	50	24	17.22	0.053	17.20	0.052	17.38	0.055
20	64QAM	50	50	17.29	0.054	17.27	0.053	17.12	0.052
20	64QAM	100	0	17.13	0.052	17.15	0.052	17.19	0.052



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	18.91	0.078	18.98	0.079	18.93	0.078
15	QPSK	1	37	18.81	0.076	18.94	0.078	18.80	0.076
15	QPSK	1	74	18.87	0.077	18.83	0.076	18.89	0.077
15	QPSK	36	0	17.76	0.060	17.94	0.062	17.80	0.060
15	QPSK	36	20	17.75	0.060	17.81	0.060	17.83	0.061
15	QPSK	36	39	17.80	0.060	17.82	0.061	17.88	0.061
15	QPSK	75	0	17.90	0.062	17.83	0.061	17.65	0.058
15	16QAM	1	0	18.14	0.065	18.16	0.065	17.88	0.061
15	16QAM	1	37	18.01	0.063	18.09	0.064	17.78	0.060
15	16QAM	1	74	18.08	0.064	17.95	0.062	17.90	0.062
15	16QAM	36	0	17.13	0.052	17.14	0.052	17.22	0.053
15	16QAM	36	20	17.02	0.050	17.08	0.051	17.31	0.054
15	16QAM	36	39	17.12	0.052	17.00	0.050	17.19	0.052
15	16QAM	75	0	16.99	0.050	17.01	0.050	17.12	0.052
15	64QAM	1	0	18.04	0.064	18.22	0.066	18.26	0.067
15	64QAM	1	37	17.94	0.062	17.90	0.062	17.85	0.061
15	64QAM	1	74	18.08	0.064	18.01	0.063	17.92	0.062
15	64QAM	36	0	17.00	0.050	17.09	0.051	17.17	0.052
15	64QAM	36	20	17.12	0.052	17.10	0.051	17.28	0.053
15	64QAM	36	39	17.19	0.052	17.17	0.052	17.02	0.050
15	64QAM	75	0	17.03	0.050	17.05	0.051	17.09	0.051



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	18.92	0.078	18.99	0.079	18.93	0.078
10	QPSK	1	25	18.82	0.076	18.95	0.079	18.80	0.076
10	QPSK	1	49	18.88	0.077	18.84	0.077	18.89	0.077
10	QPSK	25	0	17.77	0.060	17.95	0.062	17.80	0.060
10	QPSK	25	12	17.76	0.060	17.82	0.061	17.83	0.061
10	QPSK	25	25	17.81	0.060	17.83	0.061	17.88	0.061
10	QPSK	50	0	17.91	0.062	17.84	0.061	17.65	0.058
10	16QAM	1	0	18.15	0.065	18.17	0.066	17.88	0.061
10	16QAM	1	25	18.02	0.063	18.10	0.065	17.78	0.060
10	16QAM	1	49	18.09	0.064	17.96	0.063	17.90	0.062
10	16QAM	25	0	17.14	0.052	17.15	0.052	17.22	0.053
10	16QAM	25	12	17.03	0.050	17.09	0.051	17.31	0.054
10	16QAM	25	25	17.13	0.052	17.01	0.050	17.19	0.052
10	16QAM	50	0	17.00	0.050	17.02	0.050	17.12	0.052
10	64QAM	1	0	18.05	0.064	18.23	0.067	18.26	0.067
10	64QAM	1	25	17.95	0.062	17.91	0.062	17.85	0.061
10	64QAM	1	49	18.09	0.064	18.02	0.063	17.92	0.062
10	64QAM	25	0	17.01	0.050	17.10	0.051	17.17	0.052
10	64QAM	25	12	17.13	0.052	17.11	0.051	17.28	0.053
10	64QAM	25	25	17.20	0.052	17.18	0.052	17.02	0.050
10	64QAM	50	0	17.04	0.051	17.06	0.051	17.09	0.051



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	18.88	0.077	18.96	0.079	18.90	0.078
5	QPSK	1	12	18.78	0.076	18.92	0.078	18.77	0.075
5	QPSK	1	24	18.84	0.077	18.81	0.076	18.86	0.077
5	QPSK	12	0	17.73	0.059	17.92	0.062	17.77	0.060
5	QPSK	12	7	17.72	0.059	17.79	0.060	17.80	0.060
5	QPSK	12	13	17.77	0.060	17.80	0.060	17.85	0.061
5	QPSK	25	0	17.87	0.061	17.81	0.060	17.62	0.058
5	16QAM	1	0	18.11	0.065	18.14	0.065	17.85	0.061
5	16QAM	1	12	17.98	0.063	18.07	0.064	17.75	0.060
5	16QAM	1	24	18.05	0.064	17.93	0.062	17.87	0.061
5	16QAM	12	0	17.10	0.051	17.12	0.052	17.19	0.052
5	16QAM	12	7	16.99	0.050	17.06	0.051	17.28	0.053
5	16QAM	12	13	17.09	0.051	16.98	0.050	17.16	0.052
5	16QAM	25	0	16.96	0.050	16.99	0.050	17.09	0.051
5	64QAM	1	0	18.01	0.063	18.20	0.066	18.23	0.067
5	64QAM	1	12	17.91	0.062	17.88	0.061	17.82	0.061
5	64QAM	1	24	18.05	0.064	17.99	0.063	17.89	0.062
5	64QAM	12	0	16.97	0.050	17.07	0.051	17.14	0.052
5	64QAM	12	7	17.09	0.051	17.08	0.051	17.25	0.053
5	64QAM	12	13	17.16	0.052	17.15	0.052	16.99	0.050
5	64QAM	25	0	17.00	0.050	17.03	0.050	17.06	0.051



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	18.93	0.078	19.00	0.079	18.95	0.079
3	QPSK	1	8	18.83	0.076	18.96	0.079	18.82	0.076
3	QPSK	1	14	18.89	0.077	18.85	0.077	18.91	0.078
3	QPSK	8	0	17.78	0.060	17.96	0.063	17.82	0.061
3	QPSK	8	4	17.77	0.060	17.83	0.061	17.85	0.061
3	QPSK	8	7	17.82	0.061	17.84	0.061	17.90	0.062
3	QPSK	15	0	17.92	0.062	17.85	0.061	17.67	0.058
3	16QAM	1	0	18.16	0.065	18.18	0.066	17.90	0.062
3	16QAM	1	8	18.03	0.064	18.11	0.065	17.80	0.060
3	16QAM	1	14	18.10	0.065	17.97	0.063	17.92	0.062
3	16QAM	8	0	17.15	0.052	17.16	0.052	17.24	0.053
3	16QAM	8	4	17.04	0.051	17.10	0.051	17.33	0.054
3	16QAM	8	7	17.14	0.052	17.02	0.050	17.21	0.053
3	16QAM	15	0	17.01	0.050	17.03	0.050	17.14	0.052
3	64QAM	1	0	18.06	0.064	18.24	0.067	18.28	0.067
3	64QAM	1	8	17.96	0.063	17.92	0.062	17.87	0.061
3	64QAM	1	14	18.10	0.065	18.03	0.064	17.94	0.062
3	64QAM	8	0	17.02	0.050	17.11	0.051	17.19	0.052
3	64QAM	8	4	17.14	0.052	17.12	0.052	17.30	0.054
3	64QAM	8	7	17.21	0.053	17.19	0.052	17.04	0.051
3	64QAM	15	0	17.05	0.051	17.07	0.051	17.11	0.051



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	18.96	0.079	19.03	0.080	18.98	0.079
1.4	QPSK	1	3	18.86	0.077	18.99	0.079	18.85	0.077
1.4	QPSK	1	5	18.92	0.078	18.88	0.077	18.94	0.078
1.4	QPSK	3	0	17.81	0.060	17.99	0.063	17.85	0.061
1.4	QPSK	3	1	17.80	0.060	17.86	0.061	17.88	0.061
1.4	QPSK	3	3	17.85	0.061	17.87	0.061	17.93	0.062
1.4	QPSK	6	0	17.95	0.062	17.88	0.061	17.70	0.059
1.4	16QAM	1	0	18.19	0.066	18.21	0.066	17.93	0.062
1.4	16QAM	1	3	18.06	0.064	18.14	0.065	17.83	0.061
1.4	16QAM	1	5	18.13	0.065	18.00	0.063	17.95	0.062
1.4	16QAM	3	0	17.18	0.052	17.19	0.052	17.27	0.053
1.4	16QAM	3	1	17.07	0.051	17.13	0.052	17.36	0.054
1.4	16QAM	3	3	17.17	0.052	17.05	0.051	17.24	0.053
1.4	16QAM	6	0	17.04	0.051	17.06	0.051	17.17	0.052
1.4	64QAM	1	0	18.09	0.064	18.27	0.067	18.31	0.068
1.4	64QAM	1	3	17.99	0.063	17.95	0.062	17.90	0.062
1.4	64QAM	1	5	18.13	0.065	18.06	0.064	17.97	0.063
1.4	64QAM	3	0	17.05	0.051	17.14	0.052	17.22	0.053
1.4	64QAM	3	1	17.17	0.052	17.15	0.052	17.33	0.054
1.4	64QAM	3	3	17.24	0.053	17.22	0.053	17.07	0.051
1.4	64QAM	6	0	17.08	0.051	17.10	0.051	17.14	0.052



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20450		20525		20600	
Frequency (MHz)				829		836.5		844	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	18.68	0.074	18.70	0.074	18.67	0.074
10	QPSK	1	25	18.48	0.070	18.61	0.073	18.55	0.072
10	QPSK	1	49	18.57	0.072	18.62	0.073	18.64	0.073
10	QPSK	25	0	17.61	0.058	17.72	0.059	17.57	0.057
10	QPSK	25	12	17.71	0.059	17.64	0.058	17.62	0.058
10	QPSK	25	25	17.57	0.057	17.63	0.058	17.65	0.058
10	QPSK	50	0	17.59	0.057	17.60	0.058	17.45	0.056
10	16QAM	1	0	18.00	0.063	18.07	0.064	18.08	0.064
10	16QAM	1	25	17.93	0.062	17.89	0.062	17.92	0.062
10	16QAM	1	49	17.85	0.061	17.90	0.062	17.79	0.060
10	16QAM	25	0	16.95	0.050	16.92	0.049	16.85	0.048
10	16QAM	25	12	16.84	0.048	16.81	0.048	17.02	0.050
10	16QAM	25	25	16.81	0.048	16.82	0.048	16.84	0.048
10	16QAM	50	0	16.80	0.048	16.77	0.048	16.82	0.048
10	64QAM	1	0	17.82	0.061	17.89	0.062	17.63	0.058
10	64QAM	1	25	17.65	0.058	17.71	0.059	17.75	0.060
10	64QAM	1	49	17.57	0.057	17.69	0.059	17.63	0.058
10	64QAM	25	0	16.86	0.049	16.97	0.050	16.94	0.049
10	64QAM	25	12	16.95	0.050	16.98	0.050	16.89	0.049
10	64QAM	25	25	16.94	0.049	16.86	0.049	16.95	0.050
10	64QAM	50	0	16.68	0.047	16.74	0.047	16.81	0.048



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20425		20525		20625	
Frequency (MHz)				826.5		836.5		846.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	18.63	0.073	18.65	0.073	18.62	0.073
5	QPSK	1	12	18.43	0.070	18.56	0.072	18.50	0.071
5	QPSK	1	24	18.52	0.071	18.57	0.072	18.59	0.072
5	QPSK	12	0	17.56	0.057	17.67	0.058	17.52	0.056
5	QPSK	12	7	17.66	0.058	17.59	0.057	17.57	0.057
5	QPSK	12	13	17.52	0.056	17.58	0.057	17.60	0.058
5	QPSK	25	0	17.54	0.057	17.55	0.057	17.40	0.055
5	16QAM	1	0	17.95	0.062	18.02	0.063	18.03	0.064
5	16QAM	1	12	17.88	0.061	17.84	0.061	17.87	0.061
5	16QAM	1	24	17.80	0.060	17.85	0.061	17.74	0.059
5	16QAM	12	0	16.90	0.049	16.87	0.049	16.80	0.048
5	16QAM	12	7	16.79	0.048	16.76	0.047	16.97	0.050
5	16QAM	12	13	16.76	0.047	16.77	0.048	16.79	0.048
5	16QAM	25	0	16.75	0.047	16.72	0.047	16.77	0.048
5	64QAM	1	0	17.77	0.060	17.84	0.061	17.58	0.057
5	64QAM	1	12	17.60	0.058	17.66	0.058	17.70	0.059
5	64QAM	1	24	17.52	0.056	17.64	0.058	17.58	0.057
5	64QAM	12	0	16.81	0.048	16.92	0.049	16.89	0.049
5	64QAM	12	7	16.90	0.049	16.93	0.049	16.84	0.048
5	64QAM	12	13	16.89	0.049	16.81	0.048	16.90	0.049
5	64QAM	25	0	16.63	0.046	16.69	0.047	16.76	0.047



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20415		20525		20635	
Frequency (MHz)				825.5		836.5		847.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	18.65	0.073	18.67	0.074	18.64	0.073
3	QPSK	1	8	18.45	0.070	18.58	0.072	18.52	0.071
3	QPSK	1	14	18.54	0.071	18.59	0.072	18.61	0.073
3	QPSK	8	0	17.58	0.057	17.69	0.059	17.54	0.057
3	QPSK	8	4	17.68	0.059	17.61	0.058	17.59	0.057
3	QPSK	8	7	17.54	0.057	17.60	0.058	17.62	0.058
3	QPSK	15	0	17.56	0.057	17.57	0.057	17.42	0.055
3	16QAM	1	0	17.97	0.063	18.04	0.064	18.05	0.064
3	16QAM	1	8	17.90	0.062	17.86	0.061	17.89	0.062
3	16QAM	1	14	17.82	0.061	17.87	0.061	17.76	0.060
3	16QAM	8	0	16.92	0.049	16.89	0.049	16.82	0.048
3	16QAM	8	4	16.81	0.048	16.78	0.048	16.99	0.050
3	16QAM	8	7	16.78	0.048	16.79	0.048	16.81	0.048
3	16QAM	15	0	16.77	0.048	16.74	0.047	16.79	0.048
3	64QAM	1	0	17.79	0.060	17.86	0.061	17.60	0.058
3	64QAM	1	8	17.62	0.058	17.68	0.059	17.72	0.059
3	64QAM	1	14	17.54	0.057	17.66	0.058	17.60	0.058
3	64QAM	8	0	16.83	0.048	16.94	0.049	16.91	0.049
3	64QAM	8	4	16.92	0.049	16.95	0.050	16.86	0.049
3	64QAM	8	7	16.91	0.049	16.83	0.048	16.92	0.049
3	64QAM	15	0	16.65	0.046	16.71	0.047	16.78	0.048



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20407		20525		20643	
Frequency (MHz)				824.7		836.5		848.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	18.58	0.072	18.60	0.072	18.57	0.072
1.4	QPSK	1	3	18.38	0.069	18.51	0.071	18.45	0.070
1.4	QPSK	1	5	18.47	0.070	18.52	0.071	18.54	0.071
1.4	QPSK	3	0	17.51	0.056	17.62	0.058	17.47	0.056
1.4	QPSK	3	1	17.61	0.058	17.54	0.057	17.52	0.056
1.4	QPSK	3	3	17.47	0.056	17.53	0.057	17.55	0.057
1.4	QPSK	6	0	17.49	0.056	17.50	0.056	17.35	0.054
1.4	16QAM	1	0	17.90	0.062	17.97	0.063	17.98	0.063
1.4	16QAM	1	3	17.83	0.061	17.79	0.060	17.82	0.061
1.4	16QAM	1	5	17.75	0.060	17.80	0.060	17.69	0.059
1.4	16QAM	3	0	16.85	0.048	16.82	0.048	16.75	0.047
1.4	16QAM	3	1	16.74	0.047	16.71	0.047	16.92	0.049
1.4	16QAM	3	3	16.71	0.047	16.72	0.047	16.74	0.047
1.4	16QAM	6	0	16.70	0.047	16.67	0.046	16.72	0.047
1.4	64QAM	1	0	17.72	0.059	17.79	0.060	17.53	0.057
1.4	64QAM	1	3	17.55	0.057	17.61	0.058	17.65	0.058
1.4	64QAM	1	5	17.47	0.056	17.59	0.057	17.53	0.057
1.4	64QAM	3	0	16.76	0.047	16.87	0.049	16.84	0.048
1.4	64QAM	3	1	16.85	0.048	16.88	0.049	16.79	0.048
1.4	64QAM	3	3	16.84	0.048	16.76	0.047	16.85	0.048
1.4	64QAM	6	0	16.58	0.045	16.64	0.046	16.71	0.047



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20850		21100		21350	
Frequency (MHz)				2510		2535		2560	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	22.91	0.195	23.27	0.212	23.19	0.208
20	QPSK	1	49	23.20	0.209	23.05	0.202	23.24	0.211
20	QPSK	1	99	23.19	0.208	23.13	0.206	23.25	0.211
20	QPSK	50	0	22.23	0.167	22.43	0.175	22.22	0.167
20	QPSK	50	24	22.41	0.174	22.31	0.170	22.23	0.167
20	QPSK	50	50	22.33	0.171	22.34	0.171	22.39	0.173
20	QPSK	100	0	22.22	0.167	22.42	0.175	22.34	0.171
20	16QAM	1	0	22.02	0.159	22.44	0.175	22.35	0.172
20	16QAM	1	49	22.27	0.169	22.23	0.167	22.28	0.169
20	16QAM	1	99	22.35	0.172	22.25	0.168	22.33	0.171
20	16QAM	50	0	21.23	0.133	21.28	0.134	21.10	0.129
20	16QAM	50	24	21.21	0.132	21.24	0.133	21.20	0.132
20	16QAM	50	50	21.27	0.134	21.25	0.133	21.10	0.129
20	16QAM	100	0	21.30	0.135	21.32	0.136	21.20	0.132
20	64QAM	1	0	22.21	0.166	21.96	0.157	22.09	0.162
20	64QAM	1	49	22.35	0.172	22.44	0.175	22.25	0.168
20	64QAM	1	99	22.23	0.167	21.95	0.157	22.04	0.160
20	64QAM	50	0	21.13	0.130	21.24	0.133	21.10	0.129
20	64QAM	50	24	21.25	0.133	21.30	0.135	21.39	0.138
20	64QAM	50	50	21.16	0.131	21.29	0.135	21.27	0.134
20	64QAM	100	0	21.27	0.134	21.36	0.137	21.31	0.135



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20825		21100		21375	
Frequency (MHz)				2507.5		2535		2562.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	22.87	0.194	23.26	0.212	22.85	0.193
15	QPSK	1	37	23.23	0.210	23.12	0.205	23.00	0.200
15	QPSK	1	74	23.25	0.211	23.20	0.209	23.01	0.200
15	QPSK	36	0	22.19	0.166	22.40	0.174	22.18	0.165
15	QPSK	36	20	22.37	0.173	22.28	0.169	22.19	0.166
15	QPSK	36	39	22.29	0.169	22.31	0.170	22.35	0.172
15	QPSK	75	0	22.18	0.165	22.39	0.173	22.30	0.170
15	16QAM	1	0	21.98	0.158	22.41	0.174	22.31	0.170
15	16QAM	1	37	22.23	0.167	22.20	0.166	22.24	0.167
15	16QAM	1	74	22.31	0.170	22.22	0.167	22.29	0.169
15	16QAM	36	0	21.19	0.132	21.25	0.133	21.06	0.128
15	16QAM	36	20	21.17	0.131	21.21	0.132	21.16	0.131
15	16QAM	36	39	21.23	0.133	21.22	0.132	21.06	0.128
15	16QAM	75	0	21.26	0.134	21.29	0.135	21.16	0.131
15	64QAM	1	0	22.17	0.165	21.93	0.156	22.05	0.160
15	64QAM	1	37	22.31	0.170	22.41	0.174	22.21	0.166
15	64QAM	1	74	22.19	0.166	21.92	0.156	22.00	0.158
15	64QAM	36	0	21.09	0.129	21.21	0.132	21.06	0.128
15	64QAM	36	20	21.21	0.132	21.27	0.134	21.35	0.136
15	64QAM	36	39	21.12	0.129	21.26	0.134	21.23	0.133
15	64QAM	75	0	21.23	0.133	21.33	0.136	21.27	0.134



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20800		21100		21400	
Frequency (MHz)				2505		2535		2565	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	22.88	0.194	23.25	0.211	23.06	0.202
10	QPSK	1	25	23.17	0.207	23.03	0.201	23.11	0.205
10	QPSK	1	49	23.16	0.207	23.11	0.205	23.12	0.205
10	QPSK	25	0	22.20	0.166	22.41	0.174	22.19	0.166
10	QPSK	25	12	22.38	0.173	22.29	0.169	22.20	0.166
10	QPSK	25	25	22.30	0.170	22.32	0.171	22.36	0.172
10	QPSK	50	0	22.19	0.166	22.40	0.174	22.31	0.170
10	16QAM	1	0	21.99	0.158	22.42	0.175	22.32	0.171
10	16QAM	1	25	22.24	0.167	22.21	0.166	22.25	0.168
10	16QAM	1	49	22.32	0.171	22.23	0.167	22.30	0.170
10	16QAM	25	0	21.20	0.132	21.26	0.134	21.07	0.128
10	16QAM	25	12	21.18	0.131	21.22	0.132	21.17	0.131
10	16QAM	25	25	21.24	0.133	21.23	0.133	21.07	0.128
10	16QAM	50	0	21.27	0.134	21.30	0.135	21.17	0.131
10	64QAM	1	0	22.18	0.165	21.94	0.156	22.06	0.161
10	64QAM	1	25	22.32	0.171	22.12	0.163	22.22	0.167
10	64QAM	1	49	22.20	0.166	21.93	0.156	22.01	0.159
10	64QAM	25	0	21.10	0.129	21.22	0.132	21.07	0.128
10	64QAM	25	12	21.22	0.132	21.28	0.134	21.36	0.137
10	64QAM	25	25	21.13	0.130	21.27	0.134	21.24	0.133
10	64QAM	50	0	21.24	0.133	21.34	0.136	21.28	0.134



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20775		21100		21425	
Frequency (MHz)				2502.5		2535		2567.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	22.79	0.190	23.16	0.207	22.97	0.198
5	QPSK	1	12	23.08	0.203	22.94	0.197	23.02	0.200
5	QPSK	1	24	23.07	0.203	23.02	0.200	23.03	0.201
5	QPSK	12	0	22.11	0.163	22.32	0.171	22.10	0.162
5	QPSK	12	7	22.29	0.169	22.20	0.166	22.11	0.163
5	QPSK	12	13	22.21	0.166	22.23	0.167	22.27	0.169
5	QPSK	25	0	22.10	0.162	22.31	0.170	22.22	0.167
5	16QAM	1	0	21.90	0.155	22.33	0.171	22.23	0.167
5	16QAM	1	12	22.15	0.164	22.12	0.163	22.16	0.164
5	16QAM	1	24	22.23	0.167	22.14	0.164	22.21	0.166
5	16QAM	12	0	21.11	0.129	21.17	0.131	20.98	0.125
5	16QAM	12	7	21.09	0.129	21.13	0.130	21.08	0.128
5	16QAM	12	13	21.15	0.130	21.14	0.130	20.98	0.125
5	16QAM	25	0	21.18	0.131	21.21	0.132	21.08	0.128
5	64QAM	1	0	22.09	0.162	21.85	0.153	21.97	0.157
5	64QAM	1	12	22.23	0.167	22.33	0.171	22.13	0.163
5	64QAM	1	24	22.11	0.163	21.84	0.153	21.92	0.156
5	64QAM	12	0	21.01	0.126	21.13	0.130	20.98	0.125
5	64QAM	12	7	21.13	0.130	21.19	0.132	21.27	0.134
5	64QAM	12	13	21.04	0.127	21.18	0.131	21.15	0.130
5	64QAM	25	0	21.15	0.130	21.25	0.133	21.19	0.132



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	18.55	0.072	18.69	0.074	18.60	0.072
10	QPSK	1	25	18.62	0.073	18.56	0.072	18.47	0.070
10	QPSK	1	49	18.53	0.071	18.65	0.073	18.57	0.072
10	QPSK	25	0	17.57	0.057	17.62	0.058	17.56	0.057
10	QPSK	25	12	17.51	0.056	17.59	0.057	17.56	0.057
10	QPSK	25	25	17.60	0.058	17.57	0.057	17.43	0.055
10	QPSK	50	0	17.48	0.056	17.53	0.057	17.41	0.055
10	16QAM	1	0	17.97	0.063	18.05	0.064	17.99	0.063
10	16QAM	1	25	17.92	0.062	18.01	0.063	18.00	0.063
10	16QAM	1	49	17.90	0.062	18.00	0.063	18.02	0.063
10	16QAM	25	0	16.56	0.045	16.63	0.046	16.58	0.045
10	16QAM	25	12	16.43	0.044	16.62	0.046	16.53	0.045
10	16QAM	25	25	16.57	0.045	16.55	0.045	16.45	0.044
10	16QAM	50	0	16.70	0.047	16.60	0.046	16.67	0.046
10	64QAM	1	0	17.65	0.058	17.90	0.062	17.61	0.058
10	64QAM	1	25	17.79	0.060	17.78	0.060	17.51	0.056
10	64QAM	1	49	17.53	0.057	17.83	0.061	17.71	0.059
10	64QAM	25	0	16.52	0.045	16.76	0.047	16.65	0.046
10	64QAM	25	12	16.53	0.045	16.65	0.046	16.73	0.047
10	64QAM	25	25	16.45	0.044	16.70	0.047	16.72	0.047
10	64QAM	50	0	16.75	0.047	16.79	0.048	16.80	0.048



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	18.53	0.071	18.67	0.074	18.58	0.072
5	QPSK	1	12	18.60	0.072	18.54	0.071	18.45	0.070
5	QPSK	1	24	18.51	0.071	18.63	0.073	18.55	0.072
5	QPSK	12	0	17.55	0.057	17.60	0.058	17.54	0.057
5	QPSK	12	7	17.49	0.056	17.57	0.057	17.54	0.057
5	QPSK	12	13	17.58	0.057	17.55	0.057	17.41	0.055
5	QPSK	25	0	17.46	0.056	17.51	0.056	17.39	0.055
5	16QAM	1	0	17.95	0.062	18.03	0.064	17.97	0.063
5	16QAM	1	12	17.90	0.062	17.99	0.063	17.98	0.063
5	16QAM	1	24	17.88	0.061	17.98	0.063	18.00	0.063
5	16QAM	12	0	16.54	0.045	16.61	0.046	16.56	0.045
5	16QAM	12	7	16.41	0.044	16.60	0.046	16.51	0.045
5	16QAM	12	13	16.55	0.045	16.53	0.045	16.43	0.044
5	16QAM	25	0	16.68	0.047	16.58	0.045	16.65	0.046
5	64QAM	1	0	17.63	0.058	17.88	0.061	17.59	0.057
5	64QAM	1	12	17.77	0.060	17.76	0.060	17.49	0.056
5	64QAM	1	24	17.51	0.056	17.81	0.060	17.69	0.059
5	64QAM	12	0	16.50	0.045	16.74	0.047	16.63	0.046
5	64QAM	12	7	16.51	0.045	16.63	0.046	16.71	0.047
5	64QAM	12	13	16.43	0.044	16.68	0.047	16.70	0.047
5	64QAM	25	0	16.73	0.047	16.77	0.048	16.78	0.048



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	18.56	0.072	18.66	0.073	18.59	0.072
3	QPSK	1	8	18.63	0.073	18.53	0.071	18.46	0.070
3	QPSK	1	14	18.54	0.071	18.62	0.073	18.56	0.072
3	QPSK	8	0	17.58	0.057	17.59	0.057	17.55	0.057
3	QPSK	8	4	17.52	0.056	17.56	0.057	17.55	0.057
3	QPSK	8	7	17.61	0.058	17.54	0.057	17.42	0.055
3	QPSK	15	0	17.49	0.056	17.50	0.056	17.40	0.055
3	16QAM	1	0	17.98	0.063	18.02	0.063	17.98	0.063
3	16QAM	1	8	17.93	0.062	17.98	0.063	17.99	0.063
3	16QAM	1	14	17.91	0.062	17.97	0.063	18.01	0.063
3	16QAM	8	0	16.57	0.045	16.60	0.046	16.57	0.045
3	16QAM	8	4	16.44	0.044	16.59	0.046	16.52	0.045
3	16QAM	8	7	16.58	0.045	16.52	0.045	16.44	0.044
3	16QAM	15	0	16.71	0.047	16.57	0.045	16.66	0.046
3	64QAM	1	0	17.66	0.058	17.87	0.061	17.60	0.058
3	64QAM	1	8	17.80	0.060	17.75	0.060	17.50	0.056
3	64QAM	1	14	17.54	0.057	17.80	0.060	17.70	0.059
3	64QAM	8	0	16.53	0.045	16.73	0.047	16.64	0.046
3	64QAM	8	4	16.54	0.045	16.62	0.046	16.72	0.047
3	64QAM	8	7	16.46	0.044	16.67	0.046	16.71	0.047
3	64QAM	15	0	16.76	0.047	16.76	0.047	16.79	0.048



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	18.50	0.071	18.65	0.073	18.64	0.073
1.4	QPSK	1	3	18.57	0.072	18.52	0.071	18.51	0.071
1.4	QPSK	1	5	18.48	0.070	18.61	0.073	18.61	0.073
1.4	QPSK	3	0	17.52	0.056	17.58	0.057	17.60	0.058
1.4	QPSK	3	1	17.46	0.056	17.55	0.057	17.60	0.058
1.4	QPSK	3	3	17.55	0.057	17.53	0.057	17.47	0.056
1.4	QPSK	6	0	17.43	0.055	17.49	0.056	17.45	0.056
1.4	16QAM	1	0	17.92	0.062	18.01	0.063	18.03	0.064
1.4	16QAM	1	3	17.87	0.061	17.97	0.063	18.04	0.064
1.4	16QAM	1	5	17.85	0.061	17.96	0.063	18.06	0.064
1.4	16QAM	3	0	16.51	0.045	16.59	0.046	16.62	0.046
1.4	16QAM	3	1	16.38	0.043	16.58	0.045	16.57	0.045
1.4	16QAM	3	3	16.52	0.045	16.51	0.045	16.49	0.045
1.4	16QAM	6	0	16.65	0.046	16.56	0.045	16.71	0.047
1.4	64QAM	1	0	17.60	0.058	17.86	0.061	17.65	0.058
1.4	64QAM	1	3	17.74	0.059	17.74	0.059	17.55	0.057
1.4	64QAM	1	5	17.48	0.056	17.79	0.060	17.75	0.060
1.4	64QAM	3	0	16.47	0.044	16.72	0.047	16.69	0.047
1.4	64QAM	3	1	16.48	0.044	16.61	0.046	16.77	0.048
1.4	64QAM	3	3	16.40	0.044	16.66	0.046	16.76	0.047
1.4	64QAM	6	0	16.70	0.047	16.75	0.047	16.84	0.048



LTE Band 17				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23780		23790		23800	
Frequency (MHz)				709		710		711	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	18.70	0.074	18.76	0.075	18.69	0.074
10	QPSK	1	25	18.52	0.071	18.62	0.073	18.61	0.073
10	QPSK	1	49	18.62	0.073	18.75	0.075	18.46	0.070
10	QPSK	25	0	17.55	0.057	17.68	0.059	17.59	0.057
10	QPSK	25	12	17.44	0.055	17.55	0.057	17.56	0.057
10	QPSK	25	25	17.52	0.056	17.61	0.058	17.66	0.058
10	QPSK	50	0	17.60	0.058	17.63	0.058	17.54	0.057
10	16QAM	1	0	18.09	0.064	18.11	0.065	18.00	0.063
10	16QAM	1	25	18.09	0.064	17.86	0.061	17.79	0.060
10	16QAM	1	49	17.93	0.062	17.89	0.062	17.75	0.060
10	16QAM	25	0	16.62	0.046	16.69	0.047	16.61	0.046
10	16QAM	25	12	16.74	0.047	16.50	0.045	16.50	0.045
10	16QAM	25	25	16.58	0.045	16.59	0.046	16.72	0.047
10	16QAM	50	0	16.56	0.045	16.60	0.046	16.68	0.047
10	64QAM	1	0	17.50	0.056	17.93	0.062	17.89	0.062
10	64QAM	1	25	17.85	0.061	17.78	0.060	17.91	0.062
10	64QAM	1	49	17.89	0.062	17.76	0.060	17.75	0.060
10	64QAM	25	0	16.80	0.048	16.68	0.047	16.75	0.047
10	64QAM	25	12	16.64	0.046	16.54	0.045	16.60	0.046
10	64QAM	25	25	16.93	0.049	16.98	0.050	16.82	0.048
10	64QAM	50	0	16.56	0.045	16.58	0.045	16.61	0.046



LTE Band 17				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23755		23790		23825	
Frequency (MHz)				706.5		710		713.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	18.61	0.073	18.68	0.074	18.60	0.072
5	QPSK	1	12	18.43	0.070	18.54	0.071	18.52	0.071
5	QPSK	1	24	18.53	0.071	18.67	0.074	18.37	0.069
5	QPSK	12	0	17.46	0.056	17.60	0.058	17.50	0.056
5	QPSK	12	7	17.35	0.054	17.47	0.056	17.47	0.056
5	QPSK	12	13	17.43	0.055	17.53	0.057	17.57	0.057
5	QPSK	25	0	17.51	0.056	17.55	0.057	17.45	0.056
5	16QAM	1	0	18.00	0.063	18.03	0.064	17.91	0.062
5	16QAM	1	12	18.00	0.063	17.78	0.060	17.70	0.059
5	16QAM	1	24	17.84	0.061	17.81	0.060	17.66	0.058
5	16QAM	12	0	16.53	0.045	16.61	0.046	16.52	0.045
5	16QAM	12	7	16.65	0.046	16.42	0.044	16.41	0.044
5	16QAM	12	13	16.49	0.045	16.51	0.045	16.63	0.046
5	16QAM	25	0	16.47	0.044	16.52	0.045	16.59	0.046
5	64QAM	1	0	17.41	0.055	17.85	0.061	17.80	0.060
5	64QAM	1	12	17.76	0.060	17.70	0.059	17.82	0.061
5	64QAM	1	24	17.80	0.060	17.68	0.059	17.66	0.058
5	64QAM	12	0	16.71	0.047	16.60	0.046	16.66	0.046
5	64QAM	12	7	16.55	0.045	16.46	0.044	16.51	0.045
5	64QAM	12	13	16.84	0.048	16.90	0.049	16.73	0.047
5	64QAM	25	0	16.47	0.044	16.50	0.045	16.52	0.045



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	19.87	0.097	19.93	0.098	19.90	0.098
20	QPSK	1	49	19.82	0.096	19.81	0.096	19.77	0.095
20	QPSK	1	99	19.80	0.095	19.71	0.094	19.84	0.096
20	QPSK	50	0	18.82	0.076	18.84	0.077	18.83	0.076
20	QPSK	50	24	18.69	0.074	18.80	0.076	18.71	0.074
20	QPSK	50	50	18.74	0.075	18.77	0.075	18.56	0.072
20	QPSK	100	0	18.81	0.076	18.78	0.076	18.65	0.073
20	16QAM	1	0	19.17	0.083	19.28	0.085	19.16	0.082
20	16QAM	1	49	19.21	0.083	19.09	0.081	19.20	0.083
20	16QAM	1	99	19.03	0.080	19.04	0.080	18.95	0.079
20	16QAM	50	0	18.08	0.064	18.05	0.064	18.05	0.064
20	16QAM	50	24	17.93	0.062	18.07	0.064	18.10	0.065
20	16QAM	50	50	18.06	0.064	18.01	0.063	17.98	0.063
20	16QAM	100	0	17.84	0.061	17.98	0.063	17.80	0.060
20	64QAM	1	0	18.86	0.077	19.14	0.082	18.76	0.075
20	64QAM	1	49	18.94	0.078	19.12	0.082	19.03	0.080
20	64QAM	1	99	19.02	0.080	18.85	0.077	19.12	0.082
20	64QAM	50	0	17.99	0.063	17.97	0.063	17.98	0.063
20	64QAM	50	24	18.10	0.065	18.05	0.064	18.00	0.063
20	64QAM	50	50	17.84	0.061	17.93	0.062	17.88	0.061
20	64QAM	100	0	17.94	0.062	17.93	0.062	17.87	0.061



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	19.78	0.095	19.84	0.096	19.81	0.096
15	QPSK	1	37	19.73	0.094	19.72	0.094	19.68	0.093
15	QPSK	1	74	19.71	0.094	19.62	0.092	19.75	0.094
15	QPSK	36	0	18.73	0.075	18.75	0.075	18.74	0.075
15	QPSK	36	20	18.60	0.072	18.71	0.074	18.62	0.073
15	QPSK	36	39	18.65	0.073	18.68	0.074	18.47	0.070
15	QPSK	75	0	18.72	0.074	18.69	0.074	18.56	0.072
15	16QAM	1	0	19.08	0.081	19.19	0.083	19.07	0.081
15	16QAM	1	37	19.12	0.082	19.00	0.079	19.11	0.081
15	16QAM	1	74	18.94	0.078	18.95	0.079	18.86	0.077
15	16QAM	36	0	17.99	0.063	17.96	0.063	17.96	0.063
15	16QAM	36	20	17.84	0.061	17.98	0.063	18.01	0.063
15	16QAM	36	39	17.97	0.063	17.92	0.062	17.89	0.062
15	16QAM	75	0	17.75	0.060	17.89	0.062	17.71	0.059
15	64QAM	1	0	18.77	0.075	19.05	0.080	18.67	0.074
15	64QAM	1	37	18.85	0.077	19.03	0.080	18.94	0.078
15	64QAM	1	74	18.93	0.078	18.76	0.075	19.03	0.080
15	64QAM	36	0	17.90	0.062	17.88	0.061	17.89	0.062
15	64QAM	36	20	18.01	0.063	17.96	0.063	17.91	0.062
15	64QAM	36	39	17.75	0.060	17.84	0.061	17.79	0.060
15	64QAM	75	0	17.85	0.061	17.84	0.061	17.78	0.060



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	19.76	0.095	19.88	0.097	19.85	0.097
10	QPSK	1	25	19.71	0.094	19.76	0.095	19.72	0.094
10	QPSK	1	49	19.69	0.093	19.66	0.092	19.79	0.095
10	QPSK	25	0	18.71	0.074	18.79	0.076	18.78	0.076
10	QPSK	25	12	18.58	0.072	18.75	0.075	18.66	0.073
10	QPSK	25	25	18.63	0.073	18.72	0.074	18.51	0.071
10	QPSK	50	0	18.70	0.074	18.73	0.075	18.60	0.072
10	16QAM	1	0	19.06	0.081	19.23	0.084	19.11	0.081
10	16QAM	1	25	19.10	0.081	19.04	0.080	19.15	0.082
10	16QAM	1	49	18.92	0.078	18.99	0.079	18.90	0.078
10	16QAM	25	0	17.97	0.063	18.00	0.063	18.00	0.063
10	16QAM	25	12	17.82	0.061	18.02	0.063	18.05	0.064
10	16QAM	25	25	17.95	0.062	17.96	0.063	17.93	0.062
10	16QAM	50	0	17.73	0.059	17.93	0.062	17.75	0.060
10	64QAM	1	0	18.75	0.075	19.09	0.081	18.71	0.074
10	64QAM	1	25	18.83	0.076	19.07	0.081	18.98	0.079
10	64QAM	1	49	18.91	0.078	18.80	0.076	19.07	0.081
10	64QAM	25	0	17.88	0.061	17.92	0.062	17.93	0.062
10	64QAM	25	12	17.99	0.063	18.00	0.063	17.95	0.062
10	64QAM	25	25	17.73	0.059	17.88	0.061	17.83	0.061
10	64QAM	50	0	17.83	0.061	17.88	0.061	17.82	0.061



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	19.81	0.096	19.89	0.097	19.84	0.096
5	QPSK	1	12	19.76	0.095	19.77	0.095	19.71	0.094
5	QPSK	1	24	19.74	0.094	19.67	0.093	19.78	0.095
5	QPSK	12	0	18.76	0.075	18.80	0.076	18.77	0.075
5	QPSK	12	7	18.63	0.073	18.76	0.075	18.65	0.073
5	QPSK	12	13	18.68	0.074	18.73	0.075	18.50	0.071
5	QPSK	25	0	18.75	0.075	18.74	0.075	18.59	0.072
5	16QAM	1	0	19.11	0.081	19.24	0.084	19.10	0.081
5	16QAM	1	12	19.15	0.082	19.05	0.080	19.14	0.082
5	16QAM	1	24	18.97	0.079	19.00	0.079	18.89	0.077
5	16QAM	12	0	18.02	0.063	18.01	0.063	17.99	0.063
5	16QAM	12	7	17.87	0.061	18.03	0.064	18.04	0.064
5	16QAM	12	13	18.00	0.063	17.97	0.063	17.92	0.062
5	16QAM	25	0	17.78	0.060	17.94	0.062	17.74	0.059
5	64QAM	1	0	18.80	0.076	19.10	0.081	18.70	0.074
5	64QAM	1	12	18.88	0.077	19.08	0.081	18.97	0.079
5	64QAM	1	24	18.96	0.079	18.81	0.076	19.06	0.081
5	64QAM	12	0	17.93	0.062	17.93	0.062	17.92	0.062
5	64QAM	12	7	18.04	0.064	18.01	0.063	17.94	0.062
5	64QAM	12	13	17.78	0.060	17.89	0.062	17.82	0.061
5	64QAM	25	0	17.88	0.061	17.89	0.062	17.81	0.060



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	19.80	0.095	19.87	0.097	19.84	0.096
3	QPSK	1	8	19.75	0.094	19.75	0.094	19.71	0.094
3	QPSK	1	14	19.73	0.094	19.65	0.092	19.78	0.095
3	QPSK	8	0	18.75	0.075	18.78	0.076	18.77	0.075
3	QPSK	8	4	18.62	0.073	18.74	0.075	18.65	0.073
3	QPSK	8	7	18.67	0.074	18.71	0.074	18.50	0.071
3	QPSK	15	0	18.74	0.075	18.72	0.074	18.59	0.072
3	16QAM	1	0	19.10	0.081	19.22	0.084	19.10	0.081
3	16QAM	1	8	19.14	0.082	19.03	0.080	19.14	0.082
3	16QAM	1	14	18.96	0.079	18.98	0.079	18.89	0.077
3	16QAM	8	0	18.01	0.063	17.99	0.063	17.99	0.063
3	16QAM	8	4	17.86	0.061	18.01	0.063	18.04	0.064
3	16QAM	8	7	17.99	0.063	17.95	0.062	17.92	0.062
3	16QAM	15	0	17.77	0.060	17.92	0.062	17.74	0.059
3	64QAM	1	0	18.79	0.076	19.08	0.081	18.70	0.074
3	64QAM	1	8	18.87	0.077	19.06	0.081	18.97	0.079
3	64QAM	1	14	18.95	0.079	18.79	0.076	19.06	0.081
3	64QAM	8	0	17.92	0.062	17.91	0.062	17.92	0.062
3	64QAM	8	4	18.03	0.064	17.99	0.063	17.94	0.062
3	64QAM	8	7	17.77	0.060	17.87	0.061	17.82	0.061
3	64QAM	15	0	17.87	0.061	17.87	0.061	17.81	0.060



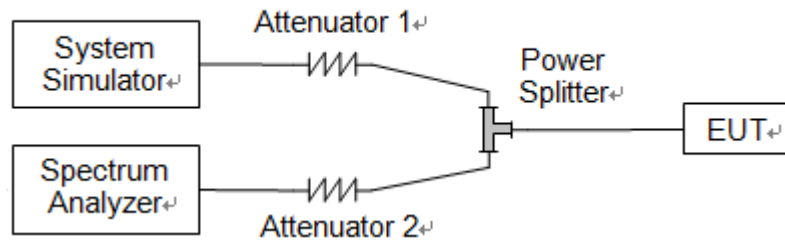
LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131979		132322		132665	
Frequency (MHz)				1710.7		1745		1779.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	19.77	0.095	19.83	0.096	19.80	0.095
1.4	QPSK	1	3	19.72	0.094	19.71	0.094	19.67	0.093
1.4	QPSK	1	5	19.70	0.093	19.61	0.091	19.74	0.094
1.4	QPSK	3	0	18.72	0.074	18.74	0.075	18.73	0.075
1.4	QPSK	3	1	18.59	0.072	18.70	0.074	18.61	0.073
1.4	QPSK	3	3	18.64	0.073	18.67	0.074	18.46	0.070
1.4	QPSK	6	0	18.71	0.074	18.68	0.074	18.55	0.072
1.4	16QAM	1	0	19.07	0.081	19.18	0.083	19.06	0.081
1.4	16QAM	1	3	19.11	0.081	18.99	0.079	19.10	0.081
1.4	16QAM	1	5	18.93	0.078	18.94	0.078	18.85	0.077
1.4	16QAM	3	0	17.98	0.063	17.95	0.062	17.95	0.062
1.4	16QAM	3	1	17.83	0.061	17.97	0.063	18.00	0.063
1.4	16QAM	3	3	17.96	0.063	17.91	0.062	17.88	0.061
1.4	16QAM	6	0	17.74	0.059	17.88	0.061	17.70	0.059
1.4	64QAM	1	0	18.76	0.075	19.04	0.080	18.66	0.073
1.4	64QAM	1	3	18.84	0.077	19.02	0.080	18.93	0.078
1.4	64QAM	1	5	18.92	0.078	18.75	0.075	19.02	0.080
1.4	64QAM	3	0	17.89	0.062	17.87	0.061	17.88	0.061
1.4	64QAM	3	1	18.00	0.063	17.95	0.062	17.90	0.062
1.4	64QAM	3	3	17.74	0.059	17.83	0.061	17.78	0.060
1.4	64QAM	6	0	17.84	0.061	17.83	0.061	17.77	0.060

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	1.23
	Low	16QAM	1.10	1.25
	Low	64QAM	1.09	1.25
	Mid	QPSK	1.09	1.24
	Mid	16QAM	1.10	1.25
	Mid	64QAM	1.10	1.25
	High	QPSK	1.09	1.24
	High	16QAM	1.10	1.25
	High	64QAM	1.10	1.25
3	Low	QPSK	2.71	3.05
	Low	16QAM	2.71	3.05
	Low	64QAM	2.72	3.05
	Mid	QPSK	2.71	3.05
	Mid	16QAM	2.71	3.05
	Mid	64QAM	2.72	3.05
	High	QPSK	2.71	3.04
	High	16QAM	2.71	3.06
	High	64QAM	2.71	3.07
5	Low	QPSK	4.50	4.96
	Low	16QAM	4.50	5.00
	Low	64QAM	4.49	4.95
	Mid	QPSK	4.50	4.97
	Mid	16QAM	4.49	4.99
	Mid	64QAM	4.49	4.93
	High	QPSK	4.50	4.98
	High	16QAM	4.50	5.00
	High	64QAM	4.50	4.96
10	Low	QPSK	9.01	9.91
	Low	16QAM	8.97	9.86
	Low	64QAM	9.01	9.82
	Mid	QPSK	9.02	9.88
	Mid	16QAM	8.97	9.86
	Mid	64QAM	8.99	9.92
	High	QPSK	9.00	9.85
	High	16QAM	8.99	9.78
	High	64QAM	8.99	9.92



15	Low	QPSK	13.48	14.99
	Low	16QAM	13.50	14.93
	Low	64QAM	13.49	14.91
	Mid	QPSK	13.46	14.86
	Mid	16QAM	13.47	14.93
	Mid	64QAM	13.49	14.83
	High	QPSK	13.44	14.87
	High	16QAM	13.47	14.98
	High	64QAM	13.47	14.95
20	Low	QPSK	18.01	19.78
	Low	16QAM	18.04	19.87
	Low	64QAM	18.02	19.68
	Mid	QPSK	17.97	19.81
	Mid	16QAM	17.96	19.74
	Mid	64QAM	18.00	19.71
	High	QPSK	17.99	19.73
	High	16QAM	18.02	19.75
	High	64QAM	17.99	19.58



LTE Band 4				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.25
	Low	16QAM	1.10	1.25
	Low	64QAM	1.09	1.25
	Mid	QPSK	1.10	1.25
	Mid	16QAM	1.10	1.25
	Mid	64QAM	1.10	1.24
	High	QPSK	1.10	1.25
	High	16QAM	1.10	1.24
	High	64QAM	1.10	1.25
3	Low	QPSK	2.71	3.03
	Low	16QAM	2.71	3.06
	Low	64QAM	2.72	3.04
	Mid	QPSK	2.72	3.05
	Mid	16QAM	2.72	3.04
	Mid	64QAM	2.72	3.04
	High	QPSK	2.72	3.07
	High	16QAM	2.72	3.05
	High	64QAM	2.73	3.06
5	Low	QPSK	4.50	4.96
	Low	16QAM	4.50	4.99
	Low	64QAM	4.49	4.95
	Mid	QPSK	4.50	4.96
	Mid	16QAM	4.50	4.99
	Mid	64QAM	4.49	4.96
	High	QPSK	4.50	4.98
	High	16QAM	4.50	4.99
	High	64QAM	4.49	4.98
10	Low	QPSK	9.02	9.89
	Low	16QAM	8.99	9.80
	Low	64QAM	9.00	9.85
	Mid	QPSK	9.00	9.87
	Mid	16QAM	8.97	9.86
	Mid	64QAM	9.01	9.84
	High	QPSK	9.02	9.91
	High	16QAM	8.96	9.85
	High	64QAM	8.99	9.83



15	Low	QPSK	13.47	14.81
	Low	16QAM	13.48	14.99
	Low	64QAM	13.49	14.88
	Mid	QPSK	13.47	14.97
	Mid	16QAM	13.48	14.94
	Mid	64QAM	13.50	14.85
	High	QPSK	13.50	14.83
	High	16QAM	13.49	14.95
	High	64QAM	13.48	14.98
20	Low	QPSK	18.00	19.74
	Low	16QAM	18.00	19.71
	Low	64QAM	18.01	19.81
	Mid	QPSK	17.97	19.74
	Mid	16QAM	18.06	19.68
	Mid	64QAM	17.99	19.68
	High	QPSK	17.99	19.77
	High	16QAM	18.03	19.75
	High	64QAM	17.98	19.67



LTE Band 5				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.25
	Low	16QAM	1.09	1.25
	Low	64QAM	1.10	1.25
	Mid	QPSK	1.10	1.24
	Mid	16QAM	1.09	1.25
	Mid	64QAM	1.10	1.26
	High	QPSK	1.10	1.24
	High	16QAM	1.10	1.25
	High	64QAM	1.10	1.25
3	Low	QPSK	2.72	3.05
	Low	16QAM	2.71	3.06
	Low	64QAM	2.72	3.06
	Mid	QPSK	2.72	3.04
	Mid	16QAM	2.71	3.05
	Mid	64QAM	2.72	3.06
	High	QPSK	2.72	3.05
	High	16QAM	2.71	3.06
	High	64QAM	2.72	3.06
5	Low	QPSK	4.50	4.96
	Low	16QAM	4.50	4.92
	Low	64QAM	4.49	4.95
	Mid	QPSK	4.51	4.96
	Mid	16QAM	4.50	4.99
	Mid	64QAM	4.49	4.96
	High	QPSK	4.50	4.97
	High	16QAM	4.50	4.99
	High	64QAM	4.49	4.95
10	Low	QPSK	9.02	9.91
	Low	16QAM	8.97	9.80
	Low	64QAM	8.99	9.83
	Mid	QPSK	9.00	9.91
	Mid	16QAM	8.97	9.86
	Mid	64QAM	8.99	9.89
	High	QPSK	8.99	9.79
	High	16QAM	8.97	9.81
	High	64QAM	9.00	9.91



LTE Band 7				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.52	4.97
	Low	16QAM	4.51	5.00
	Low	64QAM	4.50	4.98
	Mid	QPSK	4.51	4.99
	Mid	16QAM	4.51	5.03
	Mid	64QAM	4.50	4.98
	High	QPSK	4.50	4.97
	High	16QAM	4.50	4.97
	High	64QAM	4.50	4.97
10	Low	QPSK	9.01	9.89
	Low	16QAM	8.98	9.86
	Low	64QAM	8.99	9.84
	Mid	QPSK	9.01	9.83
	Mid	16QAM	8.99	9.77
	Mid	64QAM	8.99	9.86
	High	QPSK	9.00	9.83
	High	16QAM	8.98	9.84
	High	64QAM	8.99	9.90
15	Low	QPSK	13.48	14.94
	Low	16QAM	13.50	14.78
	Low	64QAM	13.51	14.82
	Mid	QPSK	13.49	14.85
	Mid	16QAM	13.48	14.90
	Mid	64QAM	13.48	15.04
	High	QPSK	13.49	14.96
	High	16QAM	13.51	14.85
	High	64QAM	13.50	14.96
20	Low	QPSK	18.03	19.69
	Low	16QAM	18.04	19.87
	Low	64QAM	18.02	19.72
	Mid	QPSK	17.94	19.74
	Mid	16QAM	17.98	19.87
	Mid	64QAM	17.99	19.70
	High	QPSK	17.99	19.74
	High	16QAM	18.02	19.78
	High	64QAM	18.05	19.71



LTE Band 12				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.24
	Low	16QAM	1.10	1.24
	Low	64QAM	1.10	1.24
	Mid	QPSK	1.10	1.25
	Mid	16QAM	1.09	1.24
	Mid	64QAM	1.10	1.25
	High	QPSK	1.09	1.24
	High	16QAM	1.10	1.24
	High	64QAM	1.10	1.25
3	Low	QPSK	2.72	3.05
	Low	16QAM	2.72	3.06
	Low	64QAM	2.73	3.05
	Mid	QPSK	2.72	3.05
	Mid	16QAM	2.71	3.04
	Mid	64QAM	2.71	3.02
	High	QPSK	2.72	3.05
	High	16QAM	2.71	3.04
	High	64QAM	2.73	3.06
5	Low	QPSK	4.50	4.99
	Low	16QAM	4.50	4.98
	Low	64QAM	4.50	4.96
	Mid	QPSK	4.50	4.99
	Mid	16QAM	4.50	4.99
	Mid	64QAM	4.50	4.96
	High	QPSK	4.50	4.96
	High	16QAM	4.50	4.94
	High	64QAM	4.49	4.96
10	Low	QPSK	9.03	9.86
	Low	16QAM	8.98	9.83
	Low	64QAM	9.00	9.88
	Mid	QPSK	8.99	9.83
	Mid	16QAM	8.95	9.83
	Mid	64QAM	9.00	9.86
	High	QPSK	9.01	9.84
	High	16QAM	8.98	9.81
	High	64QAM	8.99	9.87



LTE Band 17				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.49	4.99
	Low	16QAM	4.50	5.00
	Low	64QAM	4.50	4.96
	Mid	QPSK	4.50	4.97
	Mid	16QAM	4.51	4.97
	Mid	64QAM	4.49	4.96
	High	QPSK	4.50	4.95
	High	16QAM	4.50	4.99
	High	64QAM	4.49	4.97
10	Low	QPSK	9.01	9.85
	Low	16QAM	8.98	9.85
	Low	64QAM	8.99	9.83
	Mid	QPSK	9.02	9.83
	Mid	16QAM	8.97	9.83
	Mid	64QAM	8.99	9.86
	High	QPSK	9.00	9.93
	High	16QAM	8.98	9.83
	High	64QAM	8.99	9.81



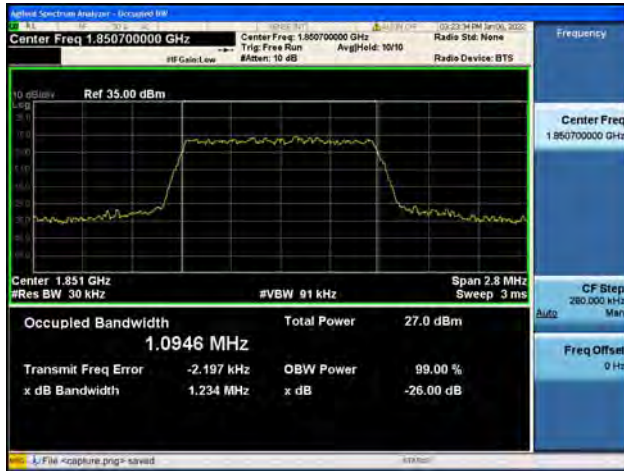
LTE Band 66				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.24
	Low	16QAM	1.10	1.24
	Low	64QAM	1.10	1.24
	Mid	QPSK	1.10	1.24
	Mid	16QAM	1.10	1.25
	Mid	64QAM	1.10	1.25
	High	QPSK	1.10	1.24
	High	16QAM	1.10	1.24
	High	64QAM	1.10	1.24
3	Low	QPSK	2.71	3.04
	Low	16QAM	2.72	3.05
	Low	64QAM	2.72	3.04
	Mid	QPSK	2.71	3.05
	Mid	16QAM	2.71	3.06
	Mid	64QAM	2.73	3.06
	High	QPSK	2.71	3.03
	High	16QAM	2.71	3.06
	High	64QAM	2.72	3.06
5	Low	QPSK	4.50	4.99
	Low	16QAM	4.49	4.97
	Low	64QAM	4.50	4.95
	Mid	QPSK	4.49	4.97
	Mid	16QAM	4.50	4.94
	Mid	64QAM	4.49	4.96
	High	QPSK	4.49	4.97
	High	16QAM	4.50	4.96
	High	64QAM	4.49	4.95
10	Low	QPSK	9.01	9.92
	Low	16QAM	8.97	9.86
	Low	64QAM	9.00	9.86
	Mid	QPSK	9.00	9.85
	Mid	16QAM	8.97	9.80
	Mid	64QAM	8.99	9.88
	High	QPSK	9.02	9.88
	High	16QAM	8.98	9.81
	High	64QAM	8.99	9.83



15	Low	QPSK	13.52	14.88
	Low	16QAM	13.46	15.09
	Low	64QAM	13.52	14.92
	Mid	QPSK	13.48	14.91
	Mid	16QAM	13.49	14.99
	Mid	64QAM	13.48	14.88
	High	QPSK	13.49	14.89
	High	16QAM	13.50	14.99
	High	64QAM	13.48	14.95
20	Low	QPSK	17.99	19.83
	Low	16QAM	18.04	19.68
	Low	64QAM	18.02	19.73
	Mid	QPSK	18.01	19.74
	Mid	16QAM	18.03	19.74
	Mid	64QAM	18.00	19.72
	High	QPSK	18.02	19.82
	High	16QAM	18.01	19.91
	High	64QAM	18.01	19.75



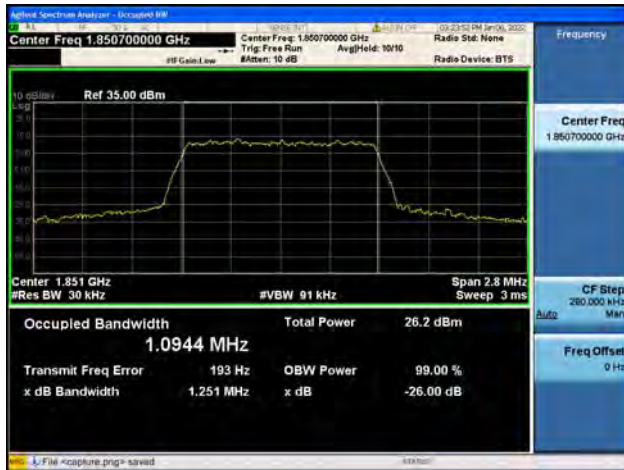
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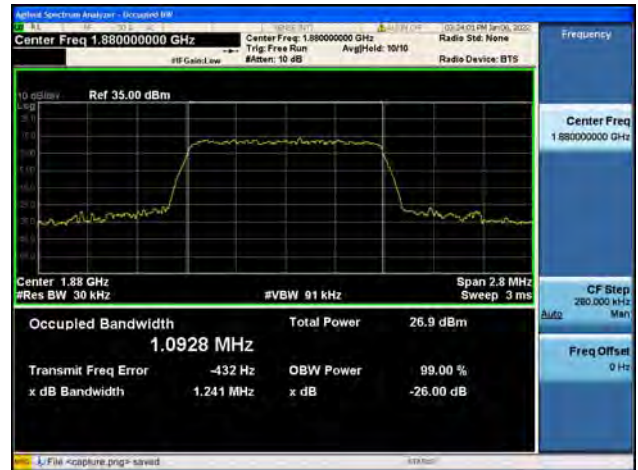
Band2 / 1.4MHz / Low CH / 16QAM



Band2 / 1.4MHz / Low CH / 64QAM



Band2 / 1.4MHz / Mid CH / QPSK



Band2 / 1.4MHz / Mid CH / 16QAM

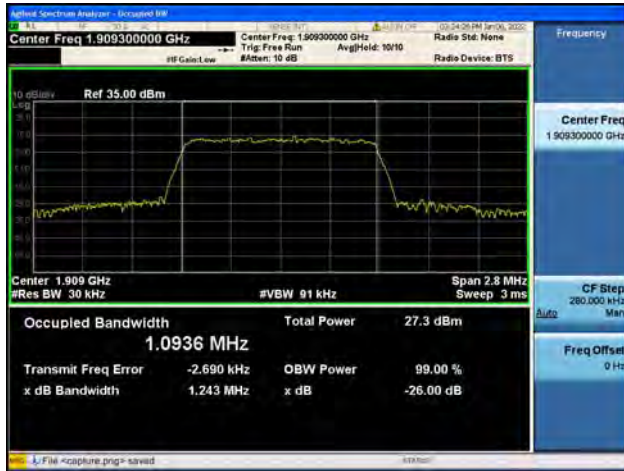


Band2 / 1.4MHz / Mid CH / 64QAM

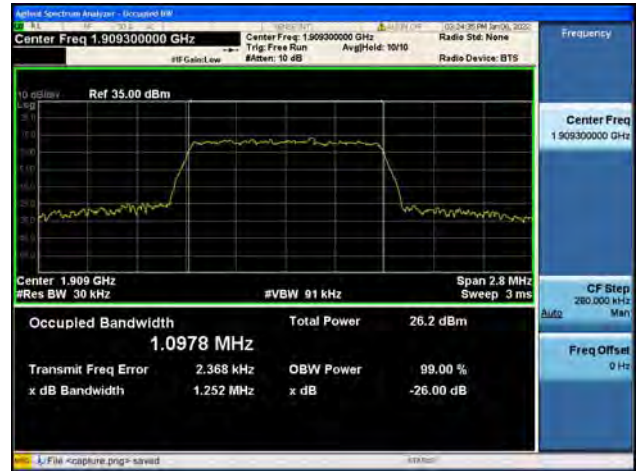




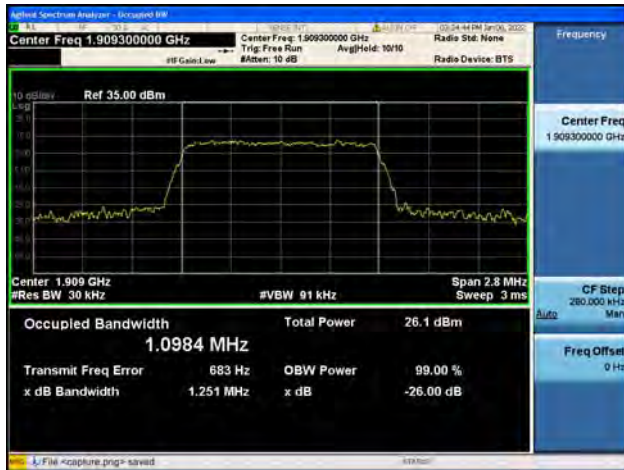
Band2 / 1.4MHz / High CH / QPSK



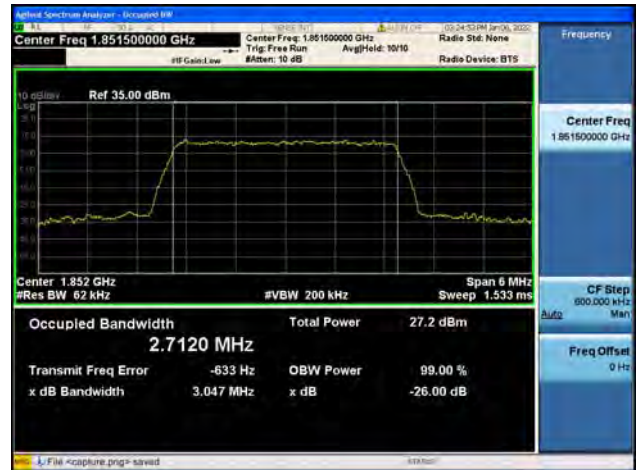
Band2 / 1.4MHz / High CH / 16QAM



Band2 / 1.4MHz / High CH / 64QAM



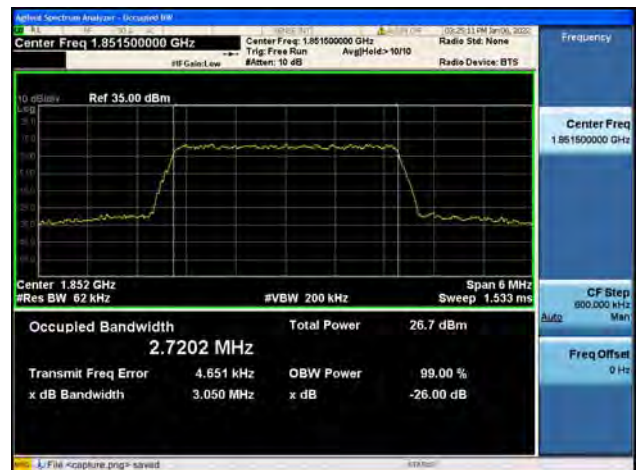
Band2 / 3MHz / Low CH / QPSK



Band2 / 3MHz / Low CH / 16QAM

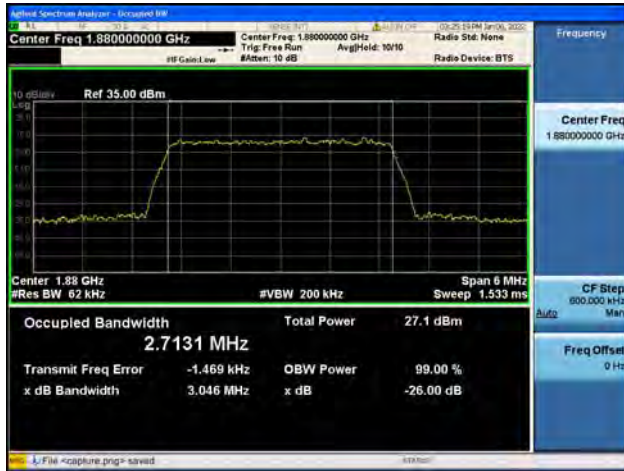


Band2 / 3MHz / Low CH / 64QAM

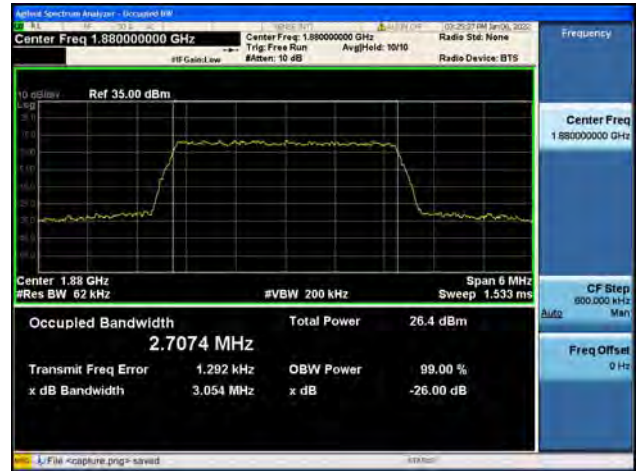




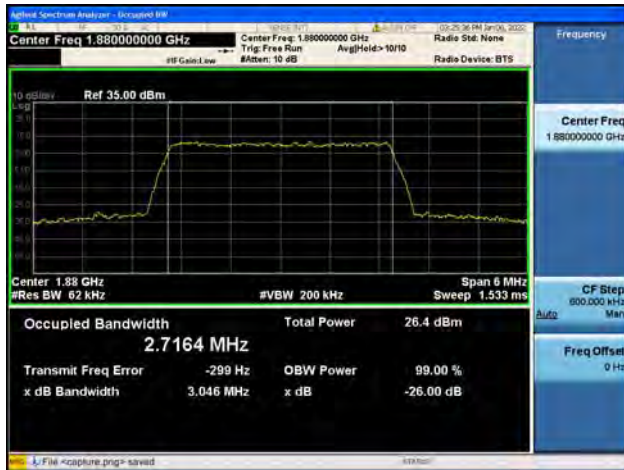
Band2 / 3MHz / Mid CH / QPSK



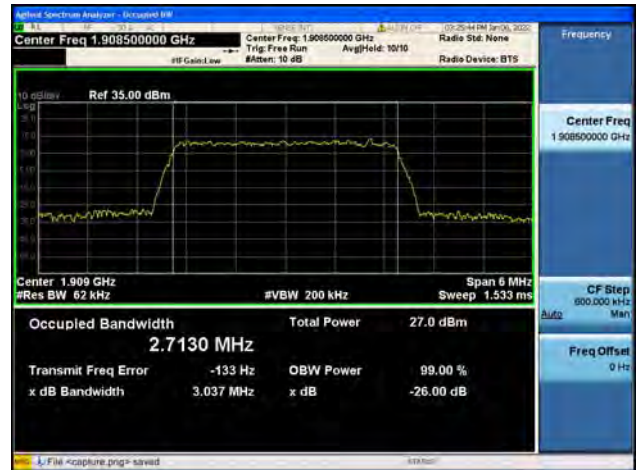
Band2 / 3MHz / Mid CH / 16QAM



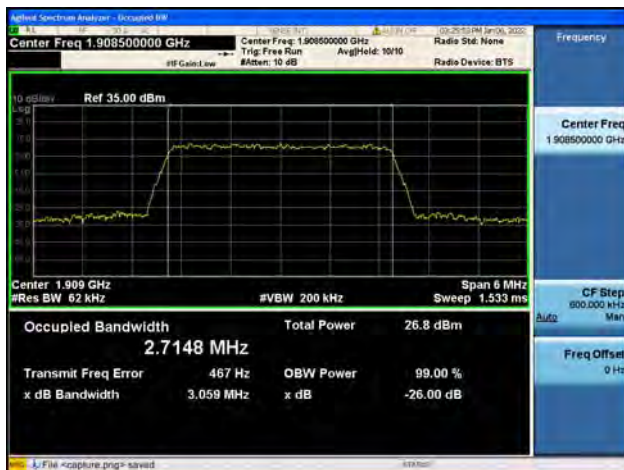
Band2 / 3MHz / Mid CH / 64QAM



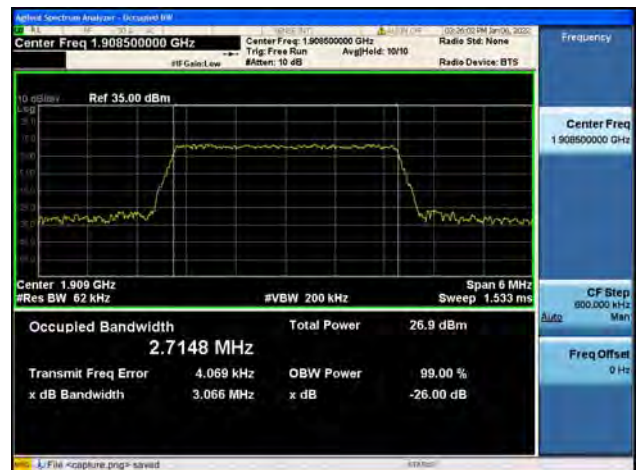
Band2 / 3MHz / High CH / QPSK



Band2 / 3MHz / High CH / 16QAM

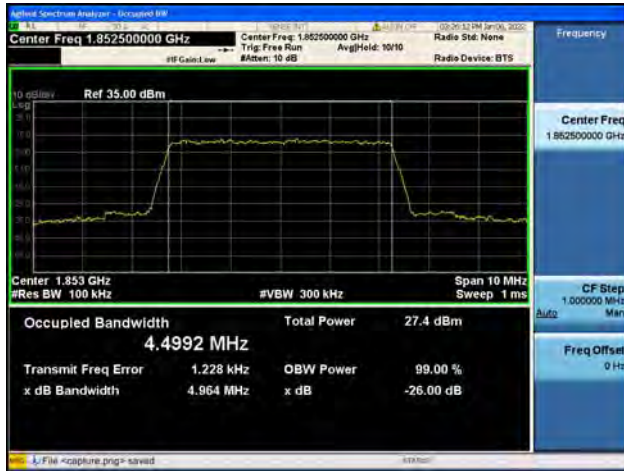


Band2 / 3MHz / High CH / 64QAM





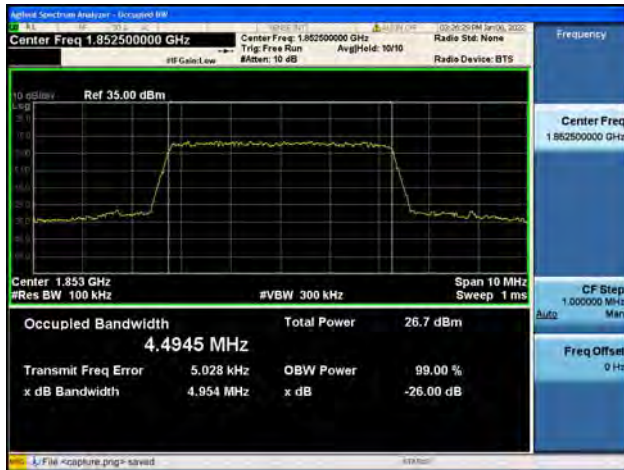
Band2 / 5MHz / Low CH / QPSK



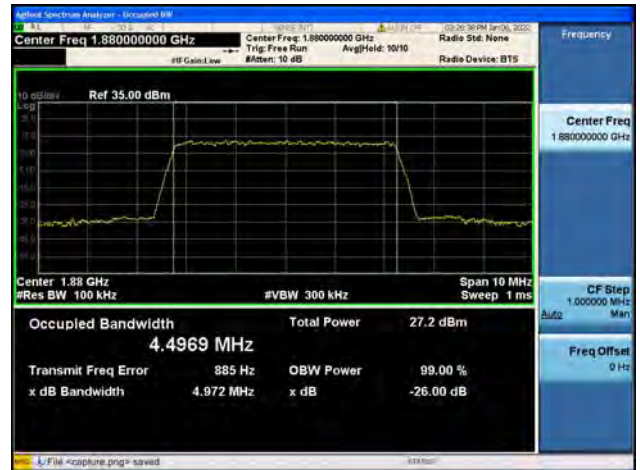
Band2 / 5MHz / Low CH / 16QAM



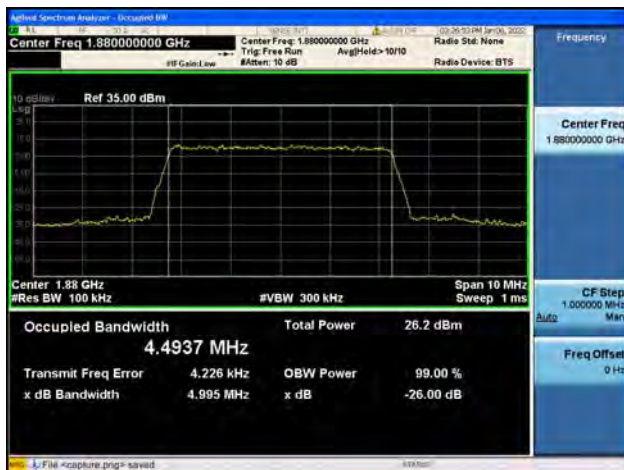
Band2 / 5MHz / Low CH / 64QAM



Band2 / 5MHz / Mid CH / QPSK



Band2 / 5MHz / Mid CH / 16QAM

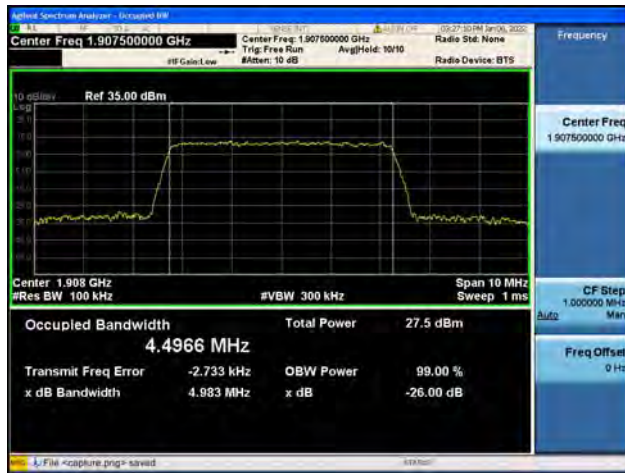


Band2 / 5MHz / Mid CH / 64QAM

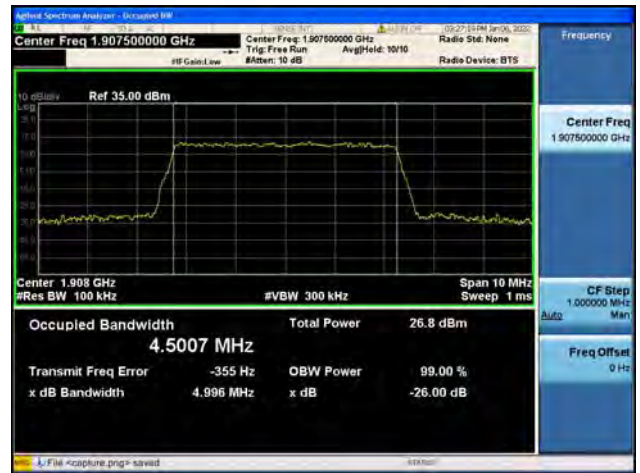




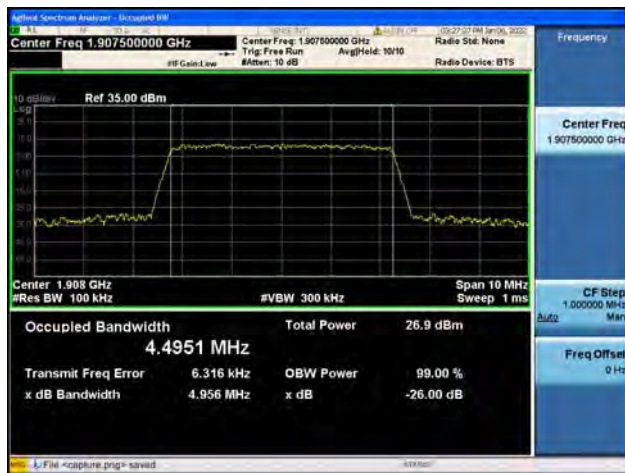
Band2 / 5MHz / High CH / QPSK



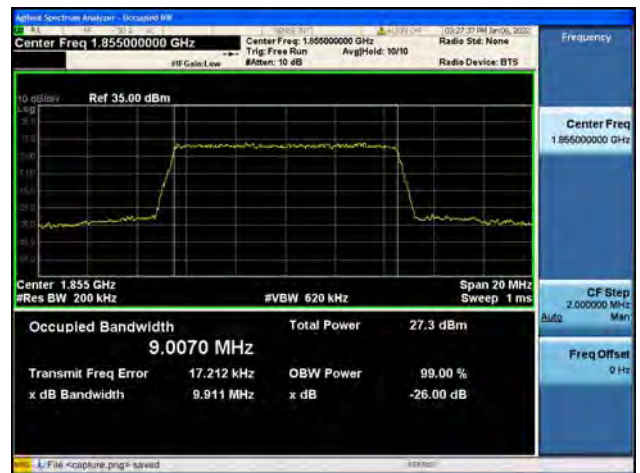
Band2 / 5MHz / High CH / 16QAM



Band2 / 5MHz / High CH / 64QAM



Band2 / 10MHz / Low CH / QPSK



Band2 / 10MHz / Low CH / 16QAM

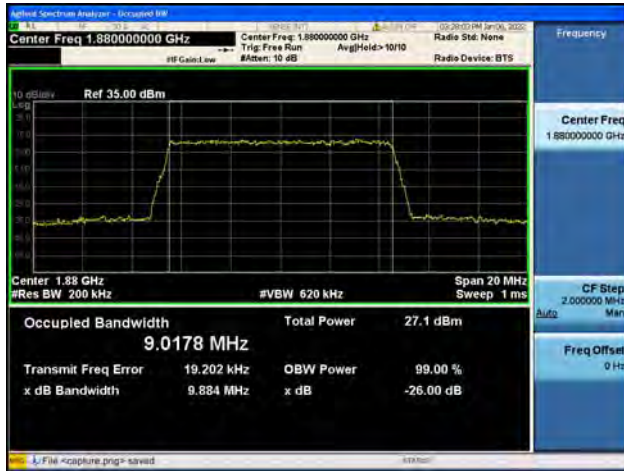


Band2 / 10MHz / Low CH / 64QAM





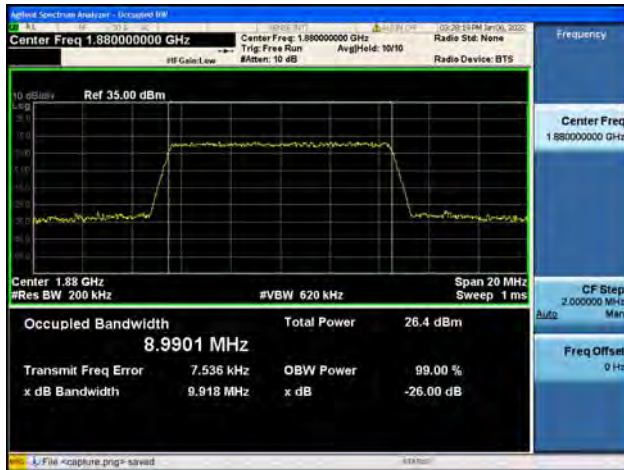
Band2 / 10MHz / Mid CH / QPSK



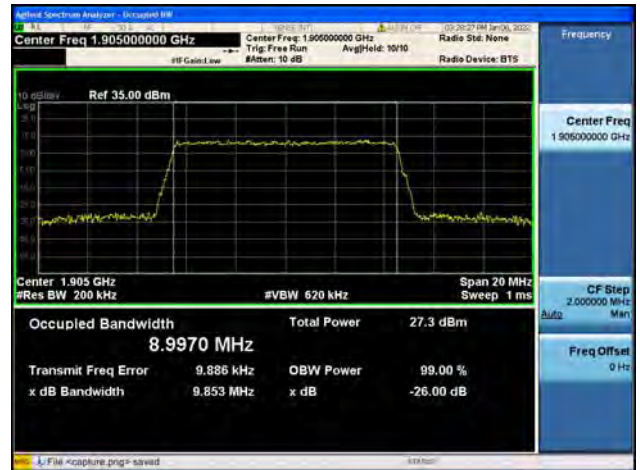
Band2 / 10MHz / Mid CH / 16QAM



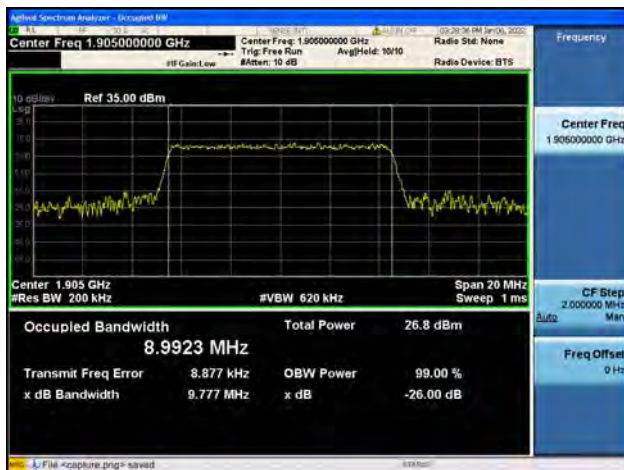
Band2 / 10MHz / Mid CH / 64QAM



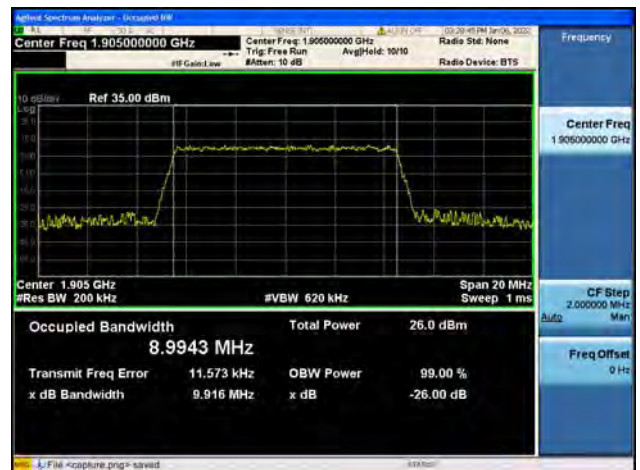
Band2 / 10MHz / High CH / QPSK



Band2 / 10MHz / High CH / 16QAM

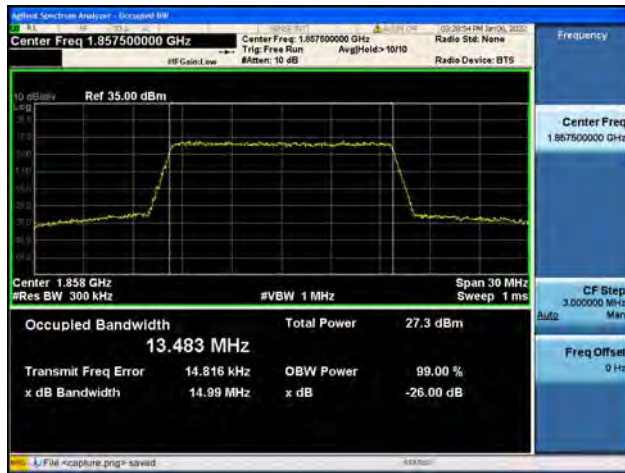


Band2 / 10MHz / High CH / 64QAM





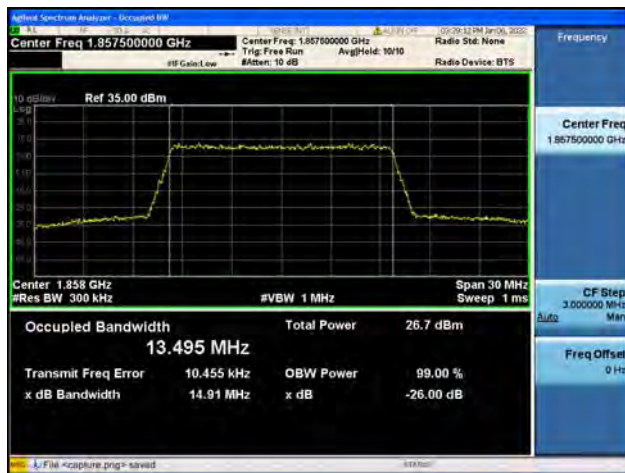
Band2 / 15MHz / Low CH / QPSK



Band2 / 15MHz / Low CH / 16QAM



Band2 / 15MHz / Low CH / 64QAM



Band2 / 15MHz / Mid CH / QPSK



Band2 / 15MHz / Mid CH / 16QAM

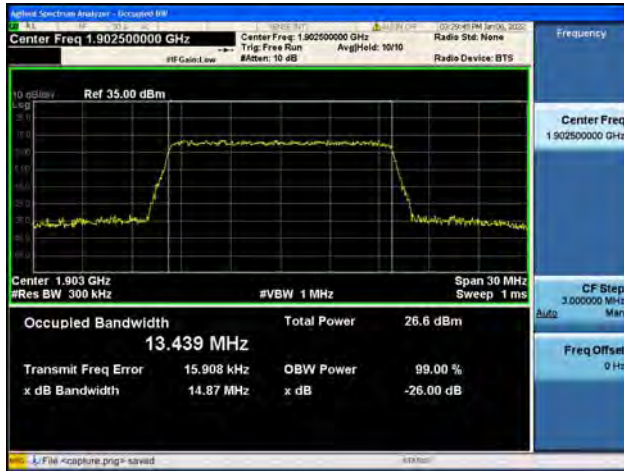


Band2 / 15MHz / Mid CH / 64QAM

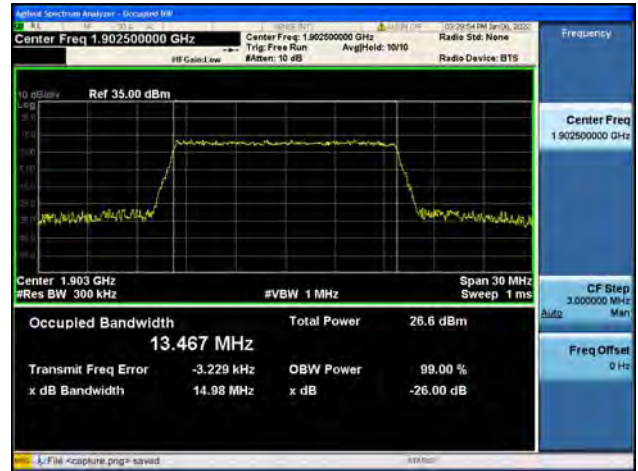




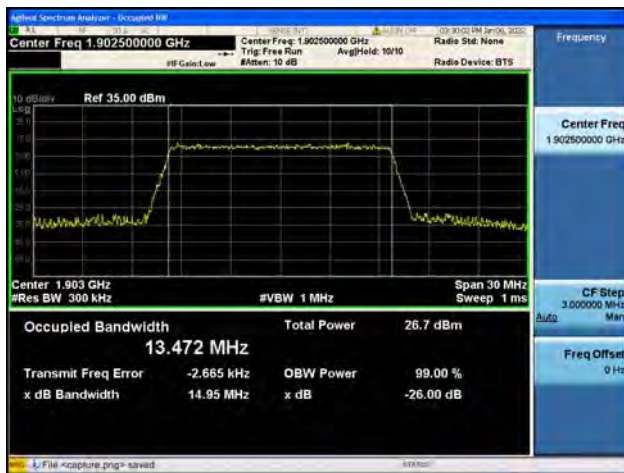
Band2 / 15MHz / High CH / QPSK



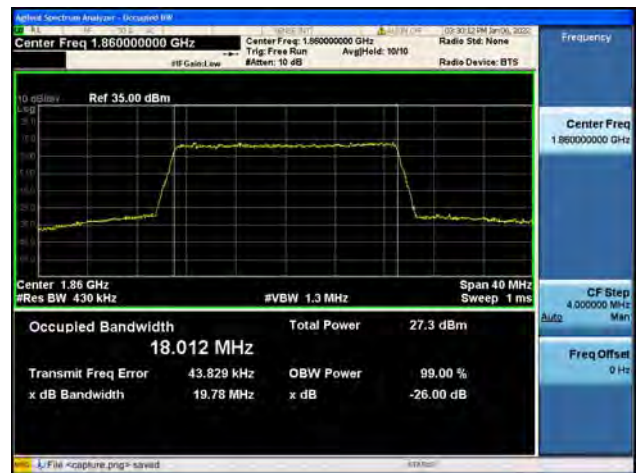
Band2 / 15MHz / High CH / 16QAM



Band2 / 15MHz / High CH / 64QAM



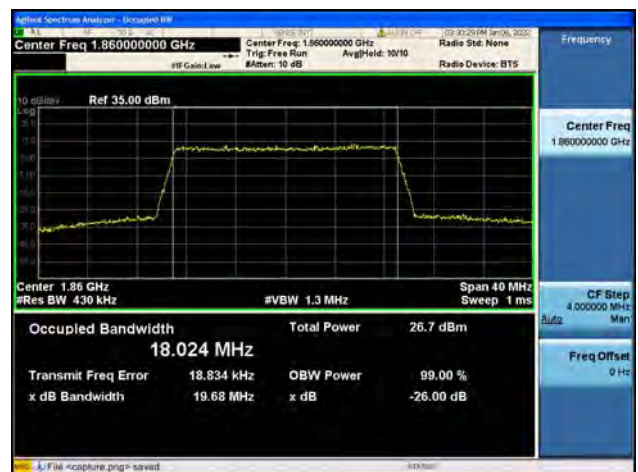
Band2 / 20MHz / Low CH / QPSK



Band2 / 20MHz / Low CH / 16QAM

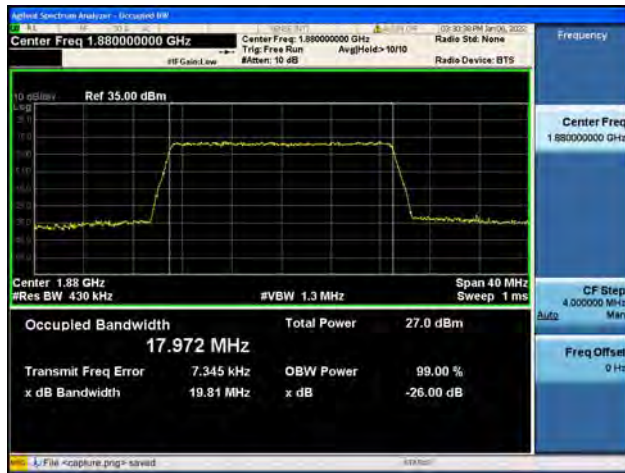


Band2 / 20MHz / Low CH / 64QAM





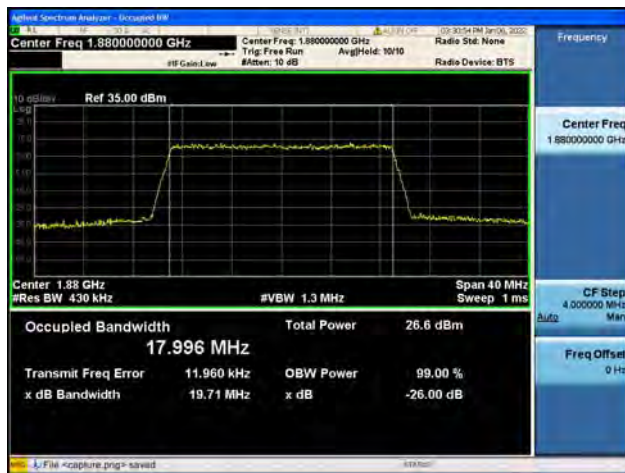
Band2 / 20MHz / Mid CH / QPSK



Band2 / 20MHz / Mid CH / 16QAM



Band2 / 20MHz / Mid CH / 64QAM



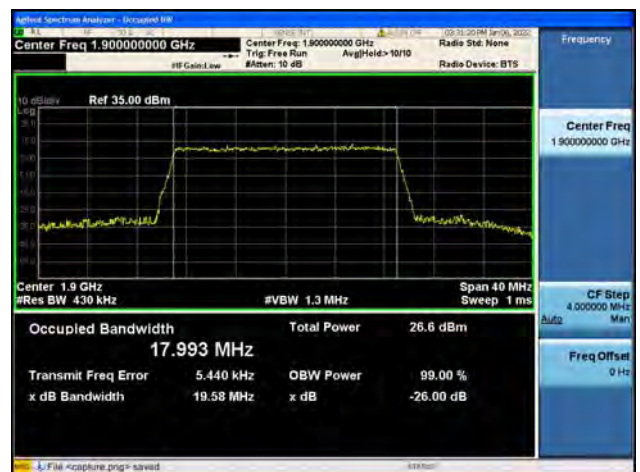
Band2 / 20MHz / High CH / QPSK



Band2 / 20MHz / High CH / 16QAM

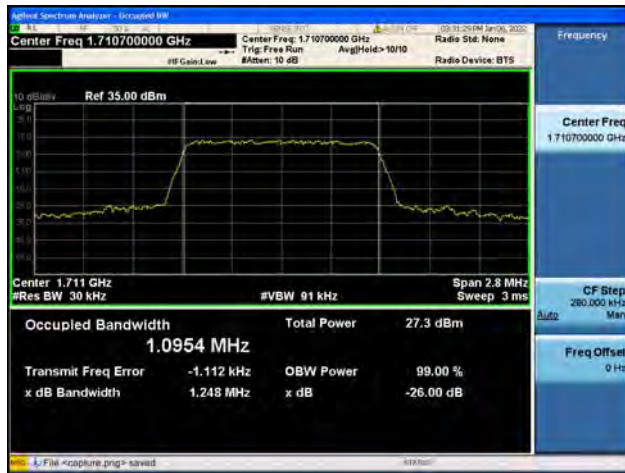


Band2 / 20MHz / High CH / 64QAM





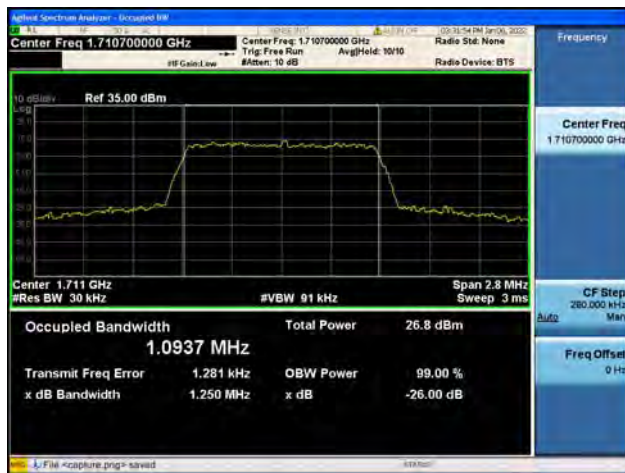
Band4 / 1.4MHz / Low CH / QPSK



Band4 / 1.4MHz / Low CH / 16QAM



Band4 / 1.4MHz / Low CH / 64QAM



Band4 / 1.4MHz / Mid CH / QPSK



Band4 / 1.4MHz / Mid CH / 16QAM

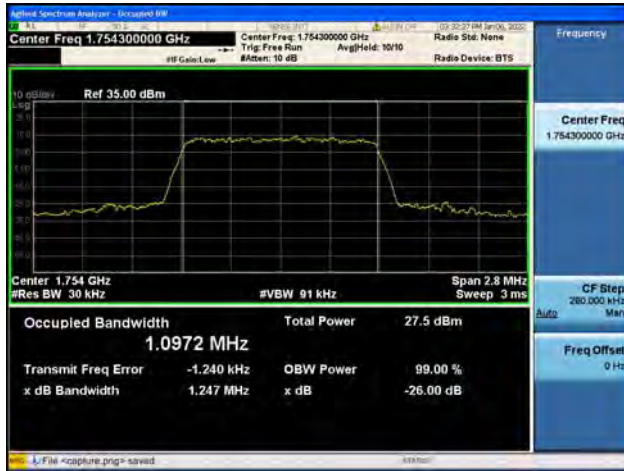


Band4 / 1.4MHz / Mid CH / 64QAM





Band4 / 1.4MHz / High CH / QPSK



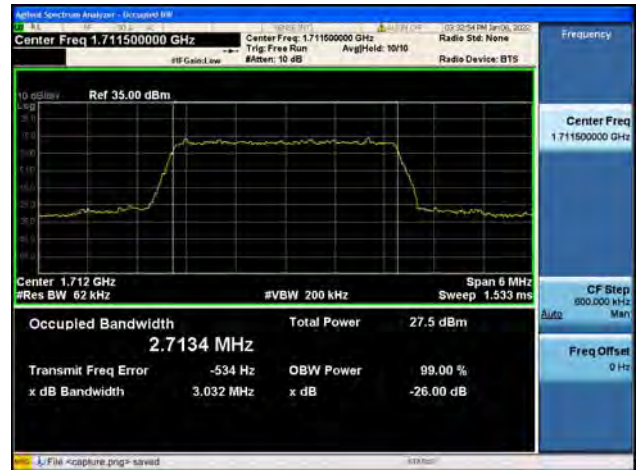
Band4 / 1.4MHz / High CH / 16QAM



Band4 / 1.4MHz / High CH / 64QAM



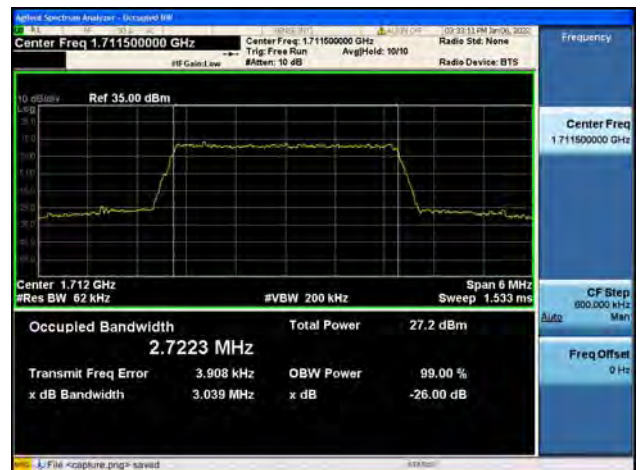
Band4 / 3MHz / Low CH / QPSK



Band4 / 3MHz / Low CH / 16QAM



Band4 / 3MHz / Low CH / 64QAM





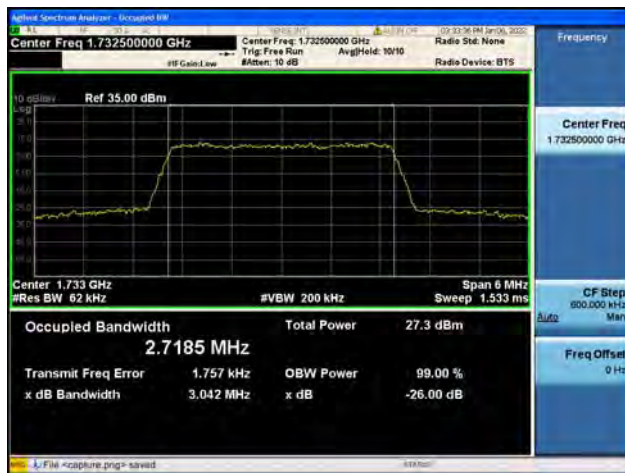
Band4 / 3MHz / Mid CH / QPSK



Band4 / 3MHz / Mid CH / 16QAM



Band4 / 3MHz / Mid CH / 64QAM



Band4 / 3MHz / High CH / QPSK



Band4 / 3MHz / High CH / 16QAM



Band4 / 3MHz / High CH / 64QAM





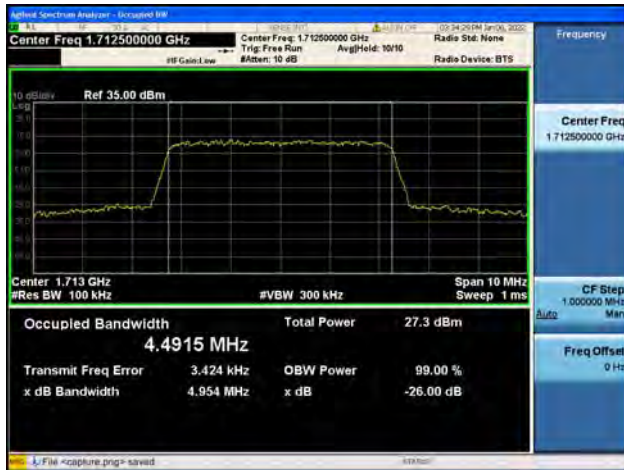
Band4 / 5MHz / Low CH / QPSK



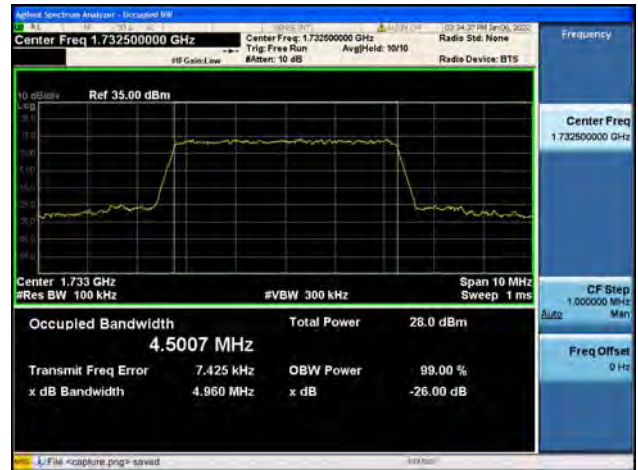
Band4 / 5MHz / Low CH / 16QAM



Band4 / 5MHz / Low CH / 64QAM



Band4 / 5MHz / Mid CH / QPSK



Band4 / 5MHz / Mid CH / 16QAM

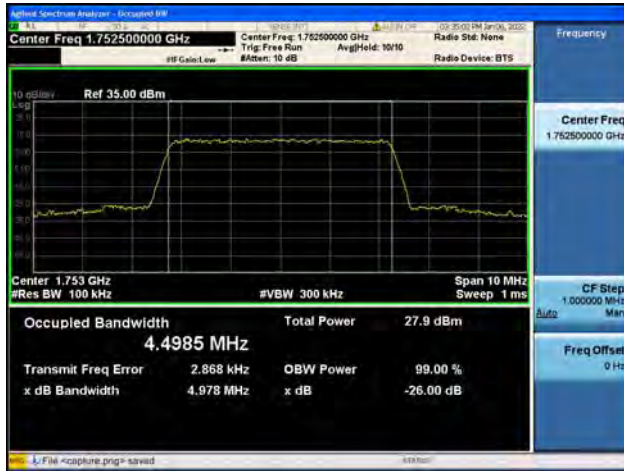


Band4 / 5MHz / Mid CH / 64QAM

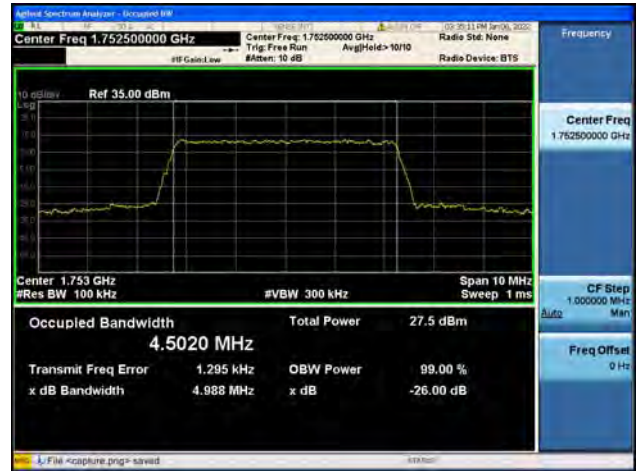




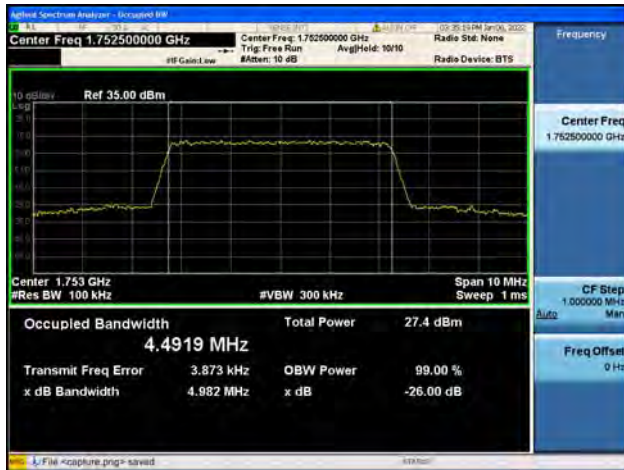
Band4 / 5MHz / High CH / QPSK



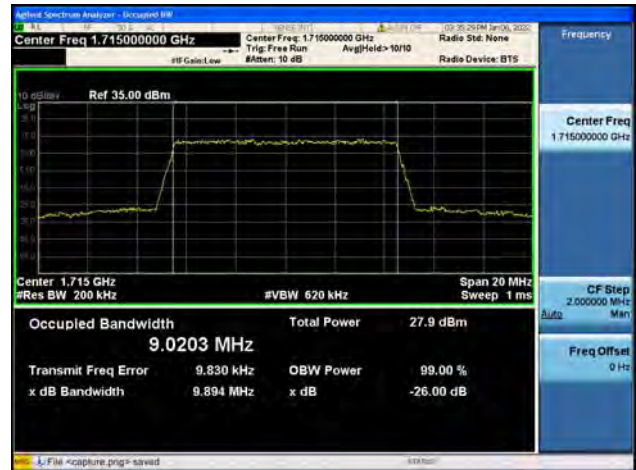
Band4 / 5MHz / High CH / 16QAM



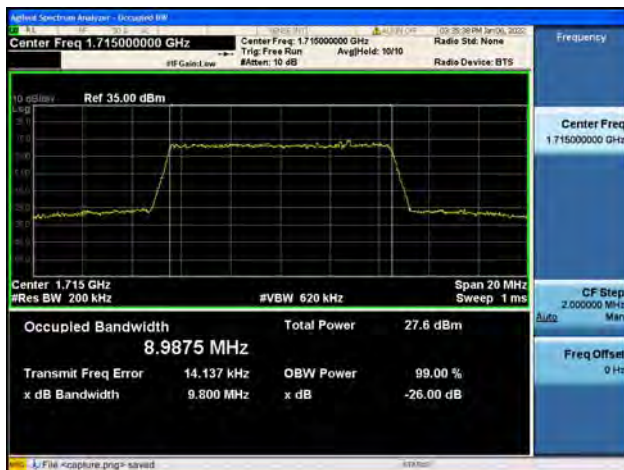
Band4 / 5MHz / High CH / 64QAM



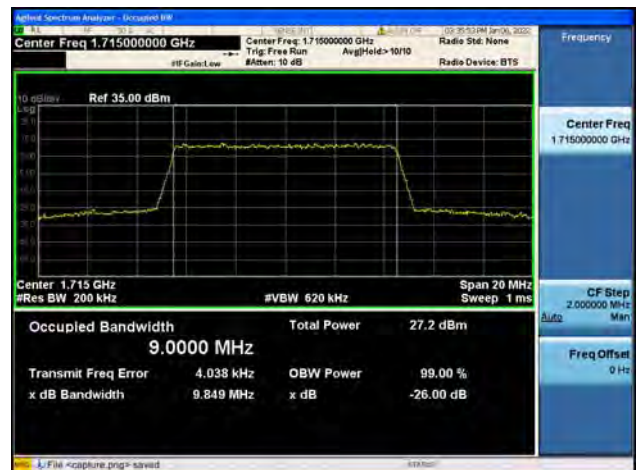
Band4 / 10MHz / Low CH / QPSK



Band4 / 10MHz / Low CH / 16QAM

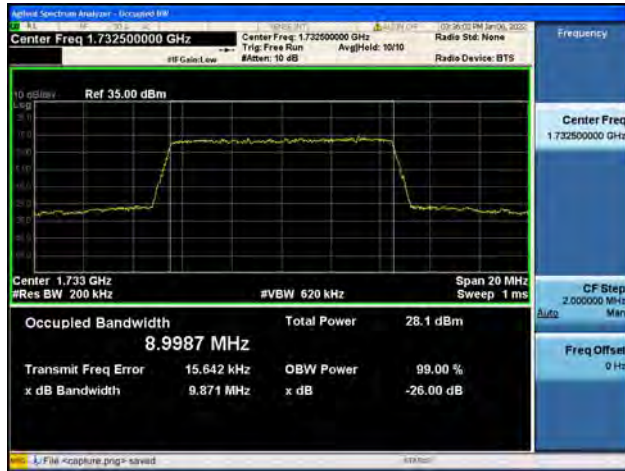


Band4 / 10MHz / Low CH / 64QAM





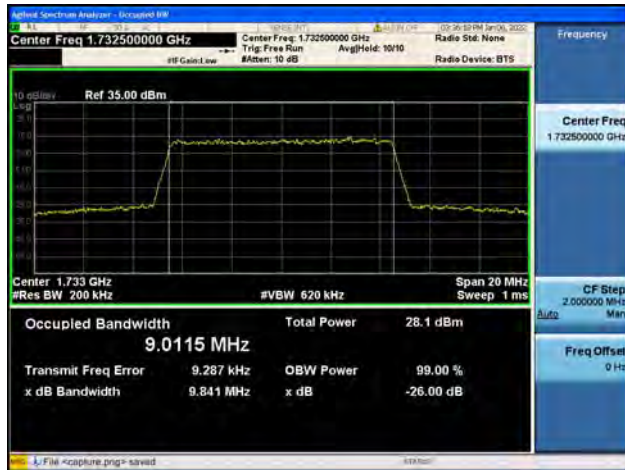
Band4 / 10MHz / Mid CH / QPSK



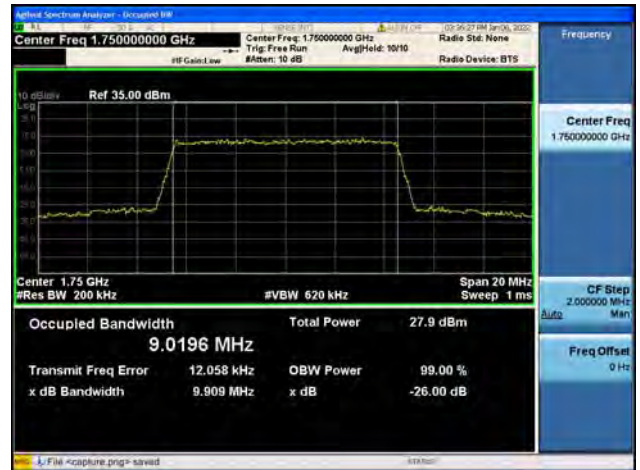
Band4 / 10MHz / Mid CH / 16QAM



Band4 / 10MHz / Mid CH / 64QAM



Band4 / 10MHz / High CH / QPSK



Band4 / 10MHz / High CH / 16QAM

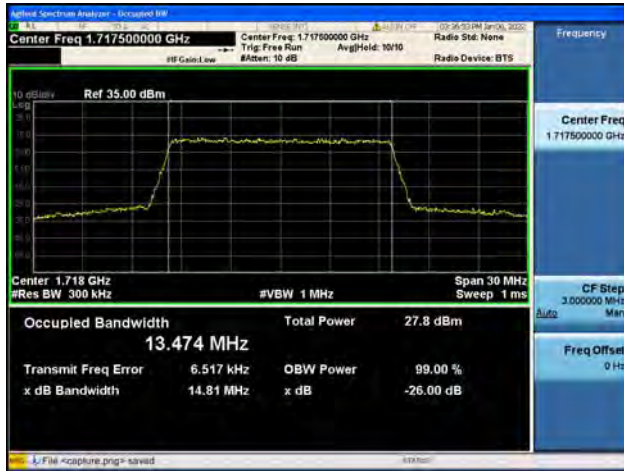


Band4 / 10MHz / High CH / 64QAM





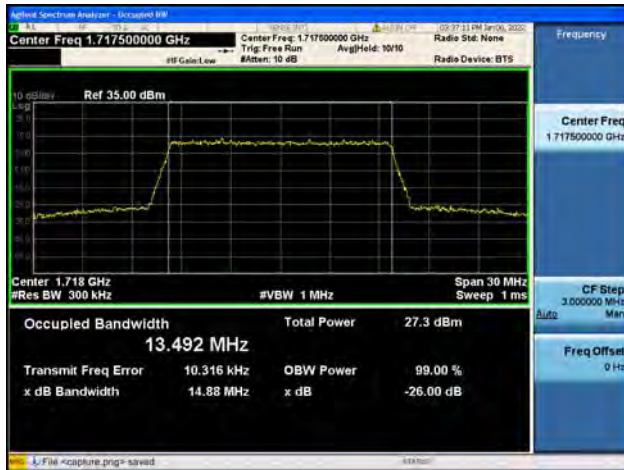
Band4 / 15MHz / Low CH / QPSK



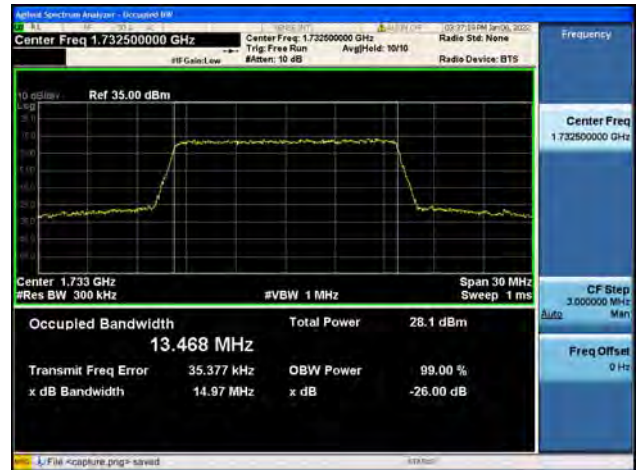
Band4 / 15MHz / Low CH / 16QAM



Band4 / 15MHz / Low CH / 64QAM



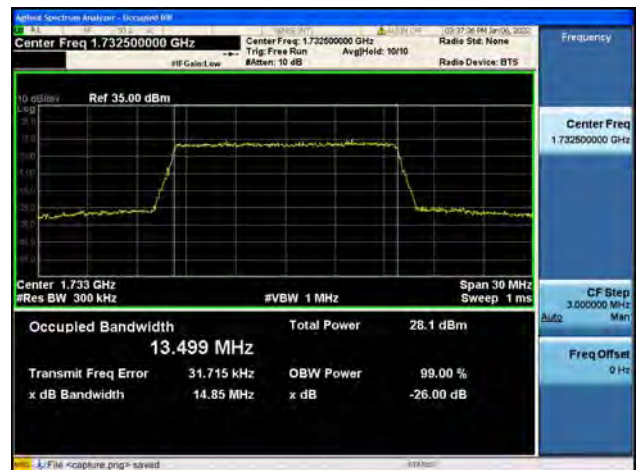
Band4 / 15MHz / Mid CH / QPSK



Band4 / 15MHz / Mid CH / 16QAM



Band4 / 15MHz / Mid CH / 64QAM

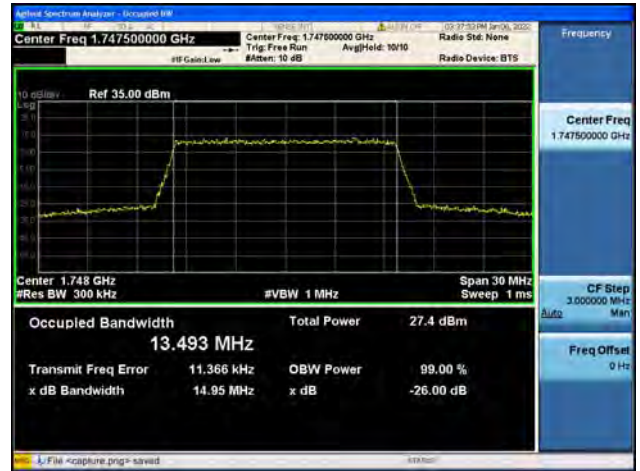




Band4 / 15MHz / High CH / QPSK



Band4 / 15MHz / High CH / 16QAM



Band4 / 15MHz / High CH / 64QAM



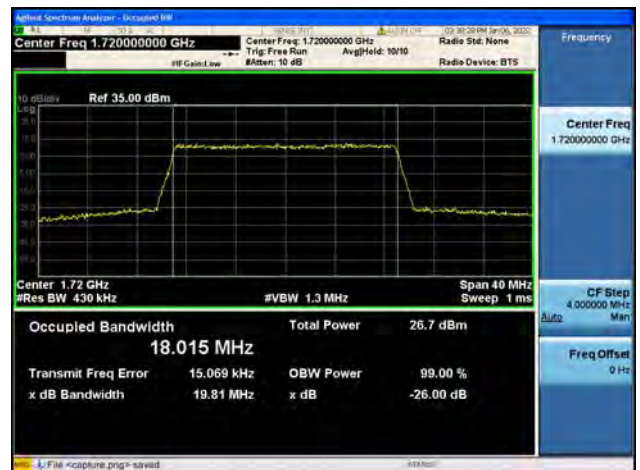
Band4 / 20MHz / Low CH / QPSK



Band4 / 20MHz / Low CH / 16QAM

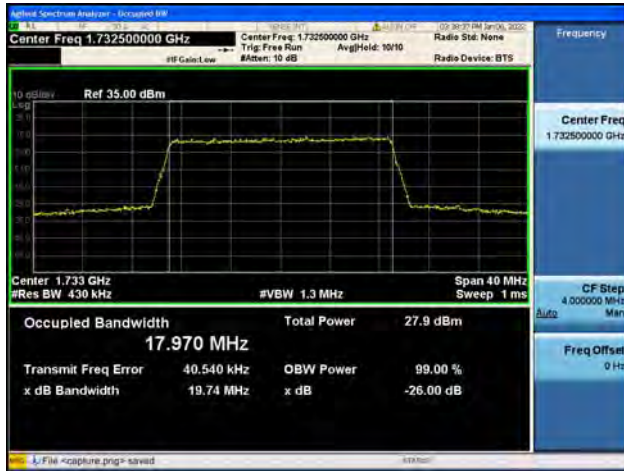


Band4 / 20MHz / Low CH / 64QAM

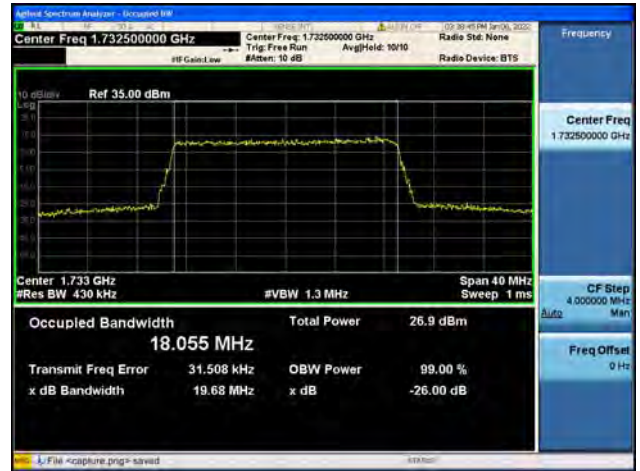




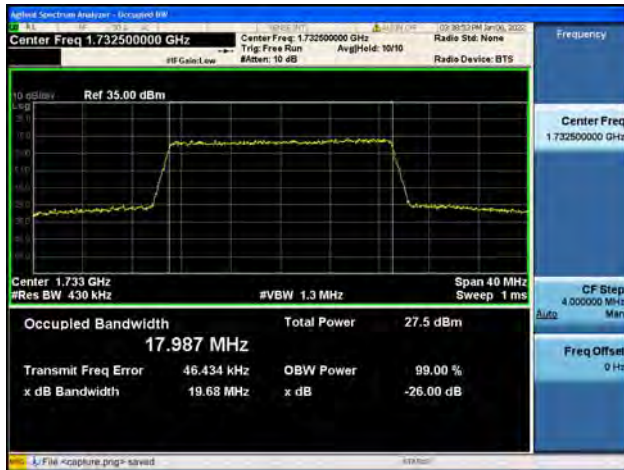
Band4 / 20MHz / Mid CH / QPSK



Band4 / 20MHz / Mid CH / 16QAM



Band4 / 20MHz / Mid CH / 64QAM



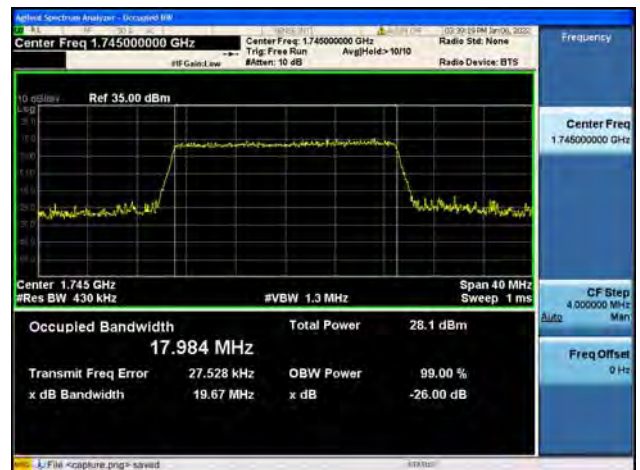
Band4 / 20MHz / High CH / QPSK



Band4 / 20MHz / High CH / 16QAM

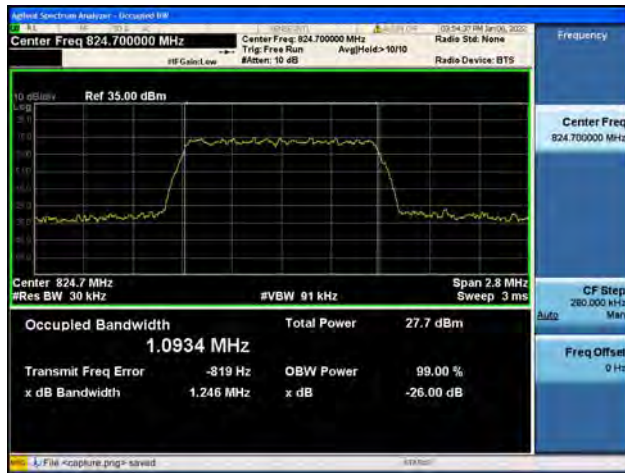


Band4 / 20MHz / High CH / 64QAM

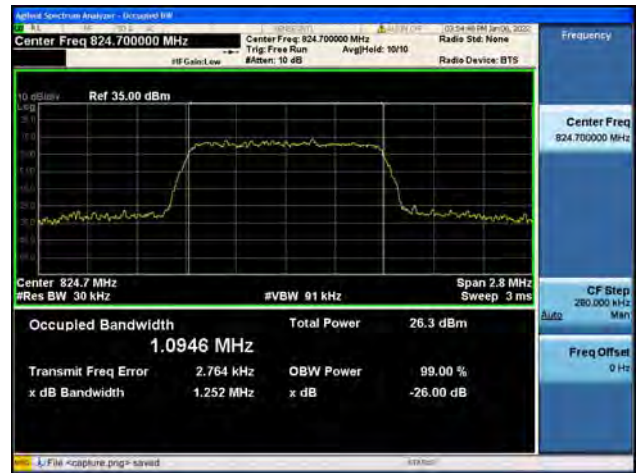




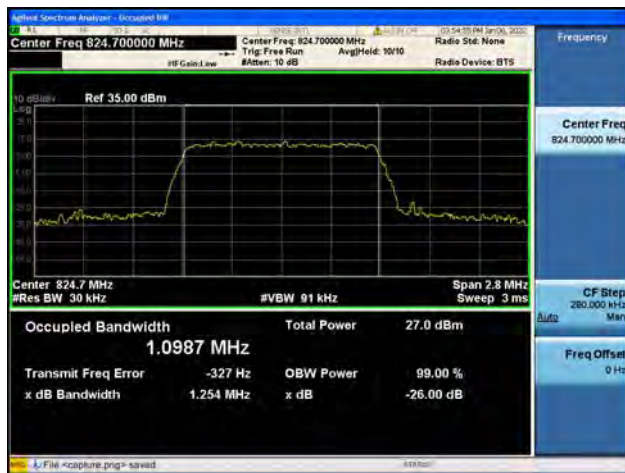
Band5 / 1.4MHz / Low CH / QPSK



Band5 / 1.4MHz / Low CH / 16QAM



Band5 / 1.4MHz / Low CH / 64QAM



Band5 / 1.4MHz / Mid CH / QPSK



Band5 / 1.4MHz / Mid CH / 16QAM

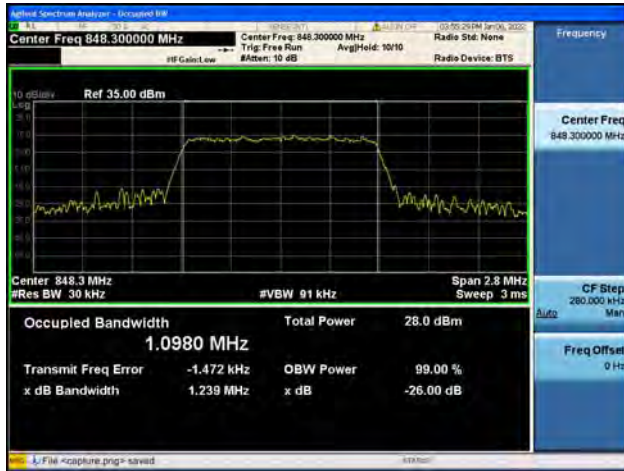


Band5 / 1.4MHz / Mid CH / 64QAM

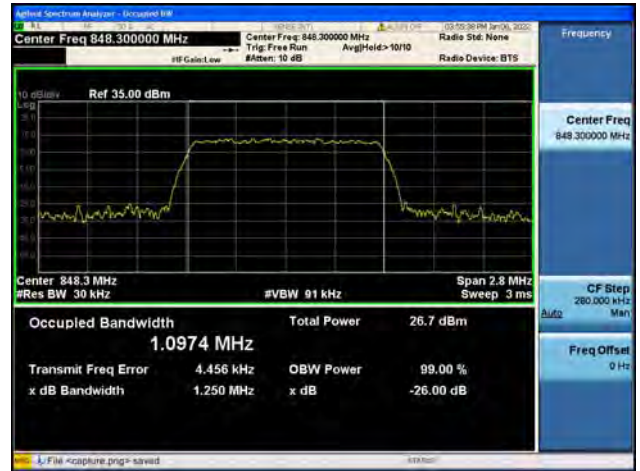




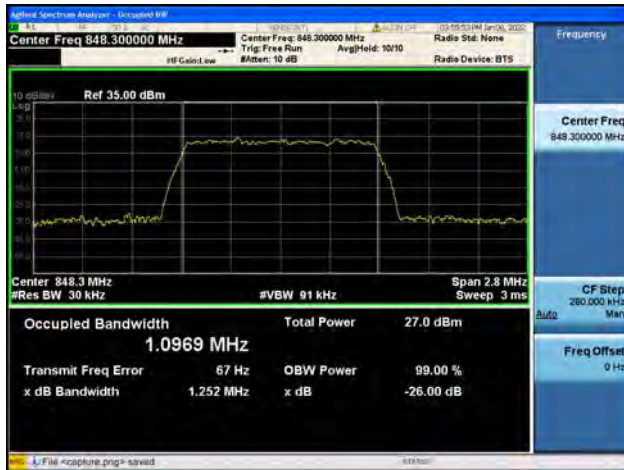
Band5 / 1.4MHz / High CH / QPSK



Band5 / 1.4MHz / High CH / 16QAM



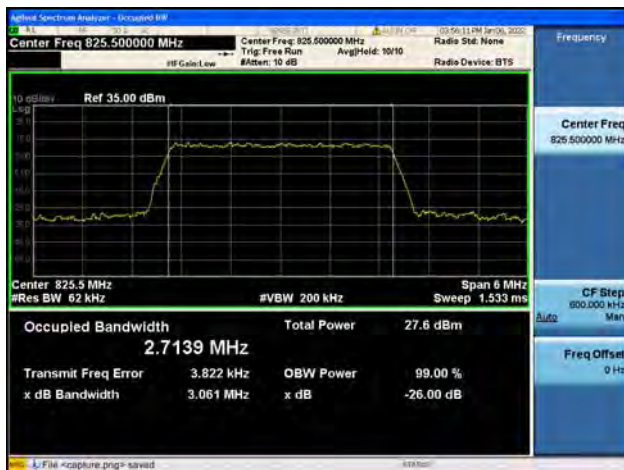
Band5 / 1.4MHz / High CH / 64QAM



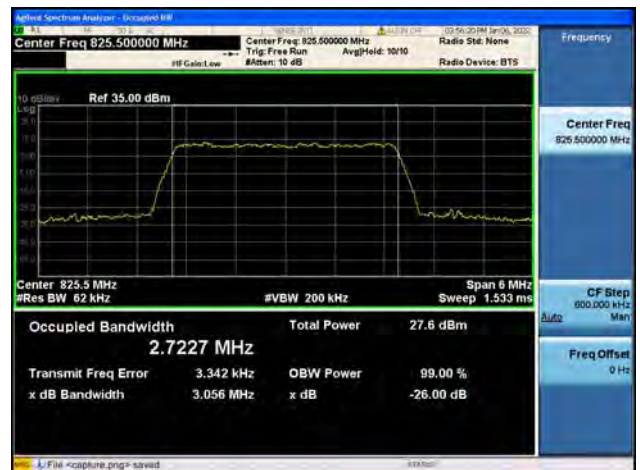
Band5 / 3MHz / Low CH / QPSK



Band5 / 3MHz / Low CH / 16QAM

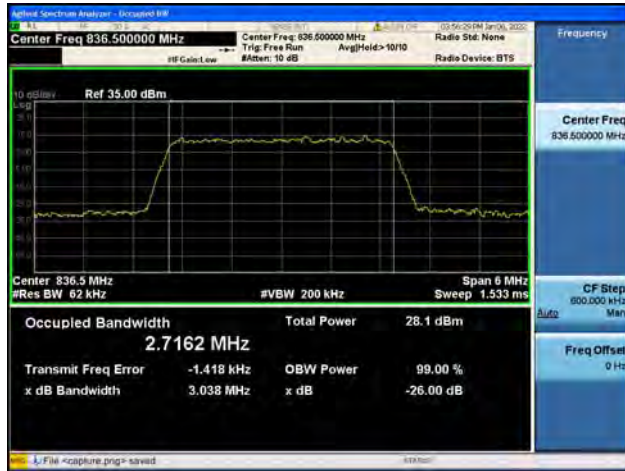


Band5 / 3MHz / Low CH / 64QAM





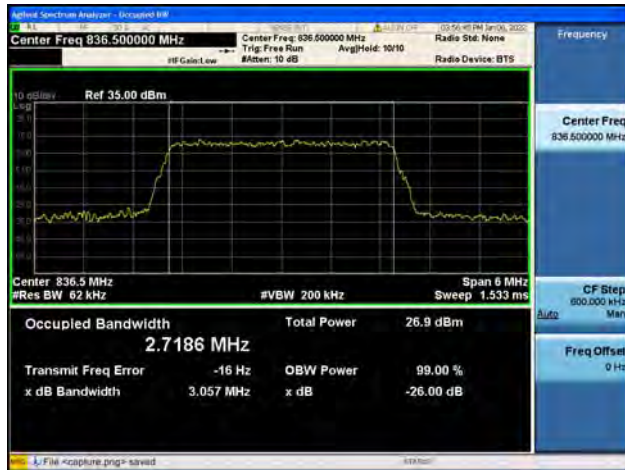
Band5 / 3MHz / Mid CH / QPSK



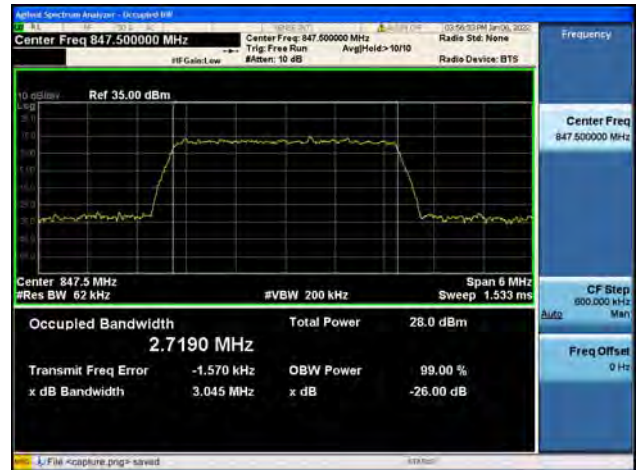
Band5 / 3MHz / Mid CH / 16QAM



Band5 / 3MHz / Mid CH / 64QAM



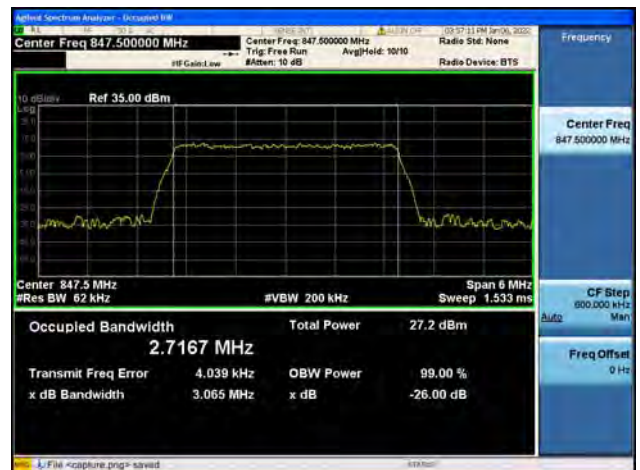
Band5 / 3MHz / High CH / QPSK



Band5 / 3MHz / High CH / 16QAM

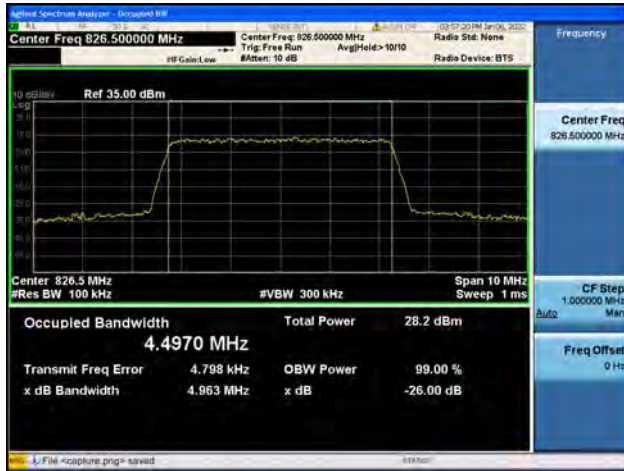


Band5 / 3MHz / High CH / 64QAM

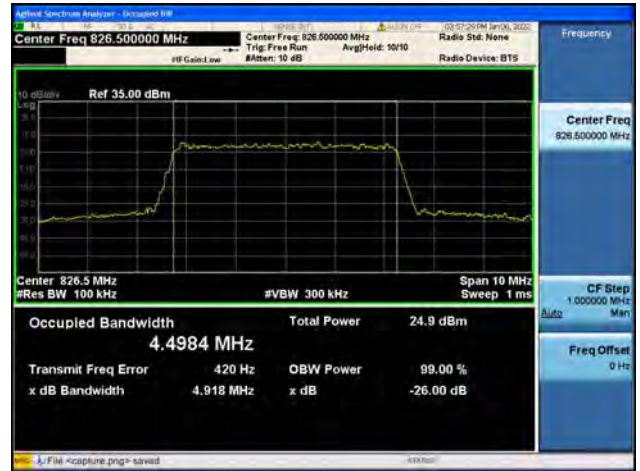




Band5 / 5MHz / Low CH / QPSK



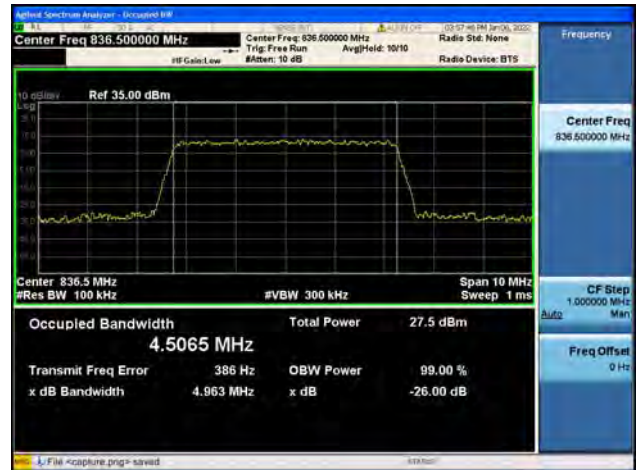
Band5 / 5MHz / Low CH / 16QAM



Band5 / 5MHz / Low CH / 64QAM



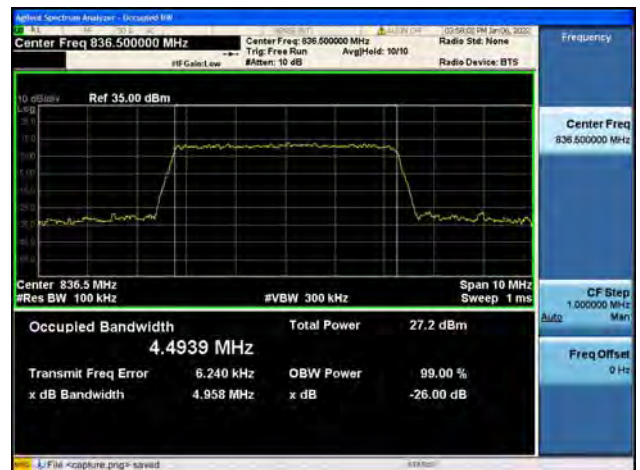
Band5 / 5MHz / Mid CH / QPSK



Band5 / 5MHz / Mid CH / 16QAM

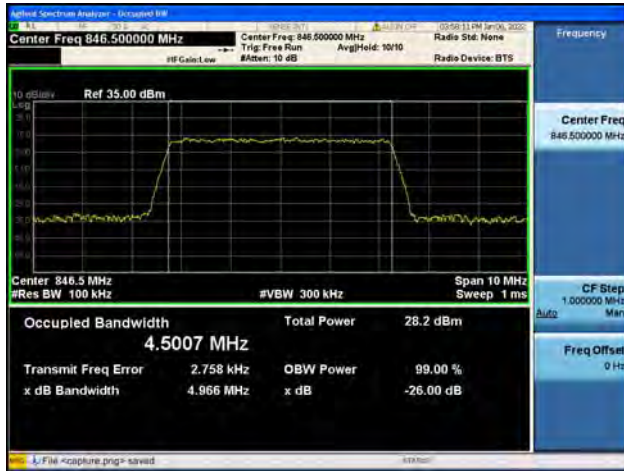


Band5 / 5MHz / Mid CH / 64QAM

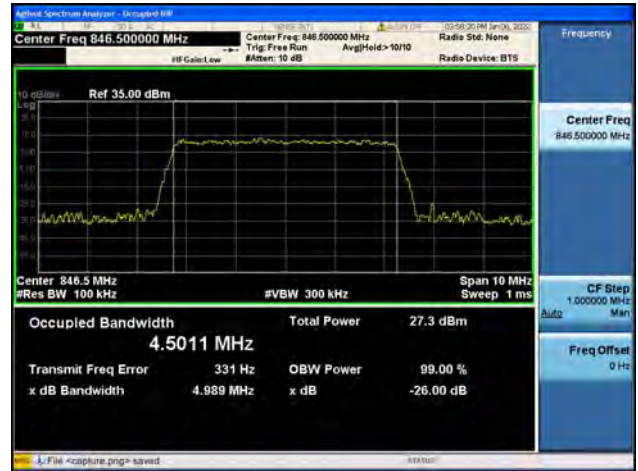




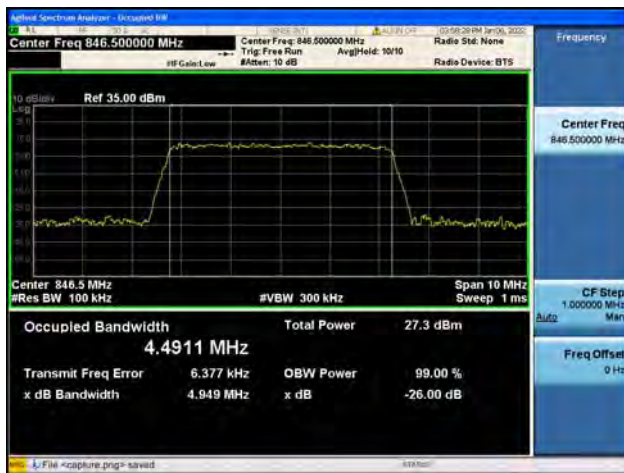
Band5 / 5MHz / High CH / QPSK



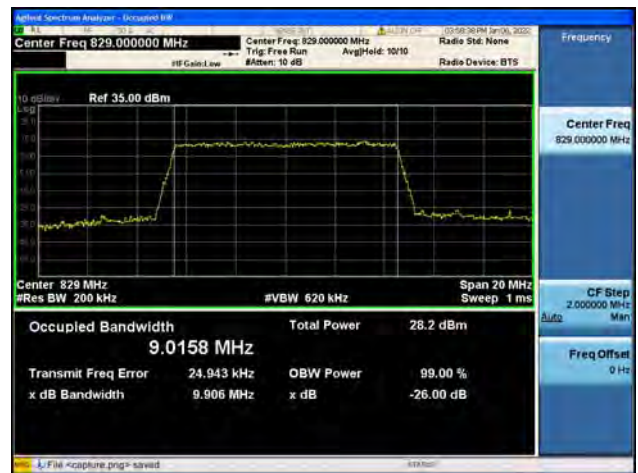
Band5 / 5MHz / High CH / 16QAM



Band5 / 5MHz / High CH / 64QAM



Band5 / 10MHz / Low CH / QPSK



Band5 / 10MHz / Low CH / 16QAM

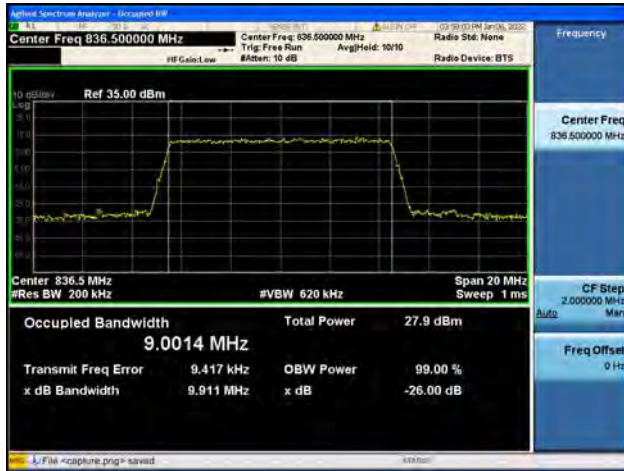


Band5 / 10MHz / Low CH / 64QAM

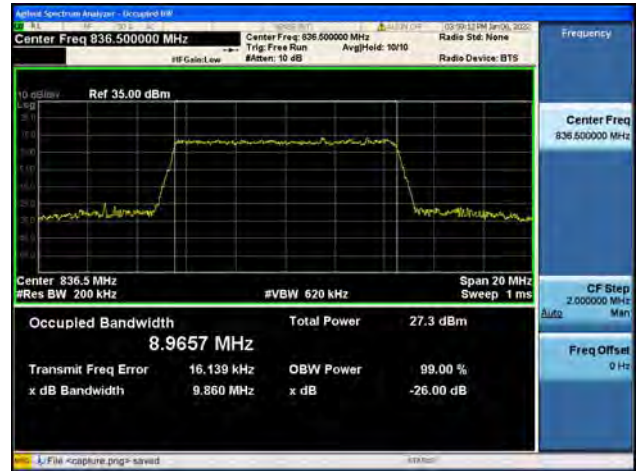




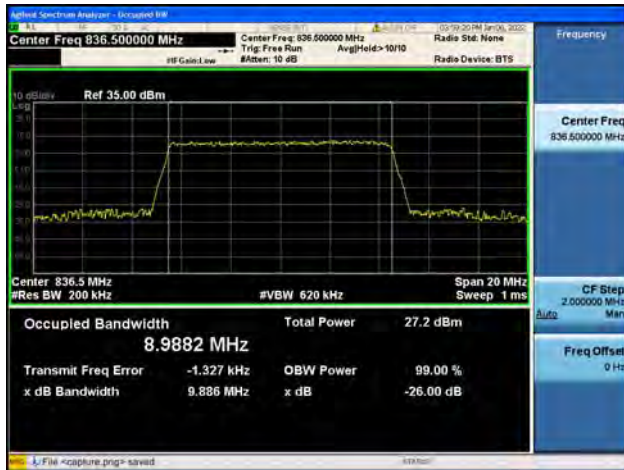
Band5 / 10MHz / Mid CH / QPSK



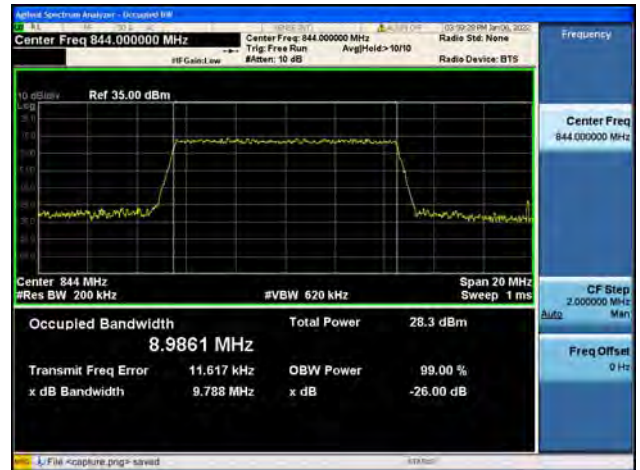
Band5 / 10MHz / Mid CH / 16QAM



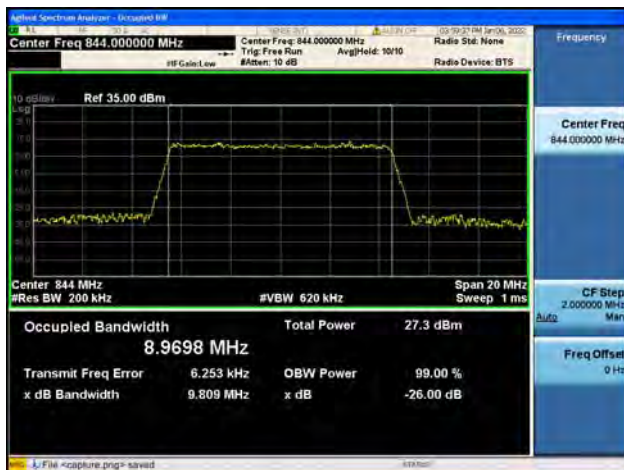
Band5 / 10MHz / Mid CH / 64QAM



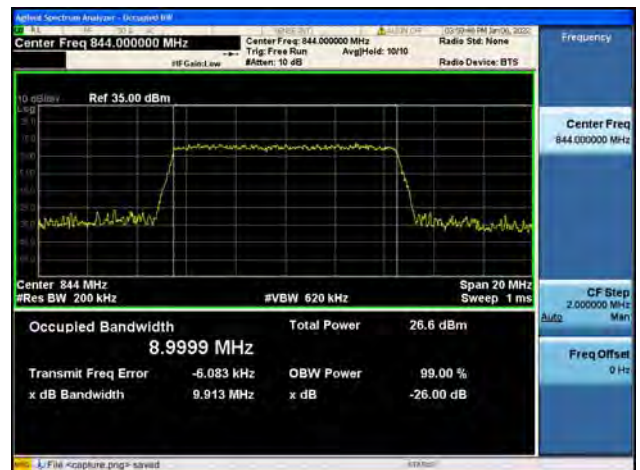
Band5 / 10MHz / High CH / QPSK



Band5 / 10MHz / High CH / 16QAM

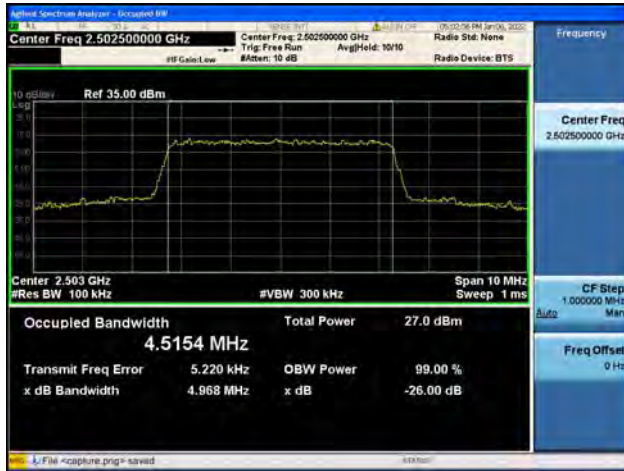


Band5 / 10MHz / High CH / 64QAM





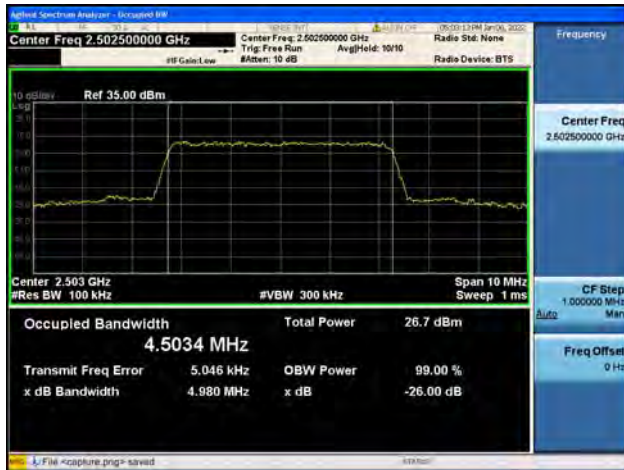
Band7 / 5MHz / Low CH / QPSK



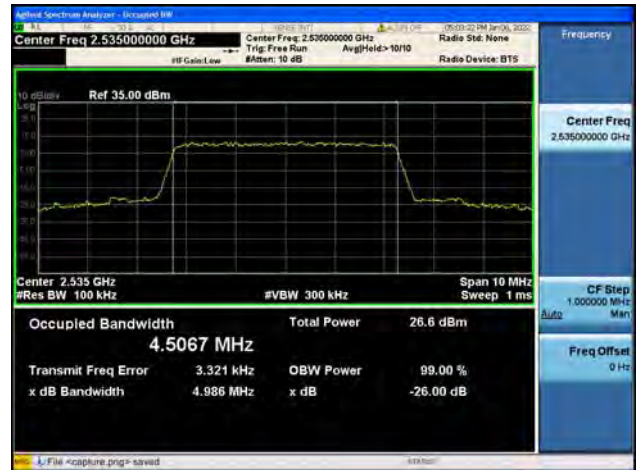
Band7 / 5MHz / Low CH / 16QAM



Band7 / 5MHz / Low CH / 64QAM



Band7 / 5MHz / Mid CH / QPSK



Band7 / 5MHz / Mid CH / 16QAM

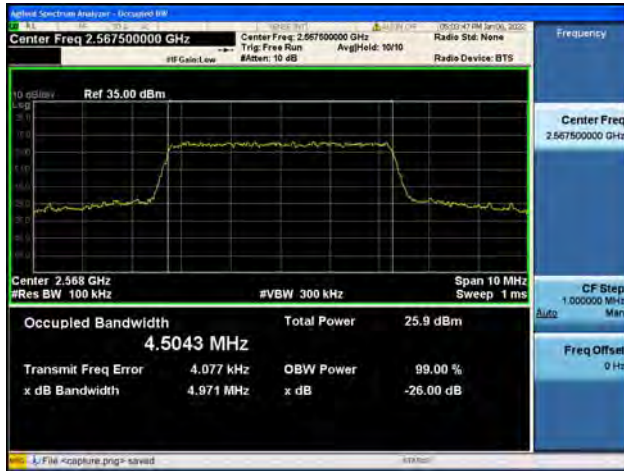


Band7 / 5MHz / Mid CH / 64QAM

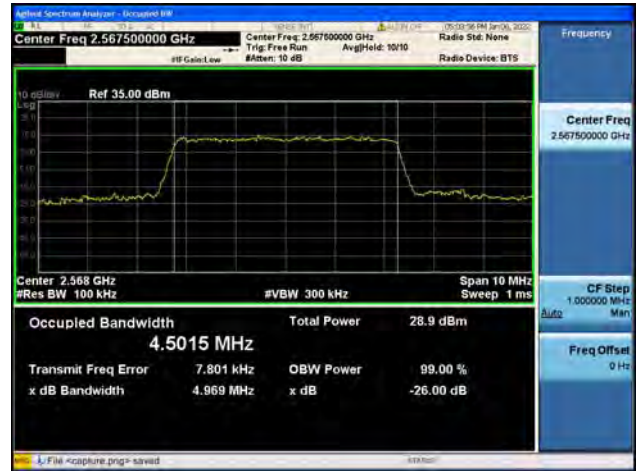




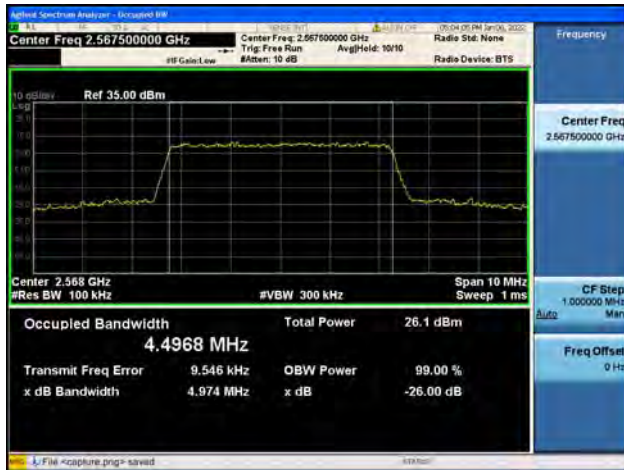
Band7 / 5MHz / High CH / QPSK



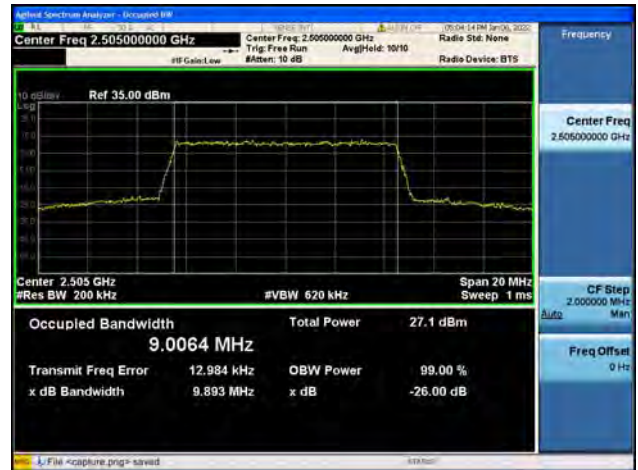
Band7 / 5MHz / High CH / 16QAM



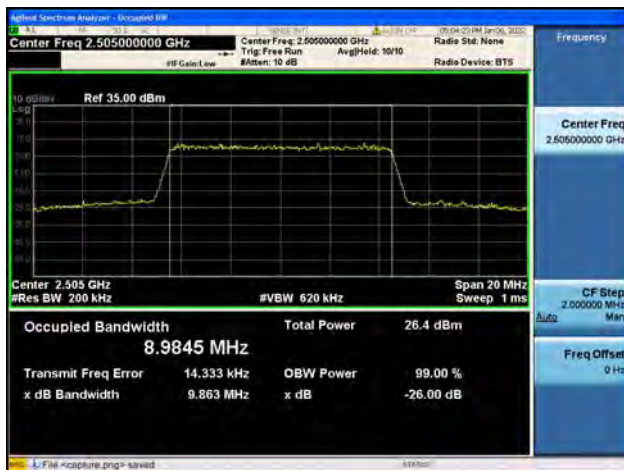
Band7 / 5MHz / High CH / 64QAM



Band7 / 10MHz / Low CH / QPSK



Band7 / 10MHz / Low CH / 16QAM



Band7 / 10MHz / Low CH / 64QAM





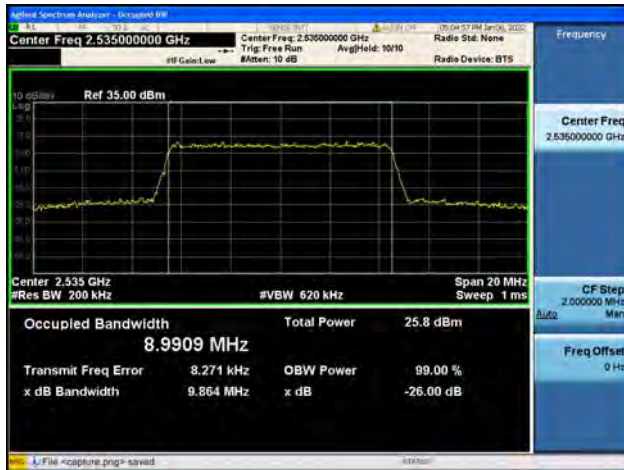
Band7 / 10MHz / Mid CH / QPSK



Band7 / 10MHz / Mid CH / 16QAM



Band7 / 10MHz / Mid CH / 64QAM



Band7 / 10MHz / High CH / QPSK



Band7 / 10MHz / High CH / 16QAM



Band7 / 10MHz / High CH / 64QAM





Band7 / 15MHz / Low CH / QPSK



Band7 / 15MHz / Low CH / 16QAM



Band7 / 15MHz / Low CH / 64QAM



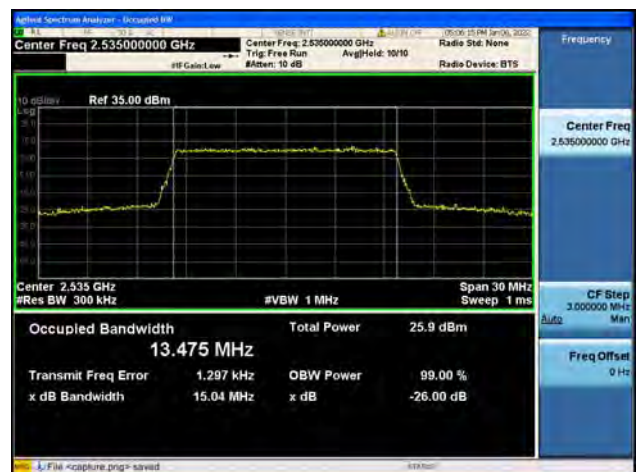
Band7 / 15MHz / Mid CH / QPSK



Band7 / 15MHz / Mid CH / 16QAM



Band7 / 15MHz / Mid CH / 64QAM





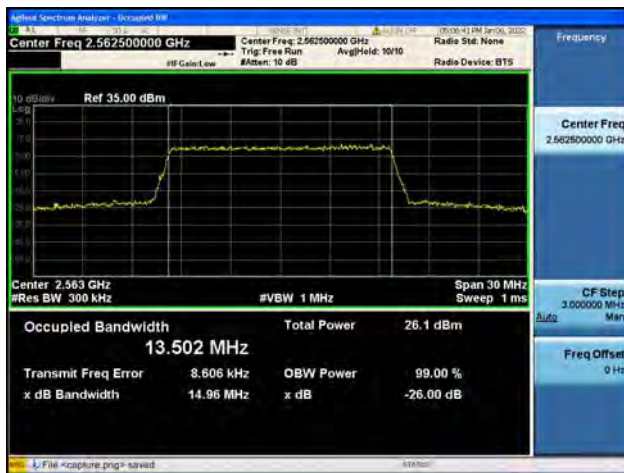
Band7 / 15MHz / High CH / QPSK



Band7 / 15MHz / High CH / 16QAM



Band7 / 15MHz / High CH / 64QAM



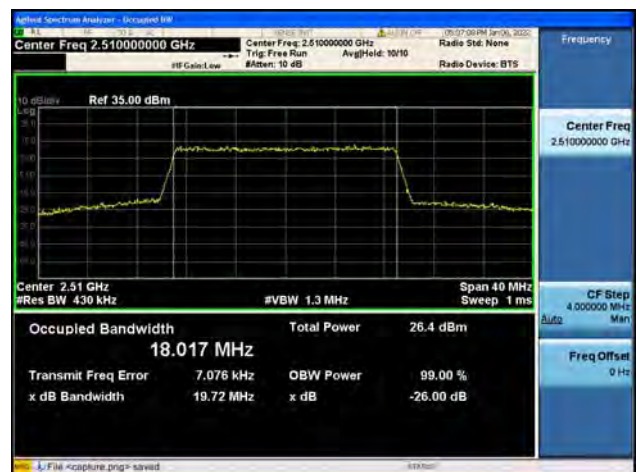
Band7 / 20MHz / Low CH / QPSK

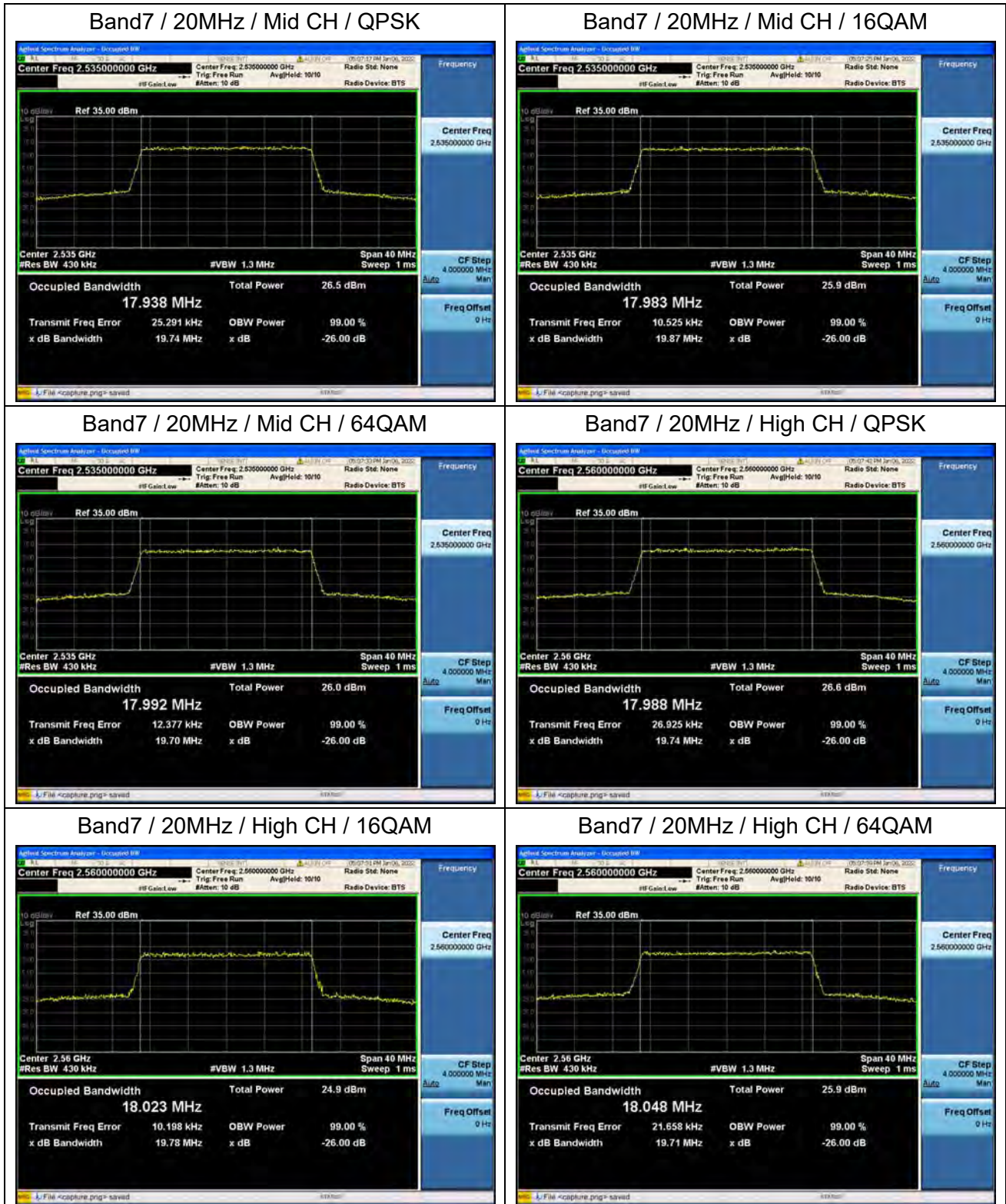


Band7 / 20MHz / Low CH / 16QAM



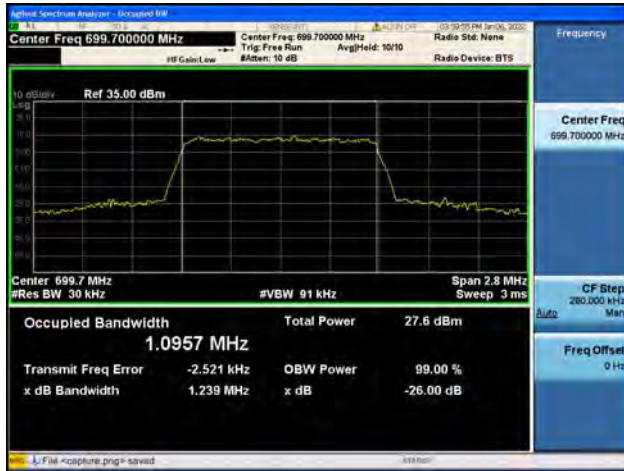
Band7 / 20MHz / Low CH / 64QAM







Band12 / 1.4MHz / Low CH / QPSK



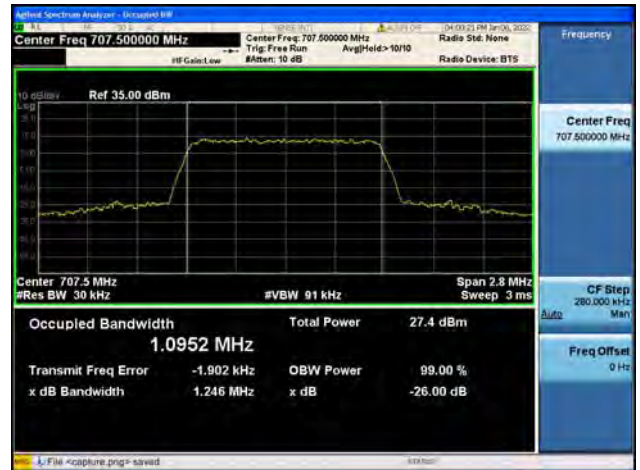
Band12 / 1.4MHz / Low CH / 16QAM



Band12 / 1.4MHz / Low CH / 64QAM



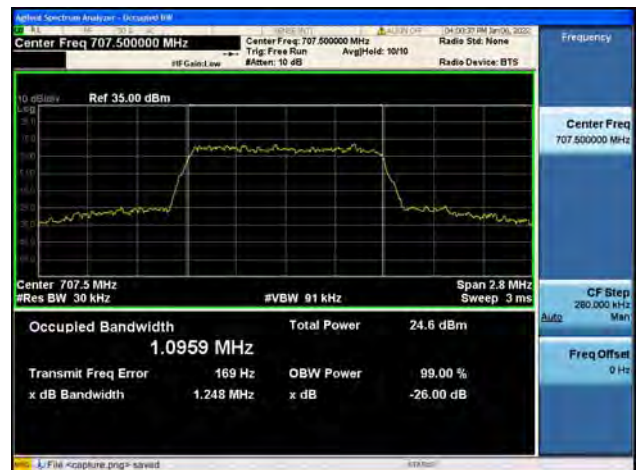
Band12 / 1.4MHz / Mid CH / QPSK



Band12 / 1.4MHz / Mid CH / 16QAM

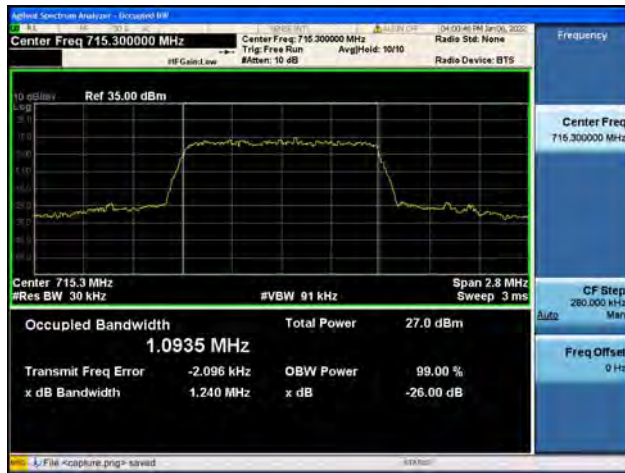


Band12 / 1.4MHz / Mid CH / 64QAM





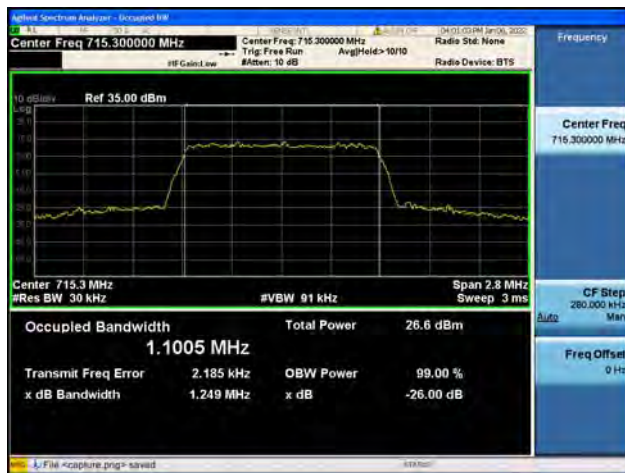
Band12 / 1.4MHz / High CH / QPSK



Band12 / 1.4MHz / High CH / 16QAM



Band12 / 1.4MHz / High CH / 64QAM



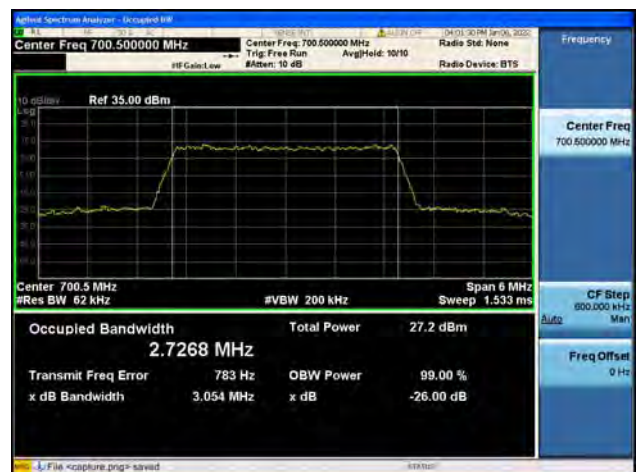
Band12 / 3MHz / Low CH / QPSK



Band12 / 3MHz / Low CH / 16QAM

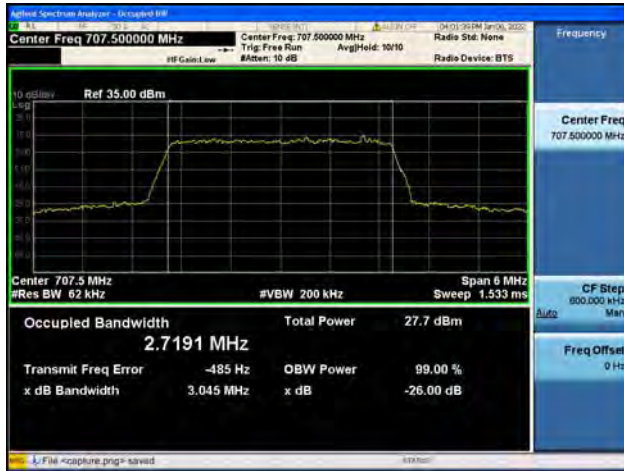


Band12 / 3MHz / Low CH / 64QAM





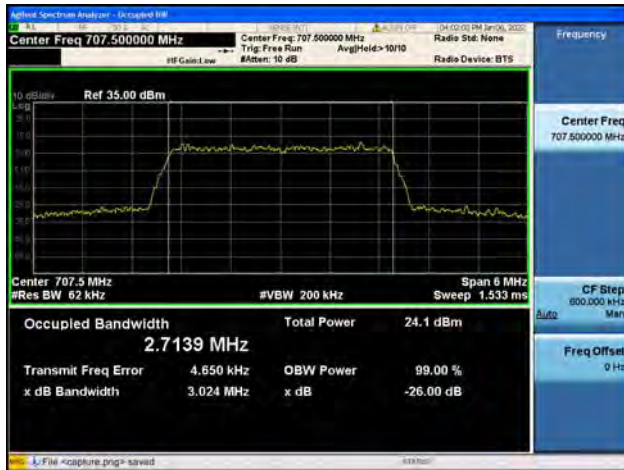
Band12 / 3MHz / Mid CH / QPSK



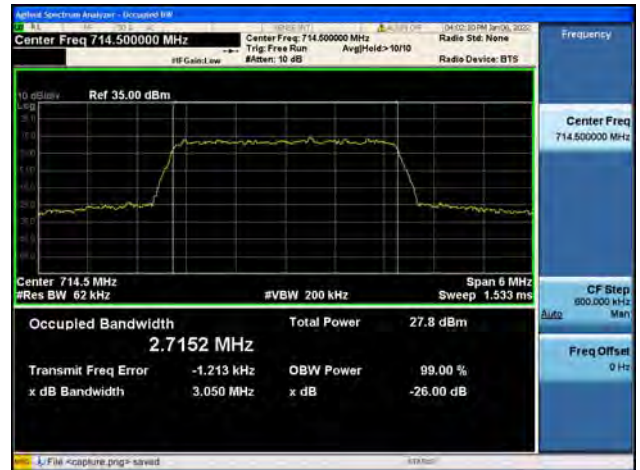
Band12 / 3MHz / Mid CH / 16QAM



Band12 / 3MHz / Mid CH / 64QAM



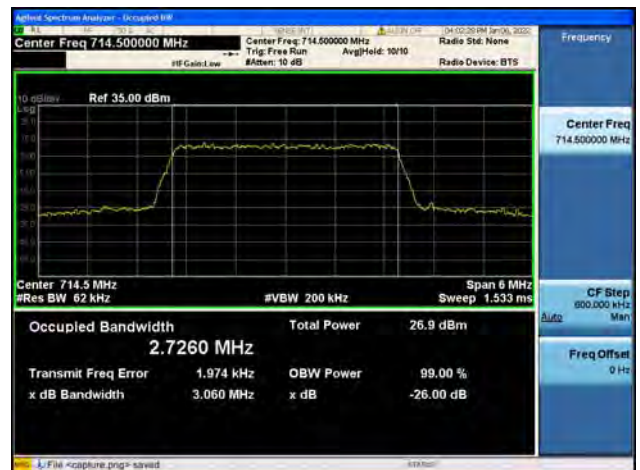
Band12 / 3MHz / High CH / QPSK



Band12 / 3MHz / High CH / 16QAM

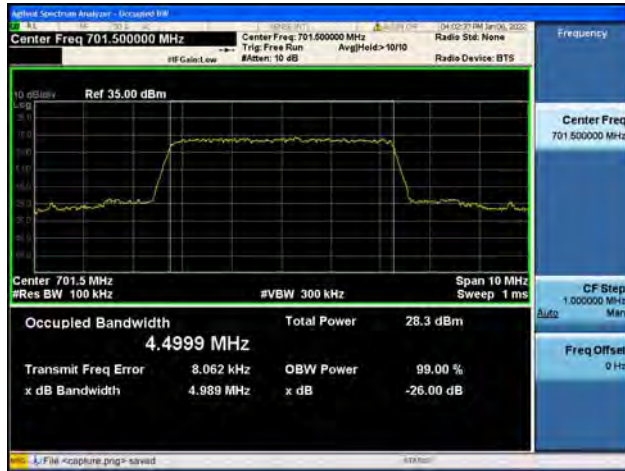


Band12 / 3MHz / High CH / 64QAM

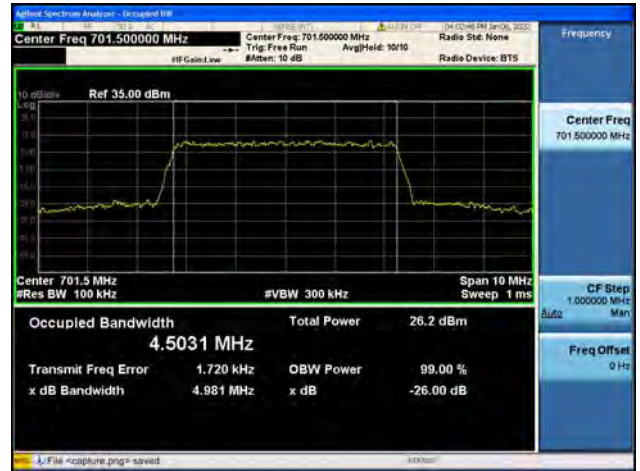




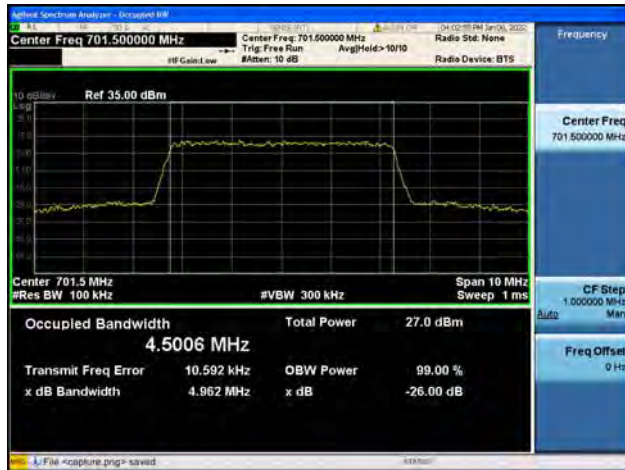
Band12 / 5MHz / Low CH / QPSK



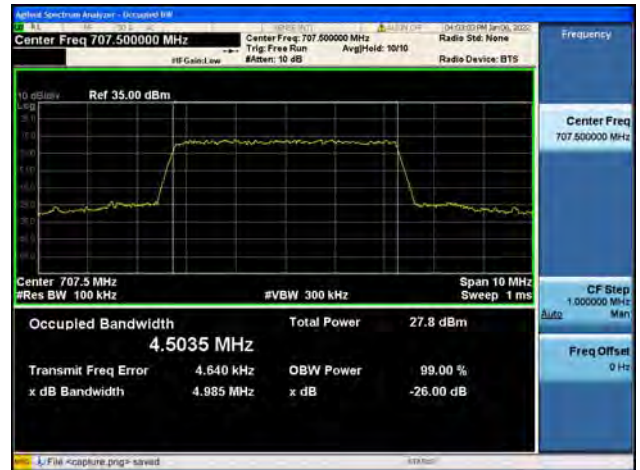
Band12 / 5MHz / Low CH / 16QAM



Band12 / 5MHz / Low CH / 64QAM



Band12 / 5MHz / Mid CH / QPSK



Band12 / 5MHz / Mid CH / 16QAM

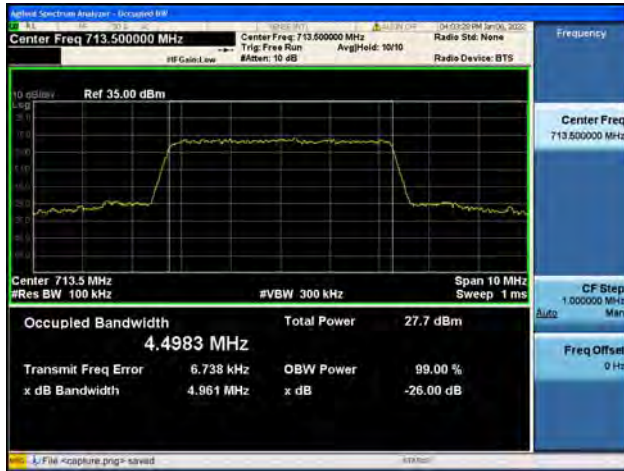


Band12 / 5MHz / Mid CH / 64QAM





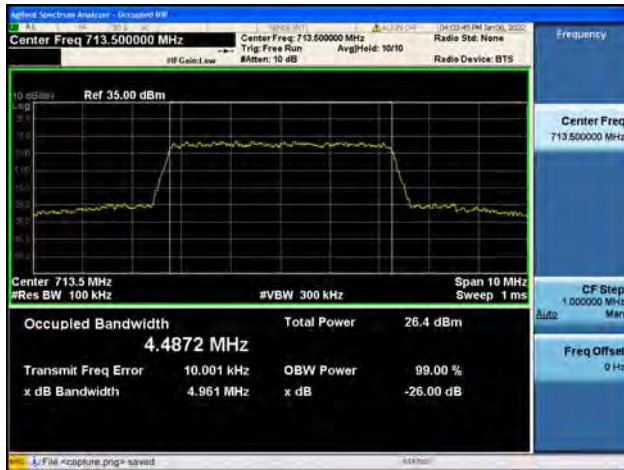
Band12 / 5MHz / High CH / QPSK



Band12 / 5MHz / High CH / 16QAM



Band12 / 5MHz / High CH / 64QAM



Band12 / 10MHz / Low CH / QPSK



Band12 / 10MHz / Low CH / 16QAM

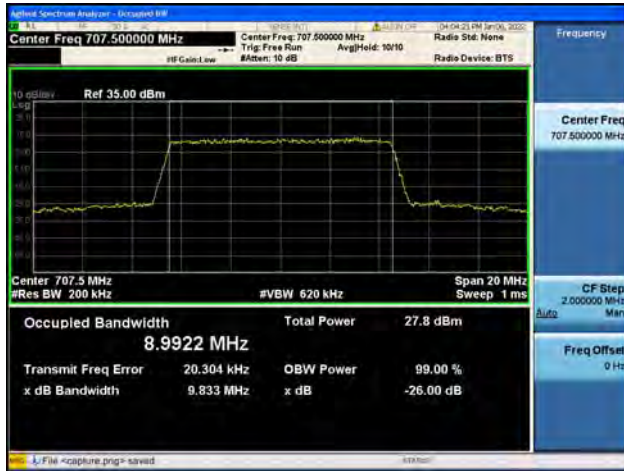


Band12 / 10MHz / Low CH / 64QAM

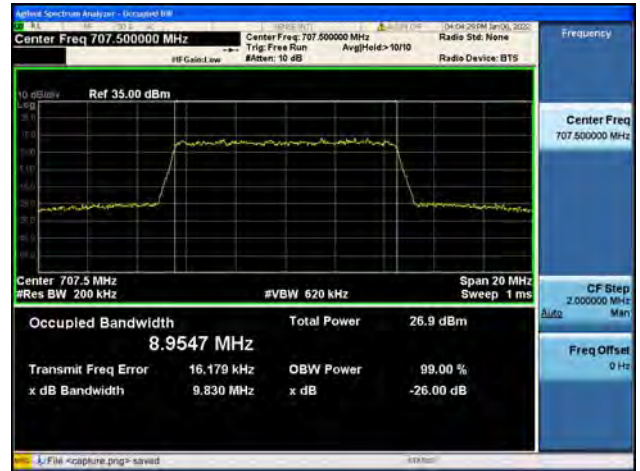




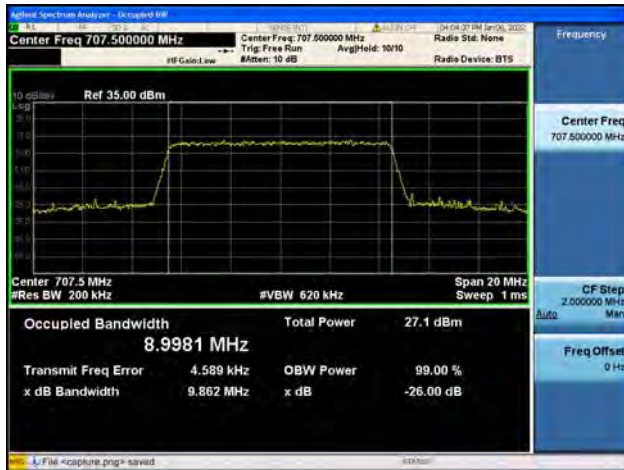
Band12 / 10MHz / Mid CH / QPSK



Band12 / 10MHz / Mid CH / 16QAM



Band12 / 10MHz / Mid CH / 64QAM



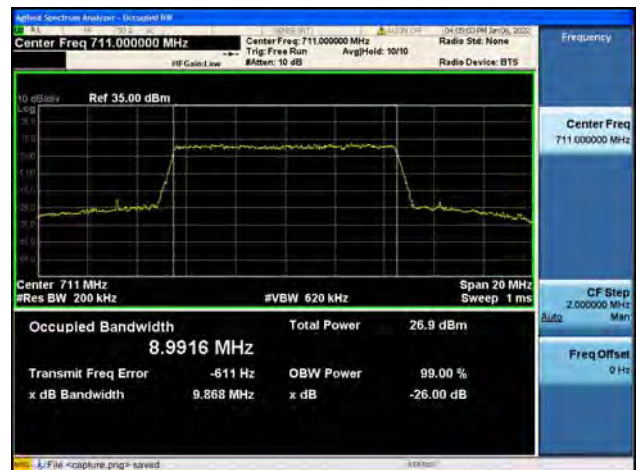
Band12 / 10MHz / High CH / QPSK



Band12 / 10MHz / High CH / 16QAM

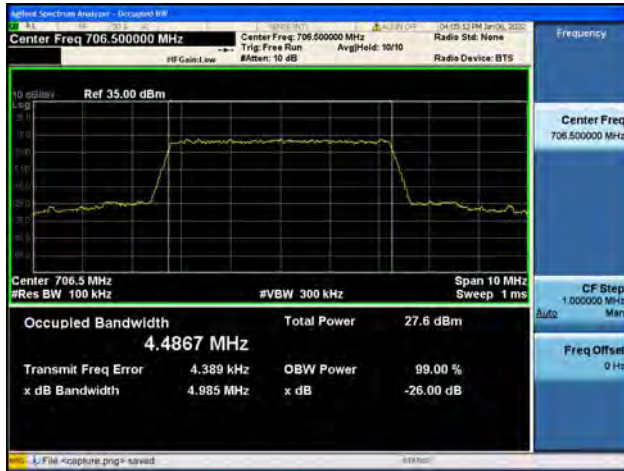


Band12 / 10MHz / High CH / 64QAM





Band17 / 5MHz / Low CH / QPSK



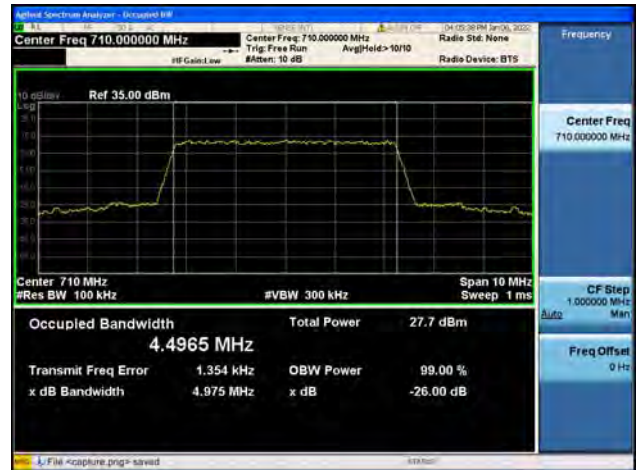
Band17 / 5MHz / Low CH / 16QAM



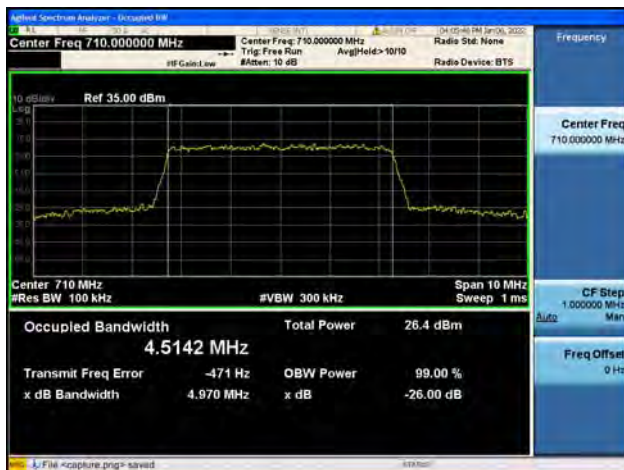
Band17 / 5MHz / Low CH / 64QAM



Band17 / 5MHz / Mid CH / QPSK



Band17 / 5MHz / Mid CH / 16QAM



Band17 / 5MHz / Mid CH / 64QAM





Band17 / 5MHz / High CH / QPSK



Band17 / 5MHz / High CH / 16QAM



Band17 / 5MHz / High CH / 64QAM



Band17 / 10MHz / Low CH / QPSK



Band17 / 10MHz / Low CH / 16QAM

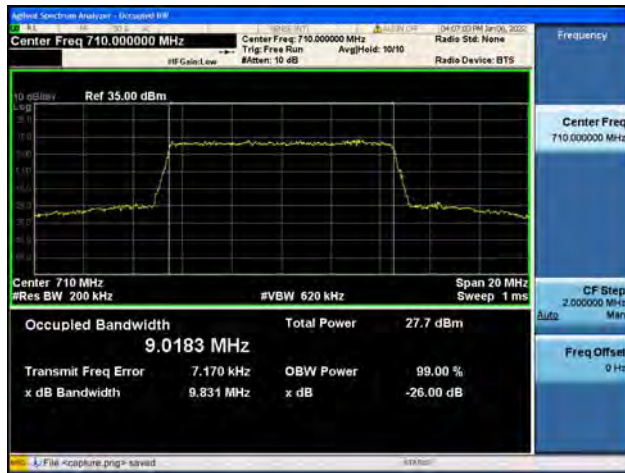


Band17 / 10MHz / Low CH / 64QAM

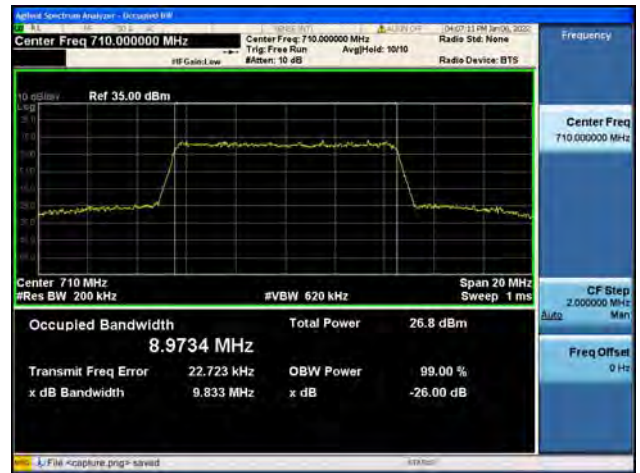




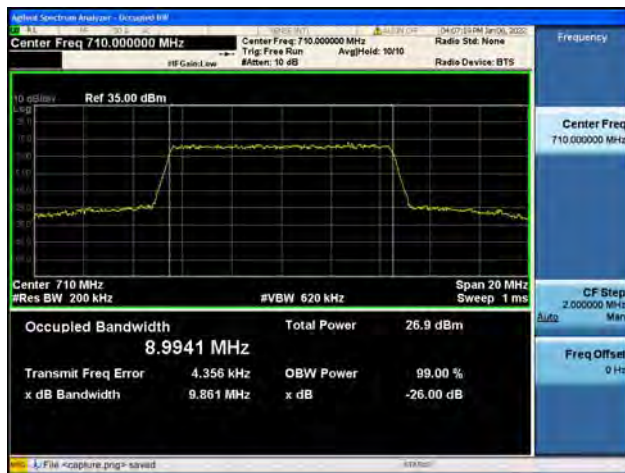
Band17 / 10MHz / Mid CH / QPSK



Band17 / 10MHz / Mid CH / 16QAM



Band17 / 10MHz / Mid CH / 64QAM



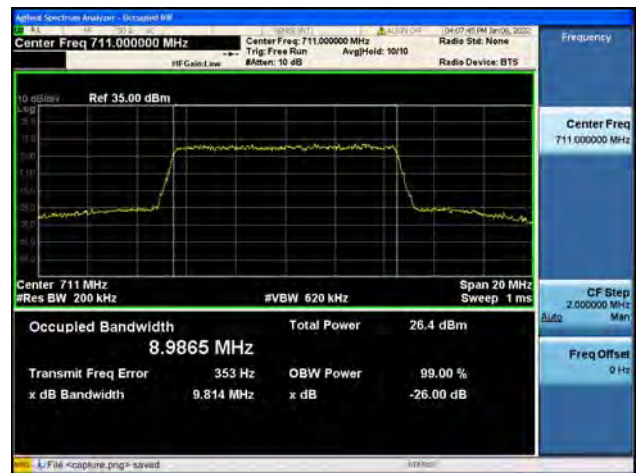
Band17 / 10MHz / High CH / QPSK



Band17 / 10MHz / High CH / 16QAM

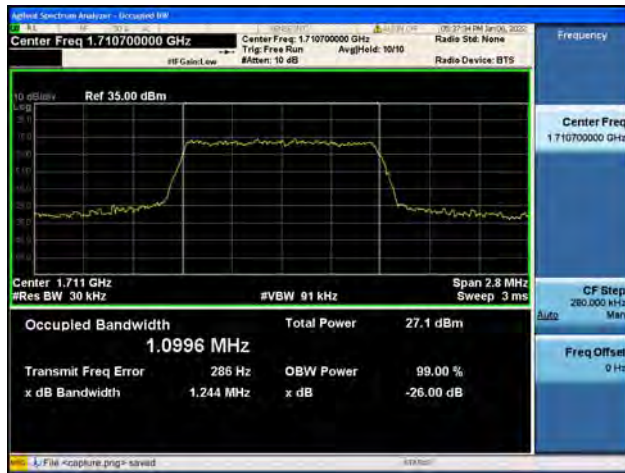


Band17 / 10MHz / High CH / 64QAM





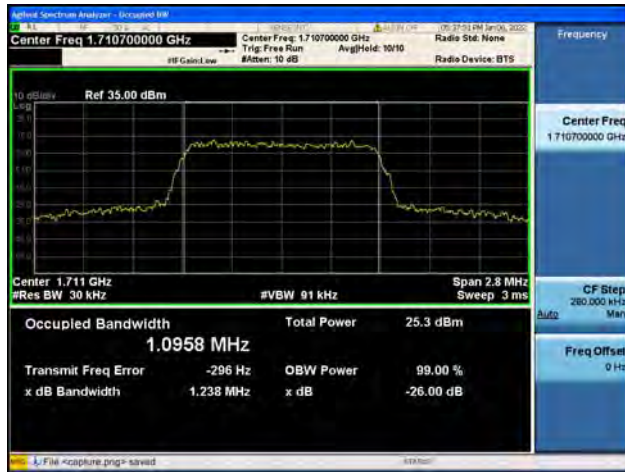
Band66 / 1.4MHz / Low CH / QPSK



Band66 / 1.4MHz / Low CH / 16QAM



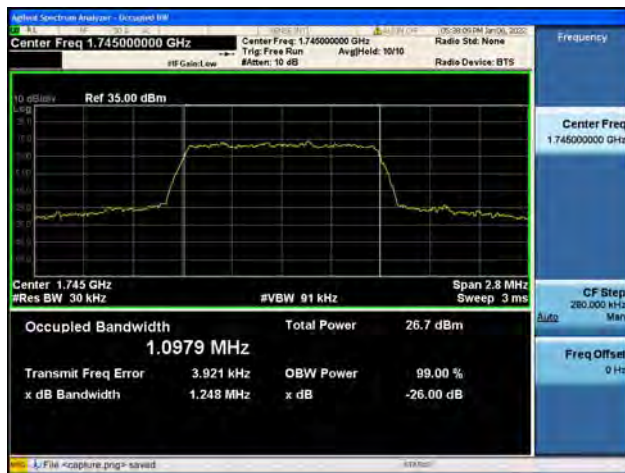
Band66 / 1.4MHz / Low CH / 64QAM



Band66 / 1.4MHz / Mid CH / QPSK



Band66 / 1.4MHz / Mid CH / 16QAM

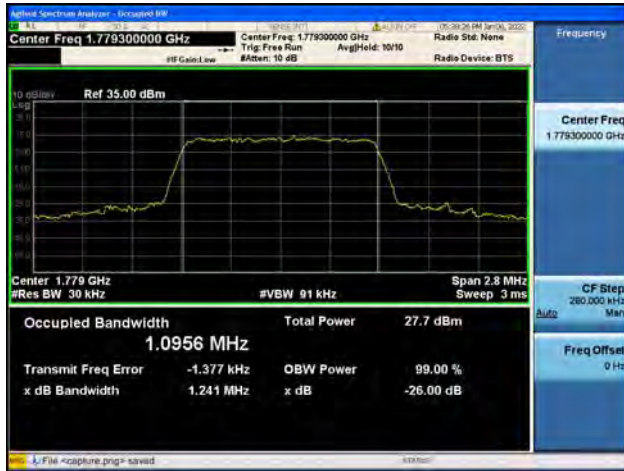


Band66 / 1.4MHz / Mid CH / 64QAM

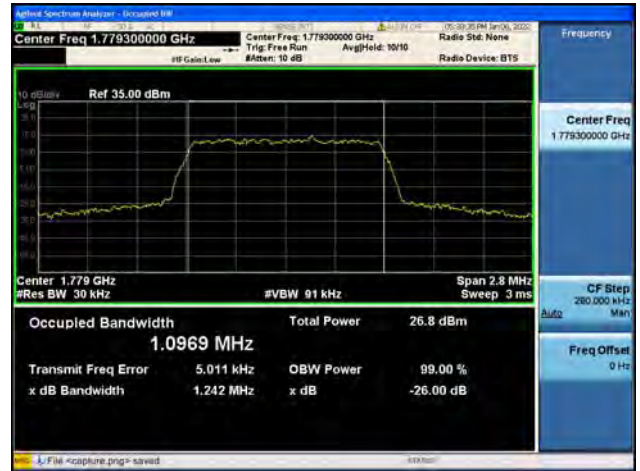




Band66 / 1.4MHz / High CH / QPSK



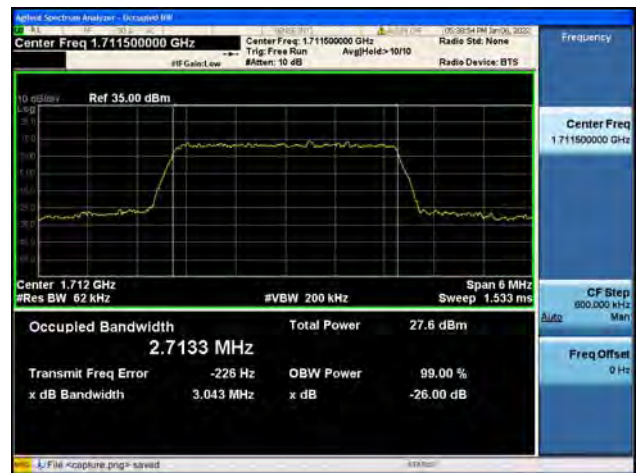
Band66 / 1.4MHz / High CH / 16QAM



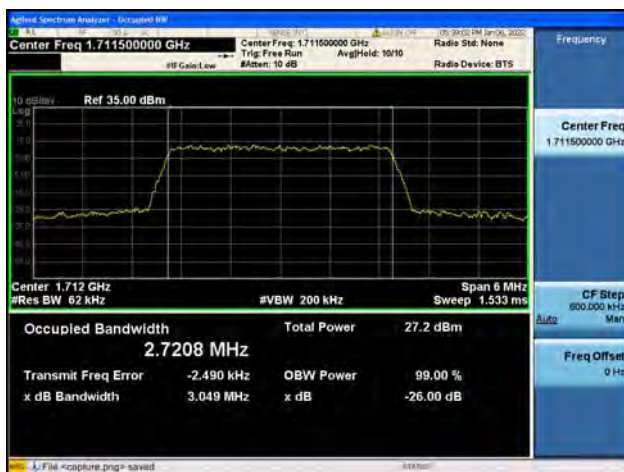
Band66 / 1.4MHz / High CH / 64QAM



Band66 / 3MHz / Low CH / QPSK



Band66 / 3MHz / Low CH / 16QAM

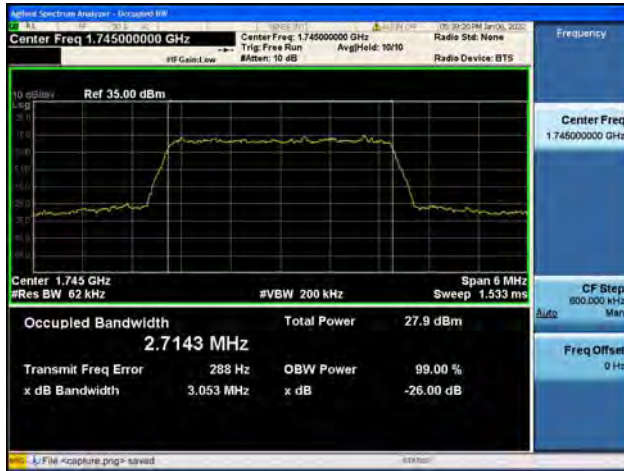


Band66 / 3MHz / Low CH / 64QAM

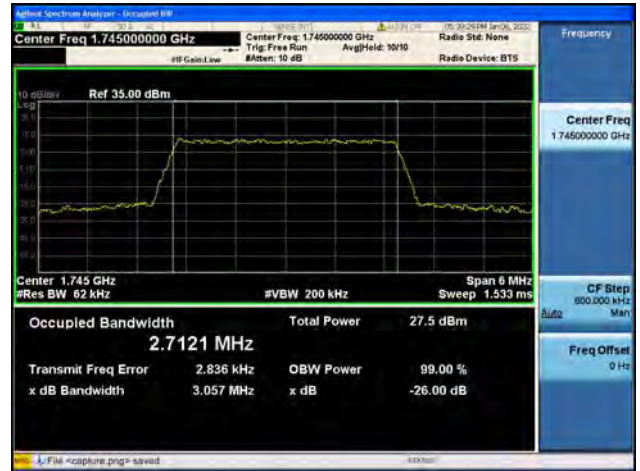




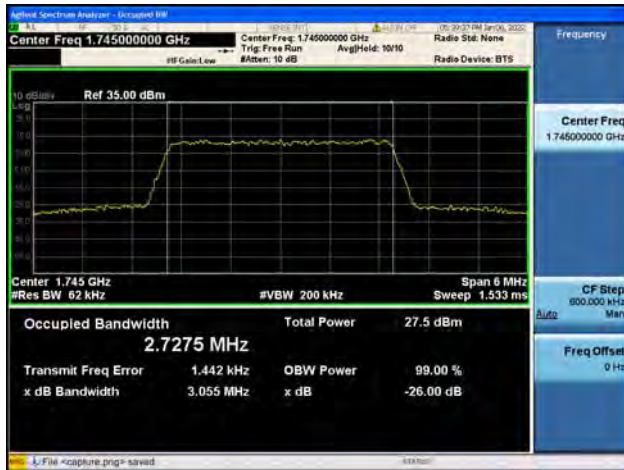
Band66 / 3MHz / Mid CH / QPSK



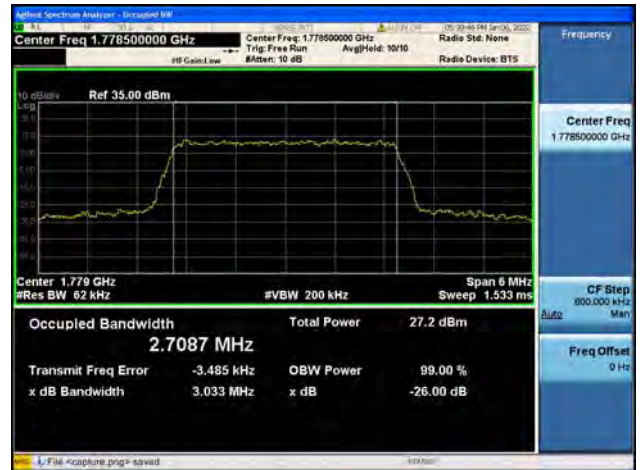
Band66 / 3MHz / Mid CH / 16QAM



Band66 / 3MHz / Mid CH / 64QAM



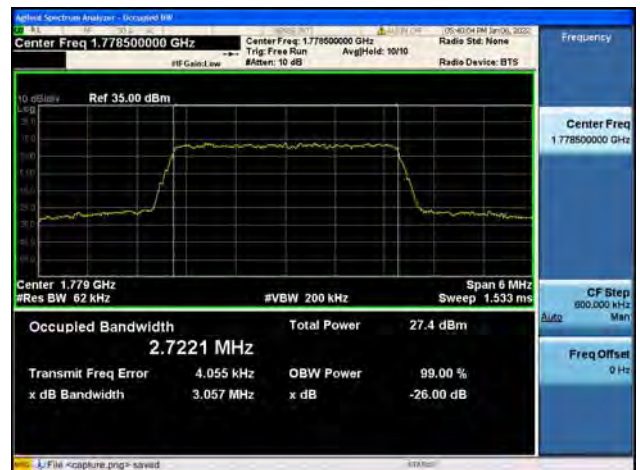
Band66 / 3MHz / High CH / QPSK



Band66 / 3MHz / High CH / 16QAM

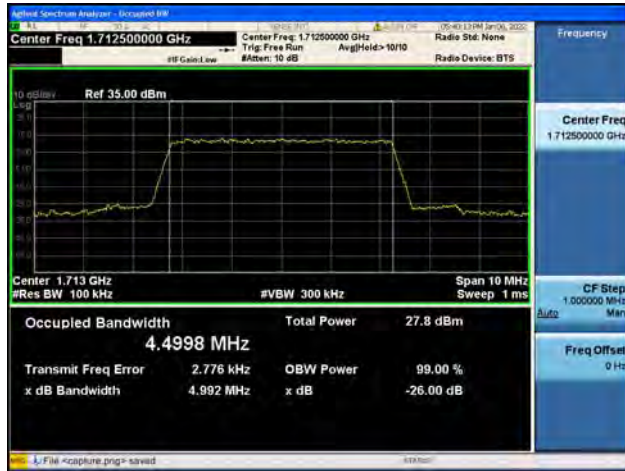


Band66 / 3MHz / High CH / 64QAM





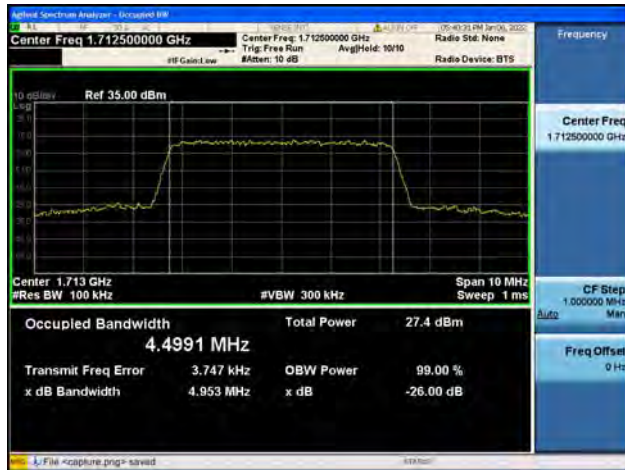
Band66 / 5MHz / Low CH / QPSK



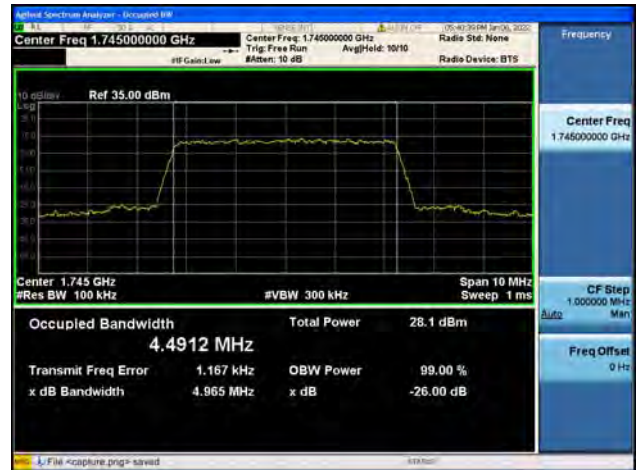
Band66 / 5MHz / Low CH / 16QAM



Band66 / 5MHz / Low CH / 64QAM



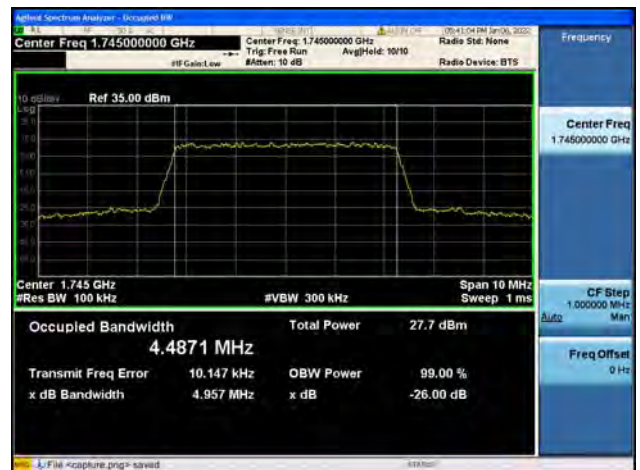
Band66 / 5MHz / Mid CH / QPSK



Band66 / 5MHz / Mid CH / 16QAM

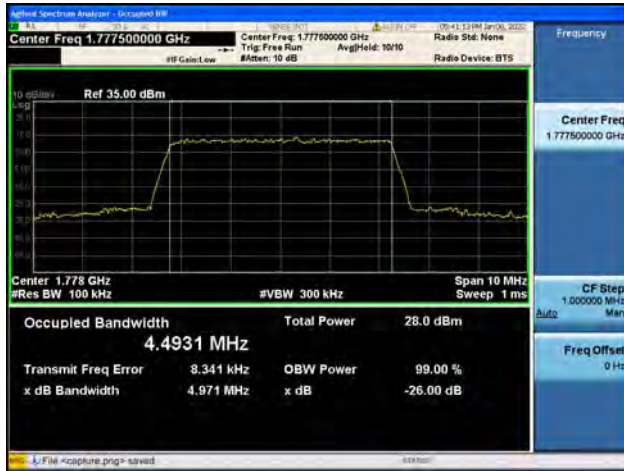


Band66 / 5MHz / Mid CH / 64QAM





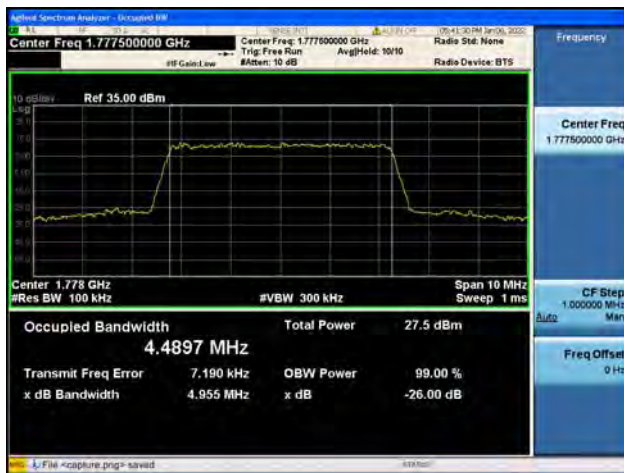
Band66 / 5MHz / High CH / QPSK



Band66 / 5MHz / High CH / 16QAM



Band66 / 5MHz / High CH / 64QAM



Band66 / 10MHz / Low CH / QPSK



Band66 / 10MHz / Low CH / 16QAM

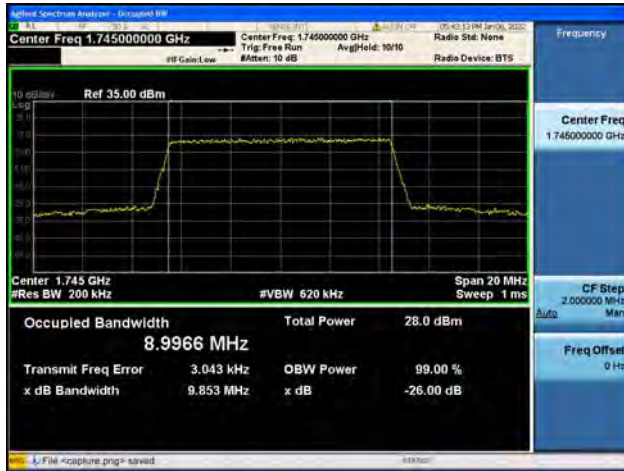


Band66 / 10MHz / Low CH / 64QAM





Band66 / 10MHz / Mid CH / QPSK



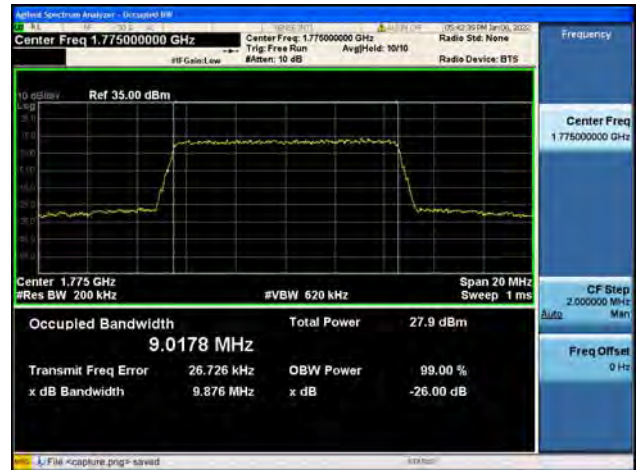
Band66 / 10MHz / Mid CH / 16QAM



Band66 / 10MHz / Mid CH / 64QAM



Band66 / 10MHz / High CH / QPSK



Band66 / 10MHz / High CH / 16QAM



Band66 / 10MHz / High CH / 64QAM

